

Ohlasy / Citations, reviews

Institute: SAVFYZIK - Fyzikálny ústav SAV

Date of citation, review: 2015~2020

Citations, reviews

Citations in Web of Science Core Collection (1.1, 2.1)	11585
Citations in SCOPUS (1.2, 2.2)	208
Citations in other citation indexes and databases (not listed above) (3.2, 4.2)	0
Other citations (not listed above) (3.1, 4.1)	74
Reviews (5, 6)	2

Count

11869

AAA Scientific monographs published abroad

AAA01 MARKOŠ, Peter - SOUKOULIS, Costas m. *Wave Propagation: From Electrons to Photonic Crystals and Left-Handed Materials*. C.M.Soukoulis. Princeton and Oxford : Princeton University Press, 2008. 352 s. ISBN 978-0-691-13003-3

Ohlasy:

1. [1.1] AGHAJAMALI, Alireza. Near-infrared tunable narrow filter in a periodic multi-nanolayer doped by a superconductor photonic quantum-well. In APPLIED OPTICS. ISSN 1559-128X, 2016, vol. 55, no. 34, pp. 9797-9802., Registrované v: WOS
2. [1.1] AGHAJAMALI, Alireza. Transmittance properties in a magnetized cold plasma-superconductor periodic multilayer. In APPLIED OPTICS. ISSN 1559-128X, 2016, vol. 55, no. 23, pp. 6336-6340., Registrované v: WOS
3. [1.1] ANTRAoui, Ilyas - KHETTABI, Ali. Study of the defect modes of a finite one-dimensional periodic structure of three different waveguides. In MATERIALS TODAY-PROCEEDINGS. ISSN 2214-7853, 2020, vol. 31, suppl. 1, pp. S61-S68., Registrované v: WOS
4. [1.1] BIANCHI, Nicholas J. - KAHN, Leonard M. Optical states in a 1D superlattice with multiple photonic crystal interfaces. In JOURNAL OF OPTICS. ISSN 2040-8978, 2020, vol. 22, no. 6, 065101., Registrované v: WOS
5. [1.1] BRIONES-TORRES, J. A. - PERNAS-SALOMON, R. - PEREZ-ALVAREZ, R. - RODRIGUEZ-VARGAS, I. Hybrid matrix method for stable numerical analysis of the propagation of Dirac electrons in gapless bilayer graphene superlattices. In SUPERLATTICES AND MICROSTRUCTURES. ISSN 0749-6036, 2016, vol. 93, no., pp. 186-201., Registrované v: WOS
6. [1.1] CORTES-LOPEZ, S. - GASTELUM-ACUNA, S. L. - FLORES-RUIZ, F. J. - GARCIA-VAZQUEZ, V. - GARCIA-LLAMAS, R. - PEREZ-RODRIGUEZ, F. Berreman effect in bimetallic nanolayered

- metamaterials. In OPTICAL MATERIALS. ISSN 0925-3467, 2020, vol. 99, 109578., Registrované v: WOS
7. [1.1] COUTANT, Antonin - AUREGAN, Yves - PAGNEUX, Vincent. Anomalous transmission through periodic resistive sheets. In JOURNAL OF THE ACOUSTICAL SOCIETY OF AMERICA. ISSN 0001-4966, 2020, vol. 147, no. 5, pp. 3124-3135., Registrované v: WOS
 8. [1.1] DIAZ-GUERRERO, D.S. et al. In FRACTALS-COMPLEX GEOMETRY PATTERNS AND SCALING IN NATURE AND SOCIETY, 2016, vol. 24, Iss. 2, 1630002., Registrované v: WOS
 9. [1.1] FAN, Kebin - SUEN, Jonathan - WU, Xueyuan - PADILLA, Willie J. Graphene metamaterial modulator for free-space thermal radiation. In OPTICS EXPRESS. ISSN 1094-4087, 2016, vol. 24, no. 22, pp. 25189-25201., Registrované v: WOS
 10. [1.1] FEI, Yue - LIU, You-Wen - DONG, Da-Xing - FAN, Yong-Qing - FU, Yang-Yang. Broadband unidirectional near-zero reflection induced by logical combination of parity-time symmetric photonic crystal. In OPTICS COMMUNICATIONS. ISSN 0030-4018, 2020, vol. 474, no., pp., Registrované v: WOS
 11. [1.1] FENJAN, Dhiya A. - YUSR, Hashem A. - YASSER, Hassan A. Power flux in five layers slab waveguide with metamaterials. In INTERNATIONAL LASER TECHNOLOGY AND OPTICS SYMPOSIUM 2019 (ILATOS2019). ISSN 1742-6588, 2020, vol. 1484, 012027., Registrované v: WOS
 12. [1.1] GALIFFI, Emanuele - WANG, Yao-Ting - LIM, Zhen - PENDRY, J. B. - ALU, Andrea - HUIDOBRO, Paloma A. Wood Anomalies and Surface-Wave Excitation with a Time Grating. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2020, vol. 125, no. 12, 127403., Registrované v: WOS
 13. [1.1] GARCIA-CERVANTES, H. - GAGGERO-SAGER, L. M. - SOTOLONO-COSTA, O. - NAUMIS, G. G. - RODRIGUEZ-VARGAS, I. Angle-dependent bandgap engineering in gated graphene superlattices. In AIP ADVANCES. ISSN 2158-3226, 2016, vol. 6, no. 3, 035309., Registrované v: WOS
 14. [1.1] GONCALVES, PAD - PERES, NMR. Introduction to Graphene Plasmonics. In INTRODUCTION TO GRAPHENE PLASMONICS, 2016, vol., no., pp. 1-431., Registrované v: WOS
 15. [1.1] GONZALEZ, Luz E. - ORDONEZ, John E. - MELO-LUNA, Carlos A. - MENDOZA, Evelyn - REYES, David - ZAMBRANO, Gustavo - PORRAS-MONTENEGRO, Nelson - GRANADA, Juan C. - GOMEZ, Maria E. - REINA, John H. Experimental realisation of tunable ferroelectric/superconductor (BTO/YBCO)/N/STO 1D photonic crystals in the whole visible spectrum. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2020, vol. 10, no. 1, 13083., Registrované v: WOS
 16. [1.1] GUZMAN, E. J. - MOLINA-VALDOVINOS, S. - OUBRAM, O. - RODRIGUEZ-VARGAS, I. Enhancement of the Seebeck coefficient and power factor in gated silicene superlattices induced by aperiodicity. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2020, vol. 128, no. 22, 224302., Registrované v: WOS
 17. [1.1] HUANG, Yunqing - LI, Jichun. Numerical analysis of a finite element method for the electromagnetic concentrator model. In ADVANCES IN

COMPUTATIONAL MATHEMATICS. ISSN 1019-7168, 2020, vol. 46, no. 6, 77., Registrované v: WOS

18. [1.1] CHANG, Tsung-Wen - CHIEN, Jia-Ren Chang - WU, Chien-Jang. Magnetic-field tunable multichannel filter in a plasma photonic crystal at microwave frequencies. In APPLIED OPTICS. ISSN 1559-128X, 2016, vol. 55, no. 4, pp. 943-946., Registrované v: WOS

19. [1.1] IAKUSHEV, Denis - LOPEZ-AGUAYO, Servando. Impact of the tilted magnetic field on the propagation of oblique waves in the plasma superlattice. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS. ISSN 0740-3224, 2020, vol. 37, no. 5, pp. 1320-1327., Registrované v: WOS

20. [1.1] IGNATCHENKO, V. A. - TSIKALOV, D. S. Green's functions of the scalar model of electromagnetic fields in sinusoidal superlattices. In PHYSICA B-CONDENSED MATTER. ISSN 0921-4526, 2016, vol. 485, no., pp. 94-102., Registrované v: WOS

21. [1.1] JAMSHIDI-GHALEH, Kazem - KAZEMPOUR, Behnam. Effect of incident angle and polarization on electrically-tunable defect mode in anisotropic photonic crystals. In APPLIED OPTICS. ISSN 1559-128X, 2016, vol. 55, no. 16, pp. 4350-4356., Registrované v: WOS

22. [1.1] JIN, Seokmin - LIM, Mikyung - LEE, Seung S. - LEE, Bong Jae. Hyperbolic metamaterial-based near-field thermophotovoltaic system for hundreds of nanometer vacuum gap. In OPTICS EXPRESS. ISSN 1094-4087, 2016, vol. 24, no. 6, pp. A635-A649., Registrované v: WOS

23. [1.1] KAINA, N. - FLEURY, R. Hermitian formulation of multiple scattering induced topological phases in metamaterial crystals. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 102, no. 13, 134303., Registrované v: WOS

24. [1.1] KONONCHUK, Rodion - KOTTOS, Tsampikos. Orientation-sensed optomechanical accelerometers based on exceptional points. In PHYSICAL REVIEW RESEARCH, 2020, vol. 2, no. 2, 023252., Registrované v: WOS

25. [1.1] KROKHIN, A. A. - ARRIAGA, J. - GUMEN, L. N. - DRACHEV, V. P. High-frequency homogenization for layered hyperbolic metamaterials. In PHYSICAL REVIEW B. ISSN 2469-9950, 2016, vol. 93, no. 7, 075418., Registrované v: WOS

26. [1.1] LI, Huanan - KOTTOS, Tsampikos - SHAPIRO, Boris. Half-period Aharonov-Bohm oscillations in disordered rotating optical ring cavities. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 94, no. 3, 031801., Registrované v: WOS

27. [1.1] MAKRI, Eleana - SMITH, Kyle - CHABANOV, Andrey - VITEBSKIY, Ilya - KOTTOS, Tsampikos. Hypersensitive Transport in Photonic Crystals with Accidental Spatial Degeneracies. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2016, vol. 6, 22169., Registrované v: WOS

28. [1.1] MALING, B. - CRASTER, R. V. Asymptotic analysis of a Bragg fibre: a multiple scales approach. In IMA JOURNAL OF APPLIED MATHEMATICS. ISSN 0272-4960, 2016, vol. 81, no. 6, pp. 1191-1208., Registrované v: WOS

29. [1.1] MANSOUR, Daoud - SENOUCI, Khaled. Defect-mode-like transmission induced by weak nonlinearity in one-dimensional perfect photonic crystals. In PHYSICAL REVIEW A. ISSN 2469-9926, 2020, vol. 101, no. 4,

043830., Registrované v: WOS

30. [1.1] MAZANOV, M. - APOSTOLOV, S. S. - MAIZELIS, Z. A. - MAKAROV, N. M. - SHMAT'KO, A. A. - YAMPOL'SKII, V. A. Resonant absorption of terahertz waves in layered superconductors: Wood's anomalies and anomalous dispersion. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 101, no. 2, 024504., Registrované v: WOS

31. [1.1] MIRZA, Imran M. - HOSKINS, Jeremy G. - SCHOTLAND, John C. Dimer chains in waveguide quantum electrodynamics. In OPTICS COMMUNICATIONS. ISSN 0030-4018, 2020, vol. 463, 125427., Registrované v: WOS

32. [1.1] MOLINA-VALDOVINOS, S. - GUZMAN, E. J. - RODRIGUEZ-VARGAS, I. Low-dimensional thermoelectricity in aperiodic gated graphene superlattices. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2020, vol. 127, no. 15., Registrované v: WOS

33. [1.1] MORADI, Afshin. Electrostatic Wave Propagation in 1-D Magnetized Plasma Periodic Structures. In IEEE TRANSACTIONS ON PLASMA SCIENCE. ISSN 0093-3813, 2020, vol. 48, no. 11, pp. 3776-3780., Registrované v: WOS

34. [1.1] MORENO-RODRIGUEZ, L. A. - IZRAILEV, F. M. - MENDEZ-BERMUDEZ, J. A. PT-symmetric tight-binding model with asymmetric couplings. In PHYSICS LETTERS A. ISSN 0375-9601, 2020, vol. 384, no. 21, 126495., Registrované v: WOS

35. [1.1] NAYAK, Chittaranjan - BEZERRA, Claudionor G. - COSTA, Carlos H. Photonic transmission spectra in graphene-based Gaussian random multilayers. In OPTICAL MATERIALS. ISSN 0925-3467, 2020, vol. 104, 109838., Registrované v: WOS

36. [1.1] NELIN, E. A. - LIASHOK, A. Criteria of crystal-like structures approaching by impedance delta-inhomogeneities lattices. In VISNYK NTUU KPI SERIIA-RADIOTEKHNIKA RADIOAPARATOBUDUVANNIA. ISSN 2310-0389, 2016, vol., no. 67, pp. 58-64., Registrované v: WOS

37. [1.1] RAKHEJA, Shaloo - SENGUPTA, Parijat. The tuning of light-matter coupling and dichroism in graphene for enhanced absorption: Implications for graphene-based optical absorption devices. In JOURNAL OF PHYSICS D-APPLIED PHYSICS. ISSN 0022-3727, 2016, vol. 49, no. 11, 115106., Registrované v: WOS

38. [1.1] RODRIGUEZ-GONZALEZ, Rogelio - RODRIGUEZ-VARGAS, Isaac - SIDNEY DIAZ-GUERRERO, Dan - MANUEL GAGGERO-SAGER, Luis. Self-similar transmission properties of aperiodic Cantor potentials in gapped graphene. In EUROPEAN PHYSICAL JOURNAL B. ISSN 1434-6028, 2016, vol. 89, no. 1, 17., Registrované v: WOS

39. [1.1] RODRIGUEZ-GONZALEZ, R. - GAGGERO-SAGER, L. M. - RODRIGUEZ-VARGAS, I. Self-similar transport, spin polarization and thermoelectricity in complex silicene structures. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2020, vol. 10, no. 1, 14679., Registrované v: WOS

40. [1.1] SADREEV, Almas F. - SHERMAN, E. Ya. Temporal oscillations of light transmission through dielectric microparticles subjected to optically induced motion. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 94, no. 3, 033820., Registrované v: WOS

41. [1.1] TAPAR, Jinal - KISHEN, Saurabh - EMANI, Naresh Kumar. Spectral singularities and asymmetric light scattering in PT-symmetric 2D

- nanoantenna arrays. In OPTICS LETTERS. ISSN 0146-9592, 2020, vol. 45, no. 18, pp. 5185-5188., Registrované v: WOS
42. [1.1] TUNIZ, Alessandro - PALOMBA, Stefano - DE STERKE, C. Martijn. Pulse length dependent near-infrared ultrafast nonlinearity of gold by self-phase modulation. In APPLIED PHYSICS LETTERS. ISSN 0003-6951, 2020, vol. 117, no. 7, 071105., Registrované v: WOS
43. [1.1] TZORTZAKAKIS, A. F. - MAKRIS, K. G. - ECONOMOU, E. N. Non-Hermitian disorder in two-dimensional optical lattices. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 101, no. 1, 014202., Registrované v: WOS
44. [1.1] YANG, Wei - HUANG, Yunqing - LI, Jichun. Developing a Time-Domain Finite Element Method for the Lorentz Metamaterial Model and Applications. In JOURNAL OF SCIENTIFIC COMPUTING. ISSN 0885-7474, 2016, vol. 68, no. 2, pp. 438-463., Registrované v: WOS
45. [1.1] YANG, Wei - LI, Jichun - HUANG, Yunqing. Modeling and analysis of the optical black hole in metamaterials by the finite element time-domain method. In COMPUTER METHODS IN APPLIED MECHANICS AND ENGINEERING. ISSN 0045-7825, 2016, vol. 304, no., pp. 501-520., Registrované v: WOS
46. [1.1] ZHANG, Yan - ZHU, Wen-Huan - DING, Guo-Hui. Tunneling modes induced by interface states in 1D photonic crystals with single negative materials. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2020, vol. 127, no. 21., Registrované v: WOS
47. [1.1] ZHU, Haodong - YANG, Xiangbo - LIN, Zebiao - LIU, Xianhong - YANG, Xinyu. The influence of PT-symmetric degree on extraordinary optical properties of one-dimensional periodic optical waveguide networks. In OPTICS COMMUNICATIONS. ISSN 0030-4018, 2020, vol. 459, 124945., Registrované v: WOS

AAB Scientific monographs published in Slovak publishing houses

- AAB01 BUŽEK, Vladimír - HILLERY, M. Universal optimal cloning of qubits and quantum registers. In *Quantum Computing and Quantum Communications : Proceedings on the First NASA International Conference on QCQC' 98, Februar 17-20, 1998, Palm Springs, California, USA.* - Berlin : Springer Verlag, 1999, vol. 1509, p. 235-246. ISBN 3-54065514-X.
- Ohlasy:
1. [1.1] KANG, Peng - ZHANG, Ming. How to Make Full Use of a Priori Knowledge of Quantum Information Processing. In PROCEEDINGS OF THE 2016 12TH WORLD CONGRESS ON INTELLIGENT CONTROL AND AUTOMATION (WCICA), 2016, pp. 3016-3020., Registrované v: WOS
2. [1.1] SHUKLA, Manish Kumar - CHAKRABARTY, Indranil - CHATTERJEE, Sourav. Broadcasting of entanglement via orthogonal and non-orthogonal state-dependent cloners. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2020, vol. 19, no. 1, 15., Registrované v: WOS
- AAB02 ŠIKULA, Milan - STANĚK, Peter - KREJČÍ, Oskar - BERČÍK, Peter - BÁRÁNY, Eduard - NIKODÝM, Dušan - PEKNÍK, Miroslav - BAXA, Josef - BENŽA, Mojmir - BLAHA, Ľuboš - GAJDOŠÍKOVÁ, Ľudmila - HRONSKÝ, Marián - JAŠŠOVÁ, Eva - KMEŤ, Norbert - LAPŠANSKÝ, Lukáš - MAGUROVÁ, Zuzana - MARUŠIAK, Juraj - POLÁČKOVÁ, Zuzana - ŠMIHULA,

Daniel - VOZÁR, Jozef - OKÁLI, Ivan - DOMONKOS, Tomáš - FRANK, Karol - GABRIELOVÁ, Herta - IŠA, Jan - LÁBAJ, Martin - MORVAY, Karol - PÁLENÍK, Viliam - PÁNIKOVÁ, Lucia - RENČKO, Juraj - ŠIKULOVÁ, Ivana - VOKOUN, Jaroslav - KLAS, Antonín - BALÁŽ, Vladimír - MAJKOVÁ, Eva - JURÍČKOVÁ, Vilma - KOŠTA, Ján - TIRPÁK, Ivan - URBÁNEK, Ján - BUČEK, Milan ... [et al.]. *Stratégia rozvoja slovenskej spoločnosti* [The Strategy of Development of Slovak Society]. Bratislava : Ekonomický ústav SAV vo vydavateľstve VEDA, 2010. 695 s. Projekt Vízia a stratégia rozvoja slovenskej spoločnosti schválený vládou SR u. č. 906 z 25. októbra 2006. ISBN 978-80-7144-179-3

Ohlasy:

1. [1.1] KONOPIKA, Jozef - KASTIER, Peter - KONOPIKA, Bohdan. Theoretical bases and practical measures to harmonise the interests of forestry and game management in Slovakia. In CENTRAL EUROPEAN FORESTRY JOURNAL. ISSN 2454-034X, 2015, vol. 61, no. 2, pp. 114-123., Registrované v: WOS
2. [1.1] MAZUROVA, Barbora - KOLLAR, Jan. UNPRODUCTIVE GOVERNMENT EXPENDITURE IN CONTEXT OF FISCAL POLICY. In SGEM 2016, BK 2: POLITICAL SCIENCES, LAW, FINANCE, ECONOMICS AND TOURISM CONFERENCE PROCEEDINGS, VOL I. ISSN 2367-5659, 2016, pp. 761-772., Registrované v: WOS
3. [1.1] TOMCIKOVA, M. - BEDNAROVA, L. - NASCAKOVA, J. The knowledge society and offer of qualified workers. In 2015 13TH INTERNATIONAL CONFERENCE ON EMERGING ELEARNING TECHNOLOGIES AND APPLICATIONS (ICETA), 2015, vol., no., pp. 375-380., Registrované v: WOS
4. [1.1] VAMOSOVA, Monika. Micro Regions as Product of Intermunicipal Cooperation in Czech Republic and Slovakia. In PROCEEDINGS OF THE 22ND INTERNATIONAL CONFERENCE CURRENT TRENDS IN PUBLIC SECTOR RESEARCH. ISSN 2336-1239, 2018, pp. 384-391., Registrované v: WOS
5. [2.1] ANDROVICOVA, Jarmila. Securitization of Migrants in Slovakia Discourse Analysis. In SOCIOLOGIA. ISSN 0049-1225, 2015, vol. 47, no. 4, pp. 319-339., Registrované v: WOS
6. [3.1] KLIMENTOVÁ FOBELOVÁ, Monika. Attributes and trends of ethical policy in business environment in Slovakia. In Business Ethics and Sustainable Development: Interdisciplinary theoretical and empirical studies: New and old aspects of sustainable development and business ethics, 2018, no. 2, pp. 65-74. ISSN 2451-456X. ISBN 978-83-61975-78-6.
7. [4.1] BELKOVICSOVÁ, Dáša - BUKOVÁ, Sylvia - STARÍČKOVÁ, Zuzana. Aktuálne ekonomicko-finančné problémy domácností SR v súčasnej globalizovanej ekonomike. Bratislava: Vydavateľstvo EKONÓM. 2020. 186 s. ISBN 978-80-225-4755-0.
8. [4.1] KAČÍRKOVÁ, Mária. Základné východiská, trendy a stratégia výskumu a vývoja v Slovenskej republike. In Anton Lisník, Katarína Greňová (eds) Posolstvo Jána Pavla II. 2016 : zborník z medzinárodnej vedeckej konferencie. Ružomberok : VERBUM, 2016. S. 1109-1116. ISBN 978-80-561-0369-2.
9. [4.1] KOŠTA, Ján. Možnosti udržateľnosti financovania dôchodkového systému a nerovností v dôchodkoch v prijateľných medziach v

podmienkach demografických zmien v Slovenskej republike. In Paradigmy zmien v 21. storočí : externé a interné determinanty polarizácie spoločnosti. - Bratislava : Ekonomický ústav SAV, 2017, s. 115-125. ISBN 978-80-7144-281-3. Dostupné na internete: <http://www.ekonom.sav.sk/uploads/journals/371_pauhofova_ed_zbornik_2017.pdf>.

10. [4.1] KOVÁČIK, Vladimír. IMPLEMENTÁCIA OPERAČNÉHO PROGRAMU VÝSKUM A VÝVOJ V KONTEXTE PODPORY A ROZVOJA VÝSKUMNEJ INFRAŠTRUKTÚRY V SLOVENSKEJ REPUBLIKE. In Almanach: Aktuálne Otázky Svetovej Ekonomiky a Politiky, 2019, vol. 14, iss. 1, p. 23-33. Dostupné na: https://fmv.euba.sk/www_write/files/dokumenty/veda-vyskum/almanach/almanach_1_2019.pdf

11. [4.1] KRNO, S. - SLOBODNÍKOVÁ, M. Politické strany a hnutia na Slovensku. In PEKNÍK, Miroslav et al. Pohľady na slovenskú politiku po roku 1989 : II. časť. - Bratislava : Veda, 2016, s. 66-112. ISBN 978-80-224-1516-3.

ABC Chapters in scientific monographs published abroad

ABC01 DEL DEBBIO, L. - FABER, M. - OLEJNÍK, Štefan. Center dominance, center vortices and confinement. In *New Developments in Quantum Field Theory*. - N.York/ London : Plenum Press, 1998, p. 47-64.

Ohlasy:

1. [1.1] ALTARAWNEH, D. Confining bond rearrangement in the random center vortex model. In PHYSICAL REVIEW D, 2016, vol. 93, 054007., Registrované v: WOS

2. [1.1] ALTARAWNEH, D. Model of random center vortex lines. In PHYSICAL REVIEW D, 2016, vol. 94, 114506., Registrované v: WOS

3. [1.1] DELDAR, S. - NEJAD, S. M. Hosseini. Center vortices as composites of monopole fluxes. In AIP CONFERENCE PROCEEDINGS, 2016, vol. 1701, p. 100004., Registrované v: WOS

4. [1.1] HOLLWIESER, R.- ALTARAWNEH, D. Center vortices, area law and the catenary solution. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A, 2015, vol. 30, 1550207., Registrované v: WOS

5. [1.1] HOLLWIESER, R.- ENGELHARDT, M. Approaching SU(2) gauge dynamics . In PHYSICAL REVIEW D, 2015, vol. 92, 034502., Registrované v: WOS

6. [1.1] KONDO, Kei-Ichi et al. Quark confinement: Dual superconductor picture. In PHYSICS REPORTS, 2015, vol. 579, p. 1-226., Registrované v: WOS

7. [1.1] NEJAD, Seyed Mohsen Hosseini - DELDAR, Sedigheh. Monopole-center vortex chains in SU(2) gauge theory. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS. ISSN 2050-3911, 2016, no. 12, 123B03., Registrované v: WOS

ABC02 JERGEL, Matej - MAJKOVÁ, Eva - BOREL, Ch. - MORAWE, Ch. - MATĚKO, Igor. Multilayers with Ultra-short Periods. In *Modern Developments in X-Ray and Neutron Optics*. - Berlin : Springer Verlag, 2008. S. 389-406. ISBN 978-3-540-74560-0. Dostupné na: https://doi.org/10.1007/978-3-540-74561-7_24

Ohlasy:

1. [1.1] GARAKHIN, S. A. - CHKHALO, N. I. - KAS'KOV, I. A. -

LOPATIN, A. Ya. - MALYSHEV, I. V. - NECHAY, A. N. - PESTOV, A. E. - POLKOVNIKOV, V. N. - SALASHCHENKO, N. N. - SVECHNIKOV, M. V. - TSYBIN, N. N. - ZABRODIN, I. G. - ZUEV, S. Yu. High-resolution laboratory reflectometer for the study of x-ray optical elements in the soft and extreme ultraviolet wavelength ranges. In REVIEW OF SCIENTIFIC INSTRUMENTS. ISSN 0034-6748, 2020, vol. 91, no. 6, 063103., Registrované v: WOS

2. [1.1] JIANG, Hui - WANG, Hua - ZHU, Jingtao - XUE, Chaofan - ZHANG, Jiayi - TIAN, Naxi - LI, Aiguo. Thickness-dependent structural characteristics for a sputtering-deposited chromium monolayer and Cr/C and Cr/Sc multilayers. In JOURNAL OF SYNCHROTRON RADIATION. ISSN 1600-5775, 2018, vol. 25, pp. 785-792., Registrované v: WOS

ABC03 KONOPKA, Martin - TURANSKY, Robert - DOLTSINIS, Nikos L. - MARX, Dominik - ŠTICH, Ivan. Azobenzene–Metal Junction as a Mechanically and Opto–Mechanically Driven Switch. In *High Performance Computing in Science and Engineering 2008. Transactions of the High Performance Computing Center Stuttgart (HLRS)*. - Berlin : Springer Verlag, 2008. S. 95-108. ISBN 978-3-540-88301-2. Dostupné na: <https://doi.org/10.1007/978-3-540-88303-6-8>

Ohlasy:

1. [1.1] BOLNYKH, Viacheslav - OLSEN, Jogvan Magnus Haugaard - MELONI, Simone - BIRCHER, Martin P. - IPPOLITI, Emiliano - CARLONI, Paolo - ROTH LISBERGER, Ursula. Extreme Scalability of DFT-Based QM/MM MD Simulations Using MiMiC. In JOURNAL OF CHEMICAL THEORY AND COMPUTATION. ISSN 1549-9618, 2019, vol. 15, no. 10, pp. 5601-5613., Registrované v: WOS

2. [1.1] KRUSE, Holger - SPONER, Jiri. Towards biochemically relevant QM computations on nucleic acids: controlled electronic structure geometry optimization of nucleic acid structural motifs using penalty restraint functions. In PHYSICAL CHEMISTRY CHEMICAL PHYSICS. ISSN 1463-9076, 2015, vol. 17, no. 2, pp. 1399-1410., Registrované v: WOS

ABC04 LÁNYI, Štefan. Application of scanning capacitance microscopy to analysis at the nanoscale. In *Applied Scanning Probe Methods VIII. Scanning Probe Microscopy Techniques*. - Berlin : Springer-Verlag, 2008. S. 377-420. ISBN 978-3-540-74080-3.

Ohlasy:

1. [1.1] GAINUTDINOV, R. V. - BELUGINA, N. V. - LASHKOVA, A. K. - SHUT, V. N. - KASHEVICH, I. F. - MOZZHAROV, S. E. - TOLSTIKHINA, A. L. Scanning capacitance microscopy of TGS plus Cr ferroelectric crystals. In FERROELECTRICS. ISSN 0015-0193, 2019, vol. 541, no. 1, pp. 39-46., Registrované v: WOS

2. [1.1] GAINUTDINOV, R. - TOLSTIKHINA, A. L. - LASHKOVA, A. K. - BELUGINA, N. - SHUT, V. N. - MOZZHAROV, S. E. - KASHEVICH, I. F. Application of Scanning Capacitance Force Microscopy for Detecting Impurity Phases in Ferroelectric Triglycine Sulfate. In TECHNICAL PHYSICS. ISSN 1063-7842, 2019, vol. 64, no. 11, pp. 1602-1608., Registrované v: WOS

ABC05 LUBY, Štefan - LUBYOVÁ, Martina - ŠIFFALOVIČ, Peter - JERGEL, Matej - MAJKOVÁ, Eva. A Brief History of Nanoscience and Foresight in Nanotechnology : Chapter 4. In *Nanomaterials and Nanoarchitectures : A Complex*

Review of Current Hot Topics and their Applications proceedings of the NATO Advanced Study Institute on Nanomaterials and Nanoarchitectures : Proceedings of the NATO Advanced Study Institute on Nanomaterials and Nanoarchitectures. - Dordrecht : Springer, 2015, p. 63-86. ISBN 978-94-017-9937-9. VEGA 2/0162/12, 2/0010/15, Center of Excellence of SAS "CESTA", contract III/2/2011. Dostupné na: https://doi.org/10.1007/978-94-017-9921-8_4

Ohlasy:

1. [1.1] GAUTAM, Ajay Kumar, AVASTHI, Shubhi. Myconanoparticles as Potential Pest Control Agents. In *Nanotechnology in the Life Sciences*, ISSN 25238027, 2020, pp. 189-226., Registrované v: WOS
2. [1.1] GONG, Jixian, LIU, Jiayin, TAN, Xueqiang, LI, Zheng, LI, Qiu Jin, ZHANG, Jianfei. Bio-Preparation and Regulation of Pyrrole Structure Nano-Pigment Based on Biomimetic Membrane. In *NANOMATERIALS*, 2019, vol. 9, no. 1, pp., Registrované v: WOS

ABC06 ŠIFFALOVÍČ, Peter - VÉGSO, Karol - HODAS, Martin - JERGEL, Matej - HALAHOVETS, Yuriy - PELLETTA, Marco - KORYTÁR, Dušan - ZÁPRAŽNÝ, Zdenko - MAJKOVÁ, Eva. In situ x-ray reciprocal space mapping for characterization of nanomaterials. In *X-ray and neutron techniques for nanomaterials characterization. - Berlin : Springer, 2016, p. 507-544. ISBN 978-3-662-48604-7. Dostupné na: https://doi.org/10.1007/978-3-662-48606-1_9*

Ohlasy:

1. [1.1] NSABIMANA, A. - XU, G.B. Design of Metal-free Nanocatalysts. In *NANOPARTICLE DESIGN AND CHARACTERIZATION FOR CATALYTIC APPLICATIONS IN SUSTAINABLE CHEMISTRY. ISSN 1757-6725, 2019, vol. 38, p. 163-183., Registrované v: WOS*

ABC07 ŠVEC, Peter - KRIŠTIAKOVÁ, Katarína - DEANKO, Martin. Cluster structure of the amorphous state and (nano)crystallization of rapidly quenched iron and cobalt based systems. In *Nanostructures: Synthesis, Functional Properties and Applications. Proc. of the NATO Advanced Study Inst. on Synthesis, Functional Properties and Appl. Nanostructures, Crete, Greece, 29 June - 9 July 2001. - Dordrecht : Kluwer Academic Publ., 2003, p. 271-294. ISBN 1-4020-1752-9.*

Ohlasy:

1. [1.1] SARAC, Baran - IVANOV, Yurii P. - CHUVILIN, Andrey - SCHOEBERL, Thomas - STOICA, Mihai - ZHANG, Zaoli - ECKERT, Juergen. Origin of large plasticity and multiscale effects in iron-based metallic glasses. In *NATURE COMMUNICATIONS. ISSN 2041-1723, 2018, vol. 9, 1333., Registrované v: WOS*

ABC08 TRNOVCOVÁ, Viera - HANIC, František - ŠRÁMKOVÁ, Táňa - ŠKUBLA, A. Martensitic alpha -gamma phase transition and ionic conductivity in "pure" and doped LiO(3) single crystals. In *Cross-Disciplinary Applied Research in Materials Science and Technology : Proceedings of the 1st Meeting on Applied Physics. - Trans Tech Publications, 2005, p. 405-410. ISBN 0-87849-962-8.*

Ohlasy:

1. [1.1] KIM, B.G. - KIM, J.S. - MIN, J. - LEE, Y.H. - CHOI, J.H. - JANG, M.C. - FREUNBERGER, S.A. - CHOI, J.W. A Moisture-and Oxygen-Impermeable Separator for Aprotic Li-O₂ Batteries. In *ADVANCED*

ADC ADC

- ADC01 BOUDA, J. - BUŽEK, Vladimír. Purification and correlated measurements of bipartite mixed states. In *Physical Review A*, 2002, vol. 65, no. 3, p. 034304. ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.65.034304>
Ohlasy:
1. [1.1] DILORETO, C. S. - RANGAN, C. Polarization control of spontaneous emission for rapid quantum-state initialization. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2017, vol. 95, no. 4, 043834., Registrované v: WOS
2. [1.1] UDAYAKUMAR, Pavithra - KUMAR-ESLAMI, Preethika. Kraus operator formalism for quantum multiplexer operations for arbitrary two-qubit mixed states. In *QUANTUM INFORMATION PROCESSING*. ISSN 1570-0755, 2019, vol. 18, no. 12, 361., Registrované v: WOS
- ADC02 FABER, Manfred - GREENSITE, Jeff - OLEJNÍK, Štefan. Center dominance recovered: Direct Laplacian center gauge. In *Nuclear Physics B - Proceedings Supplements*, 2002, vol. 106, p. 652-654. ISSN 0920-5632.
Ohlasy:
1. [1.1] OXMAN, L. E. 4D ensembles of percolating center vortices and monopole defects: The emergence of flux tubes with N-ality and gluon confinement. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2018, vol. 98, no. 3, 036018., Registrované v: WOS
- ADC03 GREENSITE, Jeff - OLEJNÍK, Štefan - ZWANZIGER, Daniel. Confinement and center vortices in Coulomb gauge: analytic and numerical results. In *Nuclear Physics B (Proc. Suppl.)*, 2005, vol. 141, p. 170-176. Dostupné na: <https://doi.org/10.1016/j.nuclphysbps.2004.12.026>
Ohlasy:
1. [1.1] FIORENTINI, D. - JUNIOR, D. R. - OXMAN, L. E. - SOBREIRO, R. F. Renormalizability of the center-vortex free sector of Yang-Mills theory. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2020, vol. 101, no. 8, 085007., Registrované v: WOS
- ADC04 HANIC, František - HARTMANOVÁ, Mária - KUNDRACIK, F. - LOMONOVA, E.E. Stabilization and properties of high temperature forms of zirconia. In *Solid State Phenomena*, 2003, vol. 90-91, p. 303-308.
Ohlasy:
1. [1.1] BRAUN, Reinhold - SCHULZ, Uwe - PORTEBOIS, Leo - MATHIEU, Stephan - VILASI, Michel - DRAWIN, Stefan. Environmental protection of Nb/Nb5Si3-based alloys by E/TBC systems. In *INTERMETALLICS*. ISSN 0966-9795, 2018, vol. 93, pp. 169-179., Registrované v: WOS
2. [1.1] SAVIN, Adriana - CRAUS, Mihail Liviu - TURCHENKO, Vitaly - NOVY, Frantisek - MOCANU, Aura C. - SOARE, Marian - GNUN, Jancz - DOROSHKEVICH, Oleksandr Sergiyovich. Complementary Methods for Evaluation of Yttria Stabilized Zirconia Coatings used as Thermal Barrier Coating. In *STROJNISKI VESTNIK-JOURNAL OF MECHANICAL*

- ADC05 HILLERY, Mark - ZIMAN, Mário - BUŽEK, Vladimír. Improving the performance of probabilistic programmable quantum processors. In *Physical Review A*, 2004, vol. 69, no. 4, p. 042311.

Ohlasy:

1. [1.1] TUKIAINEN, Mikko - LYYRA, Henri - SARBICKI, Gniewomir - MANISCALCO, Sabrina. Fidelity of dynamical maps. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2017, vol. 95, no. 5, 052102.,
Registrované v: WOS

- ADC06 IVANČO, Ján - KOBAYASHI, H. - ALMEIDA, J. - MARGARITONDO, G. - PINČÍK, Emil. Reactivity of Au with ultrathin Si layers: A photoemission study. In *Journal of Applied Physics*, 2001, vol. 90, no. 1, p. 345-350. (2001 - Current Contents, SCOPUS). ISSN 0021-8979. Dostupné na:
<https://doi.org/10.1063/1.1372658>

Ohlasy:

1. [1.1] STARIKOV, S. - GORDEEV, I. - LYSOGORSKIY, Y. - KOLOTOVA, L. - MAKAROV, S. Optimized interatomic potential for study of structure and phase transitions in Si-Au and Si-Al systems. In *COMPUTATIONAL MATERIALS SCIENCE*. ISSN 0927-0256, 2020, vol. 184, 109891., Registrované v: WOS

- ADC07 KRAUS, L. - ŠVEC, Peter. Magnetoelastic hysteresis of amorphous ribbons. In *Journal of Applied Physics*, 2003, vol. 93, no. 10, p. 7220-7222. (2002: 2.281 - IF, Current Contents - CCC). (2003 - Current Contents, WOS, SCOPUS). ISSN 0021-8979. Dostupné na: <https://doi.org/10.1063/1.1540043>

Ohlasy:

1. [1.1] HOSSAIN, Sarowar - HAKIM, M. A. - MUKHOPADHYAY, P. K. Interesting low temperature magneto-elastic behavior of a FINEMET metglass. In *AIP ADVANCES*. ISSN 2158-3226, 2017, vol. 7, no. 11, 115221.,
Registrované v: WOS
2. [1.1] NOWICKI, Michal - GAZDA, Piotr - SZEWCZYK, Roman - MARUSENKOV, Andriy - NOSENKO, Anton - KYRYLCHUK, Vasyl. Strain Dependence of Hysteretic Giant Magnetoimpedance Effect in Co-Based Amorphous Ribbon. In *MATERIALS*, 2019, vol. 12, no. 13, 2110., Registrované v: WOS
3. [1.1] NOWICKI, Michal. A Modified Impedance-Frequency Converter for Inexpensive Inductive and Resistive Sensor Applications. In *SENSORS*. ISSN 1424-8220, 2019, vol. 19, no. 1, 121., Registrované v: WOS
4. [1.1] NOWICKI, Michal. Stress Dependence of the Small Angle Magnetization Rotation Signal in Commercial Amorphous Ribbons. In *MATERIALS*, 2019, vol. 12, no. 18, 2908., Registrované v: WOS
5. [1.1] NOWICKI, Michal. Tensductor-Amorphous Alloy Based Magnetoelastic Tensile Force Sensor. In *SENSORS*. ISSN 1424-8220, 2018, vol. 18, no. 12, 4420., Registrované v: WOS
6. [1.1] RI, M. C. - DING, D. W. - SUN, B. A. - WANG, J. Q. - ZHU, X. S. - WANG, B. B. - WANG, T. L. - QIU, Q. Q. - HUO, L. S. - WANG, W. H. Stress effects on magnetic property of Fe-based metallic glasses. In *JOURNAL*

OF NON-CRYSTALLINE SOLIDS. ISSN 0022-3093, 2018, vol. 495, pp. 54-58., Registrované v: WOS

7. [1.1] SZEWCZYK, Roman. Generalization of the Model of Magnetoelastic Effect: 3D Mechanical Stress Dependence of Magnetic Permeability Tensor in Soft Magnetic Materials. In MATERIALS, 2020, vol. 13, no. 18, 4070., Registrované v: WOS

8. [1.1] SZEWCZYK, R. - NOWICKI, M. - OSTASZEWSKA-LIZEWSKA, A. - BIENKOWSKI, A. - NOWAK, P. - MALINEN, M. Accuracy of frame-shaped samples based measurements of magnetoelastic characteristics of soft magnetic materials. In MEASUREMENT. ISSN 0263-2241, 2020, vol. 162, 107899., Registrované v: WOS

ADC08 KRENICKÝ, Tibor - MARCIN, Jozef - ŠKORVÁNEK, Ivan - ŠVEC, Peter. Magnetic properties of FeCoNbB nanocrystalline alloys heat treated under longitudinal magnetic field. In *Czechoslovak journal of physics*, 2004, vol. 54, p. D185-D188. (2003: 0.263 - IF, Current Contents - CCC). (2004 - Current Contents, WOS, SCOPUS). ISSN 0011-4626. Dostupné na: <https://doi.org/10.1007/s10582-004-0060-0>

Ohlasy:

1. [1.1] STRAKA, Luboslav - CORNY, Ivan - PITEL, Jan. Prediction of the Geometrical Accuracy of the Machined Surface of the Tool Steel EN X30WCrV9-3 after Electrical Discharge Machining with CuZn37 Wire Electrode. In METALS. ISSN 2075-4701, 2017, vol. 7, no. 11, 462., Registrované v: WOS

2. [1.1] STRAKA, L'uboslav - HASOVA, Slavomira. Optimization of material removal rate and tool wear rate of Cu electrode in die-sinking EDM of tool steel. In INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY. ISSN 0268-3768, 2018, vol. 97, no. 5-8, pp. 2647-2654., Registrované v: WOS

ADC09 KUBIČÁR, Ľudovít - BOHÁČ, Vlastimil - NITSCH, K. Thermophysical properties of the CsPbCl₃ single crystal using pulse transient method. In *International Journal of Thermophysics*, 2000, vol. 21, no. 2, p. 571-582. (1999: 0.736 - IF). ISSN 0195-928X. Dostupné na: <https://doi.org/10.1023/A:1006668520775>

Ohlasy:

1. [1.1] HAEGER, Tobias - HEIDERHOFF, Ralf - RIEDL, Thomas. Thermal properties of metal-halide perovskites. In JOURNAL OF MATERIALS CHEMISTRY C. ISSN 2050-7526, 2020, vol. 8, no. 41, pp. 14289-14311., Registrované v: WOS

2. [1.1] HAEGER, Tobias - KETTERER, Moritz - BAHR, Johannes - POURDAVOUD, Neda - RUNKEL, Manuel - HEIDERHOFF, Ralf - RIEDL, Thomas. Thermal properties of CsPbCl₃ thin films across phase transitions. In JOURNAL OF PHYSICS-MATERIALS, 2020, vol. 3, no. 2, 024004., Registrované v: WOS

3. [1.1] YANG, Jianfeng - WEN, Xiaoming - XIA, Hongze - et al. Acoustic-optical phonon up-conversion and hot-phonon bottleneck in lead-halide perovskites. In NATURE COMMUNICATIONS. ISSN 2041-1723, 2017, vol. 8, 14120., Registrované v: WOS

- ADC10 MAJERNÍK, Vladimír - MAJERNÍKOVÁ, Eva. Wave packets with diverging spatial standard deviations. In *Acta Physica Hungarica B - Quantum Electronics*, 2005, vol. 23, no. 3-4, p. 163-173.
Ohlasy:
1. [1.1] YUCE, Salim - AYDIN, Fugen Torunbalci. A New Aspect of Dual Fibonacci Quaternions. In *ADVANCES IN APPLIED CLIFFORD ALGEBRAS*. ISSN 0188-7009, 2016, vol. 26, no. 2, p. 873-884., Registrované v: WOS
2. [1.2] YÜCE, Salim - AYDIN, Fügen Torunbalcı. Generalized dual fibonacci quaternions. In *Applied Mathematics E Notes*, 2016, vol. 16, p. 276-289., Registrované v: SCOPUS
- ADC11 MIGLIERINI, Marcel - KAŇUCH, Tomáš - ŠVEC, Peter - KRENICKÝ, Tibor - VÚJTEK, Milan - ZBOŘIL, Radek. Magnetic microstructure of NANOPERM-type nanocrystalline alloys. In *physica status solidi. b.basic solid state physics*, 2006, vol. 243, no. 1, p. 57-64. (2005: 0.836 - IF, Q3 - JCR, 0.746 - SJR, Q2 - SJR, Current Contents - CCC). (2006 - Current Contents, WOS, SCOPUS). ISSN 0370-1972.
Ohlasy:
1. [1.1] CAO, C. C. - WANG, Y. G. - ZHU, L. - MENG, Y. - ZHAI, X. B. - DAI, Y. D. - CHEN, J. K. - PAN, F. M. Local structure, nucleation sites and crystallization behavior and their effects on magnetic properties of Fe₈₁Si_xB₁₀P₈-xCu₁ (x=0 similar to 8). In *SCIENTIFIC REPORTS*. ISSN 2045-2322, 2018, vol. 8, no., pp., Registrované v: WOS
- ADC12 NAGAJ, D. - ŠTELMACHOVIČ, Peter - BUŽEK, Vladimír - KIM, M.S. Quantum homogenization for continuous variables: realization with linear optical elements. In *Physical Review A*, 2002, vol. 66, no. 6, 062307. ISSN 1050-2947.
Ohlasy:
1. [1.1] SHU, Angeline - DAI, Jibo - SCARANI, Valerio. Power of an optical Maxwell's demon in the presence of photon-number correlations. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2017, vol. 95, no. 2, 022123., Registrované v: WOS
- ADC13 NAGY, Juraj - BALOG, Martin - IŽDINSKÝ, Karol - SIMANČÍK, František - ŠVEC, Peter - JANIČKOVIČ, Dušan. High strength potential of aluminium nanocomposites reinforced with nonperiodical phases. In *International Journal of Materials and Product Technology*, 2005, vol. 23, nos.1/2, p.79-90. ISSN 0268-1900.
Ohlasy:
1. [1.1] PEDRAZZINI, S. - GALANO, M. - AUDEBERT, F. - COLLINS, D. M. - HOFMANN, F. - ABBEY, B. - KORSUNSKY, A. M. - LIEBLICH, M. - GARCIA ESCORIAL, A. - SMITH, G. D. W. Strengthening mechanisms in an Al-Fe-Cr-Ti nano-quasicrystalline alloy and composites. In *MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING*. ISSN 0921-5093, 2016, vol. 672, no., pp. 175-183., Registrované v: WOS
2. [1.1] PEDRAZZINI, S. - GALANO, M. - AUDEBERT, F. - SMITH, G. D. W. Elevated temperature mechanical behaviour of nanoquasicrystalline Al₉₃Fe₃Cr₂Ti₂ alloy and composites. In *MATERIALS SCIENCE AND*

ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES
MICROSTRUCTURE AND PROCESSING. ISSN 0921-5093, 2017, vol. 705,
no., pp. 352-359., Registrované v: WOS

- ADC14 NEDEV, N. - MANOLOV, E. - IVANOV, Tz. - PANTCHEV, B. -
BESHKOV, G. - DURNEY, R. - GMUCOVÁ, Katarína - NÁDAŽDY, Vojtech.
Density of localized states in hydrogenated amorphous silicon determined by
quasistatic capacitance of metal/a-Si:H/SiO₂/c-Si structures. In *Journal of
Optoelectronics and Advanced Materials*, 2005, vol. 7, no. 1, p. 507-511.
Ohlasy:
1. [1.1] ABDUL-AMEER, Nidhal M. - ABDULRIDA, Moafak C. -
ABDUL-HAKEEM, Shatha M. Photoluminescence Spectra From The Direct
Energy Gap of a-SiQDs. In IBN AL-HAITHAM FIRST INTERNATIONAL
SCIENTIFIC CONFERENCE. ISSN 1742-6588, 2018, vol. 1003, 012105.,
Registrované v: WOS
- ADC15 SUROVTSEV, Yu.S. - BLOKHINTSEVA, T.D. - BYDŽOVSKÝ, Petr -
NAGY, Mirosław. Electroproduction, photoproduction and inverse electroproduction
of pions in the first resonance region. In *Physical Review C*, 2005, vol. 71, p.
055205.
Ohlasy:
1. [1.1] JERUSALIMOV, A. P. - LYKASOV, G. I. Dielectron
Production in Pion-Nucleon Reactions at Intermediate Energies. In PHYSICS OF
PARTICLES AND NUCLEI LETTERS. ISSN 1547-4771, 2018, vol. 15, no. 5,
pp. 457-463., Registrované v: WOS
- ADC16 ŠKORVÁNEK, Ivan - KIM, C.G. - KOVÁČ, Jozef - ŠVEC, Peter - SATO
TURTELLI, Reiko. Soft magnetic behaviour and permeability spectra in
amorphous and nanocrystalline Fe_{80.5}Nb₇B_{12.5} alloys. In *Journal of Magnetism
and Magnetic Materials*, 2000, vol. 215-216, p. 440-442. (1999: 1.195 - IF, Current
Contents - CCC). (2000 - Current Contents, WOS, SCOPUS). ISSN 0304-8853.
Dostupné na: [https://doi.org/10.1016/S0304-8853\(00\)00183-9](https://doi.org/10.1016/S0304-8853(00)00183-9)
Ohlasy:
1. [1.1] CAI, Xudong - WANG, Jianjiang - CUI, Kaibo - SHI, Haoran -
YIN, Junhui. Crystallization processes and microwave absorption properties of
amorphous LiZn ferrite hollow microspheres. In JOURNAL OF MATERIALS
SCIENCE-MATERIALS IN ELECTRONICS. ISSN 0957-4522, 2017, vol. 28,
no. 13, pp. 9596-9605., Registrované v: WOS
2. [1.1] FU, Bin - HAN, Jie - GUO, Sheng-Qi - WANG, Zhi - ZHANG,
Pan - PAN, Zi-Jiao - XU, Qiang. Room-temperature and high-temperature
magnetic permeability of Co-doped nanocrystalline alloys. In RARE METALS.
ISSN 1001-0521, 2018, vol. 37, no. 5, pp. 427-432., Registrované v: WOS
- ADC17 VESELSKÝ, Martin. Competition of fusion and quasifission in reactions
leading to production of superheavy elements. In *Physics of Atomic Nuclei*, 2003,
vol. 66, no. 6, p. 1086-1094. Dostupné na: <https://doi.org/10.1134/1.1586421>
Ohlasy:
1. [1.1] KRATZ, J. V. - LOVELAND, W. - MOODY, K. J. Syntheses of
transuranium isotopes with atomic numbers $Z \leq 103$ in multi-nucleon transfer

reactions. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2015, vol. 944, no., pp. 117-157., Registrované v: WOS

ADC18 ZIMAN, Mário - PLESCH, Martin - BUŽEK, Vladimír. Process reconstruction from incomplete and/ or inconsistent data. In *European Physical Journal D*, 2005, vol. 32, no. 2, p. 215-222.

Ohlasy:

1. [1.1] MILZ, Simon - POLLOCK, Felix A. - MODI, Kavan.
Reconstructing non-Markovian quantum dynamics with limited control. In
PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 98, no. 1, 012108.,
Registrované v: WOS

ADCA Scientific papers in foreign journals registered in Current Contents Connect with IF (impacted)

ADCA01 ABELEV, B.I. - AGGARWAL, M.M. - AHAMMED, Z. -

ALAKHERDYANTS, A.V. - ANDERSON, B.D. - FILIP, Peter. Identified particle production, azimuthal anisotropy, and interferometry measurements in Au plus Au collisions at $\sqrt{s(NN)}=9.2$ GeV. In *Physical Review C*, 2010, vol. 81, no. 2, 024911. (2009: 3.477 - IF, 2.222 - SJR, Q1 - SJR, Current Contents - CCC). (2010 - Current Contents, SCOPUS). ISSN 2469-9985. Dostupné na:
<https://doi.org/10.1103/PhysRevC.81.024911>

Ohlasy:

1. [1.1] ADAMCZYK, L. - ADAMS, J. R. - ADKINS, J. K. - et al.
Collision energy dependence of moments of net-kaon multiplicity distributions at RHIC. In PHYSICS LETTERS B, 2018, vol. 785, pp. 551-560., Registrované v: WOS

2. [1.1] ADAMCZYK, L. - ADKINS, J. K. - AGAKISHIEV, G. - et al.
Bulk properties of the medium produced in relativistic heavy-ion collisions from the beam energy scan program, In PHYSICAL REVIEW C, 2017, vol. 96, no. 4, 044904., Registrované v: WOS

3. [1.1] ADAM, J. - ADAMCZYK, L. - ADAMS, J. R. - et al. Beam energy dependence of rapidity-even dipolar flow in Au plus Au collisions. PHYSICS LETTERS B, 2018, vol. 784, pp. 26-32., Registrované v: WOS

4. [1.1] ADAM, J. - ADAMCZYK, L. - ADAMS, J. R. - et al.
Correlation measurements between flow harmonics in Au plus Au collisions at RHIC. In PHYSICS LETTERS B, 2018, vol. 783, pp. 459-465., Registrované v: WOS

5. [1.1] ADAM, J. - ADAMCZYK, L. - ADAMS, J. R. - et al. Beam energy dependence of (anti-)deuteron production in Au plus Au collisions at the BNL Relativistic Heavy Ion Collider. In PHYSICAL REVIEW C, 2019, vol. 99, no. 6, 064905., Registrované v: WOS

6. [1.1] AKAMATSU, Yukinao - ASAKAWA, Masayuki - HIRANO, Tetsufumi - et al. Dynamically integrated transport approach for heavy-ion collisions at high baryon density. In PHYSICAL REVIEW C, 2018, vol. 98, no. 2, 024909., Registrované v: WOS

7. [1.1] ANDRONIC, A. - BRAUN-MUNZINGER, P. - REDLICH, K. - et al. Hadron yields, the chemical freeze-out and the QCD phase diagram, In Conference: 16th International Conference on Strangeness in Quark Matter (SQM) Location: Univ Calif, Clark Kerr Campus, Berkeley, CA, JUN 27-JUL 01, 2016, 16TH INTERNATIONAL CONFERENCE ON STRANGENESS IN

- QUARK MATTER (SQM2016), Book Series: Journal of Physics Conference Series, 2017, vol. 779, UNSP 012012., Registrované v: WOS
8. [1.1] BASHIR, I. et al. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A, 2015, vol. 30, 15501391., Registrované v: WOS
9. [1.1] BASHIR, W. - UDDIN, S. - NANDA, H. Particle Ratios from Strongly Interacting Hadronic Matter, In ADVANCES IN HIGH ENERGY PHYSICS, 2017, 2979743., Registrované v: WOS
10. [1.1] BELLWIED, R. - BORSANYI, S. - FODOR, Z. - GUENTHER, J. N. - NORONHA-HOSTLER, J. - PAROTTO, P. - PASZTOR, A. - RATTI, C. - STAFFORD, J. M. Off-diagonal correlators of conserved charges from lattice QCD and how to relate them to experiment. In PHYSICAL REVIEW D. ISSN 2470-0010, 2020, vol. 101, no. 3, 034506., Registrované v: WOS
11. [1.1] BELLWIED, R. - NORONHA-HOSTLER, J. - PAROTTO, P. - VAZQUEZ, I. Portillo - RATTI, C. - STAFFORD, J. M. Freeze-out temperature from net-kaon fluctuations at energies available at the BNL Relativistic Heavy Ion Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 3, 034912., Registrované v: WOS
12. [1.1] BIQUET, A. et al. In EUROPEAN PHYSICAL JOURNAL A, 2015, vol. 51, 121., Registrované v: WOS
13. [1.1] BRATKOVSKAYA, E. L. - PALMESE, A. - CASSING, W. - et al. Chiral symmetry restoration versus deconfinement in heavy-ion collisions at high baryon density, In Conference: 4th Biennial Conference on Discovery Physics at the LHC Location: Kruger, SOUTH AFRICA, DEC 04-09, 2016, INTERNATIONAL WORKSHOP ON DISCOVERY PHYSICS AT THE LHC, Book Series: Journal of Physics Conference Series, 2017, vol. 878, UNSP 012018., Registrované v: WOS
14. [1.1] BRATKOVSKAYA, E.L. et al. Observables and open problems for NICA . In EUROPEAN PHYSICAL JOURNAL A, 2016, vol. 52, no. 8, 219., Registrované v: WOS
15. [1.1] BRAUN-MUNZINGER, P. et al. Properties of hot and dense matter from relativistic heavy ion collisions . In PHYSICS REPORTS, 2016, vol. 621, pp. 76-126., Registrované v: WOS
16. [1.1] BUGAEV, K.A. et al. Thermodynamically anomalous regions . In EUROPEAN PHYSICAL JOURNAL A, 2016, vol. 52, 175., Registrované v: WOS
17. [1.1] BUGAEV, K.A. et al. Separate chemical freeze-outs . In UKRAINIAN JOURNAL OF PHYSICS, 2016, vol. 61, pp. 659-673., Registrované v: WOS
18. [1.1] CASELLE, Michele - MAGNOLI, Nicodemo - NADA, Alessandro - PANERO, Marco - SCANAVINO, Marcello. Conformal perturbation theory confronts lattice results in the vicinity of a critical point. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 100, no. 3, 034512., Registrované v: WOS
19. [1.1] CASSING, W. et al. Chiral symmetry restoration versus deconfinement in heavy-ion collisions . In PHYSICAL REVIEW C, 2016, vol. 93, 014902., Registrované v: WOS
20. [1.1] COSTA, P. et al. In PHYSICAL REVIEW D, 2015, vol. 92, 036012., Registrované v: WOS
21. [1.1] COSTA, P. Influence of the vector interaction and an external magnetic field . In PHYSICAL REVIEW D, 2016, vol. 93, no. 11, 114035.,

Registrované v: WOS

22. [1.1] COSTA, P. Isentropic thermodynamics and scalar-mesons . In EUROPEAN PHYSICAL JOURNAL A, 2016, vol. 52, no. 8, 228., Registrované v: WOS

23. [1.1] DASH, Ashutosh - SAMANTA, Subhasis - MOHANTY, Bedangadas. Interacting hadron resonance gas model in the K-matrix formalism. In PHYSICAL REVIEW C, 2018, vol. 97, no. 5, 055208., Registrované v: WOS

24. [1.1] DAS, S. In EPJ WEB OF CONFERENCES, 2015, vol. 90, 10003., Registrované v: WOS

25. [1.1] DAS, S. In EPJ WEB OF CONFERENCES, 2015, vol. 90, 08007., Registrované v: WOS

26. [1.1] FERREIRA, Marcio - COSTA, Pedro - PROVIDENCIA, Constanca. Presence of a critical endpoint in the QCD phase diagram from the net-baryon number fluctuations. In PHYSICAL REVIEW D, 2018, vol. 98, no. 3, 034006., Registrované v: WOS

27. [1.1] FERREIRA, Marcio - COSTA, Pedro - PROVIDENCIA, Constanca. Net baryon-number fluctuations in magnetized quark matter. In PHYSICAL REVIEW D, 2018, vol. 98, no. 3, 034003., Registrované v: WOS

28. [1.1] FERREIRA, Marcio - COSTA, Pedro - PROVIDENCIA, Constanca. Multiple critical endpoints in magnetized three flavor quark matter. In PHYSICAL REVIEW D, 2018, vol. 97, no. 1, 014014., Registrované v: WOS

29. [1.1] FLOERCHINGER, S. In PHYSICAL REVIEW C, 2015, vol. 92, 064906., Registrované v: WOS

30. [1.1] FRIESEN, A. - KALINOVSKY, Yu. L. - TONEEV, V. D. Kaon to Pion Ratio in SU(3) PNJL Model. In PHYSICS OF PARTICLES AND NUCLEI LETTERS. ISSN 1547-4771, 2019, vol. 16, no. 6, pp. 681-689., Registrované v: WOS

31. [1.1] FRIESEN, A. - KALINOVSKY, Yu L. - TONEEV, V. D. Strange matter and kaon to pion ratio in the SU(3) Polyakov-Nambu-Jona-Lasinio model. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 4, 045201., Registrované v: WOS

32. [1.1] GAO, Li-Na - LIU, Fu-Hu - LI, Bao-Chun. Rapidity Dependent Transverse Momentum Spectra of Heavy Quarkonia Produced in Small Collision Systems at the LHC. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2019, 6739315., Registrované v: WOS

33. [1.1] GAO, Ya-Qin - LAO, Hai-Ling - LIU, Fu-Hu. Chemical Potentials of Light Flavor Quarks from Yield Ratios of Negative to Positive Particles in Au plus Au Collisions at RHIC. In ADVANCES IN HIGH ENERGY PHYSICS, 2018, 6047960., Registrované v: WOS

34. [1.1] GHOSH, Purabi - NAYAK, Jajati K. - SINGH, Sushant K. - AGARWALLA, Santosh K. Microscopic study of strange hadron production at the LHC with root S-NN=2.76 TeV. In PHYSICAL REVIEW D. ISSN 2470-0010, 2020, vol. 101, no. 9, 094004., Registrované v: WOS

35. [1.1] CHEN, Jiamin - LUO, Xiaofeng - LIU, Feng - et al. Effects of mean-field and softening of equation of state on elliptic flow in Au plus Au collisions at root(NN)-N-s=5 GeV from the JAM model. In CHINESE PHYSICS C, 2018, vol. 42, no. 2, 024001., Registrované v: WOS

36. [1.1] CHEN, Ya-Hui - LIU, Fu-Hu - SARKISYAN-GRINBAUM, Edward K. Event patterns from negative pion spectra in proton-proton and nucleus-nucleus collisions at SPS. CHINESE PHYSICS C, 2018, vol. 42, no. 10,

104102., Registrované v: WOS

37. [1.1] LAO, Hai-Ling - GAO, Ya-Qin - LIU, Fu-Hu. Energy Dependent Chemical Potentials of Light Particles and Quarks from Yield Ratios of Antiparticles to Particles in High Energy Collisions. In UNIVERSE, 2019, vol. 5, no. 6, 152., Registrované v: WOS

38. [1.1] LAO, Hai-Ling - GAO, Ya-Qin - LIU, Fu-Hu. Light Particle and Quark Chemical Potentials from Negatively to Positively Charged Particle Yield Ratios Corrected by Removing Strong and Weak Decays. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2020, vol. 2020, 5064737., Registrované v: WOS

39. [1.1] LAO, Hai-Ling - LIU, Fu-Hu - LI, Bao-Chun - et al. Kinetic freeze-out temperatures in central and peripheral collisions: which one is larger? In NUCLEAR SCIENCE AND TECHNIQUES, 2018, vol. 29, no. 6, 82., Registrované v: WOS

40. [1.1] LI, Li-Li - LIU, Fu-Hu. Energy dependent kinetic freeze-out temperature and transverse flow velocity in high energy collisions. In EUROPEAN PHYSICAL JOURNAL A, 2018, vol. 54, no. 10, 169., Registrované v: WOS

41. [1.1] LI, Li-Li - LIU, Fu-Hu. Kinetic Freeze-Out Properties from Transverse Momentum Spectra of Pions in High Energy Proton-Proton Collisions. In PHYSICS, 2020, vol. 2, no. 2, pp. 277-308., Registrované v: WOS

42. [1.1] LI, Li-Li - LIU, Fu-Hu - WAQAS, Muhammad - AL-YUSUFI, Rasha - MUJEAR, Altaf. Excitation Functions of Related Parameters from Transverse Momentum (Mass) Spectra in High-Energy Collisions. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2020, vol. 2020, 5356705., Registrované v: WOS

43. [1.1] LI, Pengcheng - WANG, Yongjia - STEINHEIMER, Jan - LI, Qingfeng - ZHANG, Hongfei. Elliptic flow splitting between protons and antiprotons from hadronic potentials. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2020, vol. 35, no. 35, 2050289., Registrované v: WOS

44. [1.1] MOREAU, P. et al. Hadron production within PHSD . In ACTA PHYSICA POLONICA B, 2016, vol. 9, pp. 279-282., Registrované v: WOS

45. [1.1] MOREAU, P. - PALMESE, A. - CASSING, W. - et al. Evidence for chiral symmetry restoration in heavy-ion collisions, In Conference: 26th International Conference on Ultrarelativistic Nucleus-Nucleus Collisions (Quark Matter) Location: Chicago, IL, FEB 05-11, 2017, NUCLEAR PHYSICS A, 2017, vol. 967, p. 836-839., Registrované v: WOS

46. [1.1] NANDI, Abhirikshma - KUMAR, Lokesh - SHARMA, Natasha. Constraining the particle production mechanism in Au plus Au collisions at root S-NN=7.7, 27, and 200 GeV using a multiphase transport model. In PHYSICAL REVIEW C. ISSN 0556-2813, 2020, vol. 102, no. 2, 024902., Registrované v: WOS

47. [1.1] OLIMOV, Khusniddin K. - IQBAL, Akhtar - MASOOD, Samina. Systematic analysis of midrapidity transverse momentum spectra of identified charged particles in p plus p collisions at $(s_{nn})^{1/2}=2.76, 5.02$, and 7 TeV at the LHC. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2020, vol. 35, no. 27, 2050167., Registrované v: WOS

48. [1.1] OLIMOV, Khusniddin K. - KANOKOVA, Shakhnoza Z. - OLIMOV, Alisher K. - UMAROV, Kobil - TUKHTAEV, Boburbek J. - GULAMOV, Kadyr G. - YULDASHEV, Bekhzod S. - LUTPULLAEV, Sagdulla

- L. - SAIDKHANOV, Nasir Sh - OLIMOV, Kosim - SADYKOV, Turlan Kh. Combined analysis of midrapidity transverse momentum spectra of the charged pions and kaons, protons and antiprotons in p plus p and Pb plus Pb collisions at $(s_{nn})^{1/2}=2.76$ and 5.02 TeV at the LHC. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2020, vol. 35, no. 29, 2050237., Registrované v: WOS
49. [1.1] PALMESE, A. et al. Chiral symmetry restoration in heavy-ion collisions at intermediate energies . In PHYSICAL REVIEW C, 2016, no. 4, vol. 94, 044912., Registrované v: WOS
50. [1.1] PARRA, R. A. - UDDIN, S. - INAM-UL BASHIR - NANDA, H. - BASHIR, W. - AHMAD, R. Study of Pion Transverse Momentum Distributions in Ultra-Relativistic Heavy Ion Collisions: A USTFM Approach. In JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS. ISSN 1063-7761, 2019, vol. 129, no. 2, pp. 217-228., Registrované v: WOS
51. [1.1] PARVAN, A. S. - BHATTACHARYYA, T. Hadron transverse momentum distributions of the Tsallis normalized and unnormalized statistics. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2020, vol. 56, no. 2, 72., Registrované v: WOS
52. [1.1] PEREIRA, Renan Camara - MOREIRA, Joao - COSTA, Pedro. The strange critical endpoint and isentropic trajectories in an extended PNJL model with eight Quark interactions. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2020, vol. 56, no. 8, 214., Registrované v: WOS
53. [1.1] PRATT, Scott - STEINHORST, Rachel. Charge conservation and higher moments of charge fluctuations. In PHYSICAL REVIEW C. ISSN 2469-9985, 2020, vol. 102, no. 6, 064906., Registrované v: WOS
54. [1.1] RATTI, Claudia - BELLWIED, Rene - NORONHA-HOSTLER, Jacquelyn - PAROTTO, Paolo - VAZQUEZ, Israel Portillo - STAFFORD, Jamie M. Analysis of Kaon fluctuations from the beam energy scan at RHIC. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2019, vol. 982, pp. 799-802., Registrované v: WOS
55. [1.1] RATTI, Claudia. Lattice QCD results on chemical freeze-out. In 17th International Conference on Strangeness in Quark Matter (SQM), Utrecht, NETHERLANDS, 2017, 17TH INTERNATIONAL CONFERENCE ON STRANGENESS IN QUARK MATTER (SQM 2017), Book Series: EPJ Web of Conferences, 2018, vol. 171, 0500., Registrované v: WOS
56. [1.1] SAMANTA, Subhasis - PANDA, Susil Kumar - MOHANTY, Bedangadas. Role of new resonance states on fluctuations and correlations of conserved charges in hadron resonance gas model. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E, 2018, vol. 27, no. 10, 1850080., Registrované v: WOS
57. [1.1] SAMANTA, Subhasis - MOHANTY, Bedangadas. Criticality in a hadron resonance gas model with the van der Waals interaction. In PHYSICAL REVIEW C, 2018, vol. 97, no. 1, 015201., Registrované v: WOS
58. [1.1] SINGH, Chakresh Kumar - VASQUES FILHO, Demival - JOLAD, Shivakumar - O'NEALE, Dion R. J. Evolution of interdependent co-authorship and citation networks. In SCIENTOMETRICS. ISSN 0138-9130, 2020, vol. 125, no. 1, pp. 385-404., Registrované v: WOS
59. [1.1] SINGH, Chakresh Kumar - VASQUES FILHO, Demival - JOLAD, Shivakumar - O'NEALE, Dion R. J. Evolution of interdependent co-authorship and citation networks. In SCIENTOMETRICS. ISSN 0138-9130, 2020, vol. 125, no. 1, pp. 385-404., Registrované v: WOS

60. [1.1] SIRUNYAN, A. M. - TUMASYAN, A. - ADAM, W. - et al. Pseudorapidity distributions of charged hadrons in proton-lead collisions at root s(NN)=5.02 and 8.16 TeV. In JOURNAL OF HIGH ENERGY PHYSICS, 2018, no. 1, 045., Registrované v: WOS
61. [1.1] SI, Rui-Fang - LI, Hui-Ling - LIU, Fu-Hu. Comparing Standard Distribution and Its Tsallis Form of Transverse Momenta in High Energy Collisions. In ADVANCES IN HIGH ENERGY PHYSICS, 2018, 7895967., Registrované v: WOS
62. [1.1] TAWFIK, A.N. et al. Phenomenology of strangeness production at high energies . In EPL, 2016, vol. 116, no. 6, 62001., Registrované v: WOS
63. [1.1] TAWFIK, A.N. - YASSIN, H. - ELYAZEED, E.R.A. Phenomenology of Light- and Strange-Quark Simultaneous Production at High Energies, In PHYSICS OF PARTICLES AND NUCLEI LETTERS, 2017, vol. 14, no. 6, p. 843-848., Registrované v: WOS
64. [1.1] THAKUR, D. - JAKHAR, S. - GARG, P. - et al. Estimation of stopped protons at energies relevant for a beam energy scan at the BNL Relativistic Heavy Ion Collider, In PHYSICAL REVIEW C, 2017. vol. 95, no. 4, 044903., Registrované v: WOS
65. [1.1] TIWARI, Katyayni - NASIM, Md. Constraining input parameters of AMPT model with phi meson production. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2020, vol. 999, 121751., Registrované v: WOS
66. [1.1] TOKAREV, Mikhail - KECHECHYAN, Armen - ZBOROVSKY, Imrich. Validation of z-scaling for negative particle production in Au plus Au collisions from BES-I at STAR. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2020, vol. 993, 121646., Registrované v: WOS
67. [1.1] TOKAREV, M. Recent STAR heavy-ion results, In Conference: 23rd International Baldin Seminar on High Energy Physics Problems - Relativistic Nuclear Physics and Quantum Chromodynamics Location: Dubna, RUSSIA, SEP 19-24, 2016, XXIII INTERNATIONAL BALDIN SEMINAR ON HIGH ENERGY PHYSICS PROBLEMS RELATIVISTIC NUCLEAR PHYSICS AND QUANTUM CHROMODYNAMICS (BALDIN ISHEPP XXIII), Book Series: EPJ Web of Conferences, 2017, vol. 138, UNSP 01016., Registrované v: WOS
68. [1.1] TOKAREV, M. V. - ZBOROVSKY, I. New indication on scaling properties of strangeness production in pp collisions at RHIC, In INTERNATIONAL JOURNAL OF MODERN PHYSICS A, 2017, vol. 32, no. 5, 1750029., Registrované v: WOS
69. [1.1] TOKAREV, M. V. - ZBOROVSKY, I. - KECHECHYAN, A. O. - DEDOVICH, T. G. Verification of z-Scaling in p plus p, p and Au plus Au Collisions at RHIC, Tevatron and LHC. In PHYSICS OF PARTICLES AND NUCLEI. ISSN 1063-7796, 2020, vol. 51, no. 2, pp. 141-171., Registrované v: WOS
70. [1.1] WANG, Qi - LIU, Fu-Hu. Initial and Final State Temperatures of Antiproton Emission Sources in High Energy Collisions. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2019, vol. 58, no. 12, pp. 4119-4138., Registrované v: WOS
71. [1.1] WANG, Qi - YANG, Pei-Pin - LIU, Fu-Hu. Comparing a few distributions of transverse momenta in high energy collisions. In RESULTS IN PHYSICS. ISSN 2211-3797, 2019, vol. 12, pp. 259-267., Registrované v: WOS

72. [1.1] WAQAS, Muhammad - LIU, Fu-Hu - LI, Li-Li - ALFANDA, Haidar Mas'ud. Effective (kinetic freeze-out) temperature, transverse flow velocity, and kinetic freeze-out volume in high energy collisions. In NUCLEAR SCIENCE AND TECHNIQUES. ISSN 1001-8042, 2020, vol. 31, no. 11, 109., Registrované v: WOS
73. [1.1] WAQAS, Muhammad - LIU, Fu-Hu. Initial, effective, and kinetic freeze-out temperatures from transverse momentum spectra in high-energy proton(deuteron)-nucleus and nucleus-nucleus collisions. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2020, vol. 135, no. 2, 147., Registrované v: WOS
74. [1.1] WAQAS, Muhammad - LI, Bao-Chun. Kinetic Freeze-Out Temperature and Transverse Flow Velocity in Au-Au Collisions at RHIC-BES Energies. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2020, vol. 2020, 1787183., Registrované v: WOS
75. [1.1] WAQAS, M. - LIU, F-H - FAKHRADDIN, S. - RAHIM, M. A. Possible scenarios for single, double, or multiple kinetic freeze-out in high-energy collisions. In INDIAN JOURNAL OF PHYSICS. ISSN 0973-1458, 2019, vol. 93, no. 10, pp. 1329-1343., Registrované v: WOS
76. [1.1] YU, Ning - LUO, Xiaofeng. Particle decay from statistical thermal model in high-energy nucleus-nucleus collisions. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2019, vol. 55, no. 2, 26., Registrované v: WOS

ADCA02 ABOLGHASEM, Mojgan - ALEXA, Petr - REPKO, Anton - REINHARD, Paul-Gerhard. Evolution of nuclear shapes and structure in tellurium, xenon, barium and cerium isotopes. In *Acta Physica Polonica B*, 2019, vol. 50, no. 3, p. 555-560. (2018: 0.609 - IF, Q4 - JCR, 0.296 - SJR, Q3 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 0587-4254. Dostupné na: <https://doi.org/10.5506/APhysPolB.50.555>

Ohlasy:

1. [1.1] KOSEOGLOU, P. - WERNER, V - PIETRALLA, N. - et al. Low-Z boundary of the N=88-90 shape phase transition: Ce-148 near the critical point. In PHYSICAL REVIEW C. ISSN 2469-9985, 2020, vol. 101, no. 1, 014303., Registrované v: WOS

ADCA03 ACQUAVIVA, S. - D'ANNA, E. - DE GIORGI, M.L. - FERNANDEZ, M. - LUCHES, A. - MAJNI, G- - LUBY, Štefan - MAJKOVÁ, Eva. Transfer of stoichiometry during pulsed laser ablation of multicomponent magnetic targets. In *Applied Surface Science*, 2005, vol. 248, no. 1-4, p. 286-290. ISSN 0169-4332.

Ohlasy:

1. [1.1] MOROZOV, Alexey A. - MIRONOVA, Marina L. Numerical analysis of time-of-flight distributions of neutral particles for pulsed laser ablation of binary substances into vacuum. In APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING. ISSN 0947-8396, 2017, vol. 123, no. 12, 783., Registrované v: WOS

ADCA04 ADACHI, Yuuki - WEN, Fei Huan - ZHANG, Quanzhen - MIYAZAKI, Masato - SUGAWARA, Yasuhiro - SANG, Hongqian - BRNDIAR, Ján - KANTOROVICH, Lev - ŠTICH, Ivan - LI, Yan Jun. Tip-Induced Control of Charge and Molecular Bonding of Oxygen Atoms on the Rutile TiO₂ (110) Surface with

Atomic Force Microscopy. In *ACS Nano*, 2019, vol. 13, no. 6, p. 6917-6924. (2018: 13.903 - IF, Q1 - JCR, 6.214 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 1936-0851. Dostupné na: <https://doi.org/10.1021/acsnano.9b01792>

Ohlasy:

1. [1.1] SOKOLOVIC, Igor - RETICCIOLI, Michele - CALKOVSKY, Martin - WAGNER, Margareta - SCHMID, Michael - FRANCHINI, Cesare - DIEBOLD, Ulrike - SETVIN, Martin. Resolving the adsorption of molecular O₂ on the rutile TiO₂(110) surface by noncontact atomic force microscopy. In *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*. ISSN 0027-8424, 2020, vol. 117, no. 26, pp. 14827-14837., Registrované v: WOS
2. [1.1] WU, Longxia - FU, Cong - HUANG, Weixin. Surface chemistry of TiO₂ connecting thermal catalysis and photocatalysis. In *PHYSICAL CHEMISTRY CHEMICAL PHYSICS*. ISSN 1463-9076, 2020, vol. 22, no. 18, pp. 9875-9909., Registrované v: WOS

ADCA05 ADAMUŠČIN, Cyril - DUBNIČKA, Stanislav - DUBNIČKOVÁ, A.Z. New value of the proton charge root mean square radius. In *Progress in Particle and Nuclear Physics*, 2012, vol. 67, no. 2, p. 479-485. (2011: 2.614 - IF, Q2 - JCR, 2.668 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents). ISSN 0146-6410. Dostupné na: <https://doi.org/10.1016/j.ppnp.2012.01.014>

Ohlasy:

1. [1.1] HAGELSTEIN, Franziska - PASCALUTSA, Vladimir. Lower bound on the proton charge radius from electron scattering data. In *PHYSICS LETTERS B*. ISSN 0370-2693, 2019, vol. 797, UNSP 134825., Registrované v: WOS
2. [1.1] KARR, Jean-Philippe - MARCHAND, Dominique - VOUTIER, Eric. The proton size. In *NATURE REVIEWS PHYSICS*, 2020, vol. 2, no. 11, pp. 601-614., Registrované v: WOS
3. [1.1] KARSHENBOIM, Savely G. - KORZININ, Evgeny Yu. - SHELYUTO, Valery A. - IVANOV, Vladimir G. Theory of Lamb Shift in Muonic Hydrogen. In *JOURNAL OF PHYSICAL AND CHEMICAL REFERENCE DATA*. ISSN 0047-2689, 2015, vol. 44, no. 3, 031202., Registrované v: WOS
4. [1.1] KARSHENBOIM, S. G. - IVANOV, V. G. - EIDELMAN, S. I. Determination of the Proton Charge Radius by Different Methods. In *PHYSICS OF PARTICLES AND NUCLEI LETTERS*. ISSN 1547-4771, 2019, vol. 16, no. 5, pp. 514-519., Registrované v: WOS
5. [1.1] POHL, Randolph. Laser Spectroscopy of Muonic Hydrogen and the Puzzling Proton. In *JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN*. ISSN 0031-9015, 2016, vol. 85, no. 9, 091003., Registrované v: WOS
6. [1.1] SICK, Ingo. Proton Charge Radius from Electron Scattering. In *ATOMS*. ISSN 2218-2004, 2018, vol. 6, no. 1., Registrované v: WOS

ADCA06 ADAMUŠČIN, Cyril - BIMBOT, L. - DUBNIČKA, Stanislav - DUBNIČKOVÁ, A.Z. Phenomenological insight into the space-like proton elastic form factor using the deuteron impulse approximation. In *Physical Review C*, 2008, vol. 78, no. 2, 025202. ISSN 0556-2813. Dostupné na: <https://doi.org/10.1103/PhysRevC.78.025202>

Ohlasy:

1. [1.1] ZHABA, V. Asymptotic of the electric structure function and the deuteron wave function. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2020, vol. 35, no. 16, 2050134., Registrované v: WOS

ADCA07 ADAMUŠČIN, Cyril - GAKH, G.I. - TOMASI-GUSTAFSSON, E.

Polarization effects in the reaction $e^{(+)}e^{(-)}\rho^{(-)}$ and determination of the ρ -meson form factors in the time-like region. In *Physical Review C. Nuclear physics*, 2007, vol. 75, no. 6, 065202. (2006: 3.327 - IF, 1.625 - SJR, Q1 - SJR, Current Contents - CCC). (2007 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.75.065202>

Ohlasy:

1. [1.1] CARRILLO-SERRANO, Manuel E. - BENTZ, Wolfgang - CLOET, Ian C. - THOMAS, Anthony W. ρ meson form factors in a confining Nambu-Jona-Lasinio model. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 92, no. 1, 015212., Registrované v: WOS

ADCA08 ADAMUŠČIN, Cyril - KURAEV, E.A. - TOMASI, Gustafsson - MAAS, F.E.

Testing axial and electromagnetic nucleon form factors in time-like regions in the processes $(p)\overline{p}+n\rightarrow\pi^{(-)}l^{(-)}l^{(+)}$ and $(p)\overline{p}+p\rightarrow\pi^{(0)}l^{(-)}l^{(+)}$, $l = e, \mu$. In *Physical Review C*, 2007, vol. 75, no. 4, 045205. ISSN 0556-2813. Dostupné na: <https://doi.org/10.1103/PhysRevC.75.045205>

Ohlasy:

1. [1.1] DURANTE, M. - INDELICATO, P. - JONSON, B. - KOCH, V - LANGANKE, K. - MEISSNER, Ulf-G - NAPPI, E. - NILSSON, T. - STOEHLKER, Th - WIDMANN, E. - WIESCHER, M. All the fun of the FAIR: fundamental physics at the facility for antiproton and ion research. In PHYSICA SCRIPTA. ISSN 0031-8949, 2019, vol. 94, no. 3, 033001., Registrované v: WOS

ADCA09 ADAMUŠČIN, Cyril - TOMASI-GUSTAFSSON, E. - SANTOPINTO, E. -

BIJKER, R. Two-component model for the axial form factor of the nucleon. In *Physical Review C*, 2008, vol. 78, no. 3, 035201. ISSN 0556-2813. Dostupné na: <https://doi.org/10.1103/PhysRevC.78.035201>

Ohlasy:

1. [1.1] ABE, K. - AKUTSU, R. - AMEY, J. Search for CP Violation in Neutrino and Antineutrino Oscillations by the T2K Experiment with 2.2×10^{21} Protons on Target. In PHYSICAL REVIEW LETTERS, 2018, vol. 121, no. 17, 171802., Registrované v: WOS
2. [1.1] AMARO, J. E. - BARBARO, M. B. - CABALLERO, J. A. - GONZALEZ-JIMENEZ, R. - MEGIAS, G. D. - SIMO, I. Ruiz. Electron- versus neutrino-nucleus scattering. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2020, vol. 47, no. 12, 124001., Registrované v: WOS
3. [1.1] ANKOWSKI, Artur M. - BARBARO, Maria B. - BENHAR, Omar - CABALLERO, Juan A. - GIUSTI, Carlotta - GONZALEZ-JIMENEZ, Raul - MEGIAS, Guillermo D. - MEUCCI, Andrea. Estimate of the theoretical uncertainty of the cross sections for nucleon knockout in neutral-current neutrino-oxygen interactions. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 92, no. 2, 025501., Registrované v: WOS
4. [1.1] HASHAMIPOUR, Hadi - GOHARIPOUR, Muhammad -

- GOUSHEH, Siamak S. Nucleon axial form factor from generalized parton distributions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 100, no. 1, 016001., Registrované v: WOS
5. [1.1] KIM, K. S. - CHOI, Ki-Seok - CHEOUN, Myung-Ki - SO, W. Y. - MOON, Heejang. Role of axial mass and strange axial form factor from various target nuclei in neutrino-nucleus scattering. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 3, 034604., Registrované v: WOS
6. [1.1] RAMALHO, G. Holographic estimate of the meson cloud contribution to nucleon axial form factor. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 7, 073002., Registrované v: WOS
7. [1.1] RAMALHO, G. - TSUSHIMA, K. Axial form factors of the octet baryons in a covariant quark model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 1, 014001., Registrované v: WOS

- ADCA10 ALMEIDA, J. - COLUZZA, C. - DELL'ORTO, T. - TERRASI, A. - IVANČO, Ján. Au/GaAs(100) interface Schottky barrier modification by a silicon nitride intralayer. In *Journal of Applied Physics*, 1997, vol. 81, no. 1, p. 292-296. (1996: 1.812 - IF, Current Contents - CCC). (1997 - Current Contents, SCOPUS). ISSN 0021-8979.
- Ohlasy:
1. [1.1] TASDEMIR, Ibrahim Hudai - VURAL, Ozkan - DOKME, Ilbilge. Electrical characteristics of p-Si/TiO₂/Al and p-Si/TiO₂-Zr/Al Schottky devices. In PHILOSOPHICAL MAGAZINE. ISSN 1478-6435, 2016, vol. 96, no. 16, pp. 1684-1693., Registrované v: WOS

- ADCA11 ALVAREZ-RUIZ, Daina T. - AZOUGH, Feridoon - HERNANDEZ-MALDONADO, David - KEPAPTSOGLOU, Demie M - RAMASSE, Quentin M. - DAY, Sarah J. - ŠVEC, Peter Jr. - ŠVEC, Peter - FREER, Robert*. Utilising unit-cell twinning operators to reduce lattice thermal conductivity in modular structures: Structure and thermoelectric properties of Ga₂O₃(ZnO)(9). In *Journal of Alloys and Compounds*, 2018, vol. 762, p. 892 - 900. (2017: 3.779 - IF, Q1 - JCR, 1.020 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 0925-8388. Dostupné na: <https://doi.org/10.1016/j.jallcom.2018.05.260>
- Ohlasy:
1. [1.1] AHMAD, Sajid - SINGH, Ajay - BHATTACHARYA, Shovit - NAVANEETHAN, M. - BASU, Ranita - BHATT, Ranu - SARKAR, Pritam - MESHRAM, K. N. - MUTHE, K. P. - VITTA, Satish - ASWAL, D. K. Remarkable Improvement of Thermoelectric Figure-of-Merit in SnTe through In Situ-Created Te Nanoinclusions. In ACS APPLIED ENERGY MATERIALS. ISSN 2574-0962, 2020, vol. 3, no. 7, pp. 7113-7120., Registrované v: WOS
2. [1.1] LEE, Won-Yong - PARK, No-Won - KANG, Soo-Young - KANG, Min-Sung - THI THU TRANG BUI - SEOK, Juhee - KIM, Gil-Sung - SAITOH, Eiji - LEE, Sang-Kwon. Bidirectional energy filtering for electronic and phonon transport in Al₂O₃/ZnO superlattice films with anisotropy. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2020, vol. 815, 152482., Registrované v: WOS
3. [1.1] MICHIE, Yuichi - SON, Hyoung-Won - MORI, Takao. Utilizing a unified structure model in (3+1)-dimensional superspace to identify a homologous phase (Ga_{1-α}Al_α)(₂)O-3(ZnO)(_m) in ZnO-based

thermoelectric composites. In JOURNAL OF APPLIED CRYSTALLOGRAPHY. ISSN 0021-8898, 2020, vol. 53, pp. 1542-1549., Registrované v: WOS

- ADCA12 ALVAREZ-RUIZ, Diana T. - AZOUGH, Feridoon - HERNANDEZ-MALDONADO, David - KEPAPTSOGLOU, Demie M. - RAMASSE, Quentin M. - ŠVEC, Peter Jr. - ŠVEC, Peter - FREER, Robert**. Enhancement of Electrical Conduction and Phonon Scattering in Ga₂O₃(ZnO)(9)-In₂O₃(ZnO)(9) Compounds by Modification of Interfaces at the Nanoscale. In *Journal of Electronic Materials*, 2019, vol. 48, no. 4, p. 1818-1826. (2018: 1.676 - IF, Q3 - JCR, 0.422 - SJR, Q2 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 0361-5235. Dostupné na: <https://doi.org/10.1007/s11664-018-06878-w>

Ohlasy:

1. [1.1] SUN, Qianying - LI, Guorong - TIAN, Tian - MAN, Zhenyong - ZHENG, Liaoying - BARRE, Maud - DITTMER, Jens - GOUTENOIRE, Francois - KASSIBA, Abdel Hadi. Controllable microstructure tailoring for regulating conductivity in Al-doped ZnO ceramics. In JOURNAL OF THE EUROPEAN CERAMIC SOCIETY. ISSN 0955-2219, 2020, vol. 40, no. 2, pp. 349-354., Registrované v: WOS

- ADCA13 ANDERSSON, M. - DE BOISSIEU, M. - BRUHNE, S. - DRESCHER, C. - ASSMUS, W. - OHAHSHI, S. - TSAI, A.P. - MIHALKOVIČ, Marek - KRAJČÍ, Marián - RAPP, O. Electronic and structural properties of Laves-phase MgZn₂ of varying chemical disorder. In *Physical Review B*, 2010, vol. 82, no. 2, 024202. (2009: 3.475 - IF, 3.107 - SJR, Q1 - SJR, Current Contents - CCC). (2010 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.82.024202>

Ohlasy:

1. [1.1] CHANDRASEKHAR, Nita - SHOLL, David S. Large-Scale Computational Screening of Binary Intermetallics for Membrane-Based Hydrogen Separation. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2015, vol. 119, no. 47, pp. 26319., Registrované v: WOS
2. [1.1] MA, Lishi - DUAN, Yonghua - LI, Runyue. Phase stability, anisotropic elastic properties and electronic structures of C15-type Laves phases ZrM₂ (M = Cr, Mo and W) from first-principles calculations. In PHILOSOPHICAL MAGAZINE. ISSN 1478-6435, 2017, vol. 97, no. 27, pp. 2406-2424., Registrované v: WOS
3. [1.1] SHAO, Lin - SHI, Tao-Tao - ZHENG, Jie - WANG, Hai-Chen - PAN, Xiong-Ze - TANG, Bi-Yu. First-principles study of point defects in C14 MgZn₂ Laves phase. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2016, vol. 654, no., pp. 475-481., Registrované v: WOS
4. [1.1] WANG, Shuo - ZHAO, Yuhong - HOU, Hua - WEN, Zhiqin - ZHANG, Peilin - LIANG, Jianquan. Effect of anti-site point defects on the mechanical and thermodynamic properties of MgZn₂, MgCu₂ Laves phases: A first-principle study. In JOURNAL OF SOLID STATE CHEMISTRY. ISSN 0022-4596, 2018, vol. 263, pp. 18-23., Registrované v: WOS

ADCA14 ANDREEV, G.A. - HARTMANOVÁ, Mária. Flotation method of precise density-measurements. In *Physica status solidi A*, 1989, vol. 116, no. 2, p. 457-468. ISSN 1862-6300. Dostupné na: <https://doi.org/10.1002/pssa.2211160203>

Ohlasy:

1. [1.1] CONG, Yang - DU, Cunbin - HAN, Shuo - XU, Jian - MENG, Long - WANG, Jian - ZHAO, Hongkun. Solubility Modeling of 4-(Methylsulfonyl)benzaldehyde in Nine Organic Solvents at Elevated Temperatures. In JOURNAL OF CHEMICAL AND ENGINEERING DATA. ISSN 0021-9568, 2016, vol. 61, no. 4, pp. 1657-1666., Registrované v: WOS
2. [1.1] CONG, Yang - WANG, Jian - DU, Cunbin - HAN, Shuo - ZHAO, Hongkun. Solubility and solution thermodynamics of 2-methyl-6-nitroaniline in ten organic solvents at elevated temperatures. In JOURNAL OF CHEMICAL THERMODYNAMICS. ISSN 0021-9614, 2016, vol. 101, no., pp. 180-189., Registrované v: WOS
3. [1.1] CONG, Yang - WANG, Jian - DU, Cunbin - HAN, Shuo - MENG, Long - ZHAO, Hongkun. Solubility determination and thermodynamic modeling of 5-nitro-8-hydroxyquinoline in ten organic solvents from T = (278.15 to 313.15) K and mixing properties of solutions. In JOURNAL OF CHEMICAL THERMODYNAMICS. ISSN 0021-9614, 2016, vol. 100, no., pp. 60-71., Registrované v: WOS
4. [1.1] DONG, Ruimei - DU, Cunbin - QIAO, Bin - ZHANG, Ying - YE, Tingting - JIN, Zhudan - WANG, Mingliang. Research on Dissolution Capability of Several Antofloxacin Salts. In JOURNAL OF CHEMICAL AND ENGINEERING DATA. ISSN 0021-9568, 2018, vol. 63, no. 8, pp. 3018-3026., Registrované v: WOS
5. [1.1] DU, Cunbin - XU, Renjie - HAN, Shuo - XU, Jian - MENG, Long - WANG, Jian - ZHAO, Hongkun. Solubility of 3-chloro-N-phenylphthalimide in ten organic solvents from T = (288.15 to 323.15) K: Determination and modelling. In JOURNAL OF CHEMICAL THERMODYNAMICS. ISSN 0021-9614, 2016, vol. 96, no., pp. 187-195., Registrované v: WOS
6. [1.1] HAN, Shuo - MENG, Long - DU, Cunbin - XU, Jian - CHENG, Chao - WANG, Jian - ZHAO, Hongkun. Solubility and solution thermodynamics of ethyl 5-amino-4-cyano-3-(2-ethoxy-2-oxoethyl)-2-thiophenecarboxylate in nine organic solvents at evaluated temperatures. In JOURNAL OF CHEMICAL THERMODYNAMICS. ISSN 0021-9614, 2016, vol. 97, no., pp. 17-25., Registrované v: WOS
7. [1.1] HAN, Shuo - MENG, Long - DU, Cunbin - XU, Jian - CHENG, Chao - WANG, Jian - ZHAO, Hongkun. Solubility Measurement and Thermodynamic Modeling of 4-Nitrophthalimide in Twelve Pure Solvents at Elevated Temperatures Ranging from (273.15 to 323.15) K. In JOURNAL OF CHEMICAL AND ENGINEERING DATA. ISSN 0021-9568, 2016, vol. 61, no. 7, pp. 2525-2535., Registrované v: WOS
8. [1.1] CHENG, Chao - CONG, Yang - MENG, Long - WANG, Jian - YAO, GanBing - ZHAO, Hongkun. Solubility measurement and thermodynamic functions of dehydroepiandrosterone acetate in different solvents at evaluated temperatures. In JOURNAL OF CHEMICAL THERMODYNAMICS. ISSN 0021-9614, 2016, vol. 97, no., pp. 158-166., Registrované v: WOS
9. [1.1] PULYALINA, A. - POLOTSKAYA, G. - GOIKHMAN, M. - PODESHVO, I. - CHERNITSA, B. - KOCHERBITOV, V. - TOIKKA, A. Novel

approach to determination of sorption in pervaporation process: a case study of isopropanol dehydration by polyamidoimideurea membranes. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2017, vol. 7, 8415., Registrované v: WOS

10. [1.1] THIRUPUGALMANI, K. - KAITHICK, S. - SHANMUGAM, G. - KANNAN, V. - SRIDHAR, B. - NEHRU, K. - BRAHADEESWARAN, S. Second- and third-order nonlinear optical and quantum chemical studies on 2-amino-4-picolinium-nitrophenolate-nitrophenol: A phasematchable organic single crystal. In OPTICAL MATERIALS. ISSN 0925-3467, 2015, vol. 49, pp. 158., Registrované v: WOS

11. [1.1] THUKRAL, Kanika - VIJAYAN, N. - SONIA - HARANATH, D. - MAURYA, K. K. - PHILIP, J. - JAYARAMAKRISHNAN, V. Comprehensive study on L-Proline Lithium Chloride Monohydrate single crystal: A semi organic material for nonlinear optical applications. In ARABIAN JOURNAL OF CHEMISTRY. ISSN 1878-5352, 2019, vol. 12, no. 8, pp. 3193-3201., Registrované v: WOS

12. [1.1] WU, Yufang - DI, Yanchao - ZHANG, Xiaolu - ZHANG, Yanting. Solubility determination and thermodynamic modeling of 3-methyl-4-nitrobenzoic acid in twelve organic solvents from T = (283.15-318.15) K and mixing properties of solutions. In JOURNAL OF CHEMICAL THERMODYNAMICS. ISSN 0021-9614, 2016, vol. 102, no., pp. 257-269., Registrované v: WOS

ADCA15 ANDREYEV, A.N. - LIBERATI, V. - ANTALIC, S. - ACKERMANN, D. - BARZAKH, A. - BREE, N. - COCOLIOS, T.E. - DIRIKEN, J. - ELSEVIERS, J. - FEDOROV, D. - FINK, D. - FRANCHOO, S. - HEINZ, S. - HESSBERGER, F.P. - HOFMANN, S. - HUYSE, M. - IVANOV, O. - KHUYAGBAATAR, J. - KINDLER, B. - KOSTER, U. - LANE, J.F.W. - LOMMEL, B. - MARSH, B. - MOLKANOV, P. - NISHIO, K. - PAGE, R.D. - PATRONIS, N. - PAUWELS, D. - RADULOV, D. - SARO, S. - SELIVERSTOV, M. - SJODIN, M. - TSEKHANOVICH, I. - VAN DEN BERGH, P. - VAN DUPPEN, P. - VENHART, Martin - VESELSKÝ, Martin. alpha-decay spectroscopy of the chain Ti-179(g) - Au-175(g) - Ir-171(g) - Re-167(m). In *Physical Review C*, 2013, vol. 87, no. 5, 054311. (2012: 3.715 - IF, 2.769 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.87.054311>

Ohlasy:

1. [1.1] BADRAN, H. - SCHOLEY, C. - AURANEN, K. - GRAHN, T. - GREENLEES, P. T. - HERZAN, A. - JAKOBSSON, U. - JULIN, R. - JUUTINEN, S. - KONKI, J. - LEINO, M. - MALLABURN, M. - PAKARINEN, J. - PAPADAKIS, P. - PARTANEN, J. - PEURA, P. - RAHKILA, P. - SANDZELIUS, M. - SAREN, J. - SORRI, J. - STOLZE, S. - UUSITALO, J. Confirmation of the new isotope Pb-178. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 5, 054301., Registrované v: WOS

2. [1.1] BADRAN, H. - SCHOLEY, C. - UUSITALO, J. - et al. Decay spectroscopy of Pb-179(82)97 and evidence for a 9/2(-) intruder state in Tl-179(81)98. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 96, no. 6, 064314., Registrované v: WOS

3. [1.1] BAGLIN, Coral M. - MCCUTCHAN, E. A. Nuclear Data Sheets for A=171. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2018, vol. 151, pp. 334-718., Registrované v: WOS

4. [1.1] BORGE, M. J. G. Highlights of the ISOLDE facility and the HIE-ISOLDE Project. In EPJ WEB OF CONFERENCES, 2016, vol. 117, 10002., Registrované v: WOS
5. [1.1] MANDAL, S. - DINI, K. - KIBIS, O. V. - LIEW, T. C. H. On the possibility of a terahertz light emitting diode based on a dressed quantum well. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2019, vol. 9, 16320, Registrované v: WOS
6. [1.1] SEIF, W. M. Nucleon pairing correlations and the alpha cluster preformation probability inside heavy and superheavy nuclei. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 91, no. 1, 014322., Registrované v: WOS
7. [1.1] SEIF, W. M. - HASHEM, A. S. Constraints on the nuclear symmetry energy and its density slope from the alpha decay process. In CHINESE PHYSICS C. ISSN 1674-1137, 2018, vol. 42, no. 6, 064104., Registrované v: WOS

ADCA16 ANDREYEV, A.N. - ELSEVIERS, J. - HUYSE, M. - VAN DUPPEN, P. - ANTALIC, S. - BARZAKH, A. - BREE, N. - COCOLIOS, T.E. - COMAS, V.F. - DIRIKEN, J. - FEDOROV, D. - FEDOSSEEV, V. - FRANCHOO, S. - HEREDIA, J.A. - IVANOV, O. - KOSTER, U. - MARSH, B.A. - NISHIO, K. - PAGE, R.D. - PATRONIS, N. - SELIVERSTOV, M. - TSEKHANOVICH, I. - VAN DEN BERGH, P. - VAN DE WALLE, J. - VENHART, M. - VERMOTE, S. - VESELSKÝ, Martin - WAGEMANS, C. - ICHIKAWA, T. - IWAMOTO, A. - MOLLER, P. - SIERK, A.J. New type of asymmetric Fission in proton-rich nuclei. In *Physical Review Letters*, 2010, vol. 105, no. 25, 252502. (2009: 7.328 - IF, 6.325 - SJR, Q1 - SJR, Current Contents - CCC). (2010 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.105.252502>

Ohlasy:

1. [1.1] AGBEMAVA, S. E. - AFANASJEV, A. V. - RING, P. Octupole deformation in the ground states of even-even nuclei: A global analysis within the covariant density functional theory. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 4, 044304., Registrované v: WOS
2. [1.1] ANDREEV, A. V. - ADAMIAN, G. G. - ANTONENKO, N. V. Asymmetry of fission fragment mass distribution for Po and Ir isotopes. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 3, 034620., Registrované v: WOS
3. [1.1] ARITA, Ken-ichiro - ICHIKAWA, Takatoshi - MATSUYANAGI, Kenichi. Nascent fragment shell effects on the nuclear fission processes in semiclassical periodic orbit theory. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 6, 064311., Registrované v: WOS
4. [1.1] ARITA, Ken-ichiro - ICHIKAWA, Takatoshi - MATSUYANAGI, Kenichi. Semiclassical origin of asymmetric nuclear fission: nascent-fragment shell effect in periodic-orbit theory. In PHYSICA SCRIPTA. ISSN 0031-8949, 2020, vol. 95, no. 2, 024003., Registrované v: WOS
5. [1.1] ARITA, Ken-ichiro. Semiclassical trace formula for truncated spherical well potentials: Toward the analyses of shell structures in nuclear fission processes. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 6, 064310., Registrované v: WOS
6. [1.1] AUDOUIN, L. - GREUTE, L. - TAIEB, J. - CHATILLON, A.

- Fission in inverse kinematics. In NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, 2018, vol. 41, no. 5, 176., Registrované v: WOS
7. [1.1] BARTEL, J. et al. Fission properties of Po isotopes. In PHYSICA SCRIPTA, 2015, vol. 90, no. 11, 114004., Registrované v: WOS
8. [1.1] BENLLIURE, J. Dynamical effects in fission investigated at high excitation energy. In EPJ WEB OF CONFERENCES, 2016, vol. 117, 08001., Registrované v: WOS
9. [1.1] BERNARD, R. N. - PILLET, N. - ROBLEDO, L. M. - ANGUIANO, M. Description of the asymmetric to symmetric fission transition in the neutron-deficient thorium isotopes: Role of the tensor force. In PHYSICAL REVIEW C. ISSN 2469-9985, 2020, vol. 101, no. 4, 044615., Registrované v: WOS
10. [1.1] CARJAN, N. - IVANYUK, F. A. - OGANESSIAN, Yu. - TER-AKOPIAN, G. Fission of transactinide elements described in terms of generalized Cassinian ovals: Fragment mass and total kinetic energy distributions. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2015, vol. 942, pp. 97., Registrované v: WOS
11. [1.1] DENISOV, V. Yu - MARGITYCH, T. O. - SEDYKH, I. Yu. Mass yields and kinetic energy of fragments from fission of highly-excited nuclei with A less than or similar to 220. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 958, pp. 101-128., Registrované v: WOS
12. [1.1] DEPPMAN, A. - KARAPETYAN, G. S. - GUIMARAES, V. - GONZALES, C. - BALABEKYAN, A. R. - DEMEKHINA, N. A. Bremsstrahlung-induced fission and spallation of the pre-actinide nucleus Ta-181. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 91, no. 2, 024620., Registrované v: WOS
13. [1.1] DUBEY, R. - SUGATHAN, P. - JHINGAN, A. - KAUR, Gurpreet - MUKUL, Ish - MOHANTO, G. - SIWAL, D. - SANEESH, N. - BANERJEE, T. - THAKUR, Meenu - MAHAJAN, Ruchi - KUMAR, N. - CHATTERJEE, M. B. Interplay of fission modes in mass distribution of light actinide nuclei Pa-225, Pa-227. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 752, pp. 338-343., Registrované v: WOS
14. [1.1] GHOSH, Tilak Kumar. Into the fission valley of 'magic nucleus' polonium. In CURRENT SCIENCE. ISSN 0011-3891, 2019, vol. 116, no. 12, pp. 1961-1964., Registrované v: WOS
15. [1.1] GODDARD, Philip - STEVENSON, Paul - RIOS, Arnau. Fission dynamics within time-dependent Hartree-Fock. II. Boost-induced fission. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 1, 014620., Registrované v: WOS
16. [1.1] GORBINET, T. - BELIER, G. - BOUTOUX, G. - CHATILLON, A. - EBRAN, A. - LAURENT, B. - MARTIN, J.F. - PELLEREAU, E. - TAIEB, J. - AUDOUIN, L. - TASSAN-GOT, L. - JURADO, B. - ALVAREZ-POL, H. - AYYAD, Y. - BENLLIURE, J. - CAAMANO, M. - CORTINA-GIL, D. - FERNANDEZ-DOMINGUEZ, B. - PARADELA, C. - RODRIGUEZ-SANCHEZ, J.L. - VARGAS, J. - CASAREJOS, E. - HEINZ, A. - KELIC-HEIL, A. - KURZ, N. - NOCIFORO, C. - PIETRI, S. - PROCHAZKA, A. - ROSSI, D. - SCHMIDT, K.H. - SIMON, H. - VOSS, B. - WEICK, H. - WINFIELD, J. S. A sample of the results of the first SOFIA experiment. In SCIENTIFIC WORKSHOP ON NUCLEAR FISSION DYNAMICS AND THE

EMISSION OF PROMPT NEUTRONS AND GAMMA RAYS, THEORY-3.
ISSN 1875-3892, 2015, vol. 64, pp. 101., Registrované v: WOS

17. [1.1] GUPTA, Shilpi - MAHATA, K. - SHRIVASTAVA, A. -
RAMACHANDRAN, K. - PANDIT, S. K. - ROUT, P. C. - PARKAR, V. V. -
TRIPATHI, R. - KUMAR, A. - NAYAK, B. K. - MIRGULE, E. T. - SAXENA,
A. - KAILAS, S. - JHINGAN, A. - NASIROV, A. K. - YULDASHEVA, G. A. -
NADTOCHY, P. N. - SCHMITT, C. Competing asymmetric fusion-fission and
quasifission in neutron-deficient sub-lead nuclei. In PHYSICS LETTERS B.
ISSN 0370-2693, 2020, vol. 803, 135297., Registrované v: WOS

18. [1.1] GUPTA, Shilpi - SCHMITT, C. - MAHATA, K. -
SHRIVASTAVA, A. - SUGATHAN, P. - JHINGAN, A. - GOLDA, K. S. -
SANEESH, N. - KUMAR, M. - KAUR, G. - STUTTGE, L. - ARORA, D. -
ARORA, H. - CHATTERJEE, A. - CHAUHAN, K. - DUGGI, S. K. - KAUR, D.
P. - MISHRA, V - PATIL, Prashant N. - RANI, K. Asymmetric fission around
lead: The case of Po-198. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019,
vol. 100, no. 6, 064608., Registrované v: WOS

19. [1.1] HUANG, W. J. - AUDI, G. Corrections of alpha- and
proton-decay energies in implantation experiments. In ND 2016:
INTERNATIONAL CONFERENCE ON NUCLEAR DATA FOR SCIENCE
AND TECHNOLOGY. ISSN 2100-014X, 2017, vol. 146, 10007., Registrované
v: WOS

20. [1.1] CHAKRABARTI, Alok - DECHOUDHURY, Siddhartha -
BHOWMICK, Debasis - NAIK, Vaishali. Signature of bi-modal fission in
uranium nuclei. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE
PHYSICS. ISSN 0954-3899, 2019, vol. 46, no. 12., Registrované v: WOS

21. [1.1] CHATILLON, A. - TAIEB, J. - ALVAREZ-POL, H. -
AUDOUIN, L. - AYYAD, Y. - BELIER, G. - BENLLIURE, J. - BOUTOUX, G.
- CAAMANO, M. - CASAREJOS, E. - CORTINA-GIL, D. - EBRAN, A. -
FARGET, F. - FERNANDEZ-DOMINGUEZ, B. - GORBINET, T. - GREUTE,
L. - HEINZ, A. - JOHANSSON, H. T. - JURADO, B. - KELIC-HEIL, A. -
KURZ, N. - LAURENT, B. - MARTIN, J-F - NOCIFORO, C. - PARADELA, C.
- PELLEREAU, E. - PIETRI, S. - PROCHAZKA, A. -
RODRIGUEZ-SANCHEZ, J. L. - SIMON, H. - TASSAN-GOT, L. - VARGAS,
J. - VOSS, B. - WEICK, H. Experimental study of nuclear fission along the
thorium isotopic chain: From asymmetric to symmetric fission. In PHYSICAL
REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 5, 054628., Registrované v:
WOS

22. [1.1] IVANYUK, F. A. - CHIBA, S. - ARITOMO, Y. The Scission
Point Configuration and the Multiplicity of Prompt Neutrons. In SCIENTIFIC
WORKSHOP ON NUCLEAR FISSION DYNAMICS AND THE EMISSION
OF PROMPT NEUTRONS AND GAMMA RAYS, THEORY-3. ISSN
1875-3892, 2015, vol. 64, pp. 28., Registrované v: WOS

23. [1.1] KAJINO, T. - AOKI, W. - BALANTEKIN, A. B. - DIEHL, R. -
FAMIANO, M. A. - MATHEWS, G. J. Current status of r-process
nucleosynthesis. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS.
ISSN 0146-6410, 2019, vol. 107, pp. 109-166., Registrované v: WOS

24. [1.1] KAUR, Amandeep - SHARMA, Manoj K. Fine structure effect
among heavy-ion induced fission fragments at near and above barrier energies. In
EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2019, vol. 55, no. 6,
89., Registrované v: WOS

25. [1.1] KAVITA - GOLDA, K. S. - GHOSH, T. K. - JHINGAN, A. - SUGATHAN, P. - CHATTERJEE, A. - BEHERA, B. R. - KUMAR, Ashok - KUMAR, Rakesh - SANEESH, N. - KUMAR, M. - YADAV, Abhishek - YADAV, C. - KUMAR, Neeraj - BANERJEE, Akashrup - RANI, A. - DUGGI, S. K. - DUBEY, Rakesh - RANI, Kavita - NOOR, Shoaib - ACHARYA, Jaimin - SINGH, Hardev. Fusion-fission dynamics of Pt-188,Pt-190 through fission fragment mass distribution measurements. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 2, 024626., Registrované v: WOS
26. [1.1] LEMAITRE, Jean-Francois - PANEBIANCO, Stefano - SIDA, Jean-Luc - HILAIRE, Stephane - HEINRICH, Sophie. New statistical scission-point model to predict fission fragment observables. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 92, no. 3, 034617., Registrované v: WOS
27. [1.1] LEMAITRE, J-F - GORIELY, S. - HILAIRE, S. - SIDA, J-L. Fully microscopic scission-point model to predict fission fragment observables. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 3, 034612., Registrované v: WOS
28. [1.1] LYNCH, Kara Marie. Laser Assisted Nuclear Decay Spectroscopy. In LASER ASSISTED NUCLEAR DECAY SPECTROSCOPY: A NEW METHOD FOR STUDYING NEUTRON-DEFICIENT FRANCIUM ISOTOPES. ISSN 2190-5053, 2015, pp. 53., Registrované v: WOS
29. [1.1] MACKINTOSH, R. S. Elastic scattering phenomenology. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2017, vol. 53, no. 4, 66., Registrované v: WOS
30. [1.1] MALIK, Sham S. Investigation of fine-structure dips in fission-fragment mass distribution: An asymmetric two centre shell model approach. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 960, pp. 180-197., Registrované v: WOS
31. [1.1] MALIK, Sham S. - MAZUMDAR, I. Role of quantum phase transition in spontaneous fission. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2019, vol. 990, pp. 220-243., Registrované v: WOS
32. [1.1] MARTIN, Julie-Fiona - TAIEB, Julien - CHATILLON, Audrey - BELIER, Gilbert - BOUTOUX, Guillaume - EBRAN, Adeline - GORBINET, Thomas - GRENTE, Lucie - LAURENT, Benoit - PELLEREAU, Eric - ALVAREZ-POL, Hector - AUDOUIN, Laurent - AUMANN, Thomas - AYYAD, Yassid - BENLLIURE, Jose - CASAREJOS, Enrique - CORTINA GIL, Dolores - CAAMANO, Manuel - FARGET, Fanny - FERNANDEZ DOMINGUEZ, Beatriz - HEINZ, Andreas - JURADO, Beatriz - KELIC-HEIL, Aleksandra - KURZ, Nikolaus - NOCIFORO, Chiara - PARADELA, Carlos - PIETRI, Stephane - RAMOS, Diego - RODRIGUEZ-SANCHEZ, Jose-Luis - RODRIGUEZ-TAJES, Carme - ROSSI, Dominic - SCHMIDT, Karl-Heinz - SIMON, Haik - TASSAN-GOT, Laurent - VARGAS, Jossitt - VOSS, Bernd - WEICK, Helmut. Studies on fission with ALADIN Precise and simultaneous measurement of fission yields, total kinetic energy and total prompt neutron multiplicity at GSI. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2015, vol. 51, no. 12, 174., Registrované v: WOS
33. [1.1] MASLYUK, V. T. - PARLAG, O. A. - LENDYEL, O. I. - MARYNETS, T. I. - ROMANYUK, M. I. - SHEVCHENKO, O. S. - RANYUK, Ju Ju - DOVBNYA, A. M. Calculation of the fission-fragment yields of the pre-actinide nuclei by the example of the Pb-nat isotopes. In NUCLEAR

PHYSICS A. ISSN 0375-9474, 2016, vol. 955, no., pp. 79-87., Registrované v: WOS

34. [1.1] MCCUTCHAN, E. A. Nuclear Data Sheets for A=180. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2015, vol. 126, pp. 151., Registrované v: WOS

35. [1.1] MOELLER, Peter - RANDRUP, Jorgen. Calculated fission-fragment yield systematics in the region $74 \leq Z \leq 94$ and $90 \leq N \leq 150$. In PHYSICAL REVIEW C. ISSN 2469-9985, 2015, vol. 91, no. 4, 044316., Registrované v: WOS

36. [1.1] MOLLER, Peter - SCHMITT, Christelle. Evolution of uranium fission-fragment charge yields with neutron number. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2017, vol. 53, no. 1, 7., Registrované v: WOS

37. [1.1] MOLLER, Peter. Essentials of the macroscopic-microscopic folded-Yukawa approach and examples of its record in providing nuclear-structure data for simulations. In 9TH EUROPEAN SUMMER SCHOOL ON EXPERIMENTAL NUCLEAR ASTROPHYSICS. ISSN 2100-014X, 2018, vol. 184, UNSP 01013., Registrované v: WOS

38. [1.1] NAGAME, Yuichiro. Nuclear and chemical characterization of heavy actinides. In RADIOCHIMICA ACTA. ISSN 0033-8230, 2019, vol. 107, no. 9-11, pp. 803-819., Registrované v: WOS

39. [1.1] NERLO-POMORSKA, B. - POMORSKI, K. - SCHMITT, C. - BARTEL, J. Potential energy surfaces of Polonium isotopes. In PHYSICA SCRIPTA. ISSN 0031-8949, 2015, vol. 90, no. 11, p114010, Registrované v: WOS

40. [1.1] NERLO-POMORSKA, B. - POMORSKI, K. - BARTEL, J. - SCHMITT, C. On possible shape isomers in the Pt-Ra region of nuclei. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2017, vol. 53, no. 4, 67., Registrované v: WOS

41. [1.1] NERLO-POMORSKA, B. - POMORSKI, K. - BARTEL, J. - SCHMITT, C. POTENTIAL ENERGY SURFACES OF MERCURY UP TO URANIUM ISOTOPES IN THE 4D FOURIER SHAPE PARAMETRISATION. In XXIII NUCLEAR PHYSICS WORKSHOP MARIE AND PIERRE CURIE: ESSENTIAL PROBLEMS IN NUCLEAR PHYSICS, 2016. ISSN 1899-2358, 2017, vol. 10, no. 1, pp. 173-181., Registrované v: WOS

42. [1.1] NERLO-POMORSKA, B. - POMORSKI, K. - BARTEL, J. - MOLIQUÉ, H. ON SHAPE ISOMERS OF Pt-Pb ISOTOPES IN THE 4D FOURIER PARAMETRISATION. In ACTA PHYSICA POLONICA B PROCEEDINGS SUPPLEMENT. ISSN 1899-2358, 2020, vol. 13, no. 3, pp. 449-456., Registrované v: WOS

43. [1.1] PASCA, Horia. Energy dependence of fission observables. In EPJ WEB OF CONFERENCES, 2016, vol. 107, 07003., Registrované v: WOS

44. [1.1] PASCA, H. - ANDREEV, A. V. - ADAMIAN, G. G. - ANTONENKO, N. V. Unexpected asymmetry of the charge distribution in the fission of Th-222, Th-224 at high excitation energies. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 6, 064614., Registrované v: WOS

45. [1.1] PAUL, D. - SEN, A. - GHOSH, T. K. - SHAIKH, Md Moin - ATREYA, K. - KUNDU, S. - BANERJEE, K. - BHATTACHARYA, C. - BHATTACHARYA, S. - MEENA, J. K. - BISWAS, D. C. - JOSHI, B. N. - KUMAR, N. - PRAJAPATI, G. K. - GUPTA, Y. K. - MAHATA, K. -

RAMACHANDRAN, K. - PAL, S. Measurement of fragment-mass distributions from fission of At-214 following the(9)Be + Tl-205 reaction. In PHYSICAL REVIEW C. ISSN 2469-9985, 2020, vol. 102, no. 5, 054604., Registrované v: WOS

46. [1.1] PRASAD, E. - HINDE, D. J. - RAMACHANDRAN, K. - WILLIAMS, E. - DASGUPTA, M. - CARTER, I. P. - COOK, K. J. - JEUNG, D. Y. - LUONG, D. H. - MCNEIL, S. - PALSHETKAR, C. S. - RAFFERTY, D. C. - SIMENEL, C. - WAKHLE, A. - KHUYAGBAATAR, J. - DUELLMANN, Ch. E. - LOMMEL, B. - KINDLER, B. Observation of mass-asymmetric fission of mercury nuclei in heavy ion fusion. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 91, no. 6, 064605., Registrované v: WOS

47. [1.1] PRASAD, E. - HINDE, D. J. - DASGUPTA, M. - JEUNG, D. Y. - BERRIMAN, A. C. - SWINTON-BLAND, B. M. A. - SIMENEL, C. - SIMPSON, E. C. - BERNARD, R. - WILLIAMS, E. - COOK, K. J. - RAFFERTY, D. C. - SENGUPTA, C. - SMITH, J. F. - VO-PHUOC, K. - WALSHE, J. Systematics of the mass-asymmetric fission of excited nuclei from Os-176 to Pb-206. In PHYSICS LETTERS B. ISSN 0370-2693, 2020, vol. 811, 135941., Registrované v: WOS

48. [1.1] RUAN, XinHui - HU, JiangTao - RONG, Tao - BAO, XiaoJun. Yields distribution of induced fission with improved scission point model. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2019, vol. 46, no. 12, 125108., Registrované v: WOS

49. [1.1] RYSENS, W. - BENDER, M. - BENNACEUR, K. - HEENEN, P-H - MEYER, J. Impact of the surface energy coefficient on the deformation properties of atomic nuclei as predicted by Skyrme energy density functionals. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 4, 044315., Registrované v: WOS

50. [1.1] SCAMPS, Guillaume - SIMENEL, Cedric - LACROIX, Denis. Superfluid dynamics of Fm-258 fission. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 92, no. 1, 011602., Registrované v: WOS

51. [1.1] SCAMPS, Guillaume - SIMENEL, Cedric. Impact of pear-shaped fission fragments on mass-asymmetric fission in actinides. In NATURE. ISSN 0028-0836, 2018, vol. 564, no. 7736, pp. 382-+, Registrované v: WOS

52. [1.1] SCAMPS, Guillaume - SIMENEL, Cedric. Effect of shell structure on the fission of sub-lead nuclei. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 4, 041602., Registrované v: WOS

53. [1.1] SEN, A. - GHOSH, T. K. - BHATTACHARYA, S. - BANERJEE, K. - BHATTACHARYA, C. - KUNDU, S. - MUKHERJEE, G. - ASGAR, A. - DEY, A. - DHAL, A. - SHAIKH, Md. Moin - MEENA, J. K. - MANNA, S. - PANDEY, R. - RANA, T. K. - ROY, Pratap - ROY, T. - SRIVASTAVA, V. - BHATTACHARYA, P. Fission fragment mass distributions from Po-210 and At-213. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 96, no. 6, 064609., Registrované v: WOS

54. [1.1] SCHMIDT, Karl-Heinz - JURADO, Beatriz. Revealing hidden regularities with a general approach to fission. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2015, vol. 51, no. 12, 176., Registrované v: WOS

55. [1.1] SCHMIDT, Karl-Heinz - JURADO, Beatriz. General Laws of Quantum and Statistical Mechanics Governing Fission. In Nuclear Physics:

- Present and Future, 2015, pp. 121., Registrované v: WOS
56. [1.1] SCHMIDT, K.H. - JURADO, B. - AMOUROUX, C. - SCHMITT, C. General Description of Fission Observables: GEF Model Code. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2016, vol. 131, pp. 107-221., Registrované v: WOS
57. [1.1] SCHMITT, C. - POMORSKI, K. - NERLO-POMORSKA, B. - BARTEL, J. Performance of the Fourier shape parametrization for the fission process. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 3, 034612., Registrované v: WOS
58. [1.1] SKOBELEV, N. K. Delayed fission of atomic nuclei (To the 50th anniversary of the discovery). In PHYSICS OF ATOMIC NUCLEI. ISSN 1063-7788, 2017, vol. 80, no. 5, pp. 858-866., Registrované v: WOS
59. [1.1] SWINTON-BLAND, B. M. A. - STOYER, M. A. - BERRIMAN, A. C. - HINDE, D. J. - SIMENEL, C. - BUETE, J. - TANAKA, T. - BANERJEE, K. - BEZZINA, L. T. - CARTER, I. P. - COOK, K. J. - DASGUPTA, M. - JEUNG, D. Y. - SENGUPTA, C. - SIMPSON, E. C. - VO-PHUOC, K. Mass-asymmetric fission of Bi-205(,)207(,)209 at energies close to the fission barrier using proton bombardment of Pb-204(,)206(,)208. In PHYSICAL REVIEW C. ISSN 2469-9985, 2020, vol. 102, no. 5, 054611., Registrované v: WOS
60. [1.1] TRIPATHI, R. - SODAYE, S. - SUDARSHAN, K. - NAYAK, B. K. - JHINGAN, A. - PUJARI, P. K. - MAHATA, K. - SANTRA, S. - SAXENA, A. - MIRGULE, E. T. - THOMAS, R. G. Fission fragment mass distributions in Cl-35+Sm-144,Sm-154 reactions. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 92, no. 2, 024610., Registrované v: WOS
61. [1.1] WANG, Zhiming - ZHU, Wenjie - ZHONG, Chunlai - FAN, Tieshuan. New calculations of five-dimensional fission barriers for actinide nuclei. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2019, vol. 989, pp. 81-96., Registrované v: WOS
62. [1.1] WARDA, M. - ZDEB, A. Fission fragment mass yield deduced from density distribution in the pre-scission configuration. In PHYSICA SCRIPTA. ISSN 0031-8949, 2015, vol. 90, no. 11, 114003., Registrované v: WOS

ADCA17 ANNUŠOVÁ, Adriana** - MARINOV, Daniil - BOOTH, Jean-Paul - SIRSE, Nishant - LINO DA SILVA, Mario - LOPEZ, Bruno - GUERRA, Vasco. Kinetics of highly vibrationally excited O-2(X) molecules in inductively-coupled oxygen plasmas. In *Plasma Sources Science and Technology*, 2018, vol. 27, no. 4, art. no. 045006, [30] p. (2017: 3.939 - IF, Q1 - JCR, 1.015 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 0963-0252. Dostupné na: <https://doi.org/10.1088/1361-6595/aab47d>

Ohlasy:

1. [1.1] CRISPIM, Lucas W. S. - HALLAK, Patricia H. - BENILOV, Mikhail S. - BALLESTER, Maikel Y. Modelling spark-plug discharge in dry air. In COMBUSTION AND FLAME. ISSN 0010-2180, 2018, vol. 198, pp. 81-88., Registrované v: WOS
2. [1.1] DIAS, Tiago C. - GUERRA, Vasco. Kinetic Monte Carlo simulations of plasma-chemistry. In PLASMA SOURCES SCIENCE & TECHNOLOGY. ISSN 0963-0252, 2020, vol. 29, no. 11, 115003., Registrované v: WOS

3. [1.1] GUERRA, Vasco - TEJERO-DEL-CAZ, Antonio - PINTASSILGO, Carlos D. - ALVES, Luis L. Modelling N-2-O-2 plasmas: volume and surface kinetics. In PLASMA SOURCES SCIENCE & TECHNOLOGY. ISSN 0963-0252, 2019, vol. 28, no. 7, 073001., Registrované v: WOS
4. [1.1] KHVATOV, N. A. - ZAGIDULLIN, M. - TOLSTOV, G. - MEDVEDKOV, I. A. - MEBEL, A. M. - HEAVEN, M. C. - AZYAZOV, V. N. Product channels of the reactions of O-2(b(1)Sigma(+)(g)). In CHEMICAL PHYSICS. ISSN 0301-0104, 2019, vol. 521, pp. 85-91., Registrované v: WOS
5. [1.1] KROPOTKIN, A. N. - VOLOSHIN, D. G. ICP argon discharge simulation: The role of ion inertia and additional RF bias. In PHYSICS OF PLASMAS. ISSN 1070-664X, 2020, vol. 27, no. 5., Registrované v: WOS
6. [1.1] MAKABE, Toshiaki. Current status and nature of high-frequency electronegative plasmas: basis for material processing in device manufacturing. In JAPANESE JOURNAL OF APPLIED PHYSICS. ISSN 0021-4922, 2019, vol. 58, no. 11, 110101., Registrované v: WOS
7. [1.1] PIETANZA, Lucia Daniela - COLONNA, Gianpiero - CAPITELLI, Mario. Dissociative Electron Attachment From Vibrationally Excited Molecules in Nanosecond Repetitively Pulsed CO Discharges and Afterglows. In FRONTIERS IN CHEMISTRY. ISSN 2296-2646, 2019, vol. 7, 163., Registrované v: WOS
8. [1.1] PIETANZA, L. D. - COLONNA, G. - CAPITELLI, M. Extended plateaux in the vibrational and electron distribution functions of O-2/O reacting plasmas in discharge and post-discharge conditions. In PHYSICS OF PLASMAS. ISSN 1070-664X, 2020, vol. 27, no. 9, 093510., Registrované v: WOS
9. [1.1] PIETANZA, L. D. - COLONNA, G. - CAPITELLI, M. Self-consistent electron energy distribution functions, vibrational distributions, electronic excited state kinetics in reacting microwave CO2 plasma: An advanced model. In PHYSICS OF PLASMAS. ISSN 1070-664X, 2020, vol. 27, no. 2, 023513., Registrované v: WOS
10. [1.1] VOLYNETS, A. V. - LOPAEV, D. - RAKHIMOVA, T. - PROSHINA, O. - CHUKALOVSKY, A. A. - BOOTH, J. P. Fast quenching of metastable O-2(a(1)Delta(g)) and O-2(b(1)sigma(+)(g)) molecules by O(P-3) atoms at high temperature. In PLASMA SOURCES SCIENCE & TECHNOLOGY. ISSN 0963-0252, 2020, vol. 29, no. 11, 115020., Registrované v: WOS
11. [1.1] ZAGIDULLIN, M. - KHVATOV, N. A. - MEDVEDKOV, I. A. - MEBEL, A. M. - HEAVEN, Michael C. - AZYAZOV, V. N. O-2(b(1)Sigma(+)(g)) removal by I-2 and NO at temperatures of 297-750 K. In CHEMICAL PHYSICS LETTERS. ISSN 0009-2614, 2019, vol. 735, UNSP 136774., Registrované v: WOS

ADCA18 ANTLANGER, Moritz - KAHL, Gerhard - MAZARS, Martial - ŠAMAJ, Ladislav - TRIZAC, Emmanuel. The asymmetric Wigner bilayer. In *Journal of Chemical Physics*, 2018, vol. 149, no. 24, p. 244904. (2017: 2.843 - IF, Q2 - JCR, 1.252 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 0021-9606. Dostupné na: <https://doi.org/10.1063/1.5053651>

Ohlasy:

1. [1.1] MAZARS, Martial - SALAZAR, Robert. Topological defects in

the two-dimensional melting. In EPL. ISSN 0295-5075, 2019, vol. 126, no. 5, 56002., Registrované v: WOS

- ADCA19 ANTLANGER, M. - KAHL, G. - MAZARS, M. - ŠAMAJ, Ladislav - TRIZAC, E. Rich polymorphic behavior of Wigner bilayers. In *Physical Review Letters*, 2016, vol. 117, no. 11, 118002. (2015: 7.645 - IF, Q1 - JCR, 4.656 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.117.118002>
Ohlasy:
1. [1.1] BETERMIN, Laurent - PETRACHE, Mircea. Dimension reduction techniques for the minimization of theta functions on lattices. In *JOURNAL OF MATHEMATICAL PHYSICS*. ISSN 0022-2488, 2017, vol. 58, no. 7, 071902., Registrované v: WOS
 2. [1.1] BETERMIN, Laurent - KNUEPFER, Hans. On Born's Conjecture about Optimal Distribution of Charges for an Infinite Ionic Crystal. In *JOURNAL OF NONLINEAR SCIENCE*. ISSN 0938-8974, 2018, vol. 28, no. 5, pp. 1629-1656., Registrované v: WOS
 3. [1.1] BETERMIN, Laurent. Local variational study of 2D lattice energies and application to Lennard-Jones type interactions. In *NONLINEARITY*. ISSN 0951-7715, 2018, vol. 31, no. 9, pp. 3973-4005., Registrované v: WOS
 4. [1.2] CHEN, Xu - CHEN, Er Qiang - YANG, Shuang. Multivalent counterions induced attraction between DNA polyelectrolytes. In *RSC Advances*, 2020, vol. 10, no. 4, pp. 1890-1900., Registrované v: SCOPUS
 5. [1.2] ZAMPETAKI, A. V. - HUANG, H. - DU, C. R. - LÖWEN, H. - IVLEV, A. V. Buckling of two-dimensional plasma crystals with nonreciprocal interactions. In *Physical Review E*. ISSN 24700045, 2020, vol. 102, no. 4, 043204., Registrované v: SCOPUS

- ADCA20 ANTLANGER, M. - MAZARS, M. - ŠAMAJ, Ladislav - KAHL, G. - TRIZAC, E. Taking one charge off a two-dimensional Wigner crystal. In *Molecular Physics*, 2014, vol. 112, no. 9-10, p. 1336-1349. (2013: 1.642 - IF, Q3 - JCR, 0.678 - SJR, Q2 - SJR, Current Contents - CCC). (2014 - Current Contents). ISSN 0026-8976. Dostupné na: <https://doi.org/10.1080/00268976.2014.901569>
Ohlasy:
1. [1.1] SALAZAR, R. - TELLEZ, G. Exact mean-energy expansion of Ginibre's gas for coupling constants $\Gamma=2 \times (\text{odd integer})$. In *PHYSICAL REVIEW E*. ISSN 2470-0045, 2017, vol. 96, no. 6, 062145., Registrované v: WOS

- ADCA21 ANWARZAI, B. - AC, V. - LUBY, Štefan - MAJKOVÁ, Eva - SENDERÁK, Rudolf. Pseudo spin-valve on plastic substrate as sensing elements of mechanical strain. In *Vacuum*, 2009, vol. 84, no. 1, p. 108-110. (2008: 1.114 - IF, Q3 - JCR, 0.566 - SJR, Q2 - SJR, Current Contents - CCC). (2009 - Current Contents). ISSN 0042-207X. Dostupné na: <https://doi.org/10.1016/j.vacuum.2009.04.070>
Ohlasy:
1. [1.1] GRYCHANOVSKA, T. M. - KHOLOD, T. S. - HRYCHANOVSKA, O. A. - TSYGANKOVA, L. A. Effect of Annealing on Structural-phase State and Three-layered Film Magnetoresistance Systems Based on Ni and V as well as Ni and Au or Ag. In *JOURNAL OF NANO- AND*

ELECTRONIC PHYSICS. ISSN 2077-6772, 2016, vol. 8, no. 1, 01018.,
Registrované v: WOS

2. [1.1] MATSUMOTO, H. - OTA, S. - ANDO, A. - CHIBA, D. A flexible exchange-biased spin valve for sensing strain direction. In APPLIED PHYSICS LETTERS. ISSN 0003-6951, 2019, vol. 114, no. 13, 132401.,
Registrované v: WOS

3. [1.1] MELZER, M. - MAKAROV, D. - SCHMIDT, O. G. A review on stretchable magnetic field sensorics. In JOURNAL OF PHYSICS D-APPLIED PHYSICS. ISSN 0022-3727, 2020, vol. 53, no. 8, 083002.,
Registrované v: WOS

4. [1.1] OTA, Shinya - ANDO, Akira - CHIBA, Daichi. A flexible giant magnetoresistive device for sensing strain direction. In NATURE ELECTRONICS. ISSN 2520-1131, 2018, vol. 1, no. 2, pp. 124-129.,
Registrované v: WOS

5. [1.1] OTA, Shinya - HIRAI, Takamasa - OCHI, Koki - NAMAZU, Takahiro - INA, Toshiaki - KOYAMA, Tomohiro - CHIBA, Daichi. Extended x-ray absorption fine structure spectroscopy of stretched magnetic films on flexible substrate. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2020, vol. 127, no. 17., Registrované v: WOS

6. [1.1] OTA, S. - ANDO, A. - SEKITANI, T. - KOYAMA, T. - CHIBA, D. Flexible CoFeB/MgO-based magnetic tunnel junctions annealed at high temperature (≥ 350 degrees C). In APPLIED PHYSICS LETTERS. ISSN 0003-6951, 2019, vol. 115, no. 20, 202401., Registrované v: WOS

7. [1.1] PROTSENKO, S.I. et al. Future strain properties of multilayer film materials. In SPRINGER PROCEEDINGS IN PHYSICS, 2015, vol. 156, p. 345-374., Registrované v: WOS

8. [1.1] SEKIRIN, Igor - IGNAKHIN, Vladimir. Sensors of Mechanical Stresses and Deformations Based on Magnetic Phenomena. In PROCEEDINGS OF THE 2020 27TH CONFERENCE OF OPEN INNOVATIONS ASSOCIATION (FRUCT). ISSN 2305-7254, 2020, vol., no., pp. 207-213.,
Registrované v: WOS

ADCA22 ANZOLINI, C. - ANGEL, R.J. - MERLINI, M. - DERZSI, M. - TOKÁR, Kamil - MILANI, S. - KREBS, M.Y. - BRENNER, F.E. - NESTOLA, F. - HARRIS, J.W. Depth of formation of CaSiO₃-walsbyite included in super-deep diamonds. In *Lithos*, 2016, vol. 265, p. 138-147. (2015: 3.723 - IF, Q1 - JCR, 2.906 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0024-4937.

Ohlasy:

1. [1.1] BOULARD, Eglantine - LIU, Yijin - KOH, Ai L. - REAGAN, Mary M. - STODOLNA, Julien - MORARD, Guillaume - MEZOUAR, Mohamed - MAO, Wendy L. Transformations and Decomposition of MnCO₃ at Earth's Lower Mantle Conditions. In FRONTIERS IN EARTH SCIENCE. ISSN 2296-6463, 2016, vol. 4, UNSP 107., Registrované v: WOS

2. [1.1] BULATOV, V. K. - GIRNIS, A. V. - BREY, G. P. - WOODLAND, A. B. - HOEFER, H. E. Ferropericlasite crystallization under upper mantle conditions. In CONTRIBUTIONS TO MINERALOGY AND PETROLOGY. ISSN 0010-7999, 2019, vol. 174, no. 5, 45., Registrované v: WOS

3. [1.1] BURNHAM, A. D. - BULANOVA, G. P. - SMITH, C. B. - WHITEHEAD, S. C. - KOHN, S. C. - GOBBO, L. - WALTER, M. J. Diamonds

from the Machado River alluvial deposit, Rondonia, Brazil, derived from both lithospheric and sublithospheric mantle. In LITHOS. ISSN 0024-4937, 2016, vol. 265, pp. 199-213., Registrované v: WOS

4. [1.1] DE PAUW, Ella - TACK, Pieter - LINDNER, Miles - ASHAUER, Antonia - GARREVOET, Jan - VEKEMANS, Bart - FALKENBERG, Gerald - BRENNER, Frank E. - VINCZE, Laszlo. Highly Sensitive Nondestructive Rare Earth Element Detection by Means of Wavelength-Dispersive X-ray Fluorescence Spectroscopy Enabled by an Energy Dispersive pn-Charge-Coupled-Device Detector. In ANALYTICAL CHEMISTRY. ISSN 0003-2700, 2020, vol. 92, no. 1, pp. 1106-1113., Registrované v: WOS

5. [1.1] GU, Tingting - WANG, Wuyi. Optical defects in milky type IaB diamonds. In DIAMOND AND RELATED MATERIALS. ISSN 0925-9635, 2018, vol. 89, pp. 322-329., Registrované v: WOS

6. [1.1] KAMINSKY, Felix V. Ultramafic Lower-Mantle Mineral Association. In EARTH'S LOWER MANTLE: COMPOSITION AND STRUCTURE. ISSN 2197-9545, 2017, pp. 47-160., Registrované v: WOS

7. [1.1] KRZATALA, Arkadiusz - KRUEGER, Biljana - GALUSKINA, Irina - VAPNIK, Yevgeny - GALUSKIN, Evgeny. Walstromite, BaCa₂(Si₃O₉), from Rankinite Paralava within Gehlenite Hornfels of the Hatrurim Basin, Negev Desert, Israel. In MINERALS, 2020, vol. 10, no. 5, 407., Registrované v: WOS

8. [1.1] LIAN, Dongyang - YANG, Jingsui - WIEDENBECK, Michael - DILEK, Yildirim - ROCHOLL, Alexander - WU, Weiwei. Carbon and nitrogen isotope, and mineral inclusion studies on the diamonds from the Pozanti-Karsanti chromitite, Turkey. In CONTRIBUTIONS TO MINERALOGY AND PETROLOGY. ISSN 0010-7999, 2018, vol. 173, no. 9, 72., Registrované v: WOS

9. [1.1] LIAN, Dongyang - YANG, Jingsui. Ophiolite-Hosted Diamond: A New Window for Probing Carbon Cycling in the Deep Mantle. In ENGINEERING. ISSN 2095-8099, 2019, vol. 5, no. 3, pp. 406-420., Registrované v: WOS

10. [1.1] MERLINI, Marco - CERANTOLA, Valerio - GATTA, G. Diego - GEMMI, Mauro - HANFLAND, Michael - KUPENKO, Ilya - LOTTI, Paolo - MUELLER, Harald - ZHANG, Li. Dolomite-IV: Candidate structure for a carbonate in the Earth's lower mantle. In AMERICAN MINERALOGIST. ISSN 0003-004X, 2017, vol. 102, no. 8, pp. 1763-1766., Registrované v: WOS

11. [1.1] MOORE, Andy E. - HELMSTAEDT, Herwart. Evidence for two blue (type IIb) diamond populations. In NATURE. ISSN 0028-0836, 2019, vol. 570, no. 7760, pp. E26-E27., Registrované v: WOS

12. [1.1] NEMETH, Peter - LEINENWEBER, Kurt - OHFUJI, Hiroaki - GROY, Thomas - DOMANIK, Kenneth J. - KOVACS, Istvan J. - KOVACS, Judit S. - BUSECK, Peter R. Water-bearing, high-pressure Ca-silicates. In EARTH AND PLANETARY SCIENCE LETTERS. ISSN 0012-821X, 2017, vol. 469, pp. 148-155., Registrované v: WOS

13. [1.1] NESTOLA, Fabrizio. Inclusions in super-deep diamonds: windows on the very deep Earth. In RENDICONTI LINCEI-SCIENZE FISICHE E NATURALI. ISSN 2037-4631, 2017, vol. 28, no. 4, pp. 595-604., Registrované v: WOS

14. [1.1] NESTOLA, Fabrizio. The role of elastic anisotropy in determining the depth of formation for diamonds and their inclusions. In

RENDICONTI LINCEI-SCIENZE FISICHE E NATURALI. ISSN 2037-4631, 2020, vol. 31, no. 2, pp. 285-293., Registrované v: WOS

15. [1.1] ONO, Shigeaki - KIKEGAWA, Takumi - HIGO, Yuji - TANGE, Yoshinori. Precise determination of the phase boundary between coesite and stishovite in SiO₂. In PHYSICS OF THE EARTH AND PLANETARY INTERIORS. ISSN 0031-9201, 2017, vol. 264, pp. 1-6., Registrované v: WOS

16. [1.1] SAGATOVA, Dinara - SHATSKIY, Anton - SAGATOV, Nursultan - GAVRYUSHKIN, Pavel N. - LITASOV, Konstantin D. Calcium orthocarbonate, Ca₂CO₄-Pnma: A potential host for subducting carbon in the transition zone and lower mantle. In LITHOS. ISSN 0024-4937, 2020, vol. 370, 105637., Registrované v: WOS

17. [1.1] SMITH, Evan M. - SHIREY, Steven B. - WANG, Wuyi. THE VERY DEEP ORIGIN OF THE WORLD'S BIGGEST DIAMONDS. In GEMS & GEMOLOGY. ISSN 0016-626X, 2017, vol. 53, no. 4, pp. 388-403., Registrované v: WOS

18. [1.1] TAPPE, Sebastian - STRACKE, Andreas - VAN ACKEN, David - STRAUSS, Harald - LUGUET, Ambre. Origins of kimberlites and carbonatites during continental collision Insights beyond decoupled Nd-Hf isotopes. In EARTH-SCIENCE REVIEWS. ISSN 0012-8252, 2020, vol. 208, 103287., Registrované v: WOS

19. [1.1] VON DER HEYDEN, Bjorn P. Shedding light on ore deposits: A review of synchrotron X-ray radiation use in ore geology research. In ORE GEOLOGY REVIEWS. ISSN 0169-1368, 2020, vol. 117, 103328., Registrované v: WOS

20. [1.1] WOODLAND, Alan B. - GIRNIS, Andrei - BULATOV, Vadim K. - BREY, Gerhard P. - HOEFER, Heidi E. Breyite inclusions in diamond: experimental evidence for possible dual origin. In EUROPEAN JOURNAL OF MINERALOGY. ISSN 0935-1221, 2020, vol. 32, no. 1, pp. 171-185., Registrované v: WOS

21. [1.1] ZEDGENIZOV, Dmitry - KAGI, Hirioyuki - OHTANI, Eiji - TSUJIMORI, Tatsuki - KOMATSU, Kazuki. Retrograde phases of former bridgmanite inclusions in superdeep diamonds. In LITHOS. ISSN 0024-4937, 2020, vol. 370, 105659., Registrované v: WOS

ADCA23 ASEEV, Pavel P. - MARRA, Pasquale - STAÑO, Peter - KLINOVAJA, Jelena - LOSS, Daniel. Degeneracy lifting of Majorana bound states due to electron-phonon interactions. In *Physical Review B*, 2019, vol. 99, no. 20, 205435. (2018: 3.736 - IF, Q1 - JCR, 1.502 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.99.205435>

Ohlasy:

1. [1.1] CONLON, A. - PELLEGRINO, D. - SLINGERLAND, J. K. - DOOLEY, S. - KELLS, G. Error generation and propagation in Majorana-based topological qubits. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 100, no. 13, 134307., Registrované v: WOS

2. [1.1] GAU, Matthias - EGGER, Reinhold - ZAZUNOV, Alex - GEFEN, Yuval. Towards dark space stabilization and manipulation in driven dissipative Majorana platforms. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 102, no. 13, 134501., Registrované v: WOS

3. [1.1] NULTY, S. - VALA, J. - MEIDAN, D. - KELLS, G.

Constrained thermalization and topological superconductivity. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 102, no. 5, 054508., Registrované v: WOS

4. [1.1] STENGER, John P. T. - MONG, Roger S. K. One-dimensional error-correcting code for Majorana qubits. In PHYSICAL REVIEW A. ISSN 2469-9926, 2020, vol. 101, no. 4, 042338., Registrované v: WOS

5. [1.1] TUTSCHKU, C. - REINTHALER, R. W. - LEI, C. - MACDONALD, A. H. - HANKIEWICZ, E. M. Majorana-based quantum computing in nanowire devices. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 102, no. 12, 125407., Registrované v: WOS

6. [1.1] XIE, Ai-Gen - PAN, Zheng - CHEN, Ya-Yi. Electron-lattice and electron-electron interactions and Debye temperature studied by temperature dependence of secondary electron emission from insulators. In RESULTS IN PHYSICS. ISSN 2211-3797, 2020, vol. 18, 103120., Registrované v: WOS

7. [1.1] ZHOU, Li-Ling - ZENG, Zhao-Yang - ZHOU, Xue-Yun - WANG, Yi-Gao. Antiresonance in the spin current through a quantum dot induced by electron-phonon interaction. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 102, no. 4, 045422., Registrované v: WOS

ADCA24 ASQARDOUST, Sh. - HANZAKI, Z.H.** - ABEDI, H.R. - KRAJŇÁK, Tomáš - MINÁRIK, P. Enhancing the strength and ductility in accumulative back extruded WE43 magnesium alloy through achieving bimodal grain size distribution and texture weakening. In *Materials Science and Engineering A*, 2017, vol. 698, p. 218-229. (2016: 3.094 - IF, Q1 - JCR, 1.669 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 0921-5093. Dostupné na: <https://doi.org/10.1016/j.msea.2017.04.098>

Ohlasy:

1. [1.1] AZIMI, Majid - MIRJAVADI, Seyed Sajad - SALANDARI-RABORI, Adib. Effect of temperature on microstructural evolution and subsequent enhancement of mechanical properties in a backward extruded magnesium alloy. In INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY. ISSN 0268-3768, 2018, vol. 95, no. 9-12, pp. 3155-3166., Registrované v: WOS

2. [1.1] BAHMANI, Ahmad - ARTHANARI, Srinivasan - SHIN, Kwang Seon. Formulation of corrosion rate of magnesium alloys using microstructural parameters. In JOURNAL OF MAGNESIUM AND ALLOYS. ISSN 2213-9567, 2020, vol. 8, no. 1, pp. 134-149., Registrované v: WOS

3. [1.1] BRYLA, Krzysztof - KRYSTIAN, Maciej - HORKY, Jelena - MINGLER, Bernhard - MROCZKA, Krzysztof - KURTYKA, Pawel - LITYNSKA-DOBRZYNSKA, Lidia. Improvement of strength and ductility of an EZ magnesium alloy by applying two different ECAP concepts to processable initial states. In MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING. ISSN 0921-5093, 2018, vol. 737, pp. 318-327., Registrované v: WOS

4. [1.1] BRYLA, Krzysztof - MORGIEL, Jerzy - FARYNA, Marek - EDALATI, Kaveh - HORITA, Zenji. Effect of high-pressure torsion on grain refinement, strength enhancement and uniform ductility of EZ magnesium alloy. In MATERIALS LETTERS. ISSN 0167-577X, 2018, vol. 212, pp. 323-326., Registrované v: WOS

5. [1.1] BRYLA, Krzysztof. Microstructure and mechanical characterisation of ECAP-ed ZE41A alloy. In MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING. ISSN 0921-5093, 2020, vol. 772, 138750., Registrované v: WOS
6. [1.1] DONG, Beibei - ZHANG, Zhimin - CHE, Xin - YU, Jianmin - MENG, Mu - ZHANG, Jinlu. Microstructure, Texture Evolution, and Mechanical Properties of MDFed GWZ Alloy Containing LPSO Phases on the Condition of High and Low Temperature Cycle Deformation. In METALS, 2020, vol. 10, no. 1, 136., Registrované v: WOS
7. [1.1] DROZDENKO, Daria - YAMASAKI, Michiaki - MATHIS, Kristian - DOBRON, Patrik - LUKAC, Pavel - KIZU, Naoya - INOUE, Shin-ichi - KAWAMURA, Yoshihito. Optimization of mechanical properties of dilute Mg-Zn-Y alloys prepared by rapid solidification. In MATERIALS & DESIGN. ISSN 0264-1275, 2019, vol. 181, UNSP 107984., Registrované v: WOS
8. [1.1] GRYGUC, A. - SHAHA, S. K. - BEHRAVESH, S. B. - JAHED, H. - WELLS, M. - WILLIAMS, B. Improvement of Fatigue Properties of AZ31B Extruded Magnesium Alloy through Forging. In FRATTURA ED INTEGRITA STRUTTURALE. ISSN 1971-8993, 2020, no. 53, pp. 152-165., Registrované v: WOS
9. [1.1] JAFARI, H. - HEIDARI, E. - BARABI, A. - KHEIRABADI, M. Dashti. Effect of Phase Transformation During Long-Term Solution Treatment on Microstructure, Mechanical Properties, and Bio-corrosion Behavior of Mg-5Zn-1.5Y Cast Alloy. In ACTA METALLURGICA SINICA-ENGLISH LETTERS. ISSN 1006-7191, 2018, vol. 31, no. 6, pp. 561-574., Registrované v: WOS
10. [1.1] KANG, Yuehua - HUANG, Zhenghua - ZHAO, Hu - GAN, Chunlei - ZHOU, Nan - ZHENG, Kaihong - ZHANG, Jing - PAN, Fusheng - HUANG, J. C. - WANG, Shuncheng. Comparative Study of Hot Deformation Behavior and Microstructure Evolution of As-Cast and Extruded WE43 Magnesium Alloy. In METALS, 2020, vol. 10, no. 4, 429., Registrované v: WOS
11. [1.1] LI, Rongguang - FU, Guangyan - XU, Zeren - SU, Yong - HAO, Yongsheng. Effect of Dynamically Recrystallized Grains on Rare Earth Texture in Magnesium Alloy Extruded at High Temperature. In ADVANCED ENGINEERING MATERIALS. ISSN 1438-1656, 2018, vol. 20, no. 4, 1700818., Registrované v: WOS
12. [1.1] LI, Xinfeng - ZHANG, Jin - HOU, Dewen - LI, Qizhen. Compressive deformation and fracture behaviors of AZ31 magnesium alloys with equiaxed grains or bimodal grains. In MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING. ISSN 0921-5093, 2018, vol. 729, pp. 466-476., Registrované v: WOS
13. [1.1] MERSON, Dmitry - BRILEVSKY, Alexander - MYAGKIKH, Pavel - TARKOVA, Alexandra - PROKHORIKHIN, Alexei - KRETOV, Evgeny - FROLOVA, Tatiana - VINOGRADOV, Alexei. The Functional Properties of Mg-Zn-X Biodegradable Magnesium Alloys. In MATERIALS, 2020, vol. 13, no. 3, 544., Registrované v: WOS
14. [1.1] OZKAN, Ozan - SASMAZEL, Hilal Turkoglu - BISKIN, Erhan. Development of Electrospun WE43 Magnesium Alloy-Like Compound. In JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY. ISSN

- 1533-4880, 2020, vol. 20, no. 10, pp. 6354-6367., Registrované v: WOS
15. [1.1] SHAHSA, H. - ZAREI-HANZAKI, A. - BARABI, A. - CHO, J. H. - HAN, Sang-Ho. Dynamic dissolution and transformation of LPSO phase during thermomechanical processing of a GWZ magnesium alloy. In MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING. ISSN 0921-5093, 2019, vol. 754, pp. 85-98., Registrované v: WOS
16. [1.1] SOMEKAWA, Hidetoshi - SINGH, Alok. Superior room temperature ductility of magnesium dilute binary alloy via grain boundary sliding. In SCRIPTA MATERIALIA. ISSN 1359-6462, 2018, vol. 150, pp. 26-30., Registrované v: WOS
17. [1.1] VINOGRADOV, Alexei. Effect of severe plastic deformation on tensile and fatigue properties of fine-grained magnesium alloy ZK60. In JOURNAL OF MATERIALS RESEARCH. ISSN 0884-2914, 2017, vol. 32, no. 23, pp. 4362-4374., Registrované v: WOS
18. [1.1] XUN, Jian - LIN, Gaoyong - LIU, Huiqun - ZHAO, Siyu - CHEN, Jing - DAI, Xun - ZHANG, Ruiqian. Texture Evolution and Dynamic Recrystallization of Zr-1Sn-0.3Nb-0.3Fe-0.1Cr Alloy During Hot Rolling. In ACTA METALLURGICA SINICA-ENGLISH LETTERS. ISSN 1006-7191, 2020, vol. 33, no. 2, pp. 215-224., Registrované v: WOS
19. [1.1] ZHAO, Xi - LI, Shuchang - XUE, Yong - ZHANG, Zhimin. An Investigation on Microstructure, Texture and Mechanical Properties of AZ80 Mg Alloy Processed by Annular Channel Angular Extrusion. In MATERIALS, 2019, vol. 12, no. 6, 1001., Registrované v: WOS
20. [1.1] ZHAO, Xi - LI, Shuchang - ZHANG, Zhimin - GAO, Pengcheng - KAN, Shuailing - YAN, Fafa. Comparisons of microstructure homogeneity, texture and mechanical properties of AZ80 magnesium alloy fabricated by annular channel angular extrusion and backward extrusion. In JOURNAL OF MAGNESIUM AND ALLOYS. ISSN 2213-9567, 2020, vol. 8, no. 3, pp. 624-639., Registrované v: WOS

ADCA25 ATHANASOPOULOS, Stavros - SCHAUER, Franz - NÁDAŽDY, Vojtech - WEIß, Mareike - KAHLE, Frank-Julian - SCHERF, Ullrich - BÄSSLER, Heinz - KÖHLER, Anna**. What is the Binding Energy of a Charge Transfer State in an Organic Solar Cell? In *Advanced Energy Materials*, 2019, vol. 9, no. 24, art. no. 1900814. (2018: 24.884 - IF, Q1 - JCR, 8.900 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 1614-6832. Dostupné na: <https://doi.org/10.1002/aenm.201900814>

Ohlasy:

1. [1.1] BENATTO, L. - DE JESUS BASSI, M. - WOUK DE MENEZES, L. C. - ROMAN, L. S. - KOEHLER, M. Kinetic model for photoluminescence quenching by selective excitation of D/A blends: implications for charge separation in fullerene and non-fullerene organic solar cells. In JOURNAL OF MATERIALS CHEMISTRY C. ISSN 2050-7526, 2020, vol. 8, no. 26, pp. 8755-8769., Registrované v: WOS
2. [1.1] BOSCHETTO, Gabriele - KROMPIEC, Michal - SKYLARIS, Chris-Kriton. How Does Polymorphism Affect the Interfacial Charge-Transfer States in Organic Photovoltaics? In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2019, vol. 123, no. 42, pp. 25585-25595., Registrované v: WOS

3. [1.1] GULBINAS, V. CHARGE CARRIER MOBILITY DYNAMICS IN ORGANIC SEMICONDUCTORS AND SOLAR CELLS. In LITHUANIAN JOURNAL OF PHYSICS. ISSN 1648-8504, 2020, vol. 60, no. 1, pp. 1-25., Registrované v: WOS
4. [1.1] HOU, Licheng - LV, Jie - WOBLEN, Friso - LE CORRE, Vincent M. - TANG, Hua - SINGH, Ranbir - KIM, Min - WANG, Fufang - SUN, Haitao - CHEN, Wenjing - XIAO, Zhengguo - KUMAR, Manish - XU, Tongle - ZHANG, Weimin - MCCULLOCH, Iain - DUAN, Tainan - XIE, Huling - KOSTER, L. Jan Anton - LU, Shirong - KAN, Zhipeng. Effects of Fluorination on Fused Ring Electron Acceptor for Active Layer Morphology, Exciton Dissociation, and Charge Recombination in Organic Solar Cells. In ACS APPLIED MATERIALS & INTERFACES. ISSN 1944-8244, 2020, vol. 12, no. 50, pp. 56231-56239., Registrované v: WOS
5. [1.1] KAISER, W. - GAGLIARDI, A. Kinetic Monte Carlo Study of the Role of the Energetic Disorder on the Open-Circuit Voltage in Polymer/Fullerene Solar Cells. In JOURNAL OF PHYSICAL CHEMISTRY LETTERS. ISSN 1948-7185, 2019, vol. 10, no. 20, pp. 6097-6104., Registrované v: WOS
6. [1.1] KARKI, Akchheta - GILLET, Alexander J. - FRIEND, Richard H. - THUC-QUYEN NGUYEN. The Path to 20% Power Conversion Efficiencies in Nonfullerene Acceptor Organic Solar Cells. In ADVANCED ENERGY MATERIALS. ISSN 1614-6832, 2020, vol. 11, no. 15, 2003441., Registrované v: WOS
7. [1.1] LIRAZ, Dan - CHENG, Pei - YANG, Yang - TESSLER, Nir. Translating local binding energy to a device effective one. In SUSTAINABLE ENERGY & FUELS. ISSN 2398-4902, 2020, vol. 4, no. 2, pp. 760-771., Registrované v: WOS
8. [1.1] LIU, Yanfeng - ZHANG, Jianyun - ZHOU, Guanqing - LIU, Feng - ZHU, Xiaozhang - ZHANG, Fengling. Electric Field Facilitating Hole Transfer in Non-Fullerene Organic Solar Cells with a Negative HOMO Offset. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2020, vol. 124, no. 28, pp. 15132-15139., Registrované v: WOS
9. [1.1] LI, Chong - LI, Yuan - XU, Lingxia - MENG, Ruixuan - GAO, Kun. Exciton-to-Charge Dynamics Driven by the Nonuniform Polymer Packing at Donor/Acceptor Interfaces. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2020, vol. 124, no. 3, pp. 1898-1906., Registrované v: WOS
10. [1.1] LI, Yongxi - SHERIFF, Hafiz K. M. - LIU, Xiao - WANG, Chun-Kai - DING, Kan - HAN, Han - WONG, Ken-Tsung - FORREST, Stephen R. Vacuum-Deposited Binary Organic Photovoltaics. In JOURNAL OF THE AMERICAN CHEMICAL SOCIETY. ISSN 0002-7863, 2019, vol. 141, no. 45, pp. 18204-18210., Registrované v: WOS
11. [1.1] LV, Jie - FENG, Yu - FU, Jiehao - GAO, Jie - SINGH, Ranbir - KUMAR, Manish - KIM, Min - TANG, Hua - LU, Shirong - ZHANG, Weimin - MCCULLOCH, Iain - LI, Jianfeng - KAN, Zhipeng. Energetic Disorder and Activation Energy in Efficient Ternary Organic Solar Cells with Nonfullerene Acceptor Eh-IDTBR as the Third Component. In SOLAR RRL. ISSN 2367-198X, 2020, vol. 4, no. 3, 1900403., Registrované v: WOS
12. [1.1] PERDIGON-TORO, Lorena - ZHANG, Huotian - MARKINA, Anastasiya - YUAN, Jun - HOSSEINI, Seyed Mehrdad - WOLFF, Christian M. - ZUO, Guangzheng - STOLTERFOHT, Martin - ZOU, Yingping - GAO, Feng -

ANDRIENKO, Denis - SHOAEE, Safa - NEHER, Dieter. Barrierless Free Charge Generation in the High-Performance PM6:Y6 Bulk Heterojunction Non-Fullerene Solar Cell. In *ADVANCED MATERIALS*. ISSN 0935-9648, 2020, vol. 32, no. 9, 1906763., Registrované v: WOS

13. [1.1] UEDA, Yuuhi - NAKANOTANI, Hajime - HOSOKAI, Takuya - TANAKA, Yuya - HAMADA, Hokuto - ISHII, Hisao - SANTO, Shuhei - ADACHI, Chihaya. Role of Spontaneous Orientational Polarization in Organic Donor-Acceptor Blends for Exciton Binding. In *ADVANCED OPTICAL MATERIALS*. ISSN 2195-1071, 2020, vol. 8, no. 21, 2000896., Registrované v: WOS

ADCA26 AUGER, M.A. - VÁZQUEZ, L. - SÁNCHEZ, O. - JERGEL, Matej - CUERNO, R. - CASTRO, M. Growth dynamics of reactive-sputtering-deposited AlN films. In *Journal of Applied Physics*, 2005, vol. 97, no. 12, 123528. (2004: 2.255 - IF, Current Contents - CCC). (2005 - Current Contents). ISSN 0021-8979. Dostupné na: <https://doi.org/10.1063/1.1937467>

Ohlasy:

1. [1.1] ALISHAHI, M. - MAHBOUBI, F. - KHOIE, S. M. Mousavi - APARICIO, M. - LOPEZ-ELVIRA, E. - MENDEZ, J. - GAGO, R. Structural properties and corrosion resistance of tantalum nitride coatings produced by reactive DC magnetron sputtering. In *RSC ADVANCES*. ISSN 2046-2069, 2016, vol. 6, no. 92, pp. 89061-89072., Registrované v: WOS

2. [1.1] DAS, Soham - GUPTA, Mukul - SHARMA, Ashis - SWAIN, Bibhu P. Micro-structural and bonding structure analysis of TiAlN thin films deposited with varying N₂ flow rate via ion beam sputtering technique. In *MATERIALS SCIENCE-POLAND*. ISSN 2083-134X, 2020, vol. 38, no. 1, pp. 122-131., Registrované v: WOS

3. [1.1] DHILLON, Prabhjeet Kaur - SARKAR, Subhendu. Erosion dynamics of faceted pyramidal surfaces. In *CURRENT APPLIED PHYSICS*. ISSN 1567-1739, 2016, vol. 16, no. 9, pp. 956-962., Registrované v: WOS

4. [1.1] FU, Y. Q. - LUO, J. K. - NGUYEN, N. T. - et al. Advances in piezoelectric thin films for acoustic biosensors, acoustofluidics and lab-on-chip applications. In *PROGRESS IN MATERIALS SCIENCE*. ISSN 0079-6425, 2017, vol. 89, pp. 31-91., Registrované v: WOS

5. [1.1] HU, Chaoquan - LI, Yuankai - BI, Chaobin - et al. Surface roughening transition induced by phase transformation in hafnium nitride films. In *SURFACE & COATINGS TECHNOLOGY*. ISSN 0257-8972, 2017, vol. 320, pp. 414-420., Registrované v: WOS

6. [1.1] CHOWDHURY, Debasree - GHOSE, Debabrata. Super-roughening scaling behaviour of Si surface morphology at grazing incidence low energy ion beam sputtering. In *APPLIED SURFACE SCIENCE*. ISSN 0169-4332, 2015, vol. 324, pp. 517., Registrované v: WOS

7. [1.1] PRADHAN, Gobinda - DEY, Partha P. - SHARMA, Ashwini K. Growth dynamics of pulsed laser deposited WS₂ thin films on different substrates. In *APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING*. ISSN 0947-8396, 2020, vol. 126, no. 6, 475., Registrované v: WOS

8. [1.1] STACH, Sebastian - DALLAEVA, Dinara - TALU, Stefan - KASPAR, Pavel - TOMANEK, Pavel - GIOVANZANA, Stefano - GRMELA, Lubomir. Morphological features in aluminum nitride epilayers prepared by

magnetron sputtering. In MATERIALS SCIENCE-POLAND, 2015, vol. 33, no. 1, pp. 175., Registrované v: WOS

- ADCA27 AUGER, M.A. - VAZQUEZ, L. - CUERNO, R. - CASTRO, M. - JERGEL, Matej - SANCHEZ, O. Intrinsic anomalous surface roughening of TiN films deposited by reactive sputtering. In *Physical Review B*, 2006, vol. 73, no. 4, 045436. (2005: 3.185 - IF, Q1 - JCR, 2.126 - SJR, Q1 - SJR, Current Contents - CCC). (2006 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.73.045436>
- Ohlasy:
1. [1.1] ALES, Alejandro - LOPEZ, Juan M. Surface super-roughening driven by spatiotemporally correlated noise. In JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT. ISSN 1742-5468, 2020, vol. 2020, no. 3, 033210., Registrované v: WOS
 2. [1.1] BHOWMIK, Dipak - CHOWDHURY, Debasree - KARMAKAR, Prasanta. Dynamic scaling behavior of mica ripples produced by low energy Ar⁺ ion erosion. In SURFACE SCIENCE. ISSN 0039-6028, 2019, vol. 679, pp. 86-92., Registrované v: WOS
 3. [1.1] CREEDEN, Jason A. - MADARAS, Scott E. - BERINGER, Douglas B. - NOVIKOVA, Irina - LUKASZEWSKI, Rosa A. Intrinsic anomalous scaling of epitaxial vanadium dioxide thin films on titanium dioxide. In AIP ADVANCES, 2019, vol. 9, no. 9, 095045., Registrované v: WOS
 4. [1.1] DAS, Soham - GUPTA, Mukul - SHARMA, Ashis - SWAIN, Bibhu P. Micro-structural and bonding structure analysis of TiAlN thin films deposited with varying N₂ flow rate via ion beam sputtering technique. In MATERIALS SCIENCE-POLAND. ISSN 2083-134X, 2020, vol. 38, no. 1, pp. 122-131., Registrované v: WOS
 5. [1.1] DHILLON, Prabhjeet Kaur - SARKAR, Subhendu. Erosion dynamics of faceted pyramidal surfaces. In CURRENT APPLIED PHYSICS. ISSN 1567-1739, 2016, vol. 16, no. 9, pp. 956-962., Registrované v: WOS
 6. [1.1] FOADI, Farnaz - TEN BRINK, Gert H. - MOHAMMADIZADEH, Mohammad Reza - PALASANTZAS, George. Roughness dependent wettability of sputtered copper thin films: The effect of the local surface slope. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2019, vol. 125, no. 24, 244307., Registrované v: WOS
 7. [1.1] GUPTA, Indu - MOHANTY, Bhaskar Chandra. Dynamics of surface evolution in semiconductor thin films grown from a chemical bath. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2016, vol. 6, 33136., Registrované v: WOS
 8. [1.1] HU, Chaoquan - LI, Yuankai - BI, Chaobin - et al. Surface roughening transition induced by phase transformation in hafnium nitride films. In SURFACE & COATINGS TECHNOLOGY. ISSN 0257-8972, 2017, vol. 320, pp. 414-420., Registrované v: WOS
 9. [1.1] CHOWDHURY, Debasree - GHOSE, Debabrata. Super-roughening scaling behaviour of Si surface morphology at grazing incidence low energy ion beam sputtering. In APPLIED SURFACE SCIENCE. ISSN 0169-4332, 2015, vol. 324, pp. 517-524., Registrované v: WOS
 10. [1.1] MESHKOVA, A. S. - STAROSTIN, M. A. - VAN DE SANDEN, M. C. M. - DE VRIES, H. W. Variable roughness development in statically deposited SiO₂ thin films: a spatially resolved surface morphology

analysis. In JOURNAL OF PHYSICS D-APPLIED PHYSICS. ISSN 0022-3727, 2018, vol. 51, no. 28, 285303., Registrované v: WOS

11. [1.1] PODGURSKY, V. - BOGATOV, A. - YASHIN, M. - VILJUS, M. - BOLSHAKOV, A. P. - SEDOV, V. - VOLOBUJEVA, O. - MERE, A. - RAADIK, T. - RALCHENKO, V. A comparative study of the growth dynamics and tribological properties of nanocrystalline diamond films deposited on the (110) single crystal diamond and Si(100) substrates. In DIAMOND AND RELATED MATERIALS. ISSN 0925-9635, 2019, vol. 92, no., 159-167., Registrované v: WOS

12. [1.1] YANG, J. J. - ZHU, H. L. - WAN, Q. - PENG, M. J. - RAN, G. - TANG, J. - YANG, Y. Y. - LIAO, J. L. - LIU, N. Multi-scale characterization of surface blistering morphology of helium irradiated W thin films. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS. ISSN 0168-583X, 2015, vol. 358, pp. 124-130., Registrované v: WOS

ADCA28 AUGER, M.A. - VÁZQUEZ, L. - JERGEL, Matej - SÁNCHEZ, O. - ALBELLA, J.M. Structure and morphology evolution of ALN films grown by DC sputtering. In *Surface and Coatings Technology*, 2004, vol. 180, mAR, p.140-144. ISSN 0257-8972. Dostupné na: <https://doi.org/10.1016/j.surfcoat.2003.10.054>

Ohlasy:

1. [1.1] BALAKRISHAN, G. - KUMAR, A. Karthik - KANNAN, M. - MANIKANDAN, K. - KARTHIKEYAN, V - MUKESWARAN, B. - HARIKARAN, R. Microstructural and Nanomechanical Properties of Aluminium Nitride (AlN) Thin Films Deposited by RF Magnetron Sputtering. In ADVANCED SCIENCE LETTERS. ISSN 1936-6612, 2018, vol. 24, no. 8, pp. 5855-5858., Registrované v: WOS

2. [1.1] BESLEAGA, Cristina - DUMITRU, Viorel - TRINCA, Liliana Marinela - et al. Mechanical, Corrosion and Biological Properties of Room-Temperature Sputtered Aluminum Nitride Films with Dissimilar Nanostructure. In NANOMATERIALS. ISSN 2079-4991, 2017, vol. 7, no. 11, 394., Registrované v: WOS

3. [1.1] HU, Chaoquan - LI, Yuankai - BI, Chaobin - et al. Surface roughening transition induced by phase transformation in hafnium nitride films. In SURFACE & COATINGS TECHNOLOGY. ISSN 0257-8972, 2017, vol. 320, no., pp. 414-420., Registrované v: WOS

4. [1.1] CHAUHAN, Sandeep Singh - JOGLEKAR, M. M. - MANHAS, Sanjeev Kumar. Influence of Process Parameters and Formation of Highly c-Axis Oriented AlN Thin Films on Mo by Reactive Sputtering. In JOURNAL OF ELECTRONIC MATERIALS. ISSN 0361-5235, 2018, vol. 47, no. 12, pp. 7520-7530., Registrované v: WOS

5. [1.1] LIN, Jianliang - CHISTYAKOV, Roman. C-axis orientated AlN films deposited using deep oscillation magnetron sputtering. In APPLIED SURFACE SCIENCE. ISSN 0169-4332, 2017, vol. 396, pp. 129-137., Registrované v: WOS

6. [1.1] MASENDA, H. - NAIDOO, D. - BHARUTH-RAM, K. - GUNNLAUGSSON, H. P. - JOHNSTON, K. - MANTOVAN, R. - MOLHOLT, T. E. - NCUBE, M. - SHAYESTEHAMINZADEH, S. - GISLASON, H. P. - LANGOUCHE, G. - OLAFSSON, S. - WEYER, G. Lattice sites, charge states and spin-lattice relaxation of Fe ions in Mn-57(+) implanted GaN and AlN. In

JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2016, vol. 401, pp. 1130-1138., Registrované v: WOS

7. [1.1] MAZUR, Mauricio Marlon - PIANARO, Sidnei Antonio - PORTELLA, Kleber Franke - MENGARDA, Priscilla - GAIVAO PORTELLA BRAGANCA, Mariana D'Ágostini - RIBEIRO JUNIOR, Sebastião - SANTOS DE MELO, José Sérgio - CERQUEIRA, Dailton Pedreira. Deposition and characterization of AlN thin films on ceramic electric insulators using pulsed DC magnetron sputtering. In SURFACE & COATINGS TECHNOLOGY. ISSN 0257-8972, 2015, vol. 284, pp. 247-251., Registrované v: WOS

8. [1.1] PIALAGO, Edward Joshua T. - KWON, Oh Kyung - KIM, Min-Soo - PARK, Chan Woo. Ternary Cu-CNT-AlN composite coatings consolidated by cold spray deposition of mechanically alloyed powders. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2015, vol. 650, pp. 199-209., Registrované v: WOS

9. [1.1] STACH, Sebastian - DALLAEVA, Dinara - TALU, Stefan - KASPAR, Pavel - TOMANEK, Pavel - GIOVANZANA, Stefano - GRMELA, Lubomir. Morphological features in aluminum nitride epilayers prepared by magnetron sputtering. In MATERIALS SCIENCE-POLAND, 2015, vol. 33, no. 1, pp. 175-184., Registrované v: WOS

10. [1.1] TAVSANOGU, T. Synthesis of c-axis oriented AlN thin films at room temperature. In SURFACE ENGINEERING. ISSN 0267-0844, 2017, vol. 33, no. 4, pp. 249-254., Registrované v: WOS

11. [1.1] ZENG, Wenhui - BUCKNER, Steven W. - JELLISS, Paul A. Poly(methyl methacrylate) as an Environmentally Responsive Capping Material for Aluminum Nanoparticles. In ACS OMEGA. ISSN 2470-1343, 2017, vol. 2, no. 5, pp. 2034-2040., Registrované v: WOS

12. [1.1] ZHU, Yunnong - WANG, Wenliang - YANG, Weijia - WANG, Haiyan - GAO, Junning - LI, Guoqiang. Nucleation mechanism for epitaxial growth of aluminum films on sapphire substrates by molecular beam epitaxy. In MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING. ISSN 1369-8001, 2016, vol. 54, pp. 70-76., Registrované v: WOS

ADCA29 AUGER, M.A. - SANCHEZ, O. - BALLESTEROS, C. - JERTEL, Matej - AGUILAR-FRUTIS, M. - FALCONY, C. TiN/AlN bilayers and multilayers grown by magnetron co-sputtering. In *Thin Solid Films*, 2003, vol. 433, no. 1-2, p. 211-216. ISSN 0040-6090.

Ohlasy:

1. [1.1] TALLEDO, A. et al. In JOURNAL MATERIALS SCIENCE AND ENGINEERING A, 2015, vol. 5, p. 257-268, Registrované v: WOS

ADCA30 AVERBECK, R. - DOPPENSCHMIDT, A. - APPENHEIMER, M. - CHARBONNIER, Y. - DIAZ, J. - HEJNY, V. - HLAVÁČ, Stanislav - HOLZMANN, R. - KUGLER, A. - LEFEVRE, F. - LOHNER, H. - MARIN, A. Production of $\pi(0)$ and eta mesons in carbon-induced relativistic heavy-ion collisions. In *Zeitschrift für Physik A. Hadrons and nuclei*, 1997, vol. 359, p. 65-73. (1996: 1.379 - IF). ISSN 0939-7922.

Ohlasy:

1. [1.1] BASS, Steven D. - MOSKAL, Paweł. eta' INTERACTIONS WITH NUCLEONS AND NUCLEI. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2016, vol. 47, no. 2, pp. 373-384., Registrované v: WOS

ADCA31 AYISSI, S. - PALOTÁS, Krisztián - QIN, H. - YANG, L. - CHARPENTIER, P.A. Nanostructural adsorption of vanadium oxide on functionalized graphene: a DFT study. In *Physical Chemistry Chemical Physics*, 2016, vol. 18, no. 42, p. 29208-29217. (2015: 4.449 - IF, Q1 - JCR, 1.725 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 1463-9076. Dostupné na: <https://doi.org/10.1039/c6cp03967g>

Ohlasy:

1. [1.1] JIANG, Zhen - KLYUKIN, Konstantin - ALEXANDROV, Vitaly. First-principles study of adsorption-desorption kinetics of aqueous V²⁺/V³⁺ redox species on graphite in a vanadium redox flow battery. In *PHYSICAL CHEMISTRY CHEMICAL PHYSICS*. ISSN 1463-9076, 2017, vol. 19, no. 23, pp. 14897-14901., Registrované v: WOS
2. [1.1] LANGROUDI, Mohadeseh Meskinfam - POMELLI, Christian Silvio - GIGLIOLI, Romano - CHIAPPE, Cinzia - COSTA DE OLIVEIRA, Maida Aysla - MECHERI, Barbara - LICOCCIA, Silvia - D'EPIFANIO, Alessandra. Interaction of vanadium species with a functionalized graphite electrode: A combined theoretical and experimental study for flow battery applications. In *JOURNAL OF POWER SOURCES*. ISSN 0378-7753, 2019, vol. 420, pp. 134-142., Registrované v: WOS
3. [1.1] SUN, Zhongyu - ZHANG, Lei - DANG, Feng - LIU, Yao - FEI, Zhiying - SHAO, Qian - LIN, Hong - GUO, Jiang - XIANG, Lichen - YERRA, Narendranath - GUO, Zhanhu. Experimental and simulation-based understanding of morphology controlled barium titanate nanoparticles under co-adsorption of surfactants. In *CRYSTENGCOMM*. ISSN 1466-8033, 2017, vol. 19, no. 24, pp. 3288-3298., Registrované v: WOS
4. [1.1] ZHANG, Miao - YANG, Yang - ZHANG, Xinghua - CHENG, Meng - YUAN, Hongxin - AMIN, Kamran - AHMAD, Aziz - MAO, Lijuan - YAN, Wei - WEI, Zhixiang. Flexible VO_x Nanosphere@SWCNT Hybrid Films with Dual-Confinement Function of Polysulfides for High-Performance Lithium-Sulfur Batteries. In *ADVANCED MATERIALS INTERFACES*. ISSN 2196-7350, 2018, vol. 5, no. 18, 1800766., Registrované v: WOS

ADCA32 AZIMI-ROEEN, Ghasem** - KASHANI-BOZORG, Seyed Farshid - NOSKO, Martin** - NAGY, Štefan** - MAŤKO, Igor**. Formation of Al/(Al₁₃Fe₄ + Al₂O₃) Nano-composites via Mechanical Alloying and Friction Stir Processing. In *Journal of Materials Engineering and Performance*, 2018, vol. 27, no. 2, p. 471-482. (2017: 1.340 - IF, Q3 - JCR, 0.611 - SJR, Q2 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 1059-9495. Dostupné na: <https://doi.org/10.1007/s11665-018-3170-8>

Ohlasy:

1. [1.1] BAJAKKE, Padmakumar A. - MALIK, Vinayak R. - DESHPANDE, Anand S. Particulate metal matrix composites and their fabrication via friction stir processing a review. In *MATERIALS AND MANUFACTURING PROCESSES*. ISSN 1042-6914, 2019, vol. 34, no. 8, pp. 833-881., Registrované v: WOS
2. [1.1] CHEN, Chin-Fu - HUANG, Chang-Ning - KAO, Po-We. Nanometer-sized delta*-Al₂O₃-reinforced aluminum composites using the friction stir process: A TEM study. In *MATERIALS CHARACTERIZATION*. ISSN 1044-5803, 2020, vol. 170, 110704., Registrované v: WOS

3. [1.1] STAWIARZ, Michel - KURTYKA, Pawel - RYLKO, Natalia - GLUZMAN, Simon. INFLUENCE OF FSP PROCESS MODIFICATION ON SELECTED PROPERTIES OF Al-Si-Cu/SiCp COMPOSITE SURFACE LAYER. In COMPOSITES THEORY AND PRACTICE. ISSN 2084-6096, 2019, vol. 19, no. 4, pp. 161-168., Registrované v: WOS
4. [1.1] ZHENG, Jingwu - ZHENG, Haida - LEI, Jian - QIAO, Liang - YING, Yao - CAI, Wei - LI, Wangchang - YU, Jing - LIU, Youhao - HUANG, Xiulian - CHE, Shenglei. Structure and magnetic properties of Fe-based soft magnetic composites with an Li-Al-O insulation layer obtained by hydrothermal synthesis. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2020, vol. 816, 152617., Registrované v: WOS
5. [1.1] ZYKOVA, Anna P. - TARASOV, Sergei Yu - CHUMAEVSKIY, Andrey - KOLUBAEV, Evgeniy A. A Review of Friction Stir Processing of Structural Metallic Materials: Process, Properties, and Methods. In METALS, 2020, vol. 10, no. 6, 772., Registrované v: WOS
6. [1.1] ZYKOVA, Anna - CHUMAEVSKII, Andrey - GUSAROVA, Anastasia - KALASHNIKOVA, Tatiana - FORTUNA, Sergei - SAVCHENKO, Nikolai - KOLUBAEV, Evgeny - TARASOV, Sergei. Microstructure of In-Situ Friction Stir Processed Al-Cu Transition Zone. In METALS, 2020, vol. 10, no. 6, 818., Registrované v: WOS
7. [1.2] ABU-OKAIL, Mohamed - ABDELRAOUF, Yasmin A. - ELSAYED, Eyd M. - ABU-OQAIL, Ahmed - FAROUK, W. M. Mechanical, microstructural and electrical evaluation of reinforced AA5083 with nano-ceramic powders of silicon dioxide $\text{SiO}_2/\text{SiO}_3$ for naval structures. In Journal of Alloys and Compounds. ISSN 09258388, 2020-11-25, 842, pp. Dostupné na: <https://doi.org/10.1016/j.jallcom.2020.155907>., Registrované v: SCOPUS
8. [1.2] MOOSA, Majed H. - ABDELRAOUF, Yasmin A. - FAROUK, W. M. - ELSAYED, Eyd M. - SHEWAKH, W. M. - ABU-OQAIL, Ahmed - EL-FATTAH, Hanan A. Abd - ABU-OKAIL, Mohamed. Improvement of mechanical properties of AA5083 in shipbuilding applications by adding nano ceramic powders of silicon dioxide $\text{SiO}_2/\text{SiO}_3$ via friction stir processing technique. In CIRP Journal of Manufacturing Science and Technology. ISSN 17555817, 2020-01-01, pp. Dostupné na: <https://doi.org/10.1016/j.cirpj.2020.05.007>., Registrované v: SCOPUS
9. [1.2] PATIL, Namdev A. - PEDAPATI, Srinivasa Rao - MAMAT, Othman Bin. A review on aluminium hybrid surface composite fabrication using Friction Stir Processing. In Archives of Metallurgy and Materials. ISSN 17333490, 2020-01-01, 65, 1, pp. 441-457. Dostupné na: <https://doi.org/10.24425/amm.2020.131747>., Registrované v: SCOPUS
10. [1.2] ZYKOVA, Anna P. - GUSAROVA, Anastasija V. - CHUMAEVSKIY, Andrey V. - KALASHNIKOV, Kiril N. Characterization of Al-Cu surface composite in-situ fabricated by friction stir processing. In AIP Conference Proceedings. ISSN 0094243X, 2020-12-14, 2310, pp. Dostupné na: <https://doi.org/10.1063/5.0034132>., Registrované v: SCOPUS

ADCA33 AZIMI-ROEEN, Ghasem - KASHANI-BOZORG, Seyed Farshid - NOSKO, Martin - NAGY, Stefan - MATKO, Igor. Formation of $\text{Al}/(\text{Al}_{13}\text{Fe}_4 + \text{Al}_2\text{O}_3)$ Nano-composites via Mechanical Alloying and Friction Stir Processing : (vol 27, pg 471, 2018). In *Journal of Materials Engineering and Performance*, 2018, vol. 27,

no. 12, p. 6800. (2017: 1.340 - IF, Q3 - JCR, 0.611 - SJR, Q2 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 1059-9495. Dostupné na: <https://doi.org/10.1007/s11665-018-3759-y>

Ohlasy:

1. [1.1] ZYKOVA, Anna P. - GUSAROVA, Anastasija - CHUMAIEVSKIY, Andrey - KALASHNIKOV, Kiril N. Characterization of Al-Cu Surface Composite In-Situ Fabricated by Friction Stir Processing. In PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON PHYSICAL MESOMECHANICS. MATERIALS WITH MULTILEVEL HIERARCHICAL STRUCTURE AND INTELLIGENT MANUFACTURING TECHNOLOGY. ISSN 0094-243X, 2020, vol. 2310, no., pp. Dostupné na: <https://doi.org/10.1063/5.0034132>., Registrované v: WOS
2. [1.1] ZYKOVA, Anna P. - TARASOV, Sergei Yu - CHUMAIEVSKIY, Andrey - KOLUBAEV, Evgeniy A. A Review of Friction Stir Processing of Structural Metallic Materials: Process, Properties, and Methods. In METALS, 2020, vol. 10, no. 6, pp. Dostupné na: <https://doi.org/10.3390/met10060772>., Registrované v: WOS
3. [1.1] ZYKOVA, Anna - CHUMAIEVSKII, Andrey - GUSAROVA, Anastasia - KALASHNIKOVA, Tatiana - FORTUNA, Sergei - SAVCHENKO, Nickolai - KOLUBAEV, Evgeny - TARASOV, Sergei. Microstructure of In-Situ Friction Stir Processed Al-Cu Transition Zone. In METALS, 2020, vol. 10, no. 6, pp. Dostupné na: <https://doi.org/10.3390/met10060818>., Registrované v: WOS

ADCA34 AZIMI-ROEEN, Ghasem - KASHANI-BOZORG, Seyed Farshid - NOSKO, Martin - ŠVEC, Peter. Reactive mechanism and mechanical properties of in-situ hybrid nano-composites fabricated from an Al-Fe₂O₃ system by friction stir processing. In *Materials Characterization*, 2017, vol. 127, p. 279-287. (2016: 2.714 - IF, Q1 - JCR, 1.222 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 1044-5803. Dostupné na: <https://doi.org/10.1016/j.matchar.2017.03.007>

Ohlasy:

1. [1.1] AZARNIYA, Amir - AZARNIYA, Abolfazl - ABDOLLAH-ZADEH, Amir - HOSSEINI, Hamid Reza Madaah - RAMAKRISHNA, Seeram. In Situ Hybrid Aluminum Matrix Composites: A Review of Phase Transformations and Mechanical Aspects. In ADVANCED ENGINEERING MATERIALS. ISSN 1438-1656, 2019, vol. 21, no. 7, 1801269., Registrované v: WOS
2. [1.1] AZIZIEH, Mahdi - MAZAHARI, Mojtaba - BALAK, Zohre - KAFASHAN, Hosein - KIM, Hyoung Seop. Fabrication of Mg/Al₁₂Mg₁₇ in-situ surface nanocomposite via friction stir processing. In MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING. ISSN 0921-5093, 2018, vol. 712, no., pp. 655-662., Registrované v: WOS
3. [1.1] AZIZIEH, M. - DEZFULI, M. A. G. - BALAK, Z. - KIM, H. S. A novel approach for producing in situ Al-Al₂Cu composite via friction stir processing. In MATERIALS RESEARCH EXPRESS. ISSN 2053-1591, 2019, vol. 6, no. 3, 036528., Registrované v: WOS
4. [1.1] AZIZIEH, M. - POURMODHEJI, R. - LARKI, A. N. - DEZFULI, M. A. G. - REZAEI, A. - KIM, H. S. Effect of multi-pass friction stir processing on the microstructure and hardness of AA100/Al₁₃Fe₄ in situ

- composites. In MATERIALS RESEARCH EXPRESS. ISSN 2053-1591, 2019, vol. 6, no. 4, 046558., Registrované v: WOS
5. [1.1] FOTOOHI, Hamed - LOTFI, Behnam - SADEGHIAN, Zohreh - BYEON, Jai-won. Microstructural characterization and properties of in situ Al-Al₃Ni/TiC hybrid composite fabricated by friction stir processing using reactive powder. In MATERIALS CHARACTERIZATION. ISSN 1044-5803, 2019, vol. 149, pp. 124-132., Registrované v: WOS
6. [1.1] GUSAROVA, Anastasia - CHUMAEVSKII, Andrey - OSIPOVICH, Ksenia - KALASHNIKOVA, Tatiana - KALASHNIKOV, Kirill. Patterns of Structure Formation in Materials obtained by Hybrid Additive-Thermomechanical Method. In OBRABOTKA METALLOV-METAL WORKING AND MATERIAL SCIENCE. ISSN 1994-6309, 2020, vol. 22, no. 1, pp. 114-135., Registrované v: WOS
7. [1.1] GUSAROVA, A. V. - CHUMAEVSKII, A. V. - ZYKOVA, A. P. - GUR'YANOV, D. A. - KALASHNIKOV, K. N. - KALASHNIKOVA, T. A. Features of Forming a Structure of the Copper-Zinc Alloy Coating on the Aluminum Alloy Surface by Friction Stir Processing. In RUSSIAN PHYSICS JOURNAL. ISSN 1064-8887, 2020, vol. 63, no. 7, pp. 1179-1185., Registrované v: WOS
8. [1.1] GUSAROVA, A. - CHUMAEVSKII, A. - OSIPOVICH, K. S. - KALASHNIKOV, K. N. - KALASHNIKOVA, T. A. REGULARITIES OF STRUCTURAL CHANGES AFTER FRICTION STIR PROCESSING IN MATERIALS OBTAINED BY THE ADDITIVE METHOD. In NANOSCIENCE AND TECHNOLOGY-AN INTERNATIONAL JOURNAL. ISSN 2572-4258, 2020, vol. 11, no. 3, pp. 195-205., Registrované v: WOS
9. [1.1] CHEN, Chin-Fu - HUANG, Chang-Ning - KAO, Po-We. Nanometer-sized delta*-Al₂O₃-reinforced aluminum composites using the friction stir process: A TEM study. In MATERIALS CHARACTERIZATION. ISSN 1044-5803, 2020, vol. 170, 110704., Registrované v: WOS
10. [1.1] KALASHNIKOVA, Tatiana - GUSAROVA, Anastasia - CHUMAEVSKII, Andrey - KNYAZHEV, Evgeny - SHVEDOV, Mikhail - VASILYEV, Petr. Regularities of Composite Materials Formation using Additive Electron-Beam Technology, Friction Stir Welding and Friction Stir Processing. In OBRABOTKA METALLOV-METAL WORKING AND MATERIAL SCIENCE. ISSN 1994-6309, 2019, vol. 21, no. 4, pp. 94-112., Registrované v: WOS
11. [1.1] KHODABAKHSHI, Farzad - GERLICH, Adrian P. On the correlation between indentation hardness and tensile strength in friction stir processed materials. In MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING. ISSN 0921-5093, 2020, vol. 789, 139682., Registrované v: WOS
12. [1.1] LAKRA, Suprabha - BANDYOPADHYAY, Tapas Kumar - DAS, Siddhartha - DAS, Karabi. Synthesis and characterization of in-situ (Al-Al₃Ti-Al₂O₃)/Al dual matrix composite. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2020, vol. 842, 155745., Registrované v: WOS
13. [1.1] LI, Wei - LI, Ming - YANG, Yi - WEI, Qingsong - CAI, Daosheng - LIU, Jie - YAN, Chunze - SHI, Yusheng. Enhanced compressive strength and tailored microstructure of selective laser melted Ti-46.5Al-2.5Cr-2Nb-0.5Y alloy with different boron addition. In MATERIALS

SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS

PROPERTIES MICROSTRUCTURE AND PROCESSING. ISSN 0921-5093, 2018, vol. 731, no., pp. 209-219., Registrované v: WOS

14. [1.1] MAJI, Pabitra - GHOSH, Subrata Kumar - NATH, Rahul Kanti - KARMAKAR, Ranit. Microstructural, mechanical and wear characteristics of aluminum matrix composites fabricated by friction stir processing. In JOURNAL OF THE BRAZILIAN SOCIETY OF MECHANICAL SCIENCES AND ENGINEERING. ISSN 1678-5878, 2020, vol. 42, no. 4, 191., Registrované v: WOS

15. [1.1] OSTOVAN, Farhad - AMANOLLAH, Sattar - TOOZANDEHJANI, Meysam - SHAFIEI, Ehsan. Fabrication of Al5083 surface hybrid nanocomposite reinforced by CNTs and Al₂O₃ nanoparticles using friction stir processing. In JOURNAL OF COMPOSITE MATERIALS. ISSN 0021-9983, 2020, vol. 54, no. 8, pp. 1107-1117., Registrované v: WOS

16. [1.1] PATEL, Surendra Kumar - SINGH, Virendra Pratap - KURIACHEN, Basil. Friction stir processing of alloys with secondary phase particles: an overview. In MATERIALS AND MANUFACTURING PROCESSES. ISSN 1042-6914, 2019, vol. 34, no. 13, pp. 1429-1457., Registrované v: WOS

17. [1.1] PATEL, Surendra Kumar - SINGH, Virendra Pratap - ROY, Barnik Saha - KURIACHEN, Basil. Recent research progresses in Al-7075 based in-situ surface composite fabrication through friction stir processing: A review. In MATERIALS SCIENCE AND ENGINEERING B-ADVANCED FUNCTIONAL SOLID-STATE MATERIALS. ISSN 0921-5107, 2020, vol. 262, 114708., Registrované v: WOS

18. [1.1] SILVESTRI, Siara - FOLETTO, Edson Luiz. Preparation and characterization of Fe₂O₃/TiO₂/clay plates and their use as photocatalysts. In CERAMICS INTERNATIONAL. ISSN 0272-8842, 2017, vol. 43, no. 16, pp. 14057-14062., Registrované v: WOS

19. [1.1] YAQOOB, Basit - PASHA, Riffat Asim - AWANG, Mokhtar - NASIR, Muhammad Ali - HUSSAIN, Azhar - NAZIR, Kamran. Comparison of Mixing Strategies and Hybrid Ratio Optimization for Mechanical Properties Enhancement of Al-CeO₂-GNP's Metal Matrix Composite Fabricated by Friction Stir Processing. In METALLOGRAPHY MICROSTRUCTURE AND ANALYSIS. ISSN 2192-9262, 2019, vol. 8, no. 4, pp. 534-544., Registrované v: WOS

20. [1.2] HEIDARZADEH, A. - MIRONOV, S. - KAIBYSHEV, R. - ÇAM, G. - SIMAR, A. - GERLICH, A. - KHODABAKHSHI, F. - MOSTAFAEI, A. - FIELD, D. P. - ROBSON, J. D. - DESCHAMPS, A. - WITHERS, P. J. Friction stir welding/processing of metals and alloys: A comprehensive review on microstructural evolution. In Progress in Materials Science. ISSN 00796425, 2020-01-01, pp. Dostupné na: <https://doi.org/10.1016/j.pmatsci.2020.100752>., Registrované v: SCOPUS

21. [1.2] KALASHNIKOVA, T. A. - CHUMAEVSKII, A. V. - GUSAROVA, A. V. Dry adhesive friction process regularities during frictional contact of heterogeneous "copper-aluminum" system materials. In Materials Science Forum. ISSN 02555476, 2020-01-01, 992 MSF, pp. 785-790. Dostupné na: <https://doi.org/10.4028/www.scientific.net/MSF.992.785>., Registrované v: SCOPUS

22. [2.1] FOTOOHI, H. - LOTFI, B. - SADEGHIAN, Z. - BYEON, J-W.

Effect of post-processing heat treatment on microstructure evolution and mechanical properties of in-situ Al/(Al₃Ni-TiC) hybrid composite fabricated by friction stir processing using mechanically activated powders. In KOVOVE MATERIALY-METALLIC MATERIALS. ISSN 0023-432X, 2020, vol. 58, no. 3, pp. 211-222., Registrované v: WOS

ADCA35 BALÁŽ, Peter - HEGEDUS, Michal** - BALÁŽ, Matej - DANEU, Nina - SIFFALOVIC, P. - LUKÁČOVÁ BUJŇÁKOVÁ, Zdenka - TÓTHOVÁ, Erika - TEŠINSKÝ, Matej - ACHIMOVICHOVÁ, Marcela - BRIANČIN, Jaroslav - DUTKOVÁ, Erika - KAŇUCHOVÁ, Mária - FABIÁN, Martin - KITAZONO, Satoshi - DOBROZHAN, Oleksandr. Photovoltaic materials: Cu₂ZnSnS₄ (CZTS) nanocrystals synthesized via industrially scalable, green, one-step mechanochemical process. In *Progress in Photovoltaics : research and applications*, 2019, vol. 27, no. 18, p. 798-811. (2018: 7.776 - IF, Q1 - JCR, 1.942 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 1062-7995. Dostupné na: <https://doi.org/10.1063/1.5082636>

Ohlasy:

1. [1.1] GOYAL, Deepak - MALAR, P. Dry mill route for synthesis of single phase bulk and e-beam growth of thin films of Cu₂ZnSnS₄ for photovoltaic applications. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2020, vol. 846, 156464., Registrované v: WOS
2. [1.1] MURTAZA, Sana Z. M. - VAQUEIRO, Paz. Rapid synthesis of chalcogenides by ball milling: Preparation and characterisation of Bi₂Se₃ and Bi₂Te₃. In JOURNAL OF SOLID STATE CHEMISTRY. ISSN 0022-4596, 2020, vol. 291, 121625., Registrované v: WOS
3. [1.1] TETZLAFF, David - PELLUMBI, Kevinjeorgios - BAIER, Daniel M. - HOOFF, Lucas - BARKUR, Harikumar Shastry - SMIALKOWSKI, Mathias - AMIN, Hatem M. A. - GRAETZ, Sven - SIEGMUND, Daniel - BORCHARDT, Lars - APFEL, Ulf-Peter. Sustainable and rapid preparation of nanosized Fe/Ni-pentlandite particles by mechanochemistry. In CHEMICAL SCIENCE. ISSN 2041-6520, 2020, vol. 11, no. 47, pp. 12835-12842., Registrované v: WOS

ADCA36 BALDINI, R. - DUBNIČKA, Stanislav - GAUZZI, P. - PACETTI, S. - PASQUALUCCI, E. - SRIVASTAVA, Y. Determination of nucleon and pion form factors via dispersion relations. In *Nuclear Physics A*, 2000, vol. 666, 38C-43C. (2000 - Current Contents, SCOPUS). ISSN 0375-9474.

Ohlasy:

1. [1.1] DE MELO, J. P. B. C. - TSUSHIMA, Kazuo - FREDERICO, Tobias. Pion in the Medium with a Light-Front Model. In XVTH INTERNATIONAL CONFERENCE ON HADRON SPECTROSCOPY (HADRON2015). ISSN 0094-243X, 2016, vol. 1735., Registrované v: WOS
2. [1.1] MELLO, Clayton Santos - DE MELO, J. P. B. C. - FREDERICO, T. The pion electromagnetic structure with self-energy. In JOURNAL OF PHYSICS CONFERENCE SERIES, 2016, vol. 706., Registrované v: WOS
3. [1.1] MELLO, Clayton S. - DE MELO, J. P. B. C. - FREDERICO, T. Minkowski space pion model inspired by lattice QCD running quark mass. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 766, pp. 86-93., Registrované v: WOS

ADCA37 BALDINI, R. - DUBNIČKA, Stanislav - GAUZZI, P. - PACETTI, S. - PASQUALUCCI, E. - SRIVASTAVA, Y. Nucleon time-like form factors below the NN threshold. In *European Physical Journal C*, 1999, vol. 11, no. 4, p. 709-715. (1998: 3.142 - IF, Current Contents - CCC). (1999 - Current Contents, WOS, SCOPUS). ISSN 1434-6044. Dostupné na: <https://doi.org/10.1007/s100529900077>

Ohlasy:

1. [1.1] BRODSKY, Stanley J. - DE TERAMOND, Guy F. - DOSCH, Hans Guenter - ERLICH, Joshua. Light-front holographic QCD and emerging confinement. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, 2015, vol. 584, pp. 1-105., Registrované v: WOS
2. [1.1] LORENZ, I. T. - HAMMER, H-W. - MEISSNER, Ulf-G. New structures in the proton-antiproton system. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 3, 034018., Registrované v: WOS
3. [1.1] SWARNKAR, Rohit - CHAKRABARTI, Dipankar. Meson structure in light-front holographic QCD. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 7, 074023., Registrované v: WOS
4. [1.1] YABUSAKI, George H. S. - AHMED, Ishtiaq - PARACHA, M. Ali - DE MELO, J. P. B. C. - EL-BENNICH, Bruno. Pseudoscalar mesons with symmetric bound state vertex functions on the light front. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 3, 034017., Registrované v: WOS

ADCA38 BALOG, Martin** - ROSOVÁ, Alica - SZUNDIOVÁ, Bronislava - OROVČÍK, Ľubomír - KRÍŽIK, Peter - ŠVEC, Peter Jr. - KULICH, Miloslav - KOPERA, Ľubomír - KOVÁČ, Pavol - HUŠEK, Imrich - IBRAHIM, Ahmed Mohamed Hassan. HITEMAL-an outer sheath material for MgB2 superconductor wires: The effect of annealing at 595-655 degrees C on the microstructure and properties. In *Materials and Design*, 2018, vol. 157, p. 12-23. (2017: 4.525 - IF, Q1 - JCR, 1.820 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 0261-3069. Dostupné na: <https://doi.org/10.1016/j.matdes.2018.07.033>

Ohlasy:

1. [1.1] KARABOGA, Firat. Role of Cr-coating by electroplating method on fabrication and transport properties of Fe/Cr/MgB2 wires. In JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS. ISSN 0957-4522, 2020, vol. 31, no. 9, pp. 7141-7149., Registrované v: WOS
2. [1.2] PROKHASKO, Lyubov - PROKHASKO, Yuri - REBEZOV, Maksim - POPOVICH, Aleksey - KHAYRULLIN, Mars - GONCHAROV, Andrey - SOROKIN, Aleksandr - OVSYANNIKOVA, Anna. Development of a mathematical model of the movement of uncompressed plunger with consideration of the non-isothermal fluid flow in the ring gap. In International Journal of Advanced Science and Technology. ISSN 20054238, 2020, vol. 29, no. 6, SI, pp. 2668-2676., Registrované v: SCOPUS

ADCA39 BALOG, Martin - YU, P. - QIAN, M. - BEHULOVA, M. - ŠVEC, Peter - CICKA, R. Nanoscaled Al-AlN composites consolidated by equal channel angular pressing (ECAP) of partially in situ nitrided Al powder. In *Materials Science and Engineering A - Structural Materials Properties Microstructure and Processing*, 2013, vol. 562, p. 190-195. (2012: 2.108 - IF, Q1 - JCR, 1.744 - SJR, Q1 - SJR,

Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 0921-5093. Dostupné na: <https://doi.org/10.1103/PhysRevE.89.032128>

Ohlasy:

1. [1.1] DERAKHSHANDEH-HAGHIGHI, Reza - JAHROMI, Seyed Ahmad Jenabali. The Effect of Multi-pass Equal-Channel Angular Pressing (ECAP) for Consolidation of Aluminum-Nano Alumina Composite Powder on Wear Resistance. In JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE. ISSN 1059-9495, 2016, vol. 25, no. 2, pp. 687-696., Registrované v: WOS
2. [1.1] GHAZANI, Mehdi Shaban - FARDI-ILKHCHY, Ali - BINESH, Behzad. Finite element simulation of the T-shaped ECAP processing of round samples. In MATERIALS RESEARCH EXPRESS. ISSN 2053-1591, 2018, vol. 5, no. 5, pp., Registrované v: WOS
3. [1.1] HOMAYOUN, H. - KHOSRAVIFARD, A. - EBRAHIMI, R. Consolidation of pure aluminum powder by Cyclic Expansion-Extrusion (CEE) process. In MATERIALS TODAY COMMUNICATIONS. ISSN 2352-4928, 2019, vol. 21, 100597., Registrované v: WOS
4. [1.1] HU, Kaiqi - GAO, Tong - XU, Qingfei - YANG, Huabing - MA, Xia - NIE, Jinfeng - LIU, Xiangfa. Investigation of the microstructures and mechanical properties of the Al-xSi-yAlN(p) composite by a diffusion method. In MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING. ISSN 0921-5093, 2020, vol. 788, 139634., Registrované v: WOS
5. [1.1] CHEN, Cunguang - WANG, Wenwen - GUO, Zhimeng - SUN, Chunbao - VOLINSKY, Alex A. - PALEY, Vladislav. Annealing Effects on Microstructure and Mechanical Properties of Ultrafine-Grained Al Composites Reinforced with Nano-Al₂O₃ by Rotary Swaging. In JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE. ISSN 1059-9495, 2018, vol. 27, no. 4, pp. 1738-1745., Registrované v: WOS
6. [1.1] CHEN, Jie - BAO, Chonggao - CHEN, Wenhui - ZHANG, Li - LIU, Jinling. Mechanical Properties and Fracture Behavior of Mg-Al/AlN Composites with Different Particle Contents. In JOURNAL OF MATERIALS SCIENCE & TECHNOLOGY. ISSN 1005-0302, 2017, vol. 33, no. 7, pp. 668-674., Registrované v: WOS
7. [1.1] CHERNOUSOV, Andrey A. - CHAN, Ben Y. B. Novel form-stable phase change material composite for high-efficiency room temperature control. In SOLAR ENERGY MATERIALS AND SOLAR CELLS. ISSN 0927-0248, 2017, vol. 170, no., pp. 13-20., Registrované v: WOS
8. [1.1] CHERNOUSOV, Andrey A. - CHAN, Ben Y. B. Optimising in-situ nitridation in piled aluminium flakes for novel closed cell composites with high fracture stress and toughness. In MATERIALS & DESIGN. ISSN 0264-1275, 2018, vol. 150, no., pp. 113-123., Registrované v: WOS
9. [1.1] CHERNOUSOV, Andrey A. - CHAN, Ben Y. B. Oxynitride dendritic strengthening in pre-melted aluminium flakes through controlled in situ nitridation. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2019, vol. 806, pp. 841-851., Registrované v: WOS
10. [1.1] CHO, Sung Chul - HAN, Chulwoong - CHOI, Hanshin - KIM, Hae Sung - JIN, Sungho - HAN, Jun Hyun. Synthesis and consolidation behavior of Al/AlN composite powders by reactive RF thermal plasma spraying. In POWDER TECHNOLOGY. ISSN 0032-5910, 2016, vol. 287, no., pp. 395-402.,

Registrované v: WOS

11. [1.1] JIA, Lei - KONDOH, Katsuyoshi - IMAI, Hisashi - ONISHI, Motohiro - CHEN, Biao - LI, Shu-feng. Nano-scale AlN powders and AlN/Al composites by full and partial direct nitridation of aluminum in solid-state. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2015, vol. 629, no., pp. 184-187., Registrované v: WOS

12. [1.1] LEE, J. I. - PARK, E. S. In-situ synthesis of co-continuous aluminum-aluminum nitride composites by arc plasma induced accelerated displacement reaction. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2017, vol. 729, no., pp. 171-179., Registrované v: WOS

13. [1.1] LEE, Kon-Bae - KIM, Yong Hwan - CHOI, Hyun Joo - AHN, Jae-Pyoung. Effect of carbon on the nitridation behavior of aluminum powder. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2016, vol. 689, no., pp. 218-224., Registrované v: WOS

14. [1.1] LEE, Kon-Bae - YOO, Seong-Hyeon - KIM, Yong-Hwan - HAN, Chul-Woong - WON, Sung-Ok - AHN, Jae-Pyung - CHOI, Hyun-Joo. A cost-effective route to produce Al/AlN composites with low coefficient of thermal expansion. In JOURNAL OF COMPOSITE MATERIALS. ISSN 0021-9983, 2017, vol. 51, no. 20, pp. 2845-2851., Registrované v: WOS

15. [1.1] MILHORATO, Fabio R. - FIGUEIREDO, Roberto B. - LANGDON, Terence G. - MAZZER, Eric M. Development of an Al 7050-10 vol.% alumina nanocomposite through cold consolidation of particles by high-pressure torsion. In JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY-JMR&T. ISSN 2238-7854, 2020, vol. 9, no. 6, pp. 12626-12633., Registrované v: WOS

16. [1.1] REZAEI, M. R. - RAZAVI, S. H. - SHABESTARI, G. Development of a novel Al-Cu-Ti metallic glass reinforced Al matrix composite consolidated through equal channel angular pressing (ECAP). In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2016, vol. 673, no., pp. 17-27., Registrované v: WOS

17. [1.1] REZAEI, M. R. - SHABESTARI, S. G. - RAZAVI, S. H. Effect of ECAP consolidation process on the interfacial characteristics of Al-Cu-Ti metallic glass reinforced aluminum matrix composite. In COMPOSITE INTERFACES. ISSN 0927-6440, 2018, vol. 25, no. 8, pp. 669-679., Registrované v: WOS

18. [1.2] AMOSOV, A. P. - TITOVA, Y. V. - TIMOSHKIN, I. Y. - KUZINA, A. A. Fabrication of Al-AlN nanocomposites. In Key Engineering Materials. ISSN 10139826, 2016-01-01, 684, pp. 302-309., Registrované v: SCOPUS

19. [1.2] GRANESAN, S. - DEEPAK GANESH, S. - ARUL MARCEL MOSHI, A. Characterization of Metal Matrix Composites reinforced with suitable reinforcement agents A Comprehensive Review. In IOP Conference Series: Materials Science and Engineering. ISSN 17578981, 2020-12-15, 988, 1, pp. Dostupné na: <https://doi.org/10.1088/1757-899X/988/1/012029>., Registrované v: SCOPUS

20. [1.2] CHEN, Wenge - YANG, Tao - DONG, Longlong - ELMASRY, Ahmed - SONG, Jiulong - DENG, Nan - ELMARAKBI, Ahmed - LIU, Terence - LV, Hai Bao - FU, Yong Qing. Advances in graphene reinforced metal matrix nanocomposites: Mechanisms, processing, modelling, properties and applications. In Nami Jishu yu Jingmi Gongcheng/Nanotechnology and Precision

- Engineering. ISSN 16726030, 2020-12-01, 3, 4, pp. 189-210. Dostupné na: <https://doi.org/10.1016/j.npe.2020.12.003>., Registrované v: SCOPUS
21. [1.2] JAYALAKSHMI, S. - SINGH, R. Arvind. Processing routes, mechanical, and tribological properties of light metal matrix nanocomposites. In *Processing Techniques and Tribological Behavior of Composite Materials*, 2015-01-31, pp. 1-46., Registrované v: SCOPUS
22. [1.2] JAYALAKSHMI, S. - SINGH, R. Arvind. Processing routes, mechanical, and tribological properties of light metal matrix nanocomposites. In *Materials Science and Engineering: Concepts, Methodologies, Tools, and Applications*, 2017-01-11, 2-3, pp. 991-1037., Registrované v: SCOPUS
23. [1.2] PATCHARAWIT, Tapany - NGEEKOH, Arada - KITKHAMTHORN, Usanee - CHUANKREKKUL, Nutthita. Liquid-Phase Sintering and Properties of PIMed 10-20 vol.% SiCinf/inf-Reinforced Aluminium Composites. In *MATEC Web of Conferences*, 2018-11-26, 237, pp., Registrované v: SCOPUS
24. [3.1] BAGHERPOUR, E., REIHANIAN, M., PARDIS, N., EBRAHIMI, R. AND LANGDON, T..Ten years of severe plastic deformation (SPD) in Iran, part I: equal-channel angular pressing (ECAP).In *Iranian Journal of Materials Forming*. 2018, 5(1), pp.71-113. Dostupné na internete: http://ijmf.shirazu.ac.ir/article_4830.html. ISSN 2383-0042.
25. [3.1] SUNIL KADIYAN, B S DEHIYA. Comparison of Enhanced Mechanical Properties and Texture of Pure Aluminium & Its Composite Processed by Powder Metallurgy and Equal Channel Angular Pressing. In *European Journal of Advances in Engineering and Technology*, 2018, vol.5, iss. 1, p. 75-79. Dostupné na internete: <http://www.ejaet.com/PDF/5-1/EJAET-5-1-75-79.pdf>. ISSN 2394-658X.

ADCA40 BAMIDELE, J. - BRNDIAR, Ján - GULANS, A. - KANTOROVICH, L. - ŠTICH, Ivan. Critical importance of van der Waals stabilization in strongly chemically bonded surfaces: Cu(110):0. In *Journal of Chemical Theory and Computation*, 2013, vol. 9, no. 12, p. 5578-5584. (2012: 5.389 - IF, Q1 - JCR, 2.784 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents). ISSN 1549-9618. Dostupné na: <https://doi.org/10.1021/ct400813d>

Ohlasy:

1. [1.1] GATTINONI, Chiara - MICHAELIDES, Angelos. Atomistic details of oxide surfaces and surface oxidation: the example of copper and its oxides. In *SURFACE SCIENCE REPORTS*. ISSN 0167-5729, 2015, vol. 70, no. 3, pp. 424-447., Registrované v: WOS
2. [1.1] SALEHI, Hamdollah - MOADDELI, Mohammad - AMIRI, Peiman. Noble metal chain adsorption on graphene sheet. In *SURFACE SCIENCE*. ISSN 0039-6028, 2016, vol. 647, pp. 96-102., Registrované v: WOS
3. [1.1] WOODS, L. M. - DALVIT, D. A. R. - TKATCHENKO, A. - RODRIGUEZ-LOPEZ, P. - RODRIGUEZ, A. W. - PODGORNIK, R. Materials perspective on Casimir and van der Waals interactions. In *REVIEWS OF MODERN PHYSICS*. ISSN 0034-6861, 2016, vol. 88, no. 4, 045003., Registrované v: WOS

ADCA41 BAMIDELE, J. - KINOSHITA, Y. - TURANSKÝ, Robert - LEE, S.H. - NAITOH, Y. - LI, Y.J. - SUGAWARA, Y. - ŠTICH, Ivan - KANTOROVICH, L. Chemical tip fingerprinting in scanning probe microscopy of an oxidized Cu(110)

surface. In *Physical Review B*, 2012, vol. 86, no. 15, 155422. (2011: 3.691 - IF, Q1 - JCR, 3.326 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.86.155422>

Ohlasy:

1. [1.1] LIEBIG, Alexander - GIESSIBL, Franz J. In-situ characterization of O-terminated Cu tips for high-resolution atomic force microscopy. In *APPLIED PHYSICS LETTERS*. ISSN 0003-6951, 2019, vol. 114, no. 14, 143103., Registrované v: WOS
2. [1.1] LI, Minglin - ZHUO, Weirong - PANG, Haosheng - LAI, Lianfeng. Improving the atomic-resolution AFM imaging of monolayer MoS₂ for worn tips: a molecular dynamics study. In *JAPANESE JOURNAL OF APPLIED PHYSICS*. ISSN 0021-4922, 2019, vol. 58, no. 5, 055003., Registrované v: WOS
3. [1.1] MA, Zong Min - SHI, Yun Bo - MU, Ji Liang - QU, Zhang - ZHANG, Xiao Ming - QIN, Li - LIU, Jun. Atomic species recognition on oxide surfaces using low temperature scanning probe microscopy. In *APPLIED SURFACE SCIENCE*. ISSN 0169-4332, 2017, vol. 394, pp. 472-478., Registrované v: WOS
4. [1.1] MOENIG, Harry - AMIRJALAYER, Saeed - TIMMER, Alexander - HU, Zhixin - LIU, Lacheng - ARADO, Oscar Diaz - CNUDDÉ, Marvin - STRASSERT, Cristian Alejandro - JI, Wei - ROHLFING, Michael - FUCHS, Harald. Quantitative assessment of intermolecular interactions by atomic force microscopy imaging using copper oxide tips. In *NATURE NANOTECHNOLOGY*. ISSN 1748-3387, 2018, vol. 13, no. 5, pp. 371-+, Registrované v: WOS
5. [1.1] MOENIG, Harry - HERMOSO, Diego R. - ARADO, Oscar Diaz - TODOROVIC, Milica - TIMMER, Alexander - SCHUEER, Simon - LANGEWISCH, Gernot - PEREZ, Ruben - FUCHS, Harald. Submolecular Imaging by Noncontact Atomic Force Microscopy with an Oxygen Atom Rigidly Connected to a Metallic Probe. In *ACS NANO*. ISSN 1936-0851, 2016, vol. 10, no. 1, pp. 1201-1209., Registrované v: WOS
6. [1.1] MOENIG, Harry. Copper-oxide tip functionalization for submolecular atomic force microscopy. In *CHEMICAL COMMUNICATIONS*. ISSN 1359-7345, 2018, vol. 54, no. 71, pp. 9874-9888., Registrované v: WOS
7. [1.1] PANG, Haosheng - LI, Minglin - GAO, Chenghui - LAI, Lianfeng - ZHUO, Weirong. Characterization of Frictional Properties of Single-Layer Molybdenum-Disulfide Film Based on a Coupling of Tip Radius and Tip-Sample Distance by Molecular-Dynamics Simulations. In *NANOMATERIALS*. ISSN 2079-4991, 2018, vol. 8, no. 6, 387., Registrované v: WOS
8. [1.1] SANCHEZ-SOARES, Alfonso - JONES, Sarah L. T. - PLOMBON, John J. - KAUSHIK, Ananth P. - NAGLE, Roger E. - CLARKE, James S. - GREER, James C. Effect of strain, thickness, and local surface environment on electron transport properties of oxygen-terminated copper thin films. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2016, vol. 94, no. 15, 155404., Registrované v: WOS
9. [1.1] ZHOU, Xiong - SHEN, Qian - YUAN, Kaidi - YANG, Wenshao - CHEN, Qiwei - GENG, Zhenhua - ZHANG, Jialin - SHAO, Xiang - CHEN, Wei - XU, Guoqin - YANG, Xueming - WU, Kai. Unraveling Charge State of Supported Au Single-Atoms during CO Oxidation. In *JOURNAL OF*

- ADCA42 BAMIDELE, J. - KINOSHITA, Y. - TURANSKÝ, Robert - LEE, S.H. - NAITOH, Y. - LI, Y.J. - SUGUWARA, Y. - ŠTICH, Ivan - KANTOROVICH, L. Image formation and contrast inversion in noncontact atomic force microscopy imaging of oxidized Cu(110) surfaces. In *Physical Review B*, 2014, vol. 90, no. 3, p. 035410. (2013: 3.664 - IF, Q1 - JCR, 2.804 - SJR, Q3 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.90.035410>

Ohlasy:

1. [1.1] LIEBIG, Alexander - GIESSIBL, Franz J. In-situ characterization of O-terminated Cu tips for high-resolution atomic force microscopy. In *APPLIED PHYSICS LETTERS*. ISSN 0003-6951, 2019, vol. 114, no. 14, 143103., Registrované v: WOS
2. [1.1] MA, Zong Min - SHI, Yun Bo - MU, Ji Liang - QU, Zhang - ZHANG, Xiao Ming - QIN, Li - LIU, Jun. Atomic species recognition on oxide surfaces using low temperature scanning probe microscopy. In *APPLIED SURFACE SCIENCE*. ISSN 0169-4332, 2017, vol. 394, pp. 472-478., Registrované v: WOS
3. [1.1] MOENIG, Harry - HERMOSO, Diego R. - ARADO, Oscar Diaz - TODOROVIC, Milica - TIMMER, Alexander - SCHUEER, Simon - LANGEWISCH, Gernot - PEREZ, Ruben - FUCHS, Harald. Submolecular Imaging by Noncontact Atomic Force Microscopy with an Oxygen Atom Rigidly Connected to a Metallic Probe. In *ACS NANO*. ISSN 1936-0851, 2016, vol. 10, no. 1, pp. 1201-1209., Registrované v: WOS
4. [1.1] MOENIG, Harry. Copper-oxide tip functionalization for submolecular atomic force microscopy. In *CHEMICAL COMMUNICATIONS*. ISSN 1359-7345, 2018, vol. 54, no. 71, pp. 9874-9888., Registrované v: WOS
5. [1.1] SANCHEZ-SOARES, Alfonso - JONES, Sarah L. T. - PLOMBON, John J. - KAUSHIK, Ananth P. - NAGLE, Roger E. - CLARKE, James S. - GREER, James C. Effect of strain, thickness, and local surface environment on electron transport properties of oxygen-terminated copper thin films. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2016, vol. 94, no. 15, 155404., Registrované v: WOS

- ADCA43 BAMIDELE, J. - LEE, S.H. - TURANSKÝ, Robert - NAITOH, Y. - LI, Y.J. - SUGAWARA, Y. - ŠTICH, Ivan - KANTOROVICH, L. Vertical atomic manipulation with dynamic atomic-force microscopy without tip change via a multi-step mechanism. In *Nature Communications*, 2014, vol. 5, 4476. (2013: 10.742 - IF, Q1 - JCR, 5.967 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents). ISSN 2041-1723. Dostupné na: <https://doi.org/10.1038/ncomms5476>

Ohlasy:

1. [1.1] BERGER, Jan - SPADAFORA, Evan J. - MUTOMBO, Pingo - JELINEK, Pavel - SVEC, Martin. Force-Driven Single-Atom Manipulation on a Low-Reactive Si Surface for Tip Sharpening. In *SMALL*. ISSN 1613-6810, 2015, vol. 11, no. 30, pp. 3686-3693., Registrované v: WOS
2. [1.1] FREMY-KOCH, Sweetlana - SADEGHI, Ali - PAWLAK, Remy - KAWAI, Shigeki - BARATOFF, Alexis - GOEDECKER, Stefan -

- MEYER, Ernst - GLATZEL, Thilo. Controlled switching of a single CuPc molecule on Cu(111) at low temperature. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2019, vol. 100, no. 15, 155427., Registrované v: WOS
3. [1.1] KUMAR, Rakesh - LEE, Chih-Hao - HWANG, Ing-Shouh. Manipulation of single Si adatoms and observation of fast diffusion of Si dimers on a Pb-covered Si(111) surface. In *JOURNAL OF VACUUM SCIENCE & TECHNOLOGY A*. ISSN 0734-2101, 2017, vol. 35, no. 4, 041405., Registrované v: WOS
4. [1.1] LI, Changhai - ZHANG, Fengqiang - ZHANG, Jia - GUO, Bin - WANG, Zhenlong. A Universal Solution of Controlling the Distribution of Multimaterials during Macroscopic Manipulation via a Microtopography-Guided Substrate. In *NANOMATERIALS*. ISSN 2079-4991, 2018, vol. 8, no. 12, 1036., Registrované v: WOS
5. [1.1] MA, Zong Min - SHI, Yun Bo - MU, Ji Liang - QU, Zhang - ZHANG, Xiao Ming - QIN, Li - LIU, Jun. Atomic species recognition on oxide surfaces using low temperature scanning probe microscopy. In *APPLIED SURFACE SCIENCE*. ISSN 0169-4332, 2017, vol. 394, pp. 472-478., Registrované v: WOS
6. [1.1] SANCHEZ-SOARES, Alfonso - JONES, Sarah L. T. - PLOMBON, John J. - KAUSHIK, Ananth P. - NAGLE, Roger E. - CLARKE, James S. - GREER, James C. Effect of strain, thickness, and local surface environment on electron transport properties of oxygen-terminated copper thin films. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2016, vol. 94, no. 15, 155404., Registrované v: WOS
7. [1.1] TRILLITZSCH, Felix - JANAS, Arkadiusz - OEZOGUL, Alper - NEUMANN, Christof - GEORGE, Antony - JANY, Benedykt R. - KROK, Franciszek - TURCHANIN, Andrey - GNECCO, Enrico. Scanning-Probe-Induced Assembling of Gold Striations on Mono- and Bi-Layered MoS₂ on SiO₂. In *MRS ADVANCES*. ISSN 2059-8521, 2020, vol. 5, no. 43, pp. 2201-2207., Registrované v: WOS
8. [1.1] YURTSEVER, Ayhan - ABE, Masayuki - MORITA, Seizo - SUGIMOTO, Yoshiaki. Atom manipulation method to substitute individual adsorbate atoms into a Si(111)-(7 x 7) substrate at room temperature. In *APPLIED PHYSICS LETTERS*. ISSN 0003-6951, 2017, vol. 111, no. 23, 233102., Registrované v: WOS
9. [1.1] YURTSEVER, Ayhan - ABE, Masayuki - MORITA, Seizo - SUGIMOTO, Yoshiaki. Role of lateral forces on atom manipulation process on Si(111)-(7 x 7) surface in dynamic force microscopy. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2017, vol. 96, no. 15, 155412., Registrované v: WOS

ADCA44 BANDILLA, A. - DROBNÝ, Gabriel - JEX, Igor. Nondegenerate parametric interactions and nonclassical effects. In *Physical Review A*, 1996, vol. 53, no. 1, p. 507-516. ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.53.507>
Ohlasy:

1. [1.1] MARTINS, Alex Clesio Nunes - KLIMOV, Andrei B. - DE GUISE, Hubert. Correspondence rules for Wigner functions over SU(3)/U(2). In *JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL*. ISSN 1751-8113, 2019, vol. 52, no. 28, 285202., Registrované v: WOS
2. [1.1] MEHER, Nilakantha - JHA, Anand K. Dependence of the photon statistics of down-converted field-modes on the photon statistics of the

pump field-mode. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS. ISSN 0740-3224, 2020, vol. 37, no. 8, pp. 2248-2255., Registrované v: WOS

ADCA45 BANDILLA, A. - DROBNÝ, Gabriel - JEX, Igor. Parametric down-conversion and maximal pump depletion. In *Journal of Optics B : Quantum and Semiclassical Optics*, 2000, vol. 2, no. 3, p. 265-270. (1999: 1.353 - IF). ISSN 1464-4266. Dostupné na: <https://doi.org/10.1088/1464-4266/2/3/308>

Ohlasy:

1. [1.1] ALSING, Paul M. Parametric down conversion with a depleted pump as a model for classical information transmission capacity of quantum black holes. In CLASSICAL AND QUANTUM GRAVITY. ISSN 0264-9381, 2015, vol. 32, no. 7, pp., Registrované v: WOS
2. [1.1] ALSING, P. M. - FANTO, M. L. Spontaneous parametric down conversion with a depleted pump as an analogue for black hole evaporation/particle production. In PROCEEDINGS of SPIE, 2016, vol. 9873, 9873., Registrované v: WOS
3. [1.1] BIRRITELLA, Richard J. - ALSING, Paul M. - GERRY, Christopher C. Phase effects in coherently stimulated down-conversion with a quantized pump field. In PHYSICAL REVIEW A. ISSN 2469-9926, 2020, vol. 101, no. 1, 013813., Registrované v: WOS
4. [1.1] CARENZA, Pierluca - MIRIZZI, Alessandro - SIGL, Guenter. Dynamical evolution of axion condensates under stimulated decays into photons. In PHYSICAL REVIEW D. ISSN 2470-0010, 2020, vol. 101, no. 10, 103016., Registrované v: WOS
5. [1.1] MEHER, Nilakantha - JHA, Anand K. Dependence of the photon statistics of down-converted field-modes on the photon statistics of the pump field-mode. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS. ISSN 0740-3224, 2020, vol. 37, no. 8, pp. 2248-2255., Registrované v: WOS

ADCA46 BANDŽUCH, Peter - KRIŠTIÁK, Jozef - ŠAUŠA, Ondrej - ZRUBCOVÁ, J. Direct computation of the free volume fraction in amorphous polymers from positron lifetime measurements. In *Physical Review B*, 2000, vol. 61, no. 13, p. 8784-8792. (1999: 3.008 - IF, Current Contents - CCC). (2000 - Current Contents). ISSN 1550-235X. Dostupné na internete:

<http://prola.aps.org/abstract/PRB/v61/i13/p8784_1>

Ohlasy:

1. [1.1] CAPPONI, Sara - ALVAREZ, Fernando - RACKO, Dusan. Free Volume in a PVME Polymer-Water Solution. In MACROMOLECULES. ISSN 0024-9297, 2020, vol. 53, no. 12, pp. 4770-4782., Registrované v: WOS
2. [1.1] MANSILLA, M. A. - MARZOCCA, A. J. - MACCHI, C. - SOMOZA, A. Influence of vulcanization temperature on the cure kinetics and on the microstructural properties in natural rubber/styrene-butadiene rubber blends prepared by solution mixing. In EUROPEAN POLYMER JOURNAL. ISSN 0014-3057, 2015, vol. 69, pp. 50-61., Registrované v: WOS

ADCA47 BANDŽUCH, Peter - MORHÁČ, Miroslav - KRIŠTIÁK, Jozef. Study of the Van Cittert and Gold iterative methods of deconvolution and their application in the deconvolution of experimental spectra of positron annihilation. In *Nuclear*

Instruments and Methods in Physics Research A. Accelerators, Spectrometers, Detectors and Associated Equipment, 1997, vol. 384, no. 2-3, p. 506-515. (1996: 1.038 - IF, Current Contents - CCC). (1997 - Current Contents, SCOPUS). ISSN 0168-9002. Dostupné na: [https://doi.org/10.1016/S0168-9002\(96\)00874-1](https://doi.org/10.1016/S0168-9002(96)00874-1)

Ohlasy:

1. [1.1] ALIZADEH, Davood - ASHRAFI, Saleh. New hybrid metaheuristic algorithm for scintillator gamma ray spectrum analysis. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, 2019, vol. 915, pp. 1-9., Registrované v: WOS
2. [1.1] AMADE, Nicola Sarzi - BETTELLI, Manuele - ZAMBELLI, Nicola - ZANETTINI, Silvia - BENASSI, Giacomo - ZAPPETTINI, Andrea. Gamma-Ray Spectral Unfolding of CdZnTe-Based Detectors Using a Genetic Algorithm. In SENSORS, 2020, vol. 20, no. 24, 7316., Registrované v: WOS
3. [1.1] GUO CHENG - LAI WAN-CHANG - HU YUAN - HUANG JIN-CHU - ZHAI JUAN - CHENG FENG - WANG GUANG-XI - ZENG GUO-QIANG - ZHANG QING-XIAN. Research on the Background Subtraction Method for X-Ray Fluorescence Spectrum with X-Ray Tube Excitation. In SPECTROSCOPY AND SPECTRAL ANALYSIS. ISSN 1000-0593, 2016, vol. 36, no. 4, pp. 1235-1239., Registrované v: WOS
4. [1.1] HE, Jian-Feng - WU, Qi-Fan - CHENG, Jian-Ping - FANG, Fang - YANG, Yao-Zong - QU, Jin-Hui. An inversion decomposition test based on Monte Carlo response matrix on the gamma-ray spectra from NaI(Tl) scintillation detector. In NUCLEAR SCIENCE AND TECHNIQUES. ISSN 1001-8042, 2016, vol. 27, no. 4, 101., Registrované v: WOS
5. [1.1] HE, Jian-Feng - YANG, Yao-Zong - QU, Jin-Hui - WU, Qi-Fan - XIAO, Hai-Ling - YU, Cong-Cong. An inversion decomposition method for better energy resolution of NaI(Tl) scintillation detectors based on a Gaussian response matrix. In NUCLEAR SCIENCE AND TECHNIQUES. ISSN 1001-8042, 2016, vol. 27, no. 3, 58., Registrované v: WOS
6. [1.1] CHI, Ming-bo - WU, Yi-hui - GE, Dan-dan - ZHOU, Wen-chao - HAO, Peng - LIU, Yong-shun. Encoded error calibration for a coded aperture spectrometer based on deconvolution. In APPLIED OPTICS. ISSN 1559-128X, 2016, vol. 55, no. 6, pp. 1500-1506., Registrované v: WOS
7. [1.1] KLEIN, Andreas - LOHAUS, Christian - REISER, Patrick - DIMESSO, Lucangelo - WANG, Xiucan - YANG, Tongqing. Energy band alignment of antiferroelectric (Pb,Lu)(Zr,Sn,Ti)O₃. In APPLIED SURFACE SCIENCE. ISSN 0169-4332, 2017, vol. 407, pp. 99-104., Registrované v: WOS
8. [1.1] LIU, Bin - YANG, Hongrun - LV, Huanwen - JING, Futing - GAO, Xilong - YAN, Mingfei. A deconvolution method for scintillator gamma-ray spectrum analysis based on convex optimization. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, 2020, vol. 957, 163399., Registrované v: WOS
9. [1.1] REINHARDT, Sascha - HARTMANN, Soeren - PIMPL, Richard. Full Spectrum Analysis in Environmental Monitoring. In ATW-INTERNATIONAL JOURNAL FOR NUCLEAR POWER. ISSN 1431-5254, 2015, vol. 60, no. 6, pp. 381., Registrované v: WOS
10. [1.1] SHI, Rui - TUO, Xian-Guo - LI, Huai-Liang - XU, Yang-Yang -

SHI, Fan-Rong - YANG, Jian-Bo - LUO, Yong. Unfolding analysis of LaBr₃:Ce gamma spectrum with a detector response matrix constructing algorithm based on energy resolution calibration. In NUCLEAR SCIENCE AND TECHNIQUES. ISSN 1001-8042, 2018, vol. 29, no. 1, 1., Registrované v: WOS

- ADCA48 BARTOSIK, M. - DANIEL, R. - MITTERRER, C. - MAŤKO, Igor - BURGHAMMER, M. - MAYRHOFER, P.H. - KECKES, J. Cross-sectional x-ray nanobeam diffraction analysis of a compositionally graded CrN_x thin film. In *Thin Solid Films*, 2013, vol. 542, p. 1-4. (2012: 1.604 - IF, Q2 - JCR, 0.897 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents). ISSN 0040-6090. Dostupné na: <https://doi.org/10.1016/j.tsf.2013.05.102>
- Ohlasy:
1. [1.1] KAINZ, Christina - SCHALK, Nina - TKADLETZ, Michael - SARINGER, Christian - WINKLER, Markus - STARK, Andreas - SCHELL, Norbert - JULIN, Jaakko - CZETTL, Christoph. Thermo-physical properties of coatings in the Ti(B,N) system grown by chemical vapor deposition. In SURFACE & COATINGS TECHNOLOGY. ISSN 0257-8972, 2020, vol. 384, 125318., Registrované v: WOS
 2. [1.1] MEDUNA, Mojmir - FALUB, Claudiu Valentin - ISA, Fabio - MARZEGALLI, Anna - CHRASTINA, Daniel - ISELLA, Giovanni - MIGLIO, Leo - DOMMANN, Alex - VON KANEL, Hans. Lattice bending in three-dimensional Ge microcrystals studied by X-ray nanodiffraction and modelling. In JOURNAL OF APPLIED CRYSTALLOGRAPHY. ISSN 1600-5767, 2016, vol. 49, pp. 976-986., Registrované v: WOS
 3. [1.1] MEDUNA, Mojmir - ISA, Fabio - JUNG, Arik - MARZEGALLI, Anna - ALBANI, Marco - ISELLA, Giovanni - ZWEIACKER, Kai - MIGLIO, Leo - VON KANEL, Hans. Lattice tilt and strain mapped by X-ray scanning nanodiffraction in compositionally graded SiGe/Si microcrystals. In JOURNAL OF APPLIED CRYSTALLOGRAPHY. ISSN 1600-5767, 2018, vol. 51, pp. 368-385., Registrované v: WOS
 4. [1.1] SPERR, M. - ZHANG, Z. L. - IVANOV, Y. P. - MAYRHOFER, P. H. - BARTOSIK, M. Correlating elemental distribution with mechanical properties of TiN/SiN_x nanocomposite coatings. In SCRIPTA MATERIALIA. ISSN 1359-6462, 2019, vol. 170, pp. 20-23., Registrované v: WOS
 5. [1.1] YU, Jiangang - DONG, Lei - LI, Chun - PAN, Yupeng - WAN, Rongxin - GU, Hanqing - LI, Dejun. The influence of modulation periods on the evolution of microstructure and mechanical properties of nanoscale HfN/HfB₂ multilayers. In SURFACE & COATINGS TECHNOLOGY. ISSN 0257-8972, 2017, vol. 326, part B, pp. 368-374., Registrované v: WOS

- ADCA49 BARTOŠ, Erik** - PINČÁK, Richard. Identification of market trends with string and D2-brane maps. In *Physica A*, 2017, vol. 479, p. 57-70. (2016: 2.243 - IF, Q1 - JCR, 0.761 - SJR, Q2 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 0378-4371. Dostupné na: <https://doi.org/10.1016/j.physa.2017.03.014>

Ohlasy:

1. [1.1] ISLAM, Md Saiful - HOSSAIN, Emam - RAHMAN, Abdur - HOSSAIN, Mohammad Shahadat - ANDERSSON, Karl. A Review on Recent

ADCA50 BARTOŠ, Erik - GEVORKYAN, S.R. - KURAEV, E.A. - NIKOLAEV, N.N.
Lepton pair production in heavy-ion collisions in perturbation theory. In *Physical Review A*, 2002, vol. 66, no. 4, 042720. ISSN 1050-2947. Dostupné na:
<https://doi.org/10.1103/PhysRevA.66.042720>
Ohlasy:
1. [1.1] DA SILVEIRA, Gustavo G. - FORTHOMME, Laurent - PIOTRZKOWSKI, Krzysztof - SCHAEFER, Wolfgang - SZCZUREK, Antoni. Central $\mu^{+}\mu^{-}$ production via photon-photon fusion in proton-proton collisions with proton dissociation. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2015, vol., no. 2, 159., Registrované v: WOS
2. [1.1] KLUSEK-GAWENDA, Mariola - SZCZUREK, Antoni. Double scattering production of two positron-electron pairs in ultraperipheral heavy-ion collisions. In *PHYSICS LETTERS B*. ISSN 0370-2693, 2016, vol. 763, pp. 416-421., Registrované v: WOS

ADCA51 BARTOŠ, Erik - DUBNIČKOVÁ, Anna Zuzana - DUBNIČKA, Stanislav - KURAEV, E. A. - ZEMPLYANAYA, E. Scalar and pseudoscalar meson pole terms in the hadronic light-by-light contributions to $a(\mu)(\text{had})$. In *Nuclear Physics A*, 2002, vol. 632, no. 1-3, p. 330-342. ISSN 0375-9474. Dostupné na:
[https://doi.org/10.1016/S0550-3213\(02\)00242-0](https://doi.org/10.1016/S0550-3213(02)00242-0)
Ohlasy:
1. [1.1] AOYAMA, T. - ASMUSSEN, N. - BENAYOUN, M. - BIJNENS, J. - BLUM, T. The anomalous magnetic moment of the muon in the Standard Model. In *PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS*, 2020, vol. 887, pp. 1-166., Registrované v: WOS
2. [1.1] DOROKHOV, A. E. - RADZHABOV, A. E. - ZHEVLAKOV, A. S. Past, present and future of the muon $g-2$. In *Journal of Modern Physics-Conference Series*, 2015, vol. 39., Registrované v: WOS
3. [1.1] DOROKHOV, A. E. - RADZHABOV, A. E. - ZHEVLAKOV, A. S. Dynamical quark loop light-by-light contribution to muon $g-2$ within the nonlocal chiral quark model. In *EUROPEAN PHYSICAL JOURNAL C*, 2015, vol. 75, no. 9, 417., Registrované v: WOS
4. [1.1] DOROKHOV, A. E. - RADZHABOV, A. E. - ZHEVLAKOV, A. S. Current status of the muon $g-2$. XVI WORKSHOP ON HIGH ENERGY SPIN PHYSICS (D-SPIN2015). In *JOURNAL OF PHYSICS CONFERENCE SERIES*, 2016, vol. 678, 012054., Registrované v: WOS
5. [1.1] JEGERLEHNER, F. Hadronic Effects. In *ANOMALOUS MAGNETIC MOMENT OF THE MUON*, 2nd edition, Book Series: Springer Tracts in Modern Physics, 2017, vol. 274, pp. 343-569., Registrované v: WOS

ADCA52 BARTOŠ, Erik - DUBNIČKA, Stanislav - DUBNIČKOVÁ, A.Z.** - HAYASHII, H. The mass and width differences of the neutral and charged (770), (1450) and (1700) mesons from $e^{+}e^{-} \rightarrow \rho^{+}\rho^{-}$ and $\rho^{-} \rightarrow \rho^{0}\pi^{-}$ processes. In *International Journal of Modern Physics A*, 2017, vol. 32, no. 25, art. no. 1750154. (2016: 1.597 - IF, Q2 - JCR, 1.054 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 0217-751X. Dostupné na:
<https://doi.org/10.1142/S0217751X17501548>

Ohlasy:

1. [1.1] GONZALEZ-SOLIS, Sergi - ROIG, Pablo. A dispersive analysis of the pion vector form factor and $\tau(-) \rightarrow K^- K^0 S$ decay. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2019, vol. 79, no. 5, 436., Registrované v: WOS
2. [1.1] VOLKOV, M. K. - ARBUZOV, A. B. - PIVOVAROV, A. A. $\tau(-) \rightarrow \pi(-)\pi(0)\nu(\tau)$ and $e(+)e(-) \rightarrow \pi(+)\pi(-)$ Processes in the Chiral Nambu-Jona-Lasinio Model Including the Interaction of Pions in the Final State. In *JETP LETTERS*. ISSN 0021-3640, 2020, vol. 112, no. 8, pp. 457-462., Registrované v: WOS

ADCA53 BARTOŠ, Erik - DUBNIČKA, Stanislav - LIPTAJ, Andrej - DUBNIČKOVÁ, Z. A. - KAMINSKI, R. What are the correct $\rho(0)(770)$ meson mass and width values? In *Physical Review D*, 2017, vol. 96, no. 11, 113004. (2016: 4.557 - IF, Q1 - JCR, 2.115 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 1550-7998.

Ohlasy:

1. [1.1] NESTERENKO, A. Explicit form of the R-ratio of electron-positron annihilation into hadrons. In *JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS*. ISSN 0954-3899, 2019, vol. 46, no. 11, 115006., Registrované v: WOS
2. [1.1] RUPP, George - VAN BEVEREN, Eef. DRAMATIC IMPLICATIONS OF UNITARITY FOR MESON SPECTROSCOPY. In *ACTA PHYSICA POLONICA B PROCEEDINGS SUPPLEMENT*. ISSN 1899-2358, 2020, vol. 13, no. 1, pp. 51-57., Registrované v: WOS

ADCA54 BARTOŠ, Erik - BAKMAEV, S. - KURAEV, E.A. - SHATNEV, M.G. - SEČANSKÝ, Michal. 2 gamma and 3 gamma annihilation as calibration processes for high energy e^+e^- colliders. In *JETP Letters*, 2008. Vol. 87, no. 2, p. 73-77. ISSN 0021-3640.

Ohlasy:

1. [1.1] RYZHENENKOV, A. E. - AKHMETSHIN, R. R. - AMIRKHANOV, A. N. - et al. Current status of luminosity measurement with the CMD-3 detector, In *JOURNAL OF INSTRUMENTATION*, 2017, vol. 12, C07040, Registrované v: WOS

ADCA55 BARTOŠ, Josef - KRIŠTIÁK, Jozef. A phenomenological model of volumetric and free volume hole properties in supercooled liquids: The ortho-terphenyl case. In *The Journal of Physical Chemistry. B.* - Washington : American Chemical Society, 2000, vol. 104, no. 24, p. 5666-5673. ISSN 1520-6106. Dostupné na: <https://doi.org/10.1021/jp993703f>

Ohlasy:

1. [1.1] BENIGNI, P. Thermodynamic analysis of the classical lattice-hole model of liquids. In *JOURNAL OF NON-CRYSTALLINE SOLIDS*. ISSN 0022-3093, 2020, vol. 534, 119942., Registrované v: WOS

ADCA56 BARTOŠ, Josef - ŠAUŠA, Ondrej - BANDŽUCH, Peter - ZRUBCOVÁ, J. - KRIŠTIÁK, Jozef. Free volume factor in supercooled liquid dynamics. In *Journal of Non-Crystalline Solids.* - Amsterdam : Elsevier Science, 2002, vol. 307, sEP, p. 417-425. (2001: 1.363 - IF, Current Contents - CCC). (2002 - Current Contents,

SCOPUS). ISSN 0022-3093. Dostupné na:
[https://doi.org/10.1016/S0022-3093\(02\)01503-X](https://doi.org/10.1016/S0022-3093(02)01503-X)

Ohlasy:

1. [1.1] GARRAZA, A.L.R. - MANSILLA, M.A. - DEPAOLI, E.L. - MACCHI, C. - CERVENY, S. - MARZOCCA, A.J. - SOMOZA, A. Comparative study of thermal, mechanical and structural properties of polybutadiene rubber isomers vulcanized using peroxide. In POLYMER TESTING. ISSN 0142-9418, JUL 2016, vol. 52, p. 117-123., Registrované v: WOS
2. [1.1] KOWALEWSKA, A. - NOWACKA, M. - WLODARSKA, M. - ZGARDZINSKA, B. - ZALESKI, R. - OSZAJCA, M. - KRAJENTA, J. - KAZMIERSKI, S. Solid-state dynamics and single-crystal to single-crystal structural transformations in octakis(3-chloropropyl)octasilsesquioxane and octavinylloctasilsesquioxane. In PHYSICAL CHEMISTRY CHEMICAL PHYSICS. ISSN 1463-9076, OCT 28 2017, vol. 19, no. 40, p. 27516-27529., Registrované v: WOS
3. [1.1] LI, Jinjiang - ZHAO, Junshu - TAO, Li - WANG, Jennifer - WAKNIS, Vrushali - PAN, Duohai - HUBERT, Mario - RAGHAVAN, Krishnaswamy - PATEL, Jatin. The Effect of Polymeric Excipients on the Physical Properties and Performance of Amorphous Dispersions: Part I, Free Volume and Glass Transition. In PHARMACEUTICAL RESEARCH. ISSN 0724-8741, 2015, vol. 32, no. 2, pp. 500-515., Registrované v: WOS
4. [1.1] MANSILLA, M. A. - MARZOCCA, A. J. - MACCHI, C. - SOMOZA, A. Influence of vulcanization temperature on the cure kinetics and on the microstructural properties in natural rubber/styrene-butadiene rubber blends prepared by solution mixing. In EUROPEAN POLYMER JOURNAL. ISSN 0014-3057, 2015, vol. 69, pp. 50-61., Registrované v: WOS
5. [1.1] SAMANTA, S. - RICHERT, R. Electrorheological Source of Nonlinear Dielectric Effects in Molecular Glass-Forming Liquids. In JOURNAL OF PHYSICAL CHEMISTRY B. ISSN 1520-6106, AUG 11 2016, vol. 120, no. 31, p. 7737-7744., Registrované v: WOS

ADCA57 BARTOŠ, Josef - KRIŠTIÁK, Jozef. Free volume aspects of the strong-fragile classification of polymer liquids. In *Journal of Non-Crystalline Solids*, 1998, vol. 235, p. 293 -295. (1997: 1.017 - IF, Current Contents - CCC). (1998 - Current Contents, WOS, SCOPUS). ISSN 0022-3093.

Ohlasy:

1. [1.1] KIPNUSU, W.K. - ELSAYED, M. - IACOB, C. - PAWLUS, S. - KRAUSE-REHBERG, R. - PALUCH, M. Glassy dynamics predicted by mutual role of free and activation volumes. In SOFT MATTER. ISSN 1744-683X, JUN 21 2019, vol. 15, no. 23, p. 4656-4661., Registrované v: WOS

ADCA58 BARTOŠ, Josef - BANDŽUCH, Peter - ŠAUŠA, Ondrej - KRIŠTIÁKOVÁ, Katarína - KRIŠTIÁK, Jozef - KANAYA, T. - JENNINGER, W. Free volume microstructure and its relationship to the chain dynamics in cis-1,4-poly(butadiene) as seen by positron annihilation lifetime spectroscopy. In *Macromolecules*, 1997, vol. 30, no. 22, p. 6906 - 6912. (1996: 3.331 - IF, Current Contents - CCC). (1997 - Current Contents). ISSN 0024-9297.

Ohlasy:

1. [1.1] ELDER, R.M. - KNORR, D.B. - ANDZELM, J.W. -

LENHART, J.L. - SIRK, T.W. Nanovoid formation and mechanics: a comparison of poly(dicyclopentadiene) and epoxy networks from molecular dynamics simulations. In *SOFT MATTER*. ISSN 1744-683X, 2016, vol. 12, no. 19, p. 4418-4434., Registrované v: WOS

2. [1.1] HABASAKI, J. - LEON, C. - NGAI, K.L. Ionic Liquids: Physics Bridging Two Fields. In *DYNAMICS OF GLASSY, CRYSTALLINE AND LIQUID IONIC CONDUCTORS: EXPERIMENTS, THEORIES, SIMULATIONS*. ISSN 0303-4216, 2017, vol. 132, p. 311-354., Registrované v: WOS

3. [1.1] CHEN, X.X. - HUANG, L. - DONG, C.J. - NIU, L.H. - ZHANG, Y. - CHEN, Z. Influence of Vinyl Acetate Content on the Surface Hydrophobic Recovery of Ethylene Vinyl Acetate Copolymer after Plasma Modification. In *CHEMISTRYSELECT*. ISSN 2365-6549, FEB 7 2019, vol. 4, no. 5, p. 1763-1765., Registrované v: WOS

4. [1.1] NGAI, K.L. - CAPACCIOLI, S. - PREVOSTO, D. - WANG, L.M. Coupling of Caged Molecule Dynamics to JG beta-Relaxation II: Polymers. In *JOURNAL OF PHYSICAL CHEMISTRY B*. ISSN 1520-6106, SEP 24 2015, vol. 119, no. 38, p. 12502-12518., Registrované v: WOS

5. [1.2] HABASAKI, Junko - LEON, Carlos - NGAI, K. L. Ionic liquids: Physics bridging two fields. In *Topics in Applied Physics*. ISSN 03034216, 2017-10-01, 132, pp. 311-354., Registrované v: SCOPUS

6. [3.1] SHIRAZINIA, M. - MEHMANDOOST-KHAJEH-DAD, A.A. - DEHGHANI, V. - MEHMANDOOST-KHAJEH-DAD, J. - KHAGHANI, M. The effect of curing light intensity on free volume size in some dental composites. In *POLYMERS IN MEDICINE*. ISSN 0370-0747, July-December 2016, vol. 46, no.2, p. 129-133

ADCA59 BARTOŠ, Josef - ANDREOZZI, L. - FAETTI, M. - ŠAUŠA, Ondrej - RAČKO, Dušan - KRIŠTIÁK, Jozef. Free volume in poly(propylene glycol) and its relationships to spin probe reorientation. In *Journal of Non-Crystalline Solids*, 2006, vol. 352, no. 42-49, p. 4785-4789. (2005: 1.264 - IF, Q1 - JCR, 1.003 - SJR, Q1 - SJR, Current Contents - CCC). (2006 - Current Contents, SCOPUS). ISSN 0022-3093. Dostupné na: <https://doi.org/10.1016/j.jnoncrysol.2006.02.165>

Ohlasy:

1. [1.1] BOGDANOV, A.V. - BOBROVSKY, A.Y. - VOROBIEV, A.K. The orientation order of liquid-crystalline polymer, measured by ESR and optical dichroism techniques. In *JOURNAL OF POLYMER SCIENCE PART B-POLYMER PHYSICS*. ISSN 0887-6266, JUL 1 2019, vol. 57, no. 13, p. 819-825., Registrované v: WOS

ADCA60 BARTOŠ, Josef - KRIŠTIÁK, Jozef. Free volume from the positron annihilation lifetime spectroscopy method and its relationships with the various microscopic and macroscopic dynamic properties of ortho-terphenyl. In *Journal of Physics: Condensed Matter*, 1999, vol. 11, p. A371-A377. (1998: 1.645 - IF, Current Contents - CCC). (1999 - Current Contents, SCOPUS). ISSN 0953-8984.

Ohlasy:

1. [1.1] ELHRARI, W. - ASSUMPTION, H. - MALLON, P.E. Correlation between positron annihilation lifetime parameters and T-1 rho relaxation times determined from solid state NMR at the compositional phase

segregation point of graft copolymers. In *POLYMER*. ISSN 0032-3861, OCT 23 2015, vol. 77, p. 95-101., Registrované v: WOS

ADCA61 BARTOŠ, Josef - KRIŠTIAK, Jozef - KANAYA, T. Free volume and microscopic dynamics in amorphous polymers. In *Physica B*, 1997, vol. 234-236, p. 435-436.

Ohlasy:

1. [1.1] NGAI, K.L. - CAPACCIOLI, S. - PREVOSTO, D. - WANG, L.M. Coupling of Caged Molecule Dynamics to JG beta-Relaxation II: Polymers. In *JOURNAL OF PHYSICAL CHEMISTRY B*. ISSN 1520-6106, SEP 24 2015, vol. 119, no. 38, p. 12502-12518., Registrované v: WOS

ADCA62 BARTOŠ, Josef - KRIŠTIAKOVÁ, Katarína - ŠAUŠA, Ondrej - KRIŠTIAK, Jozef. Free volume microstructure of tetramethylpolycarbonate at low temperatures studied by positron annihilation lifetime spectroscopy: a comparison with polycarbonate. In *Polymer*, 1996, vol. 37, no. 15, p. 3397-3403.

Ohlasy:

1. [1.1] SANDITOV, D.S. - MASHANOV, A.A. Atom Delocalization and Fluctuation Hole Formation in Amorphous Organic Polymers and Inorganic Glasses. In *POLYMER SCIENCE SERIES A*. ISSN 0965-545X, MAR 2019, vol. 61, no. 2, p. 119-127., Registrované v: WOS

ADCA63 BARTOŠ, Josef - ŠAUŠA, Ondrej - KRIŠTIAK, Jozef - BLOCHOWICZ, T. - RÖSSLER, E. Free-volume microstructure of glycerol and its supercooled liquid-state dynamics. In *Journal of Physics: Condensed Matter*, 2001, vol. 13, no. 50, p. 11473-11484. (2000: 1.608 - IF, Current Contents - CCC). (2001 - Current Contents, WOS, SCOPUS). ISSN 0953-8984. Dostupné na: <https://doi.org/10.1088/0953-8984/13/50/307>

Ohlasy:

1. [1.1] CONSOLATI, G. - NICHETTI, D. - QUASSO, F. Constraints and Thermal Expansion of the Free Volume in a Micro-phase Separated Poly(ester-adipate)urethane. In *JOURNAL OF POLYMER SCIENCE PART B-POLYMER PHYSICS*. ISSN 0887-6266, OCT 15 2016, vol. 54, no. 20, p. 2104-2109., Registrované v: WOS

2. [1.1] CONSOLATI, G. - PANZARASA, G. - QUASSO, F. Morphology of free volume holes in an amorphous polyether-polyester polyurethane of biomedical interest. In *POLYMER TESTING*. ISSN 0142-9418, JUL 2018, vol. 68, p. 208-212., Registrované v: WOS

3. [1.1] FERREIRA, A.G.M. - EGAS, A.P.V. - FONSECA, I.M.A. - COSTA, A.C. - ABREU, D.C. - LOBO, L.Q. The viscosity of glycerol. In *JOURNAL OF CHEMICAL THERMODYNAMICS*. ISSN 0021-9614, OCT 2017, vol. 113, p. 162-182., Registrované v: WOS

4. [1.1] KIPNUSU, W.K. - ELSAYED, M. - IACOB, C. - PAWLUS, S. - KRAUSE-REHBERG, R. - PALUCH, M. Glassy dynamics predicted by mutual role of free and activation volumes. In *SOFT MATTER*. ISSN 1744-683X, JUN 21 2019, vol. 15, no. 23, p. 4656-4661., Registrované v: WOS

ADCA64 BARTOŠ, Josef** - ŠVAJDLENKOVÁ, Helena - ŠAUŠA, Ondrej. Molecular probe dynamics and free volume heterogeneities in n-propanol confined in a regular MCM-41 matrix by ESR and PALS. In *RSC Advances*, 2020, vol. 10, p. 2283-2294.

(2019: 3.119 - IF, Q2 - JCR, 0.736 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 2046-2069. Dostupné na:
<https://doi.org/10.1039/c9ra09495d>

Ohlasy:

1. [1.1] JASIURKOWSKA-DELAPOORTE, M. - JUSZYNSKA-GALAZKA, E. - ZIELINSKI, P.M. - MARZEC, M. Studies of molecular dynamics and non-isothermal crystallization process of 4-n-butyloxybenzylidene-4'-n'-octylaniline (BBOA) liquid crystal under two dimensional nano-confinement. In JOURNAL OF MOLECULAR LIQUIDS. ISSN 0167-7322, JUN 15 2020, vol. 308, 113039., Registrované v: WOS

ADCA65 BARTOŠ, Josef - ŠVAJDLENKOVÁ, Helena - ŠAUŠA, Ondrej - LUKEŠOVÁ, Miroslava - EHLERS, D. - MICHL, M. - LUNKENHEIMER, P. - LOIDL, A. Molecular probe dynamics and free volume in organic glass-formers and their relationships to structural relaxation: 1-propanol. In *Journal of Physics: Condensed Matter*, 2016, vol. 28, no. 1, 015101. (2015: 2.209 - IF, Q2 - JCR, 1.043 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0953-8984. Dostupné na: <https://doi.org/10.1088/0953-8984/28/1/015101>

Ohlasy:

1. [1.1] SOLUNOV, Hristo Aleksandrov. Relations between the sub-molecular and the cooperative scales in the molecular dynamics of the glass-forming liquids. In JOURNAL OF NON-CRYSTALLINE SOLIDS. ISSN 0022-3093, 2019, vol. 503, pp. 340-351., Registrované v: WOS

ADCA66 BARTOŠ, Josef - ŠAUŠA, Ondrej - KOHLER, M. - ŠVAJDLENKOVÁ, Helena - LUNKENHEIMER, P. - KRÍŠTIÁK, Jozef - LOIDL, A. Positron annihilation and broadband dielectric spectroscopy : A series of propylene glycols. In *Journal of Non-Crystalline Solids*, 2011, vol. 357, no. 2, p. 376-384. (2010: 1.492 - IF, Q1 - JCR, 0.910 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents, SCOPUS). ISSN 0022-3093. Dostupné na:
<https://doi.org/10.1016/j.jnoncrysol.2010.07.030>

Ohlasy:

1. [1.1] ARAUJO, S. - DELPOUVE, N. - DOMENEK, S. - GUINAULT, A. - GOLOVCHAK, R. - SZATANIK, R. - INGRAM, A. - FAUCHARD, C. - DELBREILH, L. - DARGENT, E. Cooperativity Scaling and Free Volume in Plasticized Polylactide. In MACROMOLECULES. ISSN 0024-9297, AUG 27 2019, vol. 52, no. 16, pp. 6107-6115., Registrované v: WOS
2. [1.1] CARDONA, J. - FARTARIA, R. - SWEATMAN, M.B. - LUE, L. Molecular dynamics simulations for the prediction of the dielectric spectra of alcohols, glycols and monoethanolamine. In MOLECULAR SIMULATION. ISSN 0892-7022, MAR 23 2016, vol. 42, no. 5, p. 370-390., Registrované v: WOS
3. [1.1] SAMANTA, S. - RICHERT, R. Electrorheological Source of Nonlinear Dielectric Effects in Molecular Glass-Forming Liquids. In JOURNAL OF PHYSICAL CHEMISTRY B. ISSN 1520-6106, AUG 11 2016, vol. 120, no. 31, p. 7737-7744., Registrované v: WOS

ADCA67 BARTOŠ, Josef - MAJERNÍK, V. - ISKROVÁ, Martina, Miklošovičová - ŠAUŠA, Ondrej - KRÍŠTIÁK, Jozef - LUNKENHEIMER, P. - LOIDL, A. Positron annihilation response and broadband dielectric spectroscopy: Propylene carbonate.

In *Journal of Non-Crystalline Solids*, 2010, vol. 356, p. 794 - 799. (2009: 1.252 - IF, Q1 - JCR, 0.922 - SJR, Q1 - SJR, Current Contents - CCC). (2010 - Current Contents, SCOPUS). ISSN 0022-3093. Dostupné na: <https://doi.org/10.1016/j.jnoncrysol.2009.03.014>

Ohlasy:

1. [1.1] NGAI, K.L. - CAPACCIOLI, S. - PREVOSTO, D. - WANG, L.M. Coupling of Caged Molecule Dynamics to JG beta-Relaxation III: van der Waals Glasses. In *JOURNAL OF PHYSICAL CHEMISTRY B*. ISSN 1520-6106, SEP 24 2015, vol. 119, no. 38, p. 12519-12525., Registrované v: WOS

ADCA68 BARTOŠ, Josef - ŠAUŠA, Ondrej - SCHWARTZ, G.A. - ALEGRÍA, A. - ALBERDI, J.M. - ARBE, A. - KRIŠTIK, Jozef - COLMENERO, J. Positron annihilation and relaxation dynamics from dielectric spectroscopy and nuclear magnetic resonance: Cis-trans-1,4-poly(butadiene). In *Journal of Chemical Physics*, 2011, vol. 134, no. 16, 164507, p. 1-10. (2010: 2.921 - IF, Q1 - JCR, 1.777 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents). ISSN 0021-9606. Dostupné na: <https://doi.org/10.1140/epje/i2011-11104-x>

Ohlasy:

1. [1.1] NGAI, K.L. - CAPACCIOLI, S. - PREVOSTO, D. - WANG, L.M. Coupling of Caged Molecule Dynamics to JG beta-Relaxation II: Polymers. In *JOURNAL OF PHYSICAL CHEMISTRY B*. ISSN 1520-6106, SEP 24 2015, vol. 119, no. 38, p. 12502-12518., Registrované v: WOS
2. [1.1] NI, Yelin - SONG, Hosup - WILCOX, Daniel A. - MEDVEDEV, Grigori A. - BOUDOURIS, Bryan W. - CARUTHERS, James M. Rethinking the Analysis of the Linear Viscoelastic Behavior of an Epoxy Polymer near and above the Glass Transition. In *MACROMOLECULES*. ISSN 0024-9297, 2020, vol. 53, no. 5, pp. 1867-1880., Registrované v: WOS
3. [1.1] THANGSWAMY, M. - DUTTA, D. - MAHESHWARI, P. - SEN, D. - PUJARI, P.K. Energetics of ice nucleation in mesoporous titania using positron annihilation spectroscopy. In *PHYSICAL CHEMISTRY CHEMICAL PHYSICS*. ISSN 1463-9076, 2019, vol. 21, no. 11, pp. 6033-6041., Registrované v: WOS
4. [1.2] GOMES, Ana Catarina de O. - SOARES, Bluma G. - OLIVEIRA, Marcia G. - MACHADO, José C. - WINDMÖLLER, Dario - PARANHOS, Caio M. Characterization of crystalline structure and free volume of polyamide 6/nitrile rubber elastomer thermoplastic vulcanizates: Effect of the processing additives. In *Journal of Applied Polymer Science*. ISSN 00218995, 2017-12-20, 134, 48, pp., Registrované v: SCOPUS

ADCA69 BARTOŠ, Josef - ISKROVÁ - MIKLOŠOVIČOVÁ, Martina, Miklošovičová - CANGIALOSI, D. - ALEGRÍA, A. - ŠAUŠA, Ondrej - ŠVAJDLENKOVÁ, Helena - ARBE, A. - KRIŠTIK, Jozef - COLMENERO, J. Positron annihilation and relaxation dynamics from dielectric spectroscopy: poly (vinylmethylether). In *Journal of Physics: Condensed Matter*, 2012, vol. 24, no. 15, art. no. 155104. (2011: 2.546 - IF, Q2 - JCR, 1.660 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0953-8984. Dostupné na: <https://doi.org/10.1016/j.jnoncrysol.2010.07.030>

Ohlasy:

1. [1.1] CONSOLATI, G. - PANZARASA, G. - QUASSO, F.

Morphology of free volume holes in an amorphous polyether-polyester polyurethane of biomedical interest. In POLYMER TESTING. ISSN 0142-9418, JUL 2018, vol. 68, p. 208-212., Registrované v: WOS

2. [1.1] DRYZEK, E. - JUSZYNSKA-GALAZKA, E. - ZALESKI, R. - JASINSKA, B. - EUSEBIO, M.E.S. Free volume in the smectic-E phase of 4-hexyl-4'-isothiocyanatobiphenyl studied by positron annihilation spectroscopy. In PHYSICAL REVIEW E. ISSN 2470-0045, FEB 26 2020, vol. 101, no. 2, 022705., Registrované v: WOS

3. [1.1] KIPNUSU, W.K. - ELSAYED, M. - KOSSACK, W. - PAWLUS, S. - ADRJANOWICZ, K. - TRESS, M. - MAPESA, E.U. - KRAUSE-REHBERG, R. - KAMINSKI, K. - KREMER, F. Confinement for More Space: A Larger Free Volume and Enhanced Glassy Dynamics of 2-Ethyl-1-hexanol in Nanopores. In JOURNAL OF PHYSICAL CHEMISTRY LETTERS. ISSN 1948-7185, SEP 17 2015, vol. 6, no. 18, p. 3708-3712., Registrované v: WOS

4. [1.1] NGAI, K.L. - CAPACCIOLI, S. - PREVOSTO, D. - WANG, L.M. Coupling of Caged Molecule Dynamics to JG beta-Relaxation II: Polymers. In JOURNAL OF PHYSICAL CHEMISTRY B. ISSN 1520-6106, SEP 24 2015, vol. 119, no. 38, p. 12502-12518., Registrované v: WOS

ADCA70 BARTOŠ, Josef - ŠAUŠA, Ondrej - RAČKO, Dušan - KRIŠTIÁK, Jozef - FONTANELLA, J.J. Positron annihilation lifetime response and relaxation dynamics in glycerol. In *Journal of Non-Crystalline Solids*, 2005, vol. 351, no. 33-36, p. 2599-2604. (2004: 1.433 - IF, Current Contents - CCC). (2005 - Current Contents, SCOPUS). ISSN 0022-3093. Dostupné na: <https://doi.org/10.1016/j.jnoncrysol.2005.04.084>

Ohlasy:

1. [1.1] CONSOLATI, G. - NICHETTI, D. - VANGOSA, F.B. - QUASSO, F. BEYOND THE SPHERICAL APPROXIMATION: ELONGATED FREE VOLUME HOLES IN RUBBERS: A POSITRON ANNIHILATION STUDY. In RUBBER CHEMISTRY AND TECHNOLOGY. ISSN 0035-9475, OCT-DEC 2019, vol. 92, no. 4, p. 709-721., Registrované v: WOS

ADCA71 BARTOŠ, Josef - ISKROVÁ, Martina, Miklošovičová - KOHLER, M. - WEHN, R. - ŠAUŠA, Ondrej - LUNKENHEIMER, P. - KRIŠTIÁK, Jozef - LOIDL, A. Positron annihilation response and broadband dielectric spectroscopy: Salol. In *European Physical Journal E : Soft Matter and Biological Physics*, 2011, vol. 34, p. 104 - 114. (2010: 2.096 - IF, Q1 - JCR, 1.115 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 1292-8941. Dostupné na: <https://doi.org/10.1140/epje/i2011-11104-x>

Ohlasy:

1. [1.1] CICERONE, M.T. - PIKAL, M.J. - QIAN, K.K. Stabilization of proteins in solid form. In ADVANCED DRUG DELIVERY REVIEWS. ISSN 0169-409X, OCT 1 2015, vol. 93, p. 14-24., Registrované v: WOS

2. [1.1] KREMER, F. - KOSSACK, W. - ANTON, A.M. Glassy Dynamics as Reflected in the Inter- and Intra-molecular Interactions. In SCALING OF RELAXATION PROCESSES. ISSN 2190-930X, 2018, p. 61-76., Registrované v: WOS

3. [1.1] RICHERT, R. SUPERCOOLED LIQUIDS AND GLASSES BY DIELECTRIC RELAXATION SPECTROSCOPY. In ADVANCES IN

- ADCA72 BARTOŠ, Josef - SCHWARTZ, G.A. - ŠAUSĀ, Ondrej - ALEGRÍA, A. - KRIŠTIÁK, Jozef - COLMENERO, J. Positron annihilation response and broadband dielectric spectroscopy: Poly(propylene glycol). In *Journal of Non-Crystalline Solids*, 2010, vol. 356, p. 782 - 786. (2009: 1.252 - IF, Q1 - JCR, 0.922 - SJR, Q1 - SJR, Current Contents - CCC). (2010 - Current Contents, SCOPUS). ISSN 0022-3093. Dostupné na: <https://doi.org/10.1016/j.tsf.2013.05.102>

Ohlasy:

- [1.1] DRYZEK, E. - JUSZYNSKA-GALAZKA, E. - ZALESKI, R. - JASINSKA, B. - EUSEBIO, M. E. S. Free volume in the smectic-E phase of 4-hexyl-4' isothiocyantobiphenyl studied by positron annihilation spectroscopy. In *PHYSICAL REVIEW E*. ISSN 2470-0045, 2020, vol. 101, no. 2, 022705., Registrované v: WOS

- ADCA73 BARTOŠ, Josef - ALEGRÍA, A. - ŠAUSĀ, Ondrej - TYAGI, M. - GÓMEZ, D. - KRIŠTIÁK, Jozef - COLMENERO, J. Positron-annihilation-lifetime response and broadband dielectric relaxation spectroscopy: diethyl phthalate. In *Physical Review E*. Statistical physics, plasmas, fluids, 2007, vol. 76, 031503-1 - 031503-9. (2006: 2.438 - IF, Q1 - JCR, 1.266 - SJR, Q1 - SJR, Current Contents - CCC). (2007 - Current Contents). ISSN 2470-0045.

Ohlasy:

- [1.1] CONSOLATI, G. - NICHETTI, D. - QUASSO, F. Constraints and Thermal Expansion of the Free Volume in a Micro-phase Separated Poly(ester-adipate)urethane. In *JOURNAL OF POLYMER SCIENCE PART B-POLYMER PHYSICS*. ISSN 0887-6266, OCT 15 2016, vol. 54, no. 20, p. 2104-2109., Registrované v: WOS
- [1.1] CONSOLATI, G. - PANZARASA, G. - QUASSO, F. Morphology of free volume holes in an amorphous polyether-polyester polyurethane of biomedical interest. In *POLYMER TESTING*. ISSN 0142-9418, JUL 2018, vol. 68, p. 208-212., Registrované v: WOS

- ADCA74 BARUFFA, F. - STAÑO, Peter - FABIAN, J. Spin-orbit coupling and anisotropic exchange in two-electron double quantum dots. In *Physical Review B*, 2010, vol. 82, no. 4, 045311. (2009: 3.475 - IF, 3.107 - SJR, Q1 - SJR, Current Contents - CCC). (2010 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.82.045311>

Ohlasy:

- [1.1] DENG, Kuangyin - BARNES, Edwin. Interplay of exchange and superexchange in triple quantum dots. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2020, vol. 102, no. 3, 035427., Registrované v: WOS
- [1.1] KIRAVITTAYA, Suwit - THAINOI, Supachok Zon - RATANATHAMMAPHAN, Somchai - KANJANACHUCHAI, Songphol - PANYAKEOW, Somsak. Toward Quantum State Manipulation in Twin InSb/GaAs Quantum Dots. In *2017 INTERNATIONAL ELECTRICAL ENGINEERING CONGRESS (IEECON)*. ISSN 2474-4697, 2017., Registrované v: WOS
- [1.1] MILIVOJEVIC, Marko - STEPANENKO, Dimitrije. Effective spin Hamiltonian of a gated triple quantum dot in the presence of spin-orbit

interaction. In JOURNAL OF PHYSICS-CONDENSED MATTER. ISSN 0953-8984, 2017, vol. 29, no. 40, 405302., Registrované v: WOS

4. [1.1] NAKAJIMA, Takashi - DELBECQ, Matthieu R. - OTSUKA, Tomohiro - STANO, Peter - AMAHA, Shinichi - YONEDA, Jun - NOIRI, Akito - KAWASAKI, Kento - TAKEDA, Kenta - ALLISON, Giles - LUDWIG, Arne - WIECK, Andreas D. - LOSS, Daniel - TARUCHA, Seigo. Robust Single-Shot Spin Measurement with 99.5% Fidelity in a Quantum Dot Array. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2017, vol. 119, no. 1, 017701., Registrované v: WOS

5. [1.1] RAMIREZ, Hanz Y. - CHOU, Ying-Lin - CHENG, Shun-Jen. Effects of electrostatic environment on the electrically triggered production of entangled photon pairs from droplet epitaxial quantum dots. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2019, vol. 9, 1547., Registrované v: WOS

ADCA75 BARUFFA, F. - STAŇO, Peter - FABIAN, J. Theory of anisotropic exchange in laterally coupled quantum dots. In *Physical Review Letters*, 2010, vol. 104, no. 12, 126401. (2009: 7.328 - IF, 6.325 - SJR, Q1 - SJR, Current Contents - CCC). (2010 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.104.126401>

Ohlasy:

1. [1.1] AKTURK, Abdurrahman - TAS, Hatice - KOKSAL, Koray - SAHIN, Mehmet. The electronic and optical properties of a triexciton in CdSe/ZnS core/shell quantum dot nanocrystals. In PHILOSOPHICAL MAGAZINE. ISSN 1478-6435, 2016, vol. 96, no. 6, pp. 584-595., Registrované v: WOS

2. [1.1] ELYASI, Mehrdad - BHATIA, Charanjit S. - QIU, Cheng-Wei - YANG, Hyunsoo. Cloaking the magnons. In PHYSICAL REVIEW B. ISSN 2469-9950, 2016, vol. 93, no. 10, 104418., Registrované v: WOS

3. [1.1] FENG, Li-Qin - LI, Jing-Qi - XIAO, Jing-Lin. Temperature effects on excited state of strong-coupling polaron in an asymmetric RbCl quantum dot. In MODERN PHYSICS LETTERS B. ISSN 0217-9849, 2015, vol. 29, no. 2, 1450261., Registrované v: WOS

4. [1.1] LESNICKI, J. - SZAFRAN, B. Spin separation and exchange for quantum dots in the Overhauser field. In PHYSICAL REVIEW B. ISSN 2469-9950, 2017, vol. 95, no. 19, 195302., Registrované v: WOS

5. [1.1] LIU, Zhi-Hai - ENTIN-WOHLMAN, O. - AHARONY, A. - YOU, J. Q. Control of the two-electron exchange interaction in a nanowire double quantum dot. In PHYSICAL REVIEW B. ISSN 2469-9950, 2018, vol. 98, no. 24, 241303., Registrované v: WOS

6. [1.1] MILADIC, Suzana - STIPSIC, Pavle - DOBARDZIC, Edib - MILIVOJEVIC, Marko. Electrical control of a spin qubit in InSb nanowire quantum dots: Strongly suppressed spin relaxation in high magnetic field. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 101, no. 15, 155307., Registrované v: WOS

7. [1.1] MILIVOJEVIC, Marko - STEPANENKO, Dimitrije. Effective spin Hamiltonian of a gated triple quantum dot in the presence of spin-orbit interaction. In JOURNAL OF PHYSICS-CONDENSED MATTER. ISSN 0953-8984, 2017, vol. 29, no. 40, 405302., Registrované v: WOS

8. [1.1] MILIVOJEVIC, Marko. Symmetric spin-orbit interaction in triple quantum dot and minimisation of spin-orbit leakage in CNOT gate. In

JOURNAL OF PHYSICS-CONDENSED MATTER. ISSN 0953-8984, 2018, vol. 30, no. 8, 085302., Registrované v: WOS

9. [1.1] NAKAJIMA, Takashi - DELBECQ, Matthieu R. - OTSUKA, Tomohiro - STANO, Peter - AMAHA, Shinichi - YONEDA, Jun - NOIRI, Akito - KAWASAKI, Kento - TAKEDA, Kenta - ALLISON, Giles - LUDWIG, Arne - WIECK, Andreas D. - LOSS, Daniel - TARUCHA, Seigo. Robust Single-Shot Spin Measurement with 99.5% Fidelity in a Quantum Dot Array. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2017, vol. 119, no. 1, 017701., Registrované v: WOS

10. [1.1] STIPSIC, Pavle - MILIVOJEVIC, Marko. Control of a spin qubit in a lateral GaAs quantum dot based on symmetry of gating potential. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 101, no. 16, 165302., Registrované v: WOS

11. [1.1] TANAMOTO, Tetsufumi - ONO, Keiji - LIU, Yu-xi - NORI, Franco. Dynamic creation of a topologically-ordered Hamiltonian using spin-pulse control in the Heisenberg model. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2015, vol. 5, 10076., Registrované v: WOS

12. [1.1] WANG, Daisy Q. - KLOCHAN, Oleh - HUNG, Jo-Tzu - CULCER, Dimitrie - FARRER, Ian - RITCHIE, David A. - HAMILTON, Alex R. Anisotropic Pauli Spin Blockade of Holes in a GaAs Double Quantum Dot. In NANO LETTERS. ISSN 1530-6984, 2016, vol. 16, no. 12, pp. 7685-7689., Registrované v: WOS

ADCA76 BARZAKH, A.E. - ANDREYEV, A.N. - COCOLIOS, T.E. - DE GROOTE, R. P. - FEDOROV, D. V. - FEDOSSEEV, V. N. - FERRER, R. - FINK, D. A. - GHYS, L. - HUYSE, M. - KOSTER, U. - LANE, J. - LIBERATI, V. - LYNCH, K. M. - MARCH, B. A. - MOLKANOV, P. L. - PROCTER, T. J. - RAPISARDA, E. - ROTHE, S. - SANDHU, K. - SELIVERSTOV, M. D. - SJODIN, A. M. - VAN BEVEREN, C. - VAN DUPPEN, P. - VENHART, Martin - VESELSKÝ, Martin. Changes in mean-squared charge radii and magnetic moments of 179-184Tl measured by in-source laser spectroscopy. In *Physical Review C*, 2017, vol. 95, no. 1, art. no. 014324. (2016: 3.820 - IF, Q1 - JCR, 1.936 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.95.014324>

Ohlasy:

1. [1.1] BADRAN, H. - SCHOLEY, C. - UUSITALO, J. - AURANEN, K. - GRAHN, T. - GREENLEES, P. T. - HERZAN, A. - JAKOBSSON, U. - JULIN, R. - JUUTINEN, S. - KONKI, J. - LEINO, M. - MALLABURN, M. J. - PAKARINEN, J. - PAPADAKIS, P. - PARTANEN, J. - PEURA, P. - RAHKILA, P. - SANDZELIUS, M. - SAREN, J. - SORRI, J. - STOLZE, S. Decay spectroscopy of Pb-179(82)97 and evidence for a 9/2(-) intruder state in Tl-179(81)98. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 96, no. 6, 064314., Registrované v: WOS

2. [1.1] KONDEV, F. G. Nuclear Data Sheets for A=177. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2019, vol. 159, pp. 1-412., Registrované v: WOS

3. [1.1] LI, C. B. - WU, X. G. - ZHENG, Y. - JIN, Y. J. - MA, H. L. - LI, G. S. - ZHONG, J. - ZHU, B. J. - LI, T. X. - GAO, Y. X. - GUAN, X. - LIU, J. Q. Level structure in the transitional nucleus Tl-199. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 3, 034331., Registrované v: WOS

4. [1.1] PROSNYAK, S. D. - MAISON, D. E. - SKRIPNIKOV, L. V. Hyperfine structure in thallium atom: Study of nuclear magnetization distribution effects. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2020, vol. 152, no. 4, 044301., Registrované v: WOS

ADCA77 BASSO, V. - BERTOTTI, G. - DUHAJ, Pavol - FERRARA, E. - HASLAR, V. - KRAUS, L. - POKORNY, J. - ZAVETA, K. Microstructural and magnetic investigation of partially crystallized amorphous ribbons. In *Journal of Magnetism and Magnetic Materials*, 1996, vol. 157, p. 217-219. (1995: 1.208 - IF, Current Contents - CCC). (1996 - Current Contents, WOS, SCOPUS). ISSN 0304-8853.

Ohlasy:

1. [1.1] RIVAS, Montserrat - GORRIA, Pedro - MUNOZ-GOMEZ, Cristina - CARLOS MARTINEZ-GARCIA, Jose. Quasi-Static AC FORC Measurements for Soft Magnetic Materials and Their Differential Interpretation. In IEEE TRANSACTIONS ON MAGNETICS. ISSN 0018-9464, 2017, vol. 53, no. 11, 2003606., Registrované v: WOS

ADCA78 BAVARESCO, Jessica - HERRERA VALENCIA, Natalia - KLÖCKL, Claude - PIVOLUSKA, Matej - ERKER, Paul - FRIIS, Nicolai** - MALIK, Mehul** - HUBER, Marcus**. Measurements in two bases are sufficient for certifying high-dimensional entanglement. In *Nature Physics*, 2018, vol. 14, no. 10, p. 1032-1037. (2017: 22.727 - IF, Q1 - JCR, 9.791 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 1745-2473. Dostupné na: <https://doi.org/10.1038/s41567-018-0203-z>

Ohlasy:

1. [1.1] ADHIKARI, Satyabrata. Estimation of entanglement negativity of a two-qubit quantum system with two measurements. In EPL. ISSN 0295-5075, 2018, vol. 124, no. 4, 40006., Registrované v: WOS
2. [1.1] ASBAN, Shahaf - MUKAMEL, Shaul. Scattering-Based Geometric Shaping of Photon-Photon Interactions. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 123, no. 26., Registrované v: WOS
3. [1.1] BAE, Joonwoo - CHRUSCINSKI, Dariusz - HIESMAYR, Beatrix C. Mirrored entanglement witnesses. In NPJ QUANTUM INFORMATION, 2020, vol. 6, no. 1, 15., Registrované v: WOS
4. [1.1] BRANDT, Florian - HIEKKAMAKI, Markus - BOUCHARD, Frederic - HUBER, Marcus - FICKLER, Robert. High-dimensional quantum gates using full-field spatial modes of photons. In OPTICA. ISSN 2334-2536, 2020, vol. 7, no. 2, pp. 98-107., Registrované v: WOS
5. [1.1] COLADANGELO, Andrea - STARK, Jalex. An inherently infinite-dimensional quantum correlation. In NATURE COMMUNICATIONS. ISSN 2041-1723, 2020, vol. 11, no. 1., Registrované v: WOS
6. [1.1] COZZOLINO, Daniele - BACCO, Davide - DA LIO, Beatrice - INGERSLEV, Kasper - DING, Yunhong - DALGAARD, Kjeld - KRISTENSEN, Poul - GALILI, Michael - ROTTWITT, Karsten - RAMACHANDRAN, Siddharth - OXENLOWE, Leif Katsuo. Orbital Angular Momentum States Enabling Fiber-based High-dimensional Quantum Communication. In PHYSICAL REVIEW APPLIED. ISSN 2331-7019, 2019, vol. 11, no. 6, 064058., Registrované v: WOS
7. [1.1] DEFIENNE, Hugo - FACCIO, Daniele. Arbitrary spatial mode sorting in a multimode fiber. In PHYSICAL REVIEW A. ISSN 1050-2947,

2020, vol. 101, no. 6, 063830., Registrované v: WOS

8. [1.1] ERHARD, Manuel - KRENN, Mario - ZEILINGER, Anton. Advances in high-dimensional quantum entanglement. In NATURE REVIEWS PHYSICS, 2020, vol. 2, no. 7, pp. 365-381., Registrované v: WOS

9. [1.1] FADEL, Matteo - ALOY, Albert - TURA, Jordi. Bounding the fidelity of quantum many-body states from partial information. In PHYSICAL REVIEW A. ISSN 2469-9926, 2020, vol. 102, no. 2, 020401., Registrované v: WOS

10. [1.1] FICKLER, Robert - BOUCHARD, Frederic - GIESE, Enno - GRILLO, Vincenzo - LEUCHS, Gerd - KARIMI, Ebrahim. Full-field mode sorter using two optimized phase transformations for high-dimensional quantum cryptography. In JOURNAL OF OPTICS. ISSN 2040-8978, 2020, vol. 22, no. 2, 024001., Registrované v: WOS

11. [1.1] GUO, Yu - CHENG, Shuming - HU, Xiaomin - LIU, Bi-Heng - HUANG, En-Ming - HUANG, Yun-Feng - LI, Chuan-Feng - GUO, Guang-Can - CAVALCANTI, Eric G. Experimental Measurement-Device-Independent Quantum Steering and Randomness Generation Beyond Qubits. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 123, no. 17, 170402., Registrované v: WOS

12. [1.1] GUO, Yu - YU, Bai-Chu - HU, Xiao-Min - LIU, Bi-Heng - WU, Yu-Chun - HUANG, Yun-Feng - LI, Chuan-Feng - GUO, Guang-Can. Measurement-device-independent quantification of irreducible high-dimensional entanglement. In NPJ QUANTUM INFORMATION, 2020, vol. 6, no. 1, 52., Registrované v: WOS

13. [1.1] HUBER, Marcus - LAMI, Ludovico - LANCIEN, Cecilia - MUELLER-HERMES, Alexander. High-Dimensional Entanglement in States with Positive Partial Transposition. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2018, vol. 121, no. 20, 200503., Registrované v: WOS

14. [1.1] HU, Xiao-Min - XING, Wen-Bo - ZHANG, Chao - LIU, Bi-Heng - PIVOLUSKA, Matej - HUBER, Marcus - HUANG, Yun-Feng - LI, Chuan-Feng - GUO, Guang-Can. Experimental creation of multi-photon high-dimensional layered quantum states. In NPJ QUANTUM INFORMATION, 2020, vol. 6, no. 1, 88., Registrované v: WOS

15. [1.1] HU, Xiao-Min - XING, Wen-Bo - LIU, Bi-Heng - HUANG, Yun-Feng - LI, Chuan-Feng - GUO, Guang-Can - ERKER, Paul - HUBER, Marcus. Efficient Generation of High-Dimensional Entanglement through Multipath Down-Conversion. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2020, vol. 125, no. 9, 090503., Registrované v: WOS

16. [1.1] IMANY, Poolad - LINGARAJU, Navin B. - ALSHAYKH, Mohammed S. - LEAIRD, Daniel E. - WEINER, Andrew M. Probing quantum walks through coherent control of high-dimensionally entangled photons. In SCIENCE ADVANCES. ISSN 2375-2548, 2020, vol. 6, no. 29, eaba8066., Registrované v: WOS

17. [1.1] JEBARATHINAM, C. - HOME, Dipankar - SINHA, Urbasi. Pearson correlation coefficient as a measure for certifying and quantifying high-dimensional entanglement. In PHYSICAL REVIEW A. ISSN 1050-2947, 2020, vol. 101, no. 2, 022112., Registrované v: WOS

18. [1.1] JIANG, Xinhe - WANG, Kun - QIAN, Kaiyi - CHEN, Zhaozhong - CHEN, Zhiyu - LU, Liangliang - XIA, Lijun - SONG, Fangmin - ZHU, Shining - MA, Xiaosong. Towards the standardization of quantum state

- verification using optimal strategies. In NPJ QUANTUM INFORMATION, 2020, vol. 6, no. 1, 90., Registrované v: WOS
19. [1.1] KONG, Ling-Jun - LIU, Rui - QI, Wen-Rong - WANG, Zhou-Xiang - HUANG, Shuang-Yin - TU, Chenghou - LI, Yongnan - WANG, Hui-Tian. Asymptotical Locking Tomography of High-Dimensional Entanglement. In CHINESE PHYSICS LETTERS. ISSN 0256-307X, 2020, vol. 37, no. 3, 034204., Registrované v: WOS
20. [1.1] KRENN, Mario - ERHARD, Manuel - ZEILINGER, Anton. Computer-inspired quantum experiments. In NATURE REVIEWS PHYSICS, 2020, vol. 2, no. 11, pp. 649-661., Registrované v: WOS
21. [1.1] KYSELA, Jaroslav - ERHARD, Manuel - HOCHRAINER, Armin - KRENN, Mario - ZEILINGER, Anton. Path identity as a source of high-dimensional entanglement. In PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA. ISSN 0027-8424, 2020, vol. 117, no. 42, pp. 26118-26122., Registrované v: WOS
22. [1.1] LIU, Shilong - LIU, Shikai - YANG, Chen - XU, Zhaohuai - LI, Yinhai - LI, Yan - ZHOU, Zhiyuan - GUO, Guangcan - SHI, Baosen. Classical simulation of high-dimensional entanglement by non-separable angular-radial modes. In OPTICS EXPRESS. ISSN 1094-4087, 2019, vol. 27, no. 13, pp. 18363-18375., Registrované v: WOS
23. [1.1] LIU, Shilong - ZHANG, Yingwen - YANG, Chen - LIU, Shikai - GE, Zheng - LI, Yinhai - LI, Yan - ZHOU, Zhiyuan - GUO, Guangcan - SHI, Baosen. Increasing two-photon entangled dimensions by shaping input-beam profiles. In PHYSICAL REVIEW A. ISSN 2469-9926, 2020, vol. 101, no. 5, 052324., Registrované v: WOS
24. [1.1] LI, Shikang - ZHANG, Shan - FENG, Xue - BARNETT, Stephen M. - ZHANG, Wei - CUI, Kaiyu - LIU, Fang - HUANG, Yidong. Programmable Coherent Linear Quantum Operations with High-Dimensional Optical Spatial Modes. In PHYSICAL REVIEW APPLIED. ISSN 2331-7019, 2020, vol. 14, no. 2, 024027., Registrované v: WOS
25. [1.1] NDAGANO, Bienvenu - DEFIENNE, Hugo - LYONS, Ashley - STARSHYNOV, Ilya - VILLA, Federica - TISA, Simone - FACCIO, Daniele. Imaging and certifying high-dimensional entanglement with a single-photon avalanche diode camera. In NPJ QUANTUM INFORMATION, 2020, vol. 6, no. 1, 94., Registrované v: WOS
26. [1.1] QIN, Huawang - TANG, Wallace K. S. - TSO, Raylin. Hierarchical Quantum Secret Sharing Based On Special High-Dimensional Entangled State. In IEEE JOURNAL OF SELECTED TOPICS IN QUANTUM ELECTRONICS. ISSN 1077-260X, 2020, vol. 26, no. 3, 6600106., Registrované v: WOS
27. [1.1] SAGGIO, Valeria - DIMIC, Aleksandra - GREGANTI, Chiara - ROZEMA, Lee A. - WALTHER, Philip - DAKIC, Borivoje. Experimental few-copy multipartite entanglement detection. In NATURE PHYSICS. ISSN 1745-2473, 2019, vol. 15, no. 9, pp. 935-+, Registrované v: WOS
28. [1.1] SCIARA, Stefania - REIMER, Christian - KUES, Michael - RORTOCKI, Piotr - CINO, Alfonso - MOSS, David J. - CASPANI, Lucia - MUNRO, William J. - MORANDOTTI, Roberto. Universal N-Partite d-Level Pure-State Entanglement Witness Based on Realistic Measurement Settings. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 122, no. 12, 120501., Registrované v: WOS

29. [1.1] SHI, Shuai - DONG, Ming-Xin - YU, Yi-Chen - YE, Ying-Hao - ZHANG, Wei - WANG, Kai - GUO, Guang-Can - DING, Dong-Sheng - SHI, Bao-Sen. Entangled qutrits generated in four-wave mixing without post-selection. In OPTICS EXPRESS. ISSN 1094-4087, 2020, vol. 28, no. 8, pp. 11538-11547., Registrované v: WOS
30. [1.1] SCHNEELOCH, James - TISON, Christopher C. - FANTO, Michael L. - ALSING, Paul M. - HOWLAND, Gregory A. Quantifying entanglement in a 68-billion-dimensional quantum state space. In NATURE COMMUNICATIONS. ISSN 2041-1723, 2019, vol. 10, 2785., Registrované v: WOS
31. [1.1] SORELLI, Giacomo - LEONHARD, Nina - SHATOKHIN, Vyacheslav N. - REINLEIN, Claudia - BUCHLEITNER, Andreas. Entanglement protection of high-dimensional states by adaptive optics. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2019, vol. 21, 023003., Registrované v: WOS
32. [1.1] SPEE, Cornelia - SIEBENEICH, Hendrik - GLOGER, Timm Florian - KAUFMANN, Peter - JOHANNING, Michael - KLEINMANN, Matthias - WUNDERLICH, Christof - GUEHNE, Otfried. Genuine temporal correlations can certify the quantum dimension. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2020, vol. 22, no. 2, 023028., Registrované v: WOS
33. [1.1] TONINELLI, Ermes - NDAGANO, Bienvenu - VALLES, Adam - SEPHTON, Bereneice - NAPE, Isaac - AMBROSIO, Antonio - CAPASSO, Federico - PADGETT, Miles J. - FORBES, Andrew. Concepts in quantum state tomography and classical implementation with intense light: a tutorial. In ADVANCES IN OPTICS AND PHOTONICS. ISSN 1943-8206, 2019, vol. 11, no. 1, pp. 67-134., Registrované v: WOS
34. [1.1] TRAVNICEK, Vojtech - BARTKIEWICZ, Karol - CERNOCH, Antonin - LEMR, Karel. Experimental Diagnostics of Entanglement Swapping by a Collective Entanglement Test. In PHYSICAL REVIEW APPLIED. ISSN 2331-7019, 2020, vol. 14, no. 6, 064071., Registrované v: WOS
35. [1.1] VERGYRIS, Panagiotis - MAZEAS, Florent - GOUZIEN, Elie - LABONTE, Laurent - ALIBART, Olivier - TANZILLI, Sebastien - KAISER, Florian. Fibre based hyperentanglement generation for dense wavelength division multiplexing. In QUANTUM SCIENCE AND TECHNOLOGY. ISSN 2058-9565, 2019, vol. 4, no. 4, 045007., Registrované v: WOS
36. [1.1] WEILENMANN, M. - DIVE, B. - TRILLO, D. - AGUILAR, E. A. - NAVASCUES, M. Entanglement Detection beyond Measuring Fidelities. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2020, vol. 124, no. 20, 200502., Registrované v: WOS
37. [1.1] WU, Jun-Yi - MURAO, Mio. Complementary properties of multiphoton quantum states in linear optics networks. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2020, vol. 22, no. 10, 103054., Registrované v: WOS
38. [1.1] WU, Jun-Yi. Adaptive State Fidelity Estimation for Higher Dimensional Bipartite Entanglement. In ENTROPY, 2020, vol. 22, no. 8, 886., Registrované v: WOS
39. [1.1] XIA, Zheng-Tong. Nonexotic-exotic bipartite mode entanglements of an SU(3) baryon. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2019, vol. 989, pp. 97-116., Registrované v: WOS
40. [1.1] ZHOU, Yiyu - MIRHOSSEINI, Mohammad - OLIVER, Stone - ZHAO, Jiapeng - RAFSANJANI, Seyed Mohammad Hashemi - LAVERY,

Martin P. J. - WILLNER, Alan E. - BOYD, Robert W. Using all transverse degrees of freedom in quantum communications based on a generic mode sorter. In *OPTICS EXPRESS*. ISSN 1094-4087, 2019, vol. 27, no. 7, pp. 10383-10394., Registrované v: WOS

ADCA79 BAYINDIR, Mehmet - AYDIN, K. - OZBAY, E. - MARKOŠ, Peter - SOUKOULIS, C.M. Transmission properties of composite metamaterials in free space. In *Applied Physics Letters*, 2002, vol. 81, no. 1, p. 120-122. ISSN 0003-6951. Dostupné na: <https://doi.org/10.1063/1.1492009>

Ohlasy:

1. [1.1] ALAVIKIA, Babak - KABIRI, Ali - RAMAHI, Omar M. Poynting theorem constraints on the signs of the imaginary parts of the electromagnetic constitutive parameters. In *JOURNAL OF THE OPTICAL SOCIETY OF AMERICA A-OPTICS IMAGE SCIENCE AND VISION*. ISSN 1084-7529, 2015, vol. 32, no. 4, pp. 522., Registrované v: WOS
2. [1.1] DOVGIIY, Alexander A. - BESEDIN, Ilya S. Discrete gap solitons in binary positive-negative index nonlinear waveguide arrays with strong second-order couplings. In *PHYSICAL REVIEW E*. ISSN 1539-3755, 2015, vol. 92, no. 3, 032904., Registrované v: WOS

ADCA80 BELIČKA, M. - DUBNIČKA, Stanislav - DUBNIČKOVÁ, A.Z. - LIPTAJ, Andrej. Rigorous pion electromagnetic form factor behavior in the spacelike region. In *Physical Review C. Nuclear physics*, 2011, vol. 83, no. 2, 028201. (2010: 3.416 - IF, 2.409 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.83.028201>

Ohlasy:

1. [1.1] GOLOSKOKOV, S. V. - KROLL, P. The exclusive limit of the pion-induced Drell-Yan process. In *PHYSICS LETTERS B*. ISSN 0370-2693, 2015, vol. 748, pp. 323-327., Registrované v: WOS
2. [1.1] KROLL, P. Hard exclusive processes involving kaons. In *EUROPEAN PHYSICAL JOURNAL A*. ISSN 1434-6001, 2019, vol. 55, no. 5, 76., Registrované v: WOS
3. [1.1] KRUTOV, A. F. - POLEZHAEV, R. G. - TROITSKY, V. E. Poincare-invariant constituent quark model for light mesons: capabilities and constraints. In *EPJ WEB OF CONFERENCES*, 2016, vol. 125, UNSP 04014., Registrované v: WOS
4. [1.1] LOMON, Earle L. - PACETTI, Simone. Analytic pion form factor. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2016, vol. 94, no. 5, 056002., Registrované v: WOS

ADCA81 BENDLER, John T. - FONTANELLA, John J. - SHLESINGER, M.F. - BARTOŠ, Josef - ŠAUŠA, Ondrej - KRIŠTIÁK, Jozef. Free-volume dynamics in glasses and supercooled liquids. In *Physical Review E*, 2005, vol. 71, no. 3, 031508. (2004: 2.352 - IF, Current Contents - CCC). (2005 - Current Contents, WOS, SCOPUS). ISSN 2470-0045. Dostupné na: <https://doi.org/10.1103/PhysRevE.71.031508>

Ohlasy:

1. [1.1] PATERNO, Domenec - ROCK, Emma - FORBES, Andrew - IQBAL, Rija - MOHAMMAD, Nomon - SUAREZ, Sophia. Aluminum ions speciation and transport in acidic deep eutectic AlCl₃ amide electrolytes. In

- ADCA82 BENGUS, V.Z. - DIKO, Pavel - CSACH, Kornel - MIŠKUF, Jozef - OCELÍK, Václav - KOROLKOVA, E.B. - TABACHNIKOVA, E. D. - DUHAJ, Pavol. Failure crack orientation at ductile shear fracture of Fe₈₀-xNi_xB₂₀ metallic glass ribbons. In *Journal of Materials Science*, 1990, vol. 25, no. 3, p. 1598-1602. ISSN 0022-2461. Dostupné na: <https://doi.org/10.1007/BF01045356>

Ohlasy:

1. [1.1] HOU, Jinxiong - ZHANG, Min - MA, Shengguo - LIAW, Peter. K. - ZHANG, Yong - QIAO, Junwei. Strengthening in Al_{0.25}CoCrFeNi high-entropy alloys by cold rolling. In *MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING*. ISSN 0921-5093, 2017, vol. 707, pp. 593-601., Registrované v: WOS

- ADCA83 BENGUS, V.Z. - TABACHNIKOVA, E.D. - DUHAJ, Pavol - OCELIK, V. Low temperature mechanical properties of metallic glasses- Connection with structure. In *Materials Science and Engineering A - Structural Materials Properties Microstructure and Processing*, 1997, vol. 226, p. 823-832. (1996: 0.852 - IF, Current Contents - CCC). (1997 - Current Contents, WOS, SCOPUS). ISSN 0921-5093. Dostupné na: [https://doi.org/10.1016/s0921-5093\(97\)80086-x](https://doi.org/10.1016/s0921-5093(97)80086-x)

Ohlasy:

1. [1.1] HASANI, S. - REZAEI-SHAHREZA, P. - SEIFODDINI, A. Effect of Cu Presence on Evolution of Mechanical and Magnetic Properties in a Novel Fe-Based Bulk Metallic Glass During Partial Annealing Process. In *METALLURGICAL AND MATERIALS TRANSACTIONS A-PHYSICAL METALLURGY AND MATERIALS SCIENCE*. ISSN 1073-5623, 2019, vol. 50A, no. 1, pp. 63-71., Registrované v: WOS
2. [1.1] MADGE, S. V. - LOUZGUINE-LUZGIN, D. V. - KAWASHIMA, A. - GREER, A. L. - INOUE, A. Compressive plasticity of a La-based glass-crystal composite at cryogenic temperatures. In *MATERIALS & DESIGN*. ISSN 0264-1275, 2016, vol. 101, pp. 146-151., Registrované v: WOS
3. [1.1] SUN, Y. H. Inverse ductile-brittle transition in metallic glasses? In *MATERIALS SCIENCE AND TECHNOLOGY*. ISSN 0267-0836, 2015, vol. 31, no. 6, pp. 635-650., Registrované v: WOS

- ADCA84 BERGOU, J.A. - BUŽEK, Vladimír - FELDMAN, E. - HERZOG, U. - HILLERY, M. Programmable quantum-state discriminators with simple programs. In *Physical Review A*, 2006, vol. 73, no. 6, 062334. (2005: 2.997 - IF, Q1 - JCR, 1.394 - SJR, Q1 - SJR, Current Contents - CCC). (2006 - Current Contents, SCOPUS). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.73.062334>

Ohlasy:

1. [1.1] CHABAUD, Ulysse - DIAMANTI, Eleni - MARKHAM, Damian - KASHEFI, Elham - JOUX, Antoine. Optimal quantum-programmable projective measurement with linear optics. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2018, vol. 98, no. 6, 062318., Registrované v: WOS
2. [1.1] JAFARIZADEH, M. A. - MAHMOUDI, P. - AKHGAR, D. - FAIZI, E. Designing an optimal, universal, programmable, and unambiguous

- discriminator for N unknown qubits. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 96, no. 5, 052111., Registrované v: WOS
3. [1.1] KALMAN, Orsolya - KISS, Tamas. Quantum state matching of qubits via measurement-induced nonlinear transformations. In PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 97, no. 3, 032125., Registrované v: WOS
4. [1.1] KANG, Peng - ZHANG, Ming. How to Make Full Use of a Priori Knowledge of Quantum Information Processing. In PROCEEDINGS OF THE 2016 12TH WORLD CONGRESS ON INTELLIGENT CONTROL AND AUTOMATION (WCICA), 2016, vol., no., pp. 3016-3020., Registrované v: WOS
5. [1.1] LUIS, Alfredo - MARTIN BOSYK, Gustavo - PORTESI, Mariela. Entropic measures of joint uncertainty: Effects of lack of majorization. In PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS. ISSN 0378-4371, 2016, vol. 444, no., pp. 905-913., Registrované v: WOS
6. [1.1] QIU, Daowen - GAN, Hongfeng - CAI, Guangya - PAULO, Mateus. Unambiguous Discrimination Between Mixed Quantum States Based on Programmable Quantum State Discriminators. In INTELLIGENT COMPUTING METHODOLOGIES, ICIC 2018, PT III. ISSN 0302-9743, 2018, vol. 10956, no., pp. 700-709., Registrované v: WOS
7. [1.1] SPEDALIERI, Gaetana - PIRANDOLA, Stefano - BRAUNSTEIN, Samuel L. Symmetric and asymmetric discrimination of bosonic loss: Toy applications to biological samples and photodegradable materials. In PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 98, no. 5, 053836., Registrované v: WOS
8. [1.1] SPEDALIERI, Gaetana - LUPO, Cosmo - BRAUNSTEIN, Samuel L. - PIRANDOLA, Stefano. Thermal quantum metrology in memoryless and correlated environments. In QUANTUM SCIENCE AND TECHNOLOGY. ISSN 2058-9565, 2019, vol. 4, no. 1, 015008., Registrované v: WOS
9. [1.1] SUNIAN, XiaoBing - LI, Yuwei - ZHOU, Tao. Optimal programmable unambiguous discriminator between two unknown latitudinal states. In SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY. ISSN 1674-7348, 2016, vol. 59, no. 10, UNSP 100312., Registrované v: WOS

ADCA85 BERLING, D. - CARICATO, A.P. - DENYS, Y. - FERNANDEY, M. - LEGGIERI, G. - LUBY, Štefan - LUCHES, A. - MARTINO, M. - MENGUCCI, P. Fe_xNi_{100-x} nanometric films deposited by laser ablation on SiO₂/Si substrates. In *Applied Surface Science*, 2007. Vol. 253, no. 15, p. 6522-6526. ISSN 0169-4332. Dostupné na: <https://doi.org/10.1016/j.apsusc.2007.01.034>

Ohlasy:

1. [1.1] CAO YONG-ZE - WANG QIANG - LI GUO-JIAN - MA YONG-HUI - SUI XU-DONG - HE JI-CHENG. Effects of high magnetic field on the growth and magnetic properties of Fe-Ni nano-polycrystalline thin films with different thickness values. In ACTA PHYSICA SINICA. ISSN 1000-3290, 2015, vol. 64, no. 6, 067502., Registrované v: WOS

ADCA86 BERTHOLD, R. - MIHALKOVIČ, Marek - BURKHARDT, U. - PROTS, Yu. - AMARSANAA, A. - KREINER, G. Crystal structure, disorder and composition of the 2/1 approximant in the Al-Mg-Zn system revisited. In *Intermetallics*, 2014, vol. 53, p. 67-84. (2013: 2.119 - IF, Q1 - JCR, 1.494 - SJR, Q1 - SJR, Current Contents -

CCC). (2014 - Current Contents). ISSN 0966-9795. Dostupné na:
<https://doi.org/10.1016/j.intermet.2014.02.022>

Ohlasy:

1. [1.1] AKHMETSHINA, Tatiana G. - BLATOV, Vladislav A. Topological methods for complex intermetallics. In ZEITSCHRIFT FÜR KRISTALLOGRAPHIE-CRYSTALLINE MATERIALS. ISSN 2194-4946, 2017, vol. 232, no. 7-9, pp. 497-506., Registrované v: WOS
2. [1.1] JIANG, Zailiang - FAN, Zitian - JIANG, Wenming - LI, Guangyu - WU, Yao - GUAN, Feng - JIANG, Haixiao. Interfacial microstructures and mechanical properties of Mg/Al bimetal produced by a novel liquid-liquid compound casting process. In JOURNAL OF MATERIALS PROCESSING TECHNOLOGY. ISSN 0924-0136, 2018, vol. 261, pp. 149-158., Registrované v: WOS
3. [1.1] LABIB, Farid - FUJITA, Nobuhisa - OHHASHI, Satoshi - TSAI, An-Pang. Icosahedral quasicrystals and their cubic approximants in the Cd-Mg-RE (RE = Y, Sm, Gd, Tb, Dy, Ho, Er, Tm) systems. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2020, vol. 822, 153541., Registrované v: WOS
4. [1.1] MAKONGO, Julien P. A. - DARONE, Gregory M. - XIA, Sheng-Qing - BOBEV, Svilen. Non-stoichiometric compositions arising from synergistic electronic and size effects. Synthesis, crystal chemistry and electronic properties of $A(14)Cd(1+x)Pn(11)$ compounds ($0 \leq x \leq 0.3$; $A = Sr, Eu$; $Pn = As, Sb$). In JOURNAL OF MATERIALS CHEMISTRY C. ISSN 2050-7526, 2015, vol. 3, no. 40, pp. 10388., Registrované v: WOS
5. [1.1] ZHANG, Lifeng - WANG, Weizhen - HU, Weiwei - YANG, Zhiqing - YE, Hengqiang. Nanometer-sized domain structure in complex $Mg_{21}Zn_{25}$ formed by eutectoid phase transformation in a Mg-Zn alloy. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2018, vol. 745, pp. 319-330., Registrované v: WOS

ADCA87 BERTHOLD, R. - KREINER, G. - BURKHARDT, U. - HOFFMANN, S. - AUFFERMANN, G. - PROTS, Y. - DASHJAV, E. - AMARSANAA, A. - MIHALKOVIČ, Marek. Crystal structure and phase stability of the Phi phase in the Al-Mg-Zn system. In *Intermetallics*, 2013, vol. 32, p. 259-273. (2012: 1.857 - IF, Q1 - JCR, 1.286 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents). ISSN 0966-9795. Dostupné na: <https://doi.org/10.1016/j.intermet.2012.08.025>

Ohlasy:

1. [1.1] DOGAN, E. - WANG, S. - VAUGHAN, M. W. - KARAMAN, I. Dynamic precipitation in Mg-3Al-1Zn alloy during different plastic deformation modes. In ACTA MATERIALIA. ISSN 1359-6454, 2016, vol. 116, pp. 1-13., Registrované v: WOS
2. [1.1] MAKONGO, Julien P. A. - DARONE, Gregory M. - XIA, Sheng-Qing - BOBEV, Svilen. Non-stoichiometric compositions arising from synergistic electronic and size effects. Synthesis, crystal chemistry and electronic properties of $A(14)Cd(1+x)Pn(11)$ compounds ($0 \leq x \leq 0.3$; $A = Sr, Eu$; $Pn = As, Sb$). In JOURNAL OF MATERIALS CHEMISTRY C. ISSN 2050-7526, 2015, vol. 3, no. 40, pp. 10388-10400., Registrované v: WOS
3. [1.1] MELIA, Michael A. - FLORIAN, David C. - STEUER, Fritz W. - BRIGLIA, Bruce F. - PURZYCKI, Michael K. - SCULLY, John R. - FITZ-GERALD, James M. Investigation of critical processing parameters for

laser surface processing of AZ31B-H24. In SURFACE & COATINGS TECHNOLOGY. ISSN 0257-8972, 2017, vol. 325, pp. 157-165., Registrované v: WOS

4. [1.1] METALNIKOV, Polina - BEN-HAMU, Guy - SHIN, Kwang Seon. Relation Between Zn Additions, Microstructure and Corrosion Behavior of New Wrought Mg-5Al Alloys. In METALS AND MATERIALS INTERNATIONAL. ISSN 1598-9623, 2019, vol., no., pp., Registrované v: WOS
5. [1.1] MONTAGNE, Pierre - TILLARD, Monique. On the adaptability of 1/1 cubic approximant structure in the Mg-Al-Zn system with the particular example of Mg₃₂Al₁₂Zn₃₇. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2016, vol. 656, pp. 159-165., Registrované v: WOS
6. [1.1] SHEVCHENKO, V. Ya. - BLATOV, V. A. - ILYUSHIN, G. D. Cluster Self-Organization of Intermetallic Systems: New Three-Layer Cluster Precursor K₁₃₆=0@Zn-12@32(Mg₂₀Zn₁₂)@92(Zr₁₂Zn₈₀) and a New Two-Layer Cluster Precursor K₃₀=0@Zn-6@Zn-24 in the Crystal Structure of Zr₆Mg₂₀Zn₁₂₈-cP154. In GLASS PHYSICS AND CHEMISTRY. ISSN 1087-6596, 2020, vol. 46, no. 6, pp. 455-461., Registrované v: WOS
7. [1.1] ZHAO, Guang-wei - DING, Chong - GU, Xin-sheng - YE, Xi-cong - HUANG, Cai-hua - GU, Ming-chun. Solidification path calculations of Al-Zn-Mg alloys in Al-rich corner. In CHINA FOUNDRY. ISSN 1672-6421, 2017, vol. 14, no. 5, pp. 443-448., Registrované v: WOS

ADCA88 BERTLE, Roman - FABER, Manfred - GREENSITE, Jeff - OLEJNÍK, Štefan. Center dominance in SU(2) gauge-Higgs theory. In *Physical review D*, 2004, vol. 69, no. 1, 014007. (2003: 4.599 - IF, Current Contents - CCC). (2004 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.69.014007>

Ohlasy:

1. [1.1] GREENSITE, Jeff - MATSUYAMA, Kazue. What symmetry is actually broken in the Higgs phase of a gauge-Higgs theory? In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 7, 074504., Registrované v: WOS
2. [1.1] MITTER, M. - HOPFER, M. - SCHAEFER, B.J. - ALKOFER, R. Center phase transition from matter propagators in (scalar) QCD. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 777, pp. 114-120., Registrované v: WOS

ADCA89 BERTLE, R. - FABER, M. - GREENSITE, J. - OLEJNÍK, Štefan. The structure of projected center vortices in lattice gauge theory. In *Journal of High Energy Physics*, 1999, no. 03, 019. ISSN 1029-8479.

Ohlasy:

1. [1.1] BIDDLE, James C. - KAMLEH, Waseem - LEINWEBER, Derek B. Visualization of center vortex structure. In PHYSICAL REVIEW D. ISSN 2470-0010, 2020, vol. 102, no. 3, 034504., Registrované v: WOS
2. [1.1] HOELLWIESER, Roman - ENGELHARDT, Michael. Approaching SU(2) gauge dynamics with smeared Z(2) vortices. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 3, 034502., Registrované v: WOS
3. [1.1] KONDO, Kei-Ichi - KATO, Seikou - SHIBATA, Akihiro - SHINOHARA, Toru. Quark confinement: Dual superconductor picture based on

a non-Abelian Stokes theorem and reformulations of Yang-Mills theory. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, 2015, vol. 579, pp. 1-226., Registrované v: WOS

ADCA90 BĚTÁK, Emil - RURARZ, Edward - MIKOLAJEWSKI, Stefan - WOJTKOWSKA, Jolanta. A new method of pure In-III production by proton-induced nuclear reactions with enriched Sn-112. In *Nukleonika*, 2007, vol. 52, no. 1, p. 17-27.

Ohlasy:

1. [1.1] KARA, A. - KORKUT, T. - YIGIT, M. - TEL, E. Modelling study on production cross sections of In-111 radioisotopes used in nuclear medicine. In *KERNTECHNIK*. ISSN 0932-3902, 2015, vol. 80, no. 3, pp. 270-274., Registrované v: WOS
2. [1.1] MLYNCZYK, Natalia - KONEFAL, Adam. Sn-117m THE PROMISING RADIOISOTOPE FOR USE IN NUCLEAR MEDICINE. In *ACTA PHYSICA POLONICA B PROCEEDINGS SUPPLEMENT*. ISSN 1899-2358, 2020, vol. 13, no. 4, pp. 943-948., Registrované v: WOS
3. [1.1] RAHMAN, Md. Shakilur - KIM, Kwangsoo - NGUYEN, Thi Hien - KIM, Guinyun - NAIK, Haladhara - YANG, Sung-Chul - SHIN, Sung-Gyun - KYE, Yong-uk - CHO, Moo-Hyun. Measurement of flux-weighted average cross sections of In-nat(γ , xn) reactions and isomeric yield ratios of (112m, 111m, 110m, g) In with bremsstrahlung. In *EUROPEAN PHYSICAL JOURNAL A*. ISSN 1434-6001, 2020, vol. 56, no. 9, 235., Registrované v: WOS

ADCA91 BĚTÁK, Emil - MIKOLAJCZAK, Renata - STANISZEWSKA, Joanna - MIKOLAJEWSKI, Stefan - RURARZ, Edward. Activation cross sections for reactions induced by 14 MeV neutrons on natural tin and enriched Sn-112 targets with reference to In-111 production via radioisotope generator Sn-112(n, 2n)Sn-111 In-111. In *Radiochimica Acta*, 2005, vol. 93, no. 6, p. 311-326. Dostupné na: <https://doi.org/10.1007/s10894-016-0066-1>

Ohlasy:

1. [1.1] AHMED, Ali Hassan. Systematics of (n, p) reaction cross-sections for light element target nuclei at 14.5 MeV neutrons. In *INTERNATIONAL JOURNAL OF MODERN PHYSICS E*. ISSN 0218-3013, 2018, vol. 27, no. 10, 1850079., Registrované v: WOS
2. [1.1] ARTUN, Ozan. Production calculation of medical Ga-67, In-111, Sn-117m, I-131, I-125, I-123, Xe-133, Sm-153, Gd-159, Re-188 and Tl-201 nuclei used for cancer diagnostics in single photon emission computed tomography via theoretical models. In *INTERNATIONAL JOURNAL OF MODERN PHYSICS E*. ISSN 0218-3013, 2020, vol. 29, no. 8, 2050059., Registrované v: WOS
3. [1.1] BUYUKUSLU, Halim - KAPLAN, Abdullah. EVALUATED EMPIRICAL SYSTEMATICS OF (n, n α) REACTION CROSS-SECTIONS AT 14 15 MeV INCIDENT ENERGY. In *NUCLEAR PHYSICS AND ATOMIC ENERGY*. ISSN 1818-331X, 2019, vol. 20, no. 3, pp. 235-242., Registrované v: WOS
4. [1.1] KAVUN, Y. - AYDIN, A. - TEL, E. A new formulae study for the (n,2p) reaction cross-section systematics at 14-15 MeV. In *APPLIED RADIATION AND ISOTOPES*. ISSN 0969-8043, 2020, vol. 163, 109218., Registrované v: WOS

5. [1.1] KOSTELNIK, Thomas I. - ORVIG, Chris. Radioactive Main Group and Rare Earth Metals for Imaging and Therapy. In CHEMICAL REVIEWS. ISSN 0009-2665, 2019, vol. 119, no. 2, pp. 902-956., Registrované v: WOS

6. [1.1] PARASHARI, Siddharth - MUKHERJEE, S. - VANSOLA, Vibha - MAKWANA, Rajnikant - SINGH, N. L. - PANDEY, Bhawna. Investigation of (n, p), (n, 2n) reaction cross sections for Sn isotopes for fusion reactor applications. In APPLIED RADIATION AND ISOTOPES. ISSN 0969-8043, 2018, vol. 133, pp. 31-37., Registrované v: WOS

7. [1.1] YIGIT, M. - TEL, E. A Systematic Study for Cross Sections on (d, 2n) Nuclear Reactions Between 11.57 and 18.91 MeV. In JOURNAL OF FUSION ENERGY. ISSN 0164-0313, 2016, vol. 35, no. 3, pp. 585-590., Registrované v: WOS

ADCA92 BĚTÁK, Emil - DROSTE, E. - MIKOLAJEWSKI, S. - RATYNSKI, W. - RURARZ, E. - KEMPIST, Y.T. - RAMAN, S. Activation cross sections for reactions induced by 14.7-MeV neutrons on natural calcium and enriched Ca-44 targets. In *Nuclear Science and Engineering*, 1999, vol. 132, no. 3, p. 295-307. ISSN 0029-5639.

Ohlasy:

1. [1.1] BURNETT, J. L. - SLACK, J. L. - BOWEN, J. M. Time sequence gamma-spectrometry of irradiated salt. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, 2019, vol. 947, UNSP 162648., Registrované v: WOS

ADCA93 BĚTÁK, Emil - CVELBAR, F. - LIKAR, A. - VIDMAR, T. Model calculations of the radiative capture process and the Brink-Axel hypothesisure process. In *Nuclear Physics A*, 2001, vol. 686, p. 204-216. (2000: 1.854 - IF). ISSN 0375-9474. Dostupné na: [https://doi.org/10.1016/S0375-9474\(00\)00562-5](https://doi.org/10.1016/S0375-9474(00)00562-5)

Ohlasy:

1. [1.1] GUTTORMSEN, M. - LARSEN, A. C. - GORGEN, A. - RENSTROM, T. - SIEM, S. - TORNYYI, T. G. - TVETEN, G. M. Validity of the Generalized Brink-Axel Hypothesis in Np-238. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2016, vol. 116, no. 1, 012502., Registrované v: WOS

ADCA94 BĚTÁK, Emil - MIKOLAJCZAK, R. - STANISZEWSKA, J. - MIKOLAJEWSKI, S. - RURARZ, E. - WOJTKOWSKA, J. Production of (18)F by proton irradiation of C(6)H(6)NF and C(6)H(5)NF(2). In *Nukleonika*, 2011, vol. 56, no. 4, p. 269-276. (2010: 0.321 - IF, Q4 - JCR, 0.193 - SJR, Q3 - SJR, Current Contents - CCC). (2011 - Current Contents). ISSN 0029-5922.

Ohlasy:

1. [1.1] DIKIY, N. P. - DOVBANYA, A. N. - KRASNOSELSKY, N. - et al. Photonuclear production of F-18. In PROBLEMS OF ATOMIC SCIENCE AND TECHNOLOGY. ISSN 1562-6016, 2018, no. 3, pp. 146-149., Registrované v: WOS

2. [1.1] GOMEZ-VALLEJO, V. - LEKUONA, A. - BAZ, Z. - SZCZUPAK, B. - COSSIO, U. - LLOP, J. Ion beam induced F-18-radiofluorination: straightforward synthesis of gaseous radiotracers for the

assessment of regional lung ventilation using positron emission tomography. In CHEMICAL COMMUNICATIONS. ISSN 1359-7345, 2016, vol. 52, no. 80, pp. 11931-11934., Registrované v: WOS

- ADCA95 BEYER, R. - BURGHARDT, H. - THURZO, Ilja - ZAHN, D.R.T. - GESSNER, T. A deconvolution of the transient response of (100) Si/SiO₂ semiconductor-insulator interface states according to small pulse excitation: evidence of different branches of charge transition. In *Solid-State Electronics*, 2000, vol. 44, no. 8, p. 1463-1470. (1999: 0.930 - IF, Current Contents - CCC). (2000 - Current Contents). ISSN 0038-1101.
- Ohlasy:
1. [1.1] AOUASSA, M. - VRIELINCK, H. - SIMOEN, E. Deep Level Assessment of n-type Si/SiO₂ Metal-Oxide-Semiconductor Capacitors with Embedded Ge Quantum Dots. In SEMICONDUCTOR PROCESS INTEGRATION 10. ISSN 1938-5862, 2017, vol. 80, no. 4, pp. 181-190., Registrované v: WOS
 2. [1.1] AOUASSA, M. - VRIELINCK, H. - SIMOEN, E. Deep Level Assessment of n-Type Si/SiO₂ Metal-Oxide-Semiconductor Capacitors with Embedded Ge Quantum Dots. In ECS JOURNAL OF SOLID STATE SCIENCE AND TECHNOLOGY. ISSN 2162-8769, 2018, vol. 7, no. 2, pp. P24-P28., Registrované v: WOS
 3. [1.1] BONILLA, Ruy S. - AL-DHAHIR, Isabel - YU, Mingzhe - HAMER, Phillip - ALTERMATT, Pietro P. Charge fluctuations at the Si-SiO₂ interface and its effect on surface recombination in solar cells. In SOLAR ENERGY MATERIALS AND SOLAR CELLS. ISSN 0927-0248, 2020, vol. 215, 110649., Registrované v: WOS
 4. [1.1] HSU, P-C - SIMOEN, E. - LIN, D. - STESMANS, A. - GOUX, L. - DELHOUGNE, R. - CAROLAN, P. - BENDER, H. - KAR, G. S. A Deep Level Transient Spectroscopy Study of Hole Traps in GexSe1-x-based Layers for Ovonic Threshold Switching Selectors. In ECS JOURNAL OF SOLID STATE SCIENCE AND TECHNOLOGY. ISSN 2162-8769, 2020, vol. 9, no. 4, 044006., Registrované v: WOS
 5. [1.1] LI, Yun - MA, Yao - LIN, Wei - DONG, Peng - YANG, Zhimei - GONG, Min - BI, Jinshun - LI, Bo - XI, Kai - XU, Gaobo. Study of gamma-ray irradiation influence on TiN/HfO₂/Si MOS capacitor by C-V and DLTS. In SUPERLATTICES AND MICROSTRUCTURES. ISSN 0749-6036, 2018, vol. 120, pp. 313-318., Registrované v: WOS
 6. [1.1] MCHEDLIDZE, Teimuraz - DRESCHER, Maximilian - ERBEN, Elke - WEBER, Joerg. Interface traps in 28 nm node field effect transistors detected by capacitance transient spectroscopy. In PHYSICA STATUS SOLIDI A-APPLICATIONS AND MATERIALS SCIENCE. ISSN 1862-6300, 2017, vol. 214, no. 7, 1700182., Registrované v: WOS
 7. [1.1] SIMOEN, Eddy - JAYACHANDRAN, Suseendran - DELABIE, Annelies - CAYMAX, Matty - HEYNS, Marc. Study of Electron Traps Associated With Oxygen Superlattices in n-Type Silicon. In PHYSICA STATUS SOLIDI C: CURRENT TOPICS IN SOLID STATE PHYSICS, VOL 14 NO 12. ISSN 1862-6351, 2017, vol. 14, no. 12, UNSP 1700136., Registrované v: WOS
 8. [1.1] XU, Menglei - WANG, Chong - BEARDA, Twan - SIMOEN, Eddy - RADHAKRISHNAN, Hariharsudan Sivaramakrishnan - GORDON, Ivan - LI, Wei - SZLUFCHIK, Jozef - POORTMANS, Jef. Dry Passivation Process for

Silicon Heterojunction Solar Cells Using Hydrogen Plasma Treatment Followed by In Situ a-Si: H Deposition. In *IEEE JOURNAL OF PHOTOVOLTAICS*. ISSN 2156-3381, 2018, vol. 8, no. 6, pp. 1539-1545., Registrované v: WOS

ADCA96 BISIO, A. - D'ARIANO, G.M. - PERINOTTI, P. - SEDLÁK, Michal. Memory cost of quantum protocols. In *Physical Review A*, 2012, vol. 85, no. 3, 032333. (2011: 2.878 - IF, Q1 - JCR, 2.316 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.85.032333>

Ohlasy:

1. [1.1] NAVASCUES, Miguel. Resetting Uncontrolled Quantum Systems. In *PHYSICAL REVIEW X*. ISSN 2160-3308, 2018, vol. 8, no. 3, 031008., Registrované v: WOS
2. [1.1] ROSSET, Denis - BUSCEMI, Francesco - LIANG, Yeong-Cherng. Resource Theory of Quantum Memories and Their Faithful Verification with Minimal Assumptions. In *PHYSICAL REVIEW X*. ISSN 2160-3308, 2018, vol. 8, no. 2, 021033., Registrované v: WOS

ADCA97 BISIO, A. - D'ARIANO, G.M. - PERINOTTI, P. - SEDLÁK, Michal. Optimal processing of reversible quantum channels. In *Physics Letters A*, 2014, vol. 378, no. 26-27, p. 1797-1808. (2013: 1.626 - IF, Q2 - JCR, 0.631 - SJR, Q2 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 0375-9601. Dostupné na: <https://doi.org/10.1016/j.physleta.2014.04.042>

Ohlasy:

1. [1.1] CHIRIBELLA, G. - YANG, Y. - HUANG, C. Universal Superreplication of Unitary Gates. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2015, vol. 114, no. 12, 120504., Registrované v: WOS
2. [1.1] MO, Yin - CHIRIBELLA, Giulio. Quantum-enhanced learning of rotations about an unknown direction. In *NEW JOURNAL OF PHYSICS*. ISSN 1367-2630, 2019, vol. 21, no. 11, 113003., Registrované v: WOS
3. [1.1] QUINTINO, Marco Tulio - DONG, Qingxiuxiong - SHIMBO, Atsushi - SOEDA, Akihito - MURAO, Mio. Probabilistic exact universal quantum circuits for transforming unitary operations. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2019, vol. 100, no. 6, 062339., Registrované v: WOS
4. [1.1] SHRAPNEL, Sally - COSTA, Fabio. Causation does not explain contextuality. In *QUANTUM*. ISSN 2521-327X, 2018, vol. 2, UNSP 63., Registrované v: WOS
5. [1.1] SHRAPNEL, Sally - COSTA, Fabio - MILBURN, Gerard. Updating the Born rule. In *NEW JOURNAL OF PHYSICS*. ISSN 1367-2630, 2018, vol. 20, 053010., Registrované v: WOS
6. [1.1] YANG, Yuxiang - CHIRIBELLA, Giulio - HU, Qinheping. Units of rotational information. In *NEW JOURNAL OF PHYSICS*. ISSN 1367-2630, 2017, vol. 19, 123003., Registrované v: WOS

ADCA98 BISIO, A. - D'ARIANO, G.M. - PERINOTTI, P. - SEDLÁK, Michal. Quantum learning algorithms for quantum measurements. In *Physics Letters A*, 2011, vol. 375, no. 39, p. 3425-3434. (2010: 1.963 - IF, Q2 - JCR, 0.932 - SJR, Q2 - SJR, Current Contents - CCC). (2011 - Current Contents). ISSN 0375-9601. Dostupné na: <https://doi.org/10.1016/j.physleta.2011.08.002>

Ohlasy:

1. [1.1] BIAMONTE, Jacob - WITTEK, Peter - PANCOTTI, Nicola - REBENTROST, Patrick - WIEBE, Nathan - LLOYD, Seth. Quantum machine learning. In NATURE. ISSN 0028-0836, 2017, vol. 549, no. 7671, pp. 195-202., Registrované v: WOS
2. [1.1] DUNJKO, Vedran - BRIEGEL, Hans J. Machine learning & artificial intelligence in the quantum domain: a review of recent progress. In REPORTS ON PROGRESS IN PHYSICS. ISSN 0034-4885, 2018, vol. 81, no. 7, 074001., Registrované v: WOS
3. [1.1] GYONGYOSI, Laszlo - IMRE, Sandor. A Survey on quantum computing technology. In COMPUTER SCIENCE REVIEW. ISSN 1574-0137, 2019, vol. 31, pp. 51-71., Registrované v: WOS
4. [1.1] HILLERY, Mark. Constructing a qubit POVM from quantum data. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2020, vol. 53, no. 42, 425302., Registrované v: WOS
5. [1.1] CHENG, Hao-Chung - HSIEH, Min-Hsiu - YEH, Ping-Cheng. THE LEARNABILITY OF UNKNOWN QUANTUM MEASUREMENTS. In QUANTUM INFORMATION & COMPUTATION. ISSN 1533-7146, 2016, vol. 16, no. 7-8, pp. 615-656., Registrované v: WOS
6. [1.1] MO, Yin - CHIRIBELLA, Giulio. Quantum-enhanced learning of rotations about an unknown direction. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2019, vol. 21, no. 11, 113003., Registrované v: WOS
7. [1.1] SENTIS, Gael - MONRAS, Alex - MUNOZ-TAPIA, Ramon - CALSAMIGLIA, John - BAGAN, Emilio. Unsupervised Classification of Quantum Data. In PHYSICAL REVIEW X. ISSN 2160-3308, 2019, vol. 9, no. 4, 041029., Registrované v: WOS
8. [1.1] YANG, Yuxiang - CHIRIBELLA, Giulio - HU, Qinheping. Units of rotational information. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2017, vol. 19, 123003., Registrované v: WOS

ADCA99 BODIK, Michal** - ANNUŠOVÁ, Adriana - HAGARA, Jakub - MÍČUŠÍK, Matej - OMASTOVÁ, Mária - KOTLÁR, Mário - CHLPÍK, Juraj - CIRÁK, Július - ŠVAJDLENKOVÁ, Helena - ANGUŠ, Michal - ROLDÁN, Alicia Marín - VEIS, Pavel - JERGEL, Matej - MAJKOVÁ, Eva - ŠIFFALOVÍČ, Peter. An elevated concentration of MoS₂ lowers the efficacy of liquid-phase exfoliation and triggers the production of MoO_x nanoparticles. In *Physical Chemistry Chemical Physics*, 2019, vol. 21, no. 23, p. 12396-12405. (2018: 3.567 - IF, Q1 - JCR, 1.310 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 1463-9076.
Dostupné na: <https://doi.org/10.1039/c9cp01951k>

Ohlasy:

1. [1.1] JAWAID, A.M. - RITTER, A.J. - VAIA, R.A. Mechanism for Redox Exfoliation of Layered Transition Metal Dichalcogenides. In CHEMISTRY OF MATERIALS. ISSN 0897-4756, AUG 11 2020, vol. 32, no. 15, p. 6550-6565., Registrované v: WOS
2. [1.1] ZHOU, D. - YIN, J.Z. Steer the Rheology of Solvent with Little Surfactant to Exfoliate MoS₂ Nanosheet by Liquid Phase Exfoliation Method. In NANO. ISSN 1793-2920, OCT 2020, vol. 15, no. 10, 2050118., Registrované v: WOS

ADCA100 BODIK, Michal - ZAHORANOVÁ, Anna - MIČUŠÍK, Matej - BUGÁROVÁ, Nikola - ŠPITÁLSKY, Zdenko - OMASTOVÁ, Mária - MAJKOVÁ, Eva - JERGEL, Matej - ŠIFFALOVICH, Peter. Fast low-temperature plasma reduction of monolayer graphene oxide at atmospheric pressure. In *Nanotechnology*, 2017, vol. 28, no. 14, art. no. 145601. (2016: 3.440 - IF, Q1 - JCR, 1.339 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 0957-4484. Dostupné na: <https://doi.org/10.1088/1361-6528/aa60ef>

Ohlasy:

1. [1.1] ALOTAIBI, F. - TUNG, T.T. - NINE, M.J. - KABIRI, S. - MOUSSA, M. - TRAN, D.N.H. - LOSIC, D. Scanning atmospheric plasma for ultrafast reduction of graphene oxide and fabrication of highly conductive graphene films and patterns. In *CARBON*. ISSN 0008-6223, FEB 2018, vol. 127, p. 113-121., Registrované v: WOS
2. [1.1] BANERJEE, I. - MAHAPATRA, S.K. - PAL, C. - SHARMA, A.K. - RAY, A.K. Effect of plasma power on reduction of printable graphene oxide thin films on flexible substrates. In *MATERIALS RESEARCH EXPRESS*. ISSN 2053-1591, MAY 2018, vol. 5, no. 5., Registrované v: WOS
3. [1.1] FERRARI, A.G.M. - BROWNSON, D.A.C. - BANKS, C.E. Investigating the Integrity of Graphene towards the Electrochemical Oxygen Evolution Reaction. In *CHEMELECTROCHEM*. ISSN 2196-0216, OCT 31 2019, vol. 6, no. 21, p. 5446-5453., Registrované v: WOS
4. [1.1] HOMOLA, T. - POSPISIL, J. - KRUMPOLEC, R. - SOUCEK, P. - DZIK, P. - WEITER, M. - CERNAK, M. Atmospheric Dry Hydrogen Plasma Reduction of Inkjet-Printed Flexible Graphene Oxide Electrodes. In *CHEMSUSCHEM*. ISSN 1864-5631, MAR 9 2018, vol. 11, no. 5, p. 941-947., Registrované v: WOS
5. [1.1] LIU, W.Z. - NIU, J.Q. - ZHAO, S. - CHAI, M.L. Study on atmospheric pressure glow discharge based on AC-DC coupled electric field. In *JOURNAL OF APPLIED PHYSICS*. ISSN 0021-8979, JAN 14 2018, vol. 123, no. 2., Registrované v: WOS
6. [1.1] SAHOO, S.K. - MALLIK, A. Fundamentals of Fascinating Graphene Nanosheets: A Comprehensive Study. In *NANO*. ISSN 1793-2920, MAR 2019, vol. 14, no. 3., Registrované v: WOS
7. [1.1] WU, S.Q. - HUANG, G.W. - CHENG, W.X. - CHEN, W. - HAI, B. - SHAO, T. - ZHANG, C.H. The influences of the electrode dimension and the dielectric material on the breakdown characteristics of coplanar dielectric barrier discharge in ambient air. In *PLASMA PROCESSES AND POLYMERS*. ISSN 1612-8850, DEC 2017, vol. 14, no. 12., Registrované v: WOS
8. [1.1] ZHAO, Ying - CHEN, Longwei - MENG, Yuedong. Fabrication and characterization of reduced graphene oxide by atmospheric pressure plasma jet. In *AIP ADVANCES*, 2020, vol. 10, no. 1, 015216., Registrované v: WOS
9. [1.2] HOMOLA, T. - LORENCOVA, L. - PARRÁKOVÁ, L. - GEMEINER, P. - TKAC, J. Graphene oxide sensors of high sensitivity fabricated using cold atmospheric-pressure hydrogen plasma for use in the detection of small organic molecules. (2020) *Journal of Applied Physics*, 128 (24), art. no. 243301, Registrované v: Scopus
10. [1.2] ZHAO, J. - LI, W. - ZOU, L. - FU, H. Analysis of Oilfield Wastewater Treatment Effect Based on Low Temperature Plasma Treatment Process. (2018) *IOP Conference Series: Earth and Environmental Science*, 170 (3), art. no. 032099, Registrované v: Scopus

ADCA101 BODIK, Michal** - MAXIAN, Ondrej - HAGARA, Jakub - NÁDAŽDY, Peter - JERGEL, Matej - MAJKOVÁ, Eva - ŠIFFALOVIC, Peter.
Langmuir-Scheaffer Technique as a Method for Controlled Alignment of 1D Materials. In *Langmuir*, 2020, vol. 36, no. 16, p. 4540-4547. (2019: 3.557 - IF, Q2 - JCR, 1.088 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 0743-7463. Dostupné na: <https://doi.org/10.1021/acs.langmuir.0c00045>

Ohlasy:

1. [1.1] HERRER, Lucia - MARTIN, Santiago - CEA, Pilar.
Nanofabrication Techniques in Large-Area Molecular Electronic Devices. In APPLIED SCIENCES-BASEL, 2020, vol. 10, no. 17, 6064., Registrované v: WOS

ADCA102 BODIK, Michal** - KOVÁČOVÁ, Mária - BANOVSKA, Sara - ŠPITÁLSKY, Zdenko - HELD, Vladimír - JERGEL, Matej - MAJKOVÁ, Eva - ŠIFFALOVIC, Peter. Uniaxial strengthening of the polyamide film by the aligned carbon nanotubes. In *Materials Today Communications*, 2020, vol. 25, art. no. 101432, [5] p. (2019: 2.678 - IF, Q2 - JCR, 0.599 - SJR, Q2 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 2352-4928. Dostupné na: <https://doi.org/10.1016/j.mtcomm.2020.101432>

Ohlasy:

1. [1.1] SONI, S.K. - THOMAS, B. - KAR, V.R. A Comprehensive Review on CNTs and CNT-Reinforced Composites: Syntheses, Characteristics and Applications. In MATERIALS TODAY COMMUNICATIONS. ISSN 2352-4928, DEC 2020, vol. 25, 101432., Registrované v: WOS

ADCA103 BOHÁČ, Vlastimil - GUSTAVSSON, Mattias K. - KUBIČÁR, Ľudovít - GUSTAFSSON, Silas E. Parameter estimations for measurements of thermal transport properties with the hot disk thermal constants analyzer. In *Review of Scientific Instruments*, 2000, vol. 71, no. 6, p. 2452-2455. (1999: 1.293 - IF, Current Contents - CCC). (2000 - Current Contents, SCOPUS). ISSN 0034-6748.

Ohlasy:

1. [1.1] AGHAHADI, Mohammad - PADAYODI, Essole - ABBOUDI, Said - BAHRANI, S. Amir. Physical modeling of heat and moisture transfer in wet bio-sourced insulating materials. In REVIEW OF SCIENTIFIC INSTRUMENTS. ISSN 0034-6748, 2018, vol. 89, no. 10, 104902., Registrované v: WOS
2. [1.1] BATTAGLIA, J.L. - GAVORY, B. - COURJAUD, A. Thermal contact resistance measurement at the interface between Yb: YAG crystal and WCu cooler at 80K and 300K. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2016, vol. 120, no. 19, 195102., Registrované v: WOS
3. [1.1] BELKERK, B. E. - CAMUS, J. - GARNIER, B. - AL BRITHEN, H. - SAHLI, S. - DJOUADI, M-A. Measuring anisotropic thermal conductivity of aluminum nitride films with the ultra-fast hot strip technique. In INTERNATIONAL JOURNAL OF THERMAL SCIENCES. ISSN 1290-0729, 2020, vol. 151, 106259., Registrované v: WOS
4. [1.1] HA, Yu-Mi - KIM, Young Nam - KIM, Young-O - SO, Chan - LEE, Jae-Suk - KIM, Jaewoo - JUNG, Yong Chae. Enhanced mechanical properties and thermal conductivity of polyimide nanocomposites incorporating individualized boron-doped graphene. In CARBON LETTERS. ISSN 1976-4251,

- 2020, vol. 30, no. 4, pp. 457-464., Registrované v: WOS
5. [1.1] HE, Suihua - ZHANG, Jingjing - XIAO, Xiaoting - HONG, Xinmi. Effects of ultrasound vibration on the structure and properties of polypropylene/graphene nanoplatelets composites. In POLYMER ENGINEERING AND SCIENCE. ISSN 0032-3888, 2018, vol. 58, no. 3, pp. 377-386., Registrované v: WOS
6. [1.1] HONG, Xinmi - XIAO, Xiaoting - ZHANG, Zhengrong - YANG, Jie - ZHANG, Jingjing. Influence of surface topography, crystallinity, and thermal conductivity on reflectance and color of metallic-effect high-density polyethylene parts filled with aluminum pigments. In POLYMER ENGINEERING AND SCIENCE. ISSN 0032-3888, 2018, vol. 58, no. 5, pp. 642-651., Registrované v: WOS
7. [1.1] JANNOT, Yves - DEGIOVANNI, Alain - AUBERT, Arthur - LECHLEITER, Francois. In-plane thermal diffusivity measurement of thin plates by the transient fin method. In REVIEW OF SCIENTIFIC INSTRUMENTS. ISSN 0034-6748, 2018, vol. 89, no. 10, 104905., Registrované v: WOS
8. [1.1] JANNOT, Yves - SCHAEFER, Sebastien - DEGIOVANNI, Alain - BIANCHIN, Jeremy - FIERRO, Vanessa - CELZARD, Alain. A new method for measuring the thermal conductivity of small insulating samples. In REVIEW OF SCIENTIFIC INSTRUMENTS. ISSN 0034-6748, 2019, vol. 90, no. 5, 054901., Registrované v: WOS
9. [1.1] KIM, Hyun Su - NA, Jung Hyun - JUNG, Yong Chae - KIM, Seong Yun. Synergistic enhancement of thermal conductivity in polymer composites filled with self-hybrid expanded graphite fillers. In JOURNAL OF NON-CRYSTALLINE SOLIDS. ISSN 0022-3093, 2016, vol. 450, pp. 75-81., Registrované v: WOS
10. [1.1] LUANGTRIRATANA, Piyanuch - KANDOLA, Baljinder K. - DUQUESNE, Sophie - BOURBIGOT, Serge. Quantification of Thermal Barrier Efficiency of Intumescent Coatings on Glass Fibre-Reinforced Epoxy Composites. In COATINGS. ISSN 2079-6412, 2018, vol. 8, no. 10, 347., Registrované v: WOS
11. [1.1] MALHEIROS, Fernando Costa - GOMES DO NASCIMENTO, Jefferson - FERNANDES, Ana Paula - GUIMARAES, Gilmar. Simultaneously estimating the thermal conductivity and thermal diffusivity of a poorly conducting solid material using single surface measurements. In REVIEW OF SCIENTIFIC INSTRUMENTS. ISSN 0034-6748, 2020, vol. 91, no. 1, 014902., Registrované v: WOS
12. [1.1] MALINARIC, Svetozar - DIESKA, Peter. Stepwise Transient Method and Transient Plane Source Method Comparison. In CENTRAL EUROPEAN SYMPOSIUM ON THERMOPHYSICS 2019 (CEST). ISSN 0094-243X, 2019, vol. 2133, 020024., Registrované v: WOS
13. [1.1] MARUZHENKO, Oleksii - MAMUNYA, Yevgen - BOITEUX, Gisele - PUSZ, Slawomira - SZELUGA, Urszula - PRUVOST, Sebastien. Improving the thermal and electrical properties of polymer composites by ordered distribution of carbon micro- and nanofillers. In INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER. ISSN 0017-9310, 2019, vol. 138, pp. 75-84., Registrované v: WOS
14. [1.1] MIRANDA, M. M. - MATOS, C. R. - RODRIGUES, N. V. - PEREIRA, A. J. S. C. - COSTA, J. J. Effect of temperature on the thermal conductivity of a granite with high heat production from Central Portugal. In

JOURNAL OF IBERIAN GEOLOGY. ISSN 1698-6180, 2019, vol. 45, no. 1, pp. 147-161., Registrované v: WOS

15. [1.1] NOH, Ye Ji - KIM, Hyun Su - KU, Bon-Cheol - KHIL, Myung-Seob - KIM, Seong Yun. Thermal Conductivity of Polymer Composites With Geometric Characteristics of Carbon Allotropes. In ADVANCED ENGINEERING MATERIALS. ISSN 1438-1656, 2016, vol. 18, no. 7, pp. 1127-1132., Registrované v: WOS

16. [1.1] NOH, Ye Ji - KIM, Seong Yun. Synergistic improvement of thermal conductivity in polymer composites filled with pitch based carbon fiber and graphene nanoplatelets. In POLYMER TESTING. ISSN 0142-9418, 2015, vol. 45, pp. 132-138., Registrované v: WOS

17. [1.1] NYAZIKA, Tatenda - JIMENEZ, Maude - SAMYN, Fabienne - BOURBIGOT, Serge. Pyrolysis modeling, sensitivity analysis, and optimization techniques for combustible materials: A review. In JOURNAL OF FIRE SCIENCES. ISSN 0734-9041, 2019, vol. 37, no. 4-6, pp. 377-433., Registrované v: WOS

18. [1.1] QIU, Lin - ZHU, Ning - FENG, Yanhui - MICHAELIDES, Efsthios E. - ZYLA, Gawel - JING, Dengwei - ZHANG, Xinxin - NORRIS, Pamela M. - MARKIDES, Christos N. - MAHIAN, Omid. A review of recent advances in thermophysical properties at the nanoscale: From solid state to colloids. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, 2020, vol. 843, pp. 1-81., Registrované v: WOS

19. [1.1] SWAMY, M. C. Kumar - SATYANARAYAN. A Review of the Performance and Characterization of Conventional and Promising Thermal Interface Materials for Electronic Package Applications. In JOURNAL OF ELECTRONIC MATERIALS. ISSN 0361-5235, 2019, vol. 48, no. 12, pp. 7623-7634., Registrované v: WOS

20. [1.1] THI-THAO NGO - HUANG, Jin-Huang - WANG, Chi-Chang. Inverse simulation and experimental verification of temperature-dependent thermophysical properties. In INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER. ISSN 0735-1933, 2016, vol. 71, pp. 137-147., Registrované v: WOS

21. [1.1] TROFIMOV, Artem A. - ATCHLEY, Jerald - SHRESTHA, Som S. - DESJARLAIS, Andre O. - WANG, Hsin. Evaluation of measuring thermal conductivity of isotropic and anisotropic thermally insulating materials by transient plane source (Hot Disk) technique. In JOURNAL OF POROUS MATERIALS. ISSN 1380-2224, 2020, vol. 27, no. 6, pp. 1791-1800., Registrované v: WOS

22. [1.1] WANG, Hanfu - CHU, Weiguo - CHEN, Guangming. A Brief Review on Measuring Methods of Thermal Conductivity of Organic and Hybrid Thermoelectric Materials. In ADVANCED ELECTRONIC MATERIALS. ISSN 2199-160X, 2019, vol. 5, no. 11, 1900167., Registrované v: WOS

23. [1.1] WARZOHA, Ronald J. - FLEISCHER, Amy S. Effect of carbon nanotube interfacial geometry on thermal transport in solid-liquid phase change materials. In APPLIED ENERGY. ISSN 0306-2619, 2015, vol. 154, pp. 271-276., Registrované v: WOS

24. [1.1] XING, Junwei - MULIANA, Anastasia - RADOVIC, Miladin. Characterization of thermal transport properties of Ag/BaTiO₃ composites using hot disk: Numerical simulations. In INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER. ISSN 0017-9310, 2018, vol. 116, pp. 599-608.,

Registrované v: WOS

25. [1.1] YATIM, Nur Suhaili Mohd - ABD KARIM, Khairiah - OOI, Boon Seng. Nodular structure and crystallinity of poly(vinylidene fluoride) membranes: Impact on the performance of direct-contact membrane distillation for nutrient isolation. In JOURNAL OF APPLIED POLYMER SCIENCE. ISSN 0021-8995, 2018, vol. 135, no. 44, 46866., Registrované v: WOS

26. [1.1] YOO, Sanghyun - KANDARE, Everson - SHANKS, Robert - AL-MAADEED, Mariam A. - KHATIBI, Akbar Afaghi. Thermophysical properties of multifunctional glass fibre reinforced polymer composites incorporating phase change materials. In THERMOCHIMICA ACTA. ISSN 0040-6031, 2016, vol. 642, pp. 25-31., Registrované v: WOS

27. [1.1] ZHANG, Qingyu - LIPPMANN, Stephanie - GASEMANN, Aaron - ZHU, Mingfang - RETTENMAYR, Markus. Determination of temperature dependent thermophysical properties using an inverse method and an infrared line camera. In INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER. ISSN 0017-9310, 2016, vol. 96, pp. 242-248., Registrované v: WOS

28. [1.1] ZHENG, Qiye - KAUR, Sumanjeet - DAMES, Chris - PRASHER, Ravi S. Analysis and improvement of the hot disk transient plane source method for low thermal conductivity materials. In INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER. ISSN 0017-9310, 2020, vol. 151, 119331., Registrované v: WOS

29. [1.2] AGARWAL, Ashish - SARVIYA, R. M. Characterization of Commercial Grade Paraffin wax as Latent Heat Storage material for Solar dryers. In Materials Today: Proceedings, 2017, vol. 4, no. 2, pp. 779-789., Registrované v: SCOPUS

30. [1.2] HA, Yu Mi - LIM, Daun - LEE, Sol Yi - KIM, Jaewoo - KIM, Jin Hee - KIM, Yoong Ahm - JUNG, Yong Chae. Enhanced thermal conductivity and mechanical properties of polyurethane composites with the introduction of thermally annealed carbon nanotubes. In Macromolecular Research. ISSN 15985032, 2017, vol. 25, no. 10, pp. 1015-1021., Registrované v: SCOPUS

31. [1.2] HE, Suihua - ZHANG, Jingjing - XIAO, Xiaoting - LAI, Yongjian - CHEN, Anfu - ZHANG, Zhengrong. Study on the morphology development and dispersion mechanism of polypropylene/graphene nanoplatelets composites for different shear field. In Composites Science and Technology. ISSN 02663538, 2017, vol. 153, pp. 209-221., Registrované v: SCOPUS

32. [1.2] JANNOT, Yves - DEGIOVANNI, Alain - GRIGOROVA-MOUTIERS, Veneta - GODEFROY, Justine. A passive guard for low thermal conductivity measurement of small samples by the hot plate method. In Measurement Science and Technology. ISSN 09570233, 2017, vol. 28, no. 1, 015008., Registrované v: SCOPUS

33. [1.2] KIM, Hyun Su - KIM, Jong Hyeok - KIM, Woo Young - LEE, Hun Su - KIM, Seong Yun - KHIL, Myung Seob. Volume control of expanded graphite based on inductively coupled plasma and enhanced thermal conductivity of epoxy composite by formation of the filler network. In Carbon. ISSN 00086223, 2017, vol. 119, pp. 40-46., Registrované v: SCOPUS

34. [1.2] LOONG, Tang Tsz - SALLEH, Hamidon. A review on measurement techniques of apparent thermal conductivity of nanofluids. In IOP Conference Series: Materials Science and Engineering. ISSN 17578981, 2017, vol. 226, no. 1, UNSP 012146., Registrované v: SCOPUS

35. [1.2] MO, Songping - ZHU, Kangda - YIN, Tao - CHEN, Ying - CHENG, Zhengdong. Phase change characteristics of ethylene glycol solution-based nanofluids for subzero thermal energy storage. In *International Journal of Energy Research*. ISSN 0363907X, 2017, vol. 41, no. 1, pp. 81-91., Registrované v: SCOPUS
36. [1.2] OSTANEK, Jason - SHAH, Krishna - JAIN, Ankur. Measurement sensitivity analysis of the transient hot source technique applied to flat and cylindrical samples. In *Journal of Thermal Science and Engineering Applications*. ISSN 19485085, 2017, vol. 9, no. 1, 011002., Registrované v: SCOPUS
37. [1.2] ZHANG, Hu - LI, Yue Ming - TAO, Wen Quan. Theoretical accuracy of anisotropic thermal conductivity determined by transient plane source method. In *International Journal of Heat and Mass Transfer*. ISSN 00179310, 2017, vol. 108, pp. 1634-1644., Registrované v: SCOPUS
38. [1.2] ZHANG, Hu - LI, Yueming - TAO, Wenquan. Effect of radiative heat transfer on determining thermal conductivity of semi-transparent materials using transient plane source method. In *Applied Thermal Engineering*. ISSN 13594311, 2017, vol. 114, pp. 337-345., Registrované v: SCOPUS
39. [1.2] ZHANG, Jingjing - HE, Suihua - LV, Pengrong - CHEN, Yuqiang. Processing-morphology-property relationships of polypropylene-graphene nanoplatelets nanocomposites. In *Journal of Applied Polymer Science*. ISSN 00218995, 2017, vol. 134, no. 8, 44486., Registrované v: SCOPUS

ADCA104 BOHÁČ, Vlastimil - DANNA, E. - LEGGIERI, G. - LUBY, Štefan - LUCHES, A. - MAJKOVÁ, Eva - MARTINO, M. Tungsten silicide formation by xecl excimer-laser irradiation of w/si samples. In *Applied Physics A : Materials Science & Processing*, 1993, vol. 56, no. 4, p. 391-396. ISSN 0947-8396.

Ohlasy:

1. [1.1] FAJSTAVR, Dominik - SLEPICKA, Petr - KOLSKA, Zdenka - SVORCIK, Vaclav. Submicron Structures Prepared by Excimer Laser Theory, Properties, and Use. In *CHEMICKE LISTY*. ISSN 0009-2770, 2018, vol. 112, no. 11, pp. 762-769., Registrované v: WOS
2. [1.1] FAJSTAVR, Dominik - PISLOVA, Marketa - SLEPICKA, Petr - SVORCIK, Vaclav. PREPARATION OF COMPOSITE PERIODIC METAL-POLYMER NANOSTRUCTURES. In *10TH ANNIVERSARY INTERNATIONAL CONFERENCE ON NANOMATERIALS RESEARCH & APPLICATION (NANOCON 2018 (R))*, 2019, pp. 289-294., Registrované v: WOS
3. [1.1] FAJSTAVR, Dominik - SLEPICKA, Petr - SVORCIK, Vaclav. LIPSS with gold nanoclusters prepared by combination of heat treatment and KrF exposure. In *APPLIED SURFACE SCIENCE*. ISSN 0169-4332, 2019, vol. 465, pp. 919-928., Registrované v: WOS

ADCA105 BOHÁČ, Vlastimil - KUBIČÁR, Ľudovít - VRETENÁR, Viliam. Use of the pulse transient method to investigate the thermal properties of two porous materials. In *High Temperatures-High Pressures*, 2003, vol. 35-6, no. 1, p. 67-74. ISSN 0018-151X.

Ohlasy:

1. [1.1] TROPPOVA, Eva - TIPPNER, Jan - HRCKA, Richard.

Thermophysical properties of medium density fiberboards measured by quasi-stationary method: experimental and numerical evaluation. In *HEAT AND MASS TRANSFER*. ISSN 0947-7411, 2017, vol. 53, no. 1, pp. 115-125., Registrované v: WOS

ADCA106 BONANOME, M. - BUŽEK, Vladimír - HILLERY, M. - ZIMAN, Mário.

Toward protocols for quantum-ensured privacy and secure voting. In *Physical Review A*, 2011, vol. 84, no. 2, 022331. (2010: 2.861 - IF, Q1 - JCR, 2.400 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.84.022331>

Ohlasy:

1. [1.1] CAO, Hai-Jing - DING, Li-Yuan - JIANG, Xiu-Li - LI, Peng-Fei. A New Proxy Electronic Voting Scheme Achieved by Six-Particle Entangled States. In *INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS*. ISSN 0020-7748, 2018, vol. 57, no. 3, pp. 674-681., Registrované v: WOS
2. [1.1] JI, ZhaoXu - ZHANG, HuanGuo - WANG, HouZhen - WU, FuSheng - JIA, JianWei - WU, WanQing. Quantum protocols for secure multi-party summation. In *QUANTUM INFORMATION PROCESSING*. ISSN 1570-0755, 2019, vol. 18, no. 6, 168., Registrované v: WOS
3. [1.1] LI, Chaoyang - CHEN, Xiubo - LI, Hengji - YANG, Yuguang - LI, Jian. Efficient quantum private comparison protocol based on the entanglement swapping between four-qubit cluster state and extended Bell state. In *QUANTUM INFORMATION PROCESSING*. ISSN 1570-0755, 2019, vol. 18, no. 5, 158., Registrované v: WOS
4. [1.1] LI, Jian - JIA, Lu - ZHOU, Hong-Fu - ZHANG, Ting-Ting. Secure Quantum Private Comparison Protocol Based on the Entanglement Swapping Between Three-Particle W-Class State and Bell State. In *INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS*. ISSN 0020-7748, 2016, vol. 55, no. 3, pp. 1710-1718., Registrované v: WOS
5. [1.1] THAPLIYAL, Kishore - SHARMA, Rishi Dutt - PATHAK, Anirban. Protocols for quantum binary voting. In *INTERNATIONAL JOURNAL OF QUANTUM INFORMATION*. ISSN 0219-7499, 2017, vol. 15, no. 1, 1750007., Registrované v: WOS
6. [1.1] WANG, Qingle - YU, Chaohua - GAO, Fei - QI, Haoyu - WEN, Qiaoyan. Self-tallying quantum anonymous voting. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2016, vol. 94, no. 2, 022333., Registrované v: WOS
7. [1.1] WANG, Sheng-lan - ZHANG, Shun - WANG, Qing - SHI, Run-hua. Fault-Tolerant Quantum Anonymous Voting Protocol. In *INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS*. ISSN 0020-7748, 2019, vol. 58, no. 3, pp. 1008-1016., Registrované v: WOS
8. [1.1] XU, Yong-Zhen - HUANG, Yifan - LU, Wei - LI, Lvzhou. A Quantum Electronic Voting Scheme with d-Level Single Particles. In *INTELLIGENT COMPUTING METHODOLOGIES, ICIC 2018, PT III*. ISSN 0302-9743, 2018, vol. 10956, pp. 710-715., Registrované v: WOS
9. [1.1] ZHANG, Cai - SUN, Zhi-Wei - HUANG, Xiang - LONG, Dong-Yang. Three-party quantum summation without a trusted third party. In *INTERNATIONAL JOURNAL OF QUANTUM INFORMATION*. ISSN 0219-7499, 2015, vol. 13, no. 2, 1550011., Registrované v: WOS
10. [1.1] ZHANG, Huanguo - JI, Zhaoxu - WANG, Houzhen - WU,

Wanqing. Survey on Quantum Information Security. In CHINA COMMUNICATIONS. ISSN 1673-5447, 2019, vol. 16, no. 10, pp. 1-36., Registrované v: WOS

11. [1.1] ZHANG, Shun - WANG, Sheng-lan - WANG, Qing - SHI, Run-hua. Quantum Anonymous Voting Protocol with the Privacy Protection of the Candidate. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2019, vol. 58, no. 10, pp. 3323-3332., Registrované v: WOS

12. [1.1] ZHOU, Bao-Min - ZHANG, Ke-Jia - ZHANG, Xue - WANG, Qing-Le. The Cryptanalysis and Improvement of a Particular Quantum Voting Model. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2020, vol. 59, no. 4, pp. 1109-1120., Registrované v: WOS

ADCA107 BORISENKO, O.A. - BOHÁČIK, Juraj - SKALOZUB, V.V. A(0) condensate in QCD. In *Fortschritte der Physik*, 1995, vol. 43, no. 4, p. 301-348. ISSN 0015-8208.

Ohlasy:

1. [1.1] ALTES, Chris P. Korthals - NISHIMURA, Hiromichi - PISARSKI, Robert D. - SKOKOV, Vladimir V. Free energy of a holonomous plasma. In PHYSICAL REVIEW D. ISSN 1550-7998, 2020, vol. 101, no. 9, 094025., Registrované v: WOS

ADCA108 BOUDA, A. - PIVOLUSKA, M. - PLESCH, Martin. Improving the Hadamard extractor. In *Theoretical Computer Science*, 2012, vol. 459, p. 69-76. (2011: 0.665 - IF, Q3 - JCR, 0.747 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents). ISSN 0304-3975. Dostupné na: <https://doi.org/10.1016/j.tcs.2012.07.030>

Ohlasy:

1. [1.1] HAYLOCK, Ben - PEACE, Daniel - LENZINI, Francesco - WEEDBROOK, Christian - LOBINO, Mirko. Multiplexed Quantum Random Number Generation. In QUANTUM. ISSN 2521-327X, 2019, vol. 3., Registrované v: WOS

ADCA109 BOUDA, J. - PAWLOWSKI, M. - PIVOLUSKA, M. - PLESCH, Martin. Device-independent randomness extraction from an arbitrarily weak min-entropy source. In *Physical Review A*, 2014, vol. 90, no. 3, 032313. (2013: 2.991 - IF, Q1 - JCR, 2.317 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.90.032313>

Ohlasy:

1. [1.1] ACIN, Antonio - MASANES, Lluís. Certified randomness in quantum physics. In NATURE. ISSN 0028-0836, 2016, vol. 540, no. 7632, pp. 213-219., Registrované v: WOS

2. [1.1] BRANDAO, Fernando G. S. L. - RAMANATHAN, Ravishankar - GRUDKA, Andrzej - HORODECKI, Karol - HORODECKI, Michał - HORODECKI, Paweł - SZAREK, Tomasz - WOJEWODKA, Hanna. Realistic noise-tolerant randomness amplification using finite number of devices. In NATURE COMMUNICATIONS. ISSN 2041-1723, 2016, vol. 7, 11345., Registrované v: WOS

3. [1.1] COOPMANS, Tim - KANIEWSKI, Jędrzej - SCHAFFNER, Christian. Robust self-testing of two-qubit states. In PHYSICAL REVIEW A.

- ISSN 2469-9926, 2019, vol. 99, no. 5, 052123., Registrované v: WOS
4. [1.1] CURCHOD, Florian J. - ALMEIDA, Mafalda L. - ACIN, Antonio. A versatile construction of Bell inequalities for the multipartite scenario. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2019, vol. 21, 023016., Registrované v: WOS
5. [1.1] GHEORGHIU, Alexandru - WALLDEN, Petros - KASHEFI, Elham. Rigidity of quantum steering and one-sided device-independent verifiable quantum computation. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2017, vol. 19, 023043., Registrované v: WOS
6. [1.1] HERRERO-COLLANTES, Miguel - CARLOS GARCIA-ESCARTIN, Juan. Quantum random number generators. In REVIEWS OF MODERN PHYSICS. ISSN 0034-6861, 2017, vol. 89, no. 1, 015004., Registrované v: WOS
7. [1.1] KANIEWSKI, Jędrzej - WEHNER, Stephanie. Device-independent two-party cryptography secure against sequential attacks. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2016, vol. 18, 055004., Registrované v: WOS
8. [1.1] KANIEWSKI, Jędrzej - SUPIC, Ivan - TURA, Jordi - BACCARI, Flavio - SALAVRAKOS, Alexia - AUGUSIAK, Remigiusz. Maximal nonlocality from maximal entanglement and mutually unbiased bases, and self-testing of two-qutrit quantum systems. In QUANTUM. ISSN 2521-327X, 2019, vol. 3., Registrované v: WOS
9. [1.1] LI, Dan-Dan - CHEN, Lin-Yan - CAO, Ya - HUANG, Xiao-Hong - GAO, Fei - MA, Yan. The effect on $(2, N, 2)$ Bell tests with distributed measurement dependence. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2020, vol. 19, no. 9, 339., Registrované v: WOS
10. [1.1] LI, Dan-Dan - ZHOU, Yu-Qian - GAO, Fei - LI, Xin-Hui - WEN, Qiao-Yan. Effects of measurement dependence on generalized Clauser-Horne-Shimony-Holt Bell test in the single-run and multiple-run scenarios. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 94, no. 1, 012104., Registrované v: WOS
11. [1.1] NATH BERA, Manabendra - ACIN, Antonio - KUS, Marek - MITCHELL, Morgan W. - LEWENSTEIN, Maciej. Randomness in quantum mechanics: philosophy, physics and technology. In REPORTS ON PROGRESS IN PHYSICS. ISSN 0034-4885, 2017, vol. 80, no. 12, 124001., Registrované v: WOS
12. [1.1] TAN, Ernest Y.Z. - CAI, Yu - SCARANI, Valerio. Measurement-dependent locality beyond independent and identically distributed runs. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 94, no. 3, 032117., Registrované v: WOS

ADCA110 BOUDA, J. - BUŽEK, Vladimír. Entanglement swapping between multi-qudit systems. In *Journal of Physics A*, 2001, vol. 34, no. 20, p. 4301-4311. ISSN 1751-8113. Dostupné na: <https://doi.org/10.1088/0305-4470/34/20/304>

Ohlasy:

1. [1.1] REDWAN, Ahmad - ABDEL-ATY, Abdel-Haleem - ZIDAN, Nour - EL-SHAHAT, Tarek. Dynamics of the entanglement and teleportation of thermal state of a spin chain with multiple interactions. In CHAOS. ISSN 1054-1500, 2019, vol. 29, no. 1, 013138., Registrované v: WOS

2. [1.1] YOSHIDA, Masakazu - KURIYAMA, Toru - CHENG, Jun. Solutions to the mean king's problem: Higher-dimensional quantum error-correcting codes. In *INTERNATIONAL JOURNAL OF QUANTUM INFORMATION*. ISSN 0219-7499, 2016, vol. 14, no. 8, 1650048., Registrované v: WOS
3. [1.1] YU, Ren-Feng - LIN, You-Jun - ZHOU, Ping. Joint remote preparation of arbitrary two- and three-photon state with linear-optical elements. In *QUANTUM INFORMATION PROCESSING*. ISSN 1570-0755, 2016, vol. 15, no. 11, pp. 4785-4803., Registrované v: WOS

ADCA111 BOUDA, J. - ZIMAN, Mário. Optimality of private quantum channels. In *Journal of Physics A*, 2007. Vol. 40, no. 20, p. 5415-5426. ISSN 1751-8113. Dostupné na: <https://doi.org/10.1088/1751-8113/40/20/011>

Ohlasy:

1. [1.1] JEONG, Kabgyun - KIM, Jaewan - LEE, Su-Yong. Gaussian private quantum channel with squeezed coherent states. In *SCIENTIFIC REPORTS*. ISSN 2045-2322, 2015, vol. 5, 13974., Registrované v: WOS
2. [1.1] JEONG, Kabgyun - KIM, Jaewan. Secure sequential transmission of quantum information. In *QUANTUM INFORMATION PROCESSING*. ISSN 1570-0755, 2015, vol. 14, no. 9, pp. 3523., Registrované v: WOS

ADCA112 BOUDA, J. - PIVOLUSKA, M. - PLESCH, Martin - WILMOTT, C. Weak randomness seriously limits the security of quantum key distribution. In *Physical Review A*, 2012, vol. 86, no. 6, 062308. (2011: 2.878 - IF, Q1 - JCR, 2.316 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.86.062308>

Ohlasy:

1. [1.1] AGUILAR, Edgar A. - RAMANATHAN, Ravishankar - KOFLER, Johannes - PAWLOWSKI, Marcin. Completely device-independent quantum key distribution. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2016, vol. 94, no. 2, 022305., Registrované v: WOS
2. [1.1] ERHARD, Manuel - FICKLER, Robert - KRENN, Mario - ZEILINGER, Anton. Twisted photons: new quantum perspectives in high dimensions. In *LIGHT-SCIENCE & APPLICATIONS*. ISSN 2047-7538, 2018, vol. 7, 17146., Registrované v: WOS
3. [1.1] GARCIA-ESCARTIN, Juan Carlos - SAJEED, Shihaan - MAKAROV, Vadim. Attacking quantum key distribution by light injection via ventilation openings. In *PLOS ONE*. ISSN 1932-6203, 2020, vol. 15, no. 8, e0236630., Registrované v: WOS
4. [1.1] GUO, Xiaomin - CHENG, Chen - WU, Mingchuan - GAO, Qingzhong - LI, Pu - GUO, Yanqiang. Parallel real-time quantum random number generator. In *OPTICS LETTERS*. ISSN 0146-9592, 2019, vol. 44, no. 22, pp. 5566-5569., Registrované v: WOS
5. [1.1] HERRERO-COLLANTES, Miguel - CARLOS GARCIA-ESCARTIN, Juan. Quantum random number generators. In *REVIEWS OF MODERN PHYSICS*. ISSN 0034-6861, 2017, vol. 89, no. 1, 015004., Registrované v: WOS
6. [1.1] LI, Hong-Wei - XU, Zheng-Mao - CAI, Qing-Yu. Small imperfect randomness restricts security of quantum key distribution. In

PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 98, no. 6, 062325.,
Registrované v: WOS

7. [1.1] LI, Hong-Wei - XU, Zheng-Mao - YIN, Zhen-Qiang - CAI, Qing-Yu. Security of practical quantum key distribution with weak-randomness basis selection. In PHYSICAL REVIEW A. ISSN 2469-9926, 2020, vol. 102, no. 2, 022605., Registrované v: WOS

8. [1.1] LI, Hong-Wei - YIN, Zhen-Qiang - WANG, Shuang - QIAN, Yong-Jun - CHEN, Wei - GUO, Guang-Can - HAN, Zheng-Fu. Randomness determines practical security of BB84 quantum key distribution. In Scientific Reports. ISSN 2045-2322, 2015, vol. 5, 16200., Registrované v: WOS

9. [1.1] MA, Di - WANG, Yangpeng - WEI, Kejin. Practical source-independent quantum random number generation with detector efficiency mismatch. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2020, vol. 19, no. 10, 384., Registrované v: WOS

10. [1.1] RAHAMAN, Ramij - PARKER, Matthew G. - MIRONOWICZ, Piotr - PAWLOWSKI, Marcin. Device-independent quantum key distribution based on measurement inputs. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 92, no. 6, 062304., Registrované v: WOS

11. [1.1] TRUSHECHKIN, A. S. - TREGUBOV, P. A. - KIKTENKO, E. O. - KUROCHKIN, Y. V. - FEDOROV, A. K. Quantum-key-distribution protocol with pseudorandom bases. In PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 97, no. 1, 012311., Registrované v: WOS

12. [1.1] WANG, Hong - CHEN, Kai - GAO, Ming - MA, Zhi - WANG, Weilong - LI, Chaobo - MA, Chuangui. Randomness expansion with a one-sided trusted device. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 91, no. 5, 052308., Registrované v: WOS

13. [1.1] WEI, Shihai - YANG, Jie - FAN, Fan - HUANG, Wei - LI, Dashuang - XU, Bingjie. Compact quantum random number generator based on superluminescent light-emitting diodes. In REVIEW OF SCIENTIFIC INSTRUMENTS. ISSN 0034-6748, 2017, vol. 88, no. 12, 123115., Registrované v: WOS

14. [1.1] XU, Bingjie - CHEN, Ziyang - LI, Zhengyu - YANG, Jie - SU, Qi - HUANG, Wei - ZHANG, Yichen - GUO, Hong. High speed continuous variable source-independent quantum random number generation. In QUANTUM SCIENCE AND TECHNOLOGY. ISSN 2058-9565, 2019, vol. 4, no. 2, 025013., Registrované v: WOS

15. [1.1] YANG, Jie - LIU, Jinlu - SU, Qi - LI, Zhengyu - FAN, Fan - XU, Bingjie - GUO, Hong. 5.4 Gbps real time quantum random number generator with simple implementation. In OPTICS EXPRESS. ISSN 1094-4087, 2016, vol. 24, no. 24, pp. 27475-27481., Registrované v: WOS

16. [1.1] ZHANG, Chun-Mei - WANG, Wen-Bo - LI, Hong-Wei - WANG, Qin. Weak randomness impacts the security of reference-frame-independent quantum key distribution. In OPTICS LETTERS. ISSN 0146-9592, 2019, vol. 44, no. 5, pp. 1226-1229., Registrované v: WOS

17. [1.1] ZHENG, Yi - HUANG, Peng - PENG, Jinye - ZHU, Yiqun - ZENG, Guihua. Performance analysis of practical continuous-variable quantum key distribution systems with weak randomness. In JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS. ISSN 0953-4075, 2020, vol. 53, no. 9, 095501., Registrované v: WOS

18. [1.1] ZHENG, Ziyong - ZHANG, Yichen - YU, Song - GUO, Hong.

Experimental demonstration of Gaussian distributed quantum random number generator. In QUANTUM PHOTONIC DEVICES 2018. ISSN 0277-786X, 2018, vol. 10733, 107330U., Registrované v: WOS

19. [1.1] ZHENG, Ziyong - ZHANG, Yichen - HUANG, Weinan - YU, Song - GUO, Hong. 6 Gbps real-time optical quantum random number generator based on vacuum fluctuation. In REVIEW OF SCIENTIFIC INSTRUMENTS. ISSN 0034-6748, 2019, vol. 90, no. 4, 043105., Registrované v: WOS

20. [1.1] ZHOU, Yu-Qian - LI, Hong-Wei - WANG, Yu-Kun - LI, Dan-Dan - GAO, Fei - WEN, Qiao-Yan. Semi-device-independent randomness expansion with partially free random sources. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 92, no. 2, 022331., Registrované v: WOS

ADCA113 BRAGANTI, J.P. - HELD, O. - KUHNAST, F.A. - ILLEKOVÁ, Emília.

Kinetic study of isothermal crystallization in amorphous Al₃₃Ni₁₆Zr₅₁ produced by mechanical alloying. In *Thermochimica Acta*, 2000, vol. 362, no. 1-2, p. 71-78.

(1999: 0.880 - IF, Current Contents - CCC). (2000 - Current Contents). Dostupné na: [https://doi.org/10.1016/S0040-6031\(00\)00586-4](https://doi.org/10.1016/S0040-6031(00)00586-4)

Ohlasy:

1. [1.1] SHAKIBHAMEDAN, S. - SHEIBANI, S. - ATAIE, A. High Performance Cu Matrix Nanocomposite Fabricated Through Spark Plasma Sintering of Cu and Cu-Coated CNT. In METALS AND MATERIALS INTERNATIONAL. ISSN 1598-9623, 2020, vol., no., pp., Registrované v: WOS

ADCA114 BRAUNSTEIN, S.L. - BUŽEK, Vladimír - HILLERY, M.

Quantum-information distributors: Quantum network for symmetric and asymmetric cloning in arbitrary dimension and continuous limit. In *Physical Review A*, 2001, vol. 63, no. 5, 052313. (2000: 2.684 - IF). ISSN 1050-2947. Dostupné na:

<https://doi.org/10.1103/PhysRevA.63.052313>

Ohlasy:

1. [1.1] BAI, Cheng-Hua - WANG, Dong-Yang - HU, Shi - CUI, Wen-Xue - JIANG, Xin-Xin - WANG, Hong-Fu. Scheme for implementing multitarget qubit controlled-NOT gate of photons and controlled-phase gate of electron spins via quantum dot-microcavity coupled system. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2016, vol. 15, no. 4, pp. 1485-1498., Registrované v: WOS

2. [1.1] CARMELI, Claudio - HEINOSAARI, Teiko - MIYADERA, Takayuki - TOIGO, Alessandro. Witnessing incompatibility of quantum channels. In JOURNAL OF MATHEMATICAL PHYSICS. ISSN 0022-2488, 2019, vol. 60, no. 12, 122202., Registrované v: WOS

3. [1.1] FAN, You-Ji - ZHENG, Zhen-Fei - ZHANG, Yu - LU, Dao-Ming - YANG, Chui-Ping. One-step implementation of a multi-target-qubit controlled phase gate with cat-state qubits in circuit QED. In FRONTIERS OF PHYSICS. ISSN 2095-0462, 2019, vol. 14, no. 2, 21602., Registrované v: WOS

4. [1.1] HAN, Jin-Xuan - WU, Jin-Lei - WANG, Yan - JIANG, Yong-Yuan - XIA, Yan - SONG, Jie. Multi-qubit phase gate on multiple resonators mediated by a superconducting bus. In OPTICS EXPRESS. ISSN 1094-4087, 2020, vol. 28, no. 2, pp. 1954-1969., Registrované v: WOS

5. [1.1] HASHAGEN, Anna-Lena. Universal asymmetric quantum cloning revisited, In QUANTUM INFORMATION & COMPUTATION, 2017, vol. 17, no. 9-10, pp. 747-778., Registrované v: WOS

6. [1.1] HAW, Jing Yan - ZHAO, Jie - DIAS, Josephine - ASSAD, Syed M. - BRADSHAW, Mark - BLANDINO, Remi - SYMUL, Thomas - RALPH, Timothy C. - LAM, Ping Koy. Surpassing the no-cloning limit with a heralded hybrid linear amplifier for coherent states. In NATURE COMMUNICATIONS. ISSN 2041-1723, 2016, vol. 7., Registrované v: WOS
7. [1.1] LEE, Jaehak - JI, Se-Wan - PARK, Jiyong - NHA, Hyunchul. Monogamy relation in multipartite continuous-variable quantum teleportation. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 94, no. 6, 062318., Registrované v: WOS
8. [1.1] LIU, Tong - CAO, Xiao-Zhi - SU, Qi-Ping - XIONG, Shao-Jie - YANG, Chui-Ping. Multi-target-qubit unconventional geometric phase gate in a multi-cavity system. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2016, vol. 6, 21562., Registrované v: WOS
9. [1.1] LIU, Tong - GUO, Bao-Qing - ZHANG, Yang - YU, Chang-Shui - ZHANG, Wei-Ning. One-step implementation of a multi-target-qubit controlled phase gate in a multi-resonator circuit QED system. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2018, vol. 17, no. 9, UNSP 240., Registrované v: WOS
10. [1.1] REN, Xi-Jun - FAN, Heng. QUANTUM CIRCUITS FOR ASYMMETRIC $1 > n$ QUANTUM CLONING. In QUANTUM INFORMATION & COMPUTATION. ISSN 1533-7146, 2015, vol. 15, no. 11-12, pp. 914., Registrované v: WOS
11. [1.1] SAID, Taoufik - CHOUIKH, Abdelhaq - ESSAMMOUNI, Karima - BENNAI, Mohamed. REALIZING AN N-TWO-QUBIT QUANTUM LOGIC GATES IN A CAVITY QED WITH NEAREST QUBIT-QUBIT INTERACTION. In QUANTUM INFORMATION & COMPUTATION. ISSN 1533-7146, 2016, vol. 16, no. 5-6, pp. 465-482., Registrované v: WOS
12. [1.1] SAID, T. - CHOUIKH, A. - BENNAI, M. A Facile Two-Step Method to Implement and Gates in a Circuit QED. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2018, vol. 57, no. 8, pp. 2536-2545., Registrované v: WOS
13. [1.1] SU, S. L. Rydberg quantum controlled-phase gate with one control and multiple target qubits. In CHINESE PHYSICS B. ISSN 1674-1056, 2018, vol. 27, no. 11, 110304., Registrované v: WOS
14. [1.1] WASEEM, Muhammad - IRFAN, Muhammad - QAMAR, Shahid. Realization of quantum gates with multiple control qubits or multiple target qubits in a cavity. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2015, vol. 14, no. 6, pp. 1869., Registrované v: WOS
15. [1.1] YANG, Chui-Ping - SU, Qi-Ping - ZHANG, Yu - NORI, Franco. Implementing a multi-target-qubit controlled-NOT gate with logical qubits outside a decoherence-free subspace and its application in creating quantum entangled states. In PHYSICAL REVIEW A. ISSN 2469-9926, 2020, vol. 101, no. 3, 032329., Registrované v: WOS
16. [1.1] YE, Biaoliang - ZHENG, Zhen-Fei - ZHANG, Yu - YANG, Chui-Ping. Circuit QED: single-step realization of a multiqubit controlled phase gate with one microwave photonic qubit simultaneously controlling $n-1$ microwave photonic qubits. In OPTICS EXPRESS. ISSN 1094-4087, 2018, vol. 26, no. 23, pp. 30689-30702., Registrované v: WOS
17. [1.1] YE, Biaoliang - ZHENG, Zhen-Fei - YANG, Chui-Ping. Multiplex-controlled phase gate with qubits distributed in a multicavity system.

In PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 97, no. 6, 062336.,
Registrované v: WOS

ADCA115 BRAVYI, S. - CAHA, Libor - MOVASSAGH, R. - NAGAJ, Daniel - SHOR, P. Criticality without frustration for quantum spin-1 chains. In *Physical Review Letters*, 2012, vol. 109, no. 20, 207202. (2011: 7.370 - IF, Q1 - JCR, 6.314 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.109.207202>

Ohlasy:

1. [1.1] ADHIKARI, Khagendra - BEACH, K. S. D. Deforming the Fredkin spin chain away from its frustration-free point. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 99, no. 5, 054436., Registrované v: WOS
2. [1.1] ADHIKARI, Khagendra - BEACH, K. S. D. Tunable quantum spin chain with three-body interactions. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 102, no. 18, 184415., Registrované v: WOS
3. [1.1] ALBA, Vincenzo - SANTALLA, Silvia N. - RUGGIERO, Paola - RODRIGUEZ-LAGUNA, Javier - CALABRESE, Pasquale - SIERRA, German. Unusual area-law violation in random inhomogeneous systems. In JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT. ISSN 1742-5468, 2019, 023105., Registrované v: WOS
4. [1.1] ALEXANDER, Rafael N. - AHMADAIN, Amr - ZHANG, Zhao - KLICH, Israel. Exact rainbow tensor networks for the colorful Motzkin and Fredkin spin chains. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 100, no. 21, 214430., Registrované v: WOS
5. [1.1] ANSHU, Anurag - ARAD, Itai - GOSSET, David. Entanglement Subvolume Law for 2D Frustration-Free Spin Systems. In PROCEEDINGS OF THE 52ND ANNUAL ACM SIGACT SYMPOSIUM ON THEORY OF COMPUTING (STOC '20). ISSN 0737-8017, 2020, pp. 868-874., Registrované v: WOS
6. [1.1] BARBIERO, L. - DELL'ANNA, L. - TROMBETTONI, A. - KOREPIN, V. E. Haldane topological orders in Motzkin spin chains. In PHYSICAL REVIEW B, 2017, vol. 96, no. 18, 180404., Registrované v: WOS
7. [1.1] BAUSCH, Johannes - CUBITT, Toby - OZOLS, Maris. The Complexity of Translationally Invariant Spin Chains with Low Local Dimension. In ANNALES HENRI POINCARÉ, 2017, vol. 18, no. 11, pp. 3449-3513., Registrované v: WOS
8. [1.1] BISHOP, Michael. Spectral Gaps for the Two-Species Product Vacua and Boundary States Models on the d-Dimensional Lattice. In JOURNAL OF STATISTICAL PHYSICS. ISSN 0022-4715, 2019, vol. 175, no. 2, pp. 418-455., Registrované v: WOS
9. [1.1] BOGOLIUBOV, Nicolay M. - MALYSHEV, Cyril. Zero Range Process and Multi-Dimensional Random Walks. In SYMMETRY INTEGRABILITY AND GEOMETRY-METHODS AND APPLICATIONS, 2017, vol. 13, 056., Registrované v: WOS
10. [1.1] BRANDAO, Fernando G. S. L. - CROSSON, Elizabeth - SAHINOGLU, M. Burak - BOWEN, John. Quantum Error Correcting Codes in Eigenstates of Translation-Invariant Spin Chains. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 123, no. 11, 110502., Registrované v: WOS
11. [1.1] CARACENI, Alessandra - STAUFFER, Alexandre. Polynomial

mixing time of edge flips on quadrangulations. In PROBABILITY THEORY AND RELATED FIELDS. ISSN 0178-8051, 2020, vol. 176, no. 1-2, pp. 35-76., Registrované v: WOS

12. [1.1] CURTRIGHT, T. L. - VAN KORTRYK, T. S. - ZACHOS, C. K. Spin multiplicities. In PHYSICS LETTERS A, 2017, vol. 381, no. 5, pp. 422-427., Registrované v: WOS

13. [1.1] DELL'ANNA, Luca. Long-distance entanglement in Motzkin and Fredkin spin chains. In SCIPOST PHYSICS. ISSN 2542-4653, 2019, vol. 7, no. 4, 053., Registrované v: WOS

14. [1.1] DELL'ANNA, L. - BARBIERO, L. - TROMBETTONI, A. Dynamics and correlations in Motzkin and Fredkin spin chains. In JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT. ISSN 1742-5468, 2019, vol. 2019, no. 12, 124025., Registrované v: WOS

15. [1.1] DELL'ANNA, L. - SALBERGER, O. - BARBIERO, L. - TROMBETTONI, A. - KOREPIN, V. E. Violation of cluster decomposition and absence of light cones in local integer and half-integer spin chains. In PHYSICAL REVIEW B. ISSN 2469-9950, 2016, vol. 94, no. 15, 155140., Registrované v: WOS

16. [1.1] FACCHI, P. - FLORIO, G. - PARISI, G. - PASCAZIO, S. - SCARDICCHIO, A. Large-N-approximated field theory for multipartite entanglement. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 92, no. 6., Registrované v: WOS

17. [1.1] FRIEDMAN, B. A. - LEVINE, G. C. Scaling of Entanglement Entropy for the Heisenberg Model on Clusters Joined by Point Contacts. In JOURNAL OF STATISTICAL PHYSICS. ISSN 0022-4715, 2016, vol. 165, no. 4, pp. 727-739., Registrované v: WOS

18. [1.1] GAHRAMANOV, Ilmar - MUSAEV, Edvard T. Integrability properties of Motzkin polynomials. In JOURNAL OF MATHEMATICAL PHYSICS. ISSN 0022-2488, 2020, vol. 61, no. 3, 033509., Registrované v: WOS

19. [1.1] GIAMPAOLO, Salvatore Marco - RAMOS, Flavia Braga - FRANCHINI, Fabio. The frustration of being odd: universal area law violation in local systems. In JOURNAL OF PHYSICS COMMUNICATIONS. ISSN 2399-6528, 2019, vol. 3, no. 8, UNSP 081001., Registrované v: WOS

20. [1.1] GOSSET, David - HUANG, Yichen. Correlation Length versus Gap in Frustration-Free Systems. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2016, vol. 116, no. 9, 097202., Registrované v: WOS

21. [1.1] HAKOSHIMA, Hideaki - SHIMIZU, Akira. Anomalous Enhancement of Entanglement Entropy in Nonequilibrium Steady States Driven by Zero-Temperature Reservoirs. In JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN. ISSN 0031-9015, 2019, vol. 88, no. 2, 023001., Registrované v: WOS

22. [1.1] CHEN, Xiao - FRADKIN, Eduardo - WITCZAK-KREMPA, William. Quantum spin chains with multiple dynamics. In PHYSICAL REVIEW B, 2017, vol. 96, no. 18, 180402., Registrované v: WOS

23. [1.1] CHEN, Xiao - FRADKIN, Eduardo - WITCZAK-KREMPA, William. Gapless quantum spin chains: multiple dynamics and conformal wavefunctions. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL, 2017, vol. 50, no. 46, 464002., Registrované v: WOS

24. [1.1] IACONIS, Jason - LUCAS, Andrew - CHEN, Xiao. Measurement-induced phase transitions in quantum automaton circuits. In

- PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 102, no. 22, 224311.,
Registrované v: WOS
25. [1.1] JARRET, Michael - JORDAN, Stephen P. ADIABATIC OPTIMIZATION WITHOUT LOCAL MINIMA. In QUANTUM INFORMATION & COMPUTATION. ISSN 1533-7146, 2015, vol. 15, no. 3-4, pp. 181., Registrované v: WOS
26. [1.1] JOHNSON, Peter D. - TICOZZI, Francesco - VIOLA, Lorenza. GENERAL FIXED POINTS OF QUASI-LOCAL FRUSTRATION-FREE QUANTUM SEMIGROUPS: FROM INVARIANCE TO STABILIZATION. In QUANTUM INFORMATION & COMPUTATION. ISSN 1533-7146, 2016, vol. 16, no. 7-8, pp. 657-699., Registrované v: WOS
27. [1.1] LAI, Hsin-Hua - YANG, Kun. Probing critical surfaces in momentum space using real-space entanglement entropy: Bose versus Fermi. In PHYSICAL REVIEW B. ISSN 2469-9950, 2016, vol. 93, no. 12, 121109., Registrované v: WOS
28. [1.1] LEMM, Marius - MOZGUNOV, Evgeny. Spectral gaps of frustration-free spin systems with boundary. In JOURNAL OF MATHEMATICAL PHYSICS. ISSN 0022-2488, 2019, vol. 60, no. 5, 051901., Registrované v: WOS
29. [1.1] PADMANABHAN, Pramod - SUGINO, Fumihiko - KOREPIN, Vladimir. Quantum phase transitions and localization in semigroup Fredkin spin chain. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2019, vol. 18, no. 3, 69., Registrované v: WOS
30. [1.1] RAO, Wen-Jia - CAI, Kang - WAN, Xin - ZHANG, Guang-Ming. Emergent quantum criticality from fractionalizing one-dimensional SO(5) symmetric valence-bond solid states. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 92, no. 21, 214430., Registrované v: WOS
31. [1.1] ROY, Nilanjan - SHARMA, Auditya - MUKHERJEE, Rick. Quantum simulation of long-range XY quantum spin glass with strong area-law violation using trapped ions. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 99, no. 5, 052342., Registrované v: WOS
32. [1.1] SALBERGER, Olof - KOREPIN, Vladimir. Entangled spin chain. In REVIEWS IN MATHEMATICAL PHYSICS, 2017, vol. 29, no. 10, 1750031., Registrované v: WOS
33. [1.1] SALBERGER, Olof - UDAGAWA, Takuma - ZHANG, Zhao - KATSURA, Hosho - KLICH, Israel - KOREPIN, Vladimir. Deformed Fredkin spin chain with extensive entanglement. In JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT, 2017, 063103., Registrované v: WOS
34. [1.1] SUGINO, Fumihiko - KOREPIN, Vladimir. Renyi entropy of highly entangled spin chains. In INTERNATIONAL JOURNAL OF MODERN PHYSICS B. ISSN 0217-9792, 2018, vol. 32, no. 28, 1850306., Registrované v: WOS
35. [1.1] SUGINO, Fumihiko - PADMANABHAN, Pramod. Quantum phase transitions in a frustration-free spin chain based on modified Motzkin walks. In EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS. ISSN 1951-6355, 2018, vol. 227, no. 3-4, pp. 269-284., Registrované v: WOS
36. [1.1] SUGINO, Fumihiko - PADMANABHAN, Pramod. Area law violations and quantum phase transitions in modified Motzkin walk spin chains. In JOURNAL OF STATISTICAL MECHANICS-THEORY AND

- EXPERIMENT. ISSN 1742-5468, 2018, 013101., Registrované v: WOS
37. [1.1] SWINGLE, Brian - MCGREEVY, John. Mixed s-sourcery: Building many-body states using bubbles of nothing. In PHYSICAL REVIEW B. ISSN 2469-9950, 2016, vol. 94, no. 15, 155125., Registrované v: WOS
38. [1.1] SWINGLE, Brian - MCGREEVY, John. Area law for gapless states from local entanglement thermodynamics. In PHYSICAL REVIEW B. ISSN 2469-9950, 2016, vol. 93, no. 20, 205120., Registrované v: WOS
39. [1.1] UDAGAWA, Takuma - KATSURA, Hosho. Finite-size gap, magnetization, and entanglement of deformed Fredkin spin chain. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL, 2017, vol. 50, no. 40, 405002., Registrované v: WOS
40. [1.1] WITCZAK-KREMPA, William. Entanglement susceptibilities and universal geometric entanglement entropy. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 99, no. 7, 075138., Registrované v: WOS
41. [1.1] WOODS, Mischa P. - ALHAMBRA, Alvaro M. Continuous groups of transversal gates for quantum error correcting codes from finite clock reference frames. In QUANTUM. ISSN 2521-327X, 2020, vol. 4., Registrované v: WOS
42. [1.1] ZHANG, Zhao - AHMADAIN, Amr - KLICH, Israel. Novel quantum phase transition from bounded to extensive entanglement. In PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, 2017, vol. 114, no. 20, pp. 5142-5146., Registrované v: WOS
43. [1.1] ZHANG, Zhao - KLICH, Israel. Entropy, gap and a multi-parameter deformation of the Fredkin spin chain. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL, 2017, vol. 50, no. 42, 425201., Registrované v: WOS

ADCA116 BRAZIER, A. - BUŽEK, Vladimír - KNIGHT, P.L. Probabilistic programmable quantum processors with multiple copies of program states. In *Physical Review A*, 2005, vol. 71, no. 3, 032306. ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.71.032306>

Ohlasy:

1. [1.1] CHABAUD, Ulysse - DIAMANTI, Eleni - MARKHAM, Damian - KASHEFI, Elham - JOUX, Antoine. Optimal quantum-programmable projective measurement with linear optics. In PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 98, no. 6, 062318., Registrované v: WOS
2. [1.1] MO, Yin - CHIRIBELLA, Giulio. Quantum-enhanced learning of rotations about an unknown direction. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2019, vol. 21, no. 11, 113003., Registrované v: WOS
3. [1.1] YANG, Yuxiang - RENNER, Renato - CHIRIBELLA, Giulio. Optimal Universal Programming of Unitary Gates. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2020, vol. 125, no. 21, 210501., Registrované v: WOS

ADCA117 BRNDIAR, Ján - DERIAN, René - MARKOŠ, Peter. Generalized Dorokhov-Mello-Pereyra-Kumar equation for strongly localized regime: Numerical solution. In *Physical Review B*, 2007, vol. 76, no. 15, 155320. (2006: 3.107 - IF, Q1 - JCR, 2.620 - SJR, Q1 - SJR, Current Contents - CCC). (2007 - Current Contents, WOS, SCOPUS). ISSN 1550-235X.

Ohlasy:

1. [1.1] PEDROSA, Victor - ALMEIDA, F. A. G. - DE SENA, M. I. - MACEDO, A. M. S. Strong and weak localization in a ballistic quantum chain. In *PHYSICA SCRIPTA*. ISSN 0031-8949, 2015, vol. T165, 014016., Registrované v: WOS

ADCA118 BRNDIAR, Ján - TURANSKÝ, Robert - ŠTICH, Ivan. Simulation of frictional behavior of Sb nanoparticles on HOPG: Frictional duality and biduality. In *Physical Review B*, 2011, vol.84, no.8, 085449. (2010: 3.774 - IF, Q1 - JCR, 3.318 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.84.085449>

Ohlasy:

1. [1.1] WAN NENG - LEI SHUANG-YING - XU JUN - MARTINI, Matteo. A 'jump-to-coalescence' mechanism during nanoparticle growth revealed by in situ aberration-corrected transmission electron microscopy observations. In *NANOTECHNOLOGY*. ISSN 0957-4484, 2016, vol. 27, no. 20, 205605., Registrované v: WOS

ADCA119 BRNDIAR, Ján - TURANSKÝ, Robert - DIETZEL, D. - SCHIRMEISEN, A. - ŠTICH, Ivan. Understanding frictional duality and bi-duality: Sb-nanoparticles on HOPG. In *Nanotechnology*, 2011, vol. 22, no. 8, 085704. (2010: 3.652 - IF, Q1 - JCR, 1.844 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents). ISSN 0957-4484. Dostupné na: <https://doi.org/10.1088/0957-4484/22/8/085704>

Ohlasy:

1. [1.1] BAKSI, Merve - TOFFOLI, Daniele - GULSEREN, Oguz - USTUNEL, Hande. Nanotribological Properties of the h-BN/Au(111) Interface: A DFT Study. In *JOURNAL OF PHYSICAL CHEMISTRY C*. ISSN 1932-7447, 2019, vol. 123, no. 46, pp. 28411-28418., Registrované v: WOS

2. [1.1] CIHAN, Ebru - IPEK, Semran - DURGUN, Engin - BAYKARA, Mehmet Z. Structural lubricity under ambient conditions. In *NATURE COMMUNICATIONS*. ISSN 2041-1723, 2016, vol. 7, 12055., Registrované v: WOS

3. [1.1] MANINI, N. - BRAUN, Oleg M. - VANOSSI, A. Nanotribology: Nonlinear Mechanisms of Friction. In *FUNDAMENTALS OF FRICTION AND WEAR ON THE NANOSCALE, 2ND EDITION*. ISSN 1434-4904, 2015, pp. 175-208., Registrované v: WOS

4. [1.1] VANOSSI, Andrea - BECHINGER, Clemens - URBACH, Michael. Structural lubricity in soft and hard matter systems. In *NATURE COMMUNICATIONS*. ISSN 2041-1723, 2020, vol. 11, no. 1, 4657., Registrované v: WOS

5. [1.1] WANG, Wen - LI, Xide. Interlayer motion and ultra-low sliding friction in microscale graphite flakes. In *EPL*. ISSN 0295-5075, 2019, vol. 125, no. 2, 26003., Registrované v: WOS

6. [1.1] ZHU, Peng-Zhe - HU, Yuan-Zhong - MA, Tian-Bao - LI, Rui - WANG, Hui. Atomic simulations of effects of contact size and interfacial interaction strength on superlubricity in incommensurate sliding interface. In *APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING*. ISSN 0947-8396, 2015, vol. 118, no. 1, pp. 301-306., Registrované v: WOS

ADCA120 BRNDIAR, Ján - MARKOŠ, Peter. Universality of the metal-insulator transition in three-dimensional disordered systems. In *Physical Review B*, 2006, vol. 74, no. 15, 153103. Dostupné na: <https://doi.org/10.1103/PhysRevB.74.153103>

Ohlasy:

1. [1.1] EKUMA, C. E. - MOORE, C. - TERLETSKA, H. - TAM, K.M. - MORENO, J. - JARRELL, M. - VIDHYADHIRAJA, N. S. Finite-cluster typical medium theory for disordered electronic systems. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2015, vol. 92, no. 1, 014209., Registrované v: WOS
2. [1.1] PIXLEY, J. H. - GOSWAMI, Pallab - DAS SARMA, S. Anderson Localization and the Quantum Phase Diagram of Three Dimensional Disordered Dirac Semimetals. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2015, vol. 115, no. 7, 076601., Registrované v: WOS
3. [1.1] SUSLOV, I. M. Multifractality and quantum diffusion from self-consistent theory of localization. In *JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS*. ISSN 1063-7761, 2015, vol. 121, no. 5, pp. 885-901., Registrované v: WOS
4. [1.1] ZHANG, Wei - WANG, Lei - WANG, Ziqiang. Interpretable machine learning study of the many-body localization transition in disordered quantum Ising spin chains. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2019, vol. 99, no. 5, 054208., Registrované v: WOS
5. [1.1] ZHANG, Y. - ZHANG, Y. F. - YANG, S. X. - TAM, K.M. - VIDHYADHIRAJA, N. S. - JARRELL, M. Calculation of two-particle quantities in the typical medium dynamical cluster approximation. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2017, vol. 95, no. 14, 144208., Registrované v: WOS

ADCA121 BRNDIAR, Ján - ŠTICH, Ivan. Van der Waals interaction energies of small fragments of P, As, Sb, S, Se and Te: Comparison of complete basis set limit CCSD(T) and DFT with approximate dispersion. In *Journal of Chemical Theory and Computation*, 2012, vol. 8, no. 7, p. 2301-2309. (2011: 5.215 - IF, Q1 - JCR, 2.770 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents). ISSN 1549-9618. Dostupné na: <https://doi.org/10.1021/ct300258z>

Ohlasy:

1. [1.1] ILAWE, Niranjan V. - ZIMMERMAN, Jonathan A. - WONG, Bryan M. Breaking Badly: DFT-D2 Gives Sizeable Errors for Tensile Strengths in Palladium-Hydride Solids. In *JOURNAL OF CHEMICAL THEORY AND COMPUTATION*. ISSN 1549-9618, 2015, vol. 11, no. 11, pp. 5426- 5435., Registrované v: WOS

ADCA122 BRNDIAROVÁ, Jana** - ŠIFFALOVÍČ, Peter - HULMAN, Martin - KÁLOSI, Anna - BODIK, Michal - SKÁKALOVÁ, V. - MIČUŠÍK, Matej - MARKOVIČ, Zoran M. - MAJKOVÁ, Eva - FRÖHLICH, Karol. Functionalized graphene transistor for ultrasensitive detection of carbon quantum dots. In *Journal of Applied Physics*, 2019, vol. 126, no. 214303. (2018: 2.328 - IF, Q2 - JCR, 0.746 - SJR, Q2 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 0021-8979. Dostupné na: <https://doi.org/10.1063/1.5120757>

Ohlasy:

1. [1.1] HUANG, Chi-Hsien - HUANG, Tzu-Ting - CHIANG, Chia-Heng - HUANG, Wei-Ting - LIN, Yi-Ting. A chemiresistive biosensor based on a layered graphene oxide/graphene composite for the sensitive and

selective detection of circulating miRNA-21. In *BIOSENSORS & BIOELECTRONICS*. ISSN 0956-5663, 2020, vol. 164, 112320., Registrované v: WOS

ADCA123 BROMMER, P. - GAEHLER, F. - MIHALKOVIČ, Marek. Ordering and correlation of cluster orientations in CaCd6. In *Philosophical Magazine*, 2007, vol. 87, no. 18-21, p. 2671-2677. (2006: 1.354 - IF, Q1 - JCR, 1.177 - SJR, Q1 - SJR). ISSN 1478-6435. Dostupné na: <https://doi.org/10.1080/14786430701361370>

Ohlasy:

1. [1.1] BROMMER, Peter - KISELEV, Alexander - SCHOPF, Daniel - BECK, Philipp - ROTH, Johannes - TREBIN, Hans-Rainer. Classical interaction potentials for diverse materials from ab initio data: a review of potfit. In *MODELLING AND SIMULATION IN MATERIALS SCIENCE AND ENGINEERING*. ISSN 0965-0393, 2015, vol. 23, no. 7, 074002., Registrované v: WOS

2. [1.1] NASSOUR, A. Embedded atom approach for gold-silicon system from ab initio molecular dynamics simulations using the force matching method. In *BULLETIN OF MATERIALS SCIENCE*. ISSN 0250-4707, 2016, vol. 39, no. 5, pp. 1339-1347., Registrované v: WOS

ADCA124 BRUNEL, M. - ENZO, S. - JERGEL, Matej - MAJKOVÁ, Eva - VÁVRA, Ivo. Structural characterization and thermal stability of W/Si multi-layers. In *Journal of Materials Research*, 1993, vol. 8, p. 2600. ISSN 0884-2914.

Ohlasy:

1. [1.1] DORING, F. - MAJOR, A. - EBERL, C. - KREBS, H.U. Minimized thermal conductivity in highly stable thermal barrier W/ZrO₂ multilayers. In *APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING*. OCT 2016, vol. 122, no. 10., Registrované v: WOS

2. [1.1] HUANG, Q.S. - ZHANG, J.S. - QI, R.Z. - YANG, Y. - WANG, F.L. - ZHU, J. - ZHANG, Z. - WANG, Z.S. Structure and stress studies of low temperature annealed W/Si multilayers for the X-ray telescope. In *OPTICS EXPRESS*. JUL 11 2016, vol. 24, no. 14, p. 15620-15630., Registrované v: WOS

ADCA125 BUENDIA, G.M. - RIKVOLD, P.A. - KOLEŠÍK, Miroslav. Microstructure and velocity of field-driven solid-on-solid interfaces moving under stochastic dynamics with local energy barriers. In *Physical Review B*, 2006, vol. 73, no. 4, 045437. (2005: 3.185 - IF, Q1 - JCR, 2.126 - SJR, Q1 - SJR, Current Contents - CCC). (2006 - Current Contents, WOS, SCOPUS). ISSN 1550-235X.

Ohlasy:

1. [1.1] HUESPE, V. J. - BELARDINELLI, R.E. - PEREYRA, V. D. - et al. Comparison between different adsorption-desorption kinetics schemes in two dimensional lattice gas. In *PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS*, 2017, vol. 488, pp. 162 - 176., Registrované v: WOS

ADCA126 BUTLER-MOORE, K. - ARYAEINEJAD, R. - ZHANG, X.Q. - BABU, B.R.S. - HAMILTON, J.H. - RAMAYYA, A.V. - HWANG, J.K. - OBERACKER, V.E. - ZHU, S.J. - KORMICKI, J. - PEKER, L.K. - COLE, J.D. - DARDENNE, Y.X. - MA, W.C. - ASZTALOC, S.J. - CHU, S.Y. - GREGORICH, K.E. - LEE, I.Y. - MOHAR, M.F. - RASMUSSEN, J.Q. - LOUGHEED, R.W. - MOODY, K.J. -

STOYER, M.A. - WILD, J.F. - PRUSSIN, S.G. - TER-AKOPIAN, G.M. - OGANESSIAN, Y.T. - DANIEL, A.V. - KLIMAN, Ján - MORHÁČ, Miroslav. High-spin states in neutron-rich even-even Pd isotopes. In *Journal of Physics G: Nuclear and particle physics*, 1999, vol. 25, no. 11, p. 2253-2269. ISSN 0954-3899. Dostupné na: <https://doi.org/10.1088/0954-3899/25/11/307>

Ohlasy:

1. [1.1] LALKOVSKI, S. - KONDEV, F. G. Nuclear Data Sheets for A=112. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2015, vol. 124, pp. 157-412., Registrované v: WOS

ADCA127 BUTVIN, Pavol - PRASLIČKA, D. - BLAŽEK, J. - BUTVINOVÁ, Beata. A relax type wide range field sensor using Finement. In *Sensors and Actuators A*, 2003, vol. 106, p. 22-25. Dostupné na: [https://doi.org/10.1016/S0924-4247\(03\)00097-9](https://doi.org/10.1016/S0924-4247(03)00097-9)

Ohlasy:

1. [1.1] RIPKA, Pavel - PRIBIL, Michal - SCHAFFER, Viola - SNOEIJ, Martijn. Flugate Sensor With Pulse Feedback. In IEEE TRANSACTIONS ON MAGNETICS. ISSN 0018-9464, 2016, vol. 52, no. 5, 4000704., Registrované v: WOS

ADCA128 BUTVIN, Pavol - BUTVINOVÁ, Beata - SILVEYRA, J.M. - CHROMČÍKOVÁ, Mária - JANIČKOVIČ, Dušan - SITEK, J. - ŠVEC, Peter - VLASÁK, Gabriel. Effects of substitution of Mo for Nb on less-common properties of Finemet alloys. In *Journal of Magnetism and Magnetic Materials*, 2010, vol. 322, no. 20, p. 3035-3040. (2009: 1.204 - IF, Q2 - JCR, 0.844 - SJR, Q2 - SJR, Current Contents - CCC). (2010 - Current Contents, WOS, SCOPUS). ISSN 0304-8853. Dostupné na: <https://doi.org/10.1016/j.jmmm.2010.05.025>

Ohlasy:

1. [1.1] GHEIRATMAND, T. - HOSSEINI, H. R. Madaah. Finemet nanocrystalline soft magnetic alloy: Investigation of glass forming ability, crystallization mechanism, production techniques, magnetic softness and the effect of replacing the main constituents by other elements. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2016, vol. 408, pp. 177-192., Registrované v: WOS
2. [1.1] MOYA, Javier A. - GAMARRA CAMELLA, Soledad - BEREJNOI, Carlos. Evolution of soft magnetic, mechanical and electrical properties measured simultaneously during annealing of rapidly solidified alloys. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2019, vol. 476, pp. 248-253., Registrované v: WOS
3. [1.1] WANG, Yuhao - TIAN, Yefan - KIRK, Tanner - LARIS, Omar - ROSS, Joseph H. - NOEBE, Ronald D. - KEYLIN, Vladimir - ARROYAVE, Raymundo. Accelerated design of Fe-based soft magnetic materials using machine learning and stochastic optimization. In ACTA MATERIALIA. ISSN 1359-6454, 2020, vol. 194, pp. 144-155., Registrované v: WOS
4. [1.1] XIAO, Meng - YANG, Yuanzheng - ZHENG, Zhigang - LIU, Xin - ZHOU, Qing - QIU, Zhaoguo - ZENG, Dechang. Comparative study of V and Mo on the glass formation and magnetic properties of Fe-Si-B-Cu-Nb-M (M = V, Mo) nanocrystalline for high frequency applications. In JOURNAL OF NON-CRYSTALLINE SOLIDS. ISSN 0022-3093, 2020, vol. 546, 120294., Registrované v: WOS

ADCA129 BUTVIN, Pavol - JANOŠEK, M. - RIPKA, P. - BUTVINOVÁ, Beata - ŠVEC, Peter - KUZMINSKI, M. - ŠVEC, Peter Jr. - JANIČKOVIČ, Dušan - VLASÁK, Gabriel. Field annealed closed-path fluxgate sensors made of metallic-glass ribbons. In *Sensors and Actuators A*, 2012, vol. 184, p. 72-77. (2011: 3.898 - IF, Q1 - JCR, 1.485 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents). ISSN 0925-4005. Dostupné na: <https://doi.org/10.1016/j.sna.2012.07.001>

Ohlasy:

1. [1.1] BUTTA, Mattia - SCHUTTE, Byron P. Low-Noise Orthogonal Fluxgate Using Flipped Current Joule Annealing. In *IEEE TRANSACTIONS ON MAGNETICS*. ISSN 0018-9464, 2019, vol. 55, no. 7, 4002906.,

Registrované v: WOS

2. [1.1] CHEN, Y. S. - GOLYGIN, E. A. - GAVRILYUK, A. A. - LIN, J. G. Post-treatment effects on the magnetic anisotropy of iron based metallic amorphous ribbons. In *JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS*. ISSN 0304-8853, 2018, vol. 461, pp. 106-110., Registrované v: WOS

3. [1.1] LEI, Chong - LIU, Yan - SUN, Xue-Cheng - WANG, Tao - YANG, Zhen - ZHOU, Yong. Improved Performance of Integrated Solenoid Fluxgate Sensor Chip Using a Bilayer Co-Based Ribbon Core. In *IEEE SENSORS JOURNAL*. ISSN 1530-437X, 2015, vol. 15, no. 9, 1-1, pp. 5010., Registrované v: WOS

4. [1.1] LUCAS, Irene - CIUDAD, David - PLAZA, Manuel - RUIZ-GOMEZ, Sandra - AROCA, Claudio - PEREZ, Lucas. Assessment of Layer Thickness and Interface Quality in CoP Electrodeposited Multilayers. In *ACS Applied Materials & Interfaces*. ISSN 1944-8244, 2016, vol. 8, no. 29, pp. 18930-18934., Registrované v: WOS

5. [1.1] NOSENKO, Anton - KYRYLCHUK, Vasyl V. - SEMEN'KO, Mykhailo P. - NOWICKI, Michal - MARUSENKOV, Andriy - MIKA, Taras M. - SEMYRGA, Oleksandr M. - ZELINSKA, Galyna M. - NOSENKO, Viktor K. Soft magnetic cobalt based amorphous alloys with low saturation induction. In *JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS*. ISSN 0304-8853, 2020, vol. 515, 167328., Registrované v: WOS

6. [1.1] PETRUCHA, Vojtech. Low-cost dual-axes fluxgate sensor with a flat field-annealed magnetic core. In *2016 IEEE SENSORS APPLICATIONS SYMPOSIUM (SAS 2016) PROCEEDINGS*, 2016, pp. 140-143., Registrované v: WOS

7. [1.1] ZHI, Shaotao - LEI, Chong - YANG, Zhen - FENG, Zhu - GUO, Lei - ZHOU, Yong. Effect of Field Annealing Induced Magnetic Anisotropy on the Performance of Meander-Core Orthogonal Fluxgate Sensor. In *PHYSICA STATUS SOLIDI A-APPLICATIONS AND MATERIALS SCIENCE*. ISSN 1862-6300, 2018, vol. 215, no. 21, 1800400., Registrované v: WOS

8. [1.2] BUTTA, Mattia. Orthogonal fluxgate magnetometers. In *Smart Sensors, Measurement and Instrumentation*. ISSN 21948402, 2017, vol. 19, pp. 63-102., Registrované v: SCOPUS

9. [1.2] BUTTA, M. Effect of thickness of electroplated NiFe cores on the noise of fluxgates. In *Acta Physica Polonica A*. ISSN 05874246, 2017, vol. 131, no. 4, pp. 756-758., Registrované v: SCOPUS

10. [1.2] MILES, David M. - MANN, Ian R. - KALE, Andy - MILLING,

David K. - NAROD, Barry B. - BENNEST, John R. - BARONA, David - UNSWORTH, Martyn J. The effect of winding and core support material on the thermal gain dependence of a fluxgate magnetometer sensor. In *Geoscientific Instrumentation, Methods and Data Systems*. ISSN 21930856, 2017, vol. 6, no. 2, pp. 377-396., Registrované v: SCOPUS

11. [1.2] ZHI, Shaotao - FENG, Zhu - GUO, Lei - LEI, Chong - ZHOU, Yong. Investigation of a novel MEMS orthogonal fluxgate sensor fabricated with Co-based amorphous ribbon core. In *Sensors and Actuators, A: Physical*. ISSN 09244247, 2017, vol. 267, pp. 121-126., Registrované v: SCOPUS

ADCA130 BUTVIN, Pavol - BUTVINOVÁ, Beata - SITEK, J. - DEGMOVÁ, Jarmila - VLASÁK, Gabriel - ŠVEC, Peter - JANIČKOVIČ, Dušan. Magnetic properties and macroscopic heterogeneity of FeCoNbB hitperms. In *Journal of Magnetism and Magnetic Materials*, 2008, vol. 320, p. 1133-1140. (2007: 1.704 - IF, Q2 - JCR, 0.711 - SJR, Q2 - SJR, Current Contents - CCC). (2008 - Current Contents, SCOPUS). ISSN 0304-8853. Dostupné na: <https://doi.org/10.1016/j.jmmm.2007.10.026>

Ohlasy:

1. [1.1] BLAZQUEZ, J. S. - MARCIN, J. - ANDREJKA, F. - FRANCO, V. - CONDE, A. - SKORVANEK, I. Study of the Induced Anisotropy in Field Annealed Hitperm Alloys by Mossbauer Spectroscopy and Kerr Microscopy. In *METALLURGICAL AND MATERIALS TRANSACTIONS A-PHYSICAL METALLURGY AND MATERIALS SCIENCE*. ISSN 1073-5623, 2016, vol. 47A, no. 8, pp. 4301-4305., Registrované v: WOS

ADCA131 BUTVINOVÁ, Beata - BUTVIN, Pavol - KUZMINSKI, M. - SLAWSKA-WANIEWSKA, A. - MATKO, Igor - ŠVEC, Peter - ŠVEC, Peter Jr. - KADLEČÍKOVÁ, M. - HUBEŇÁK, M. - JANIČKOVIČ, Dušan. Effects of grain growth blocking in annealed metalloid-poor Fe-M-Cu-B-Si ribbons (M= Nb, Mo, V). In *Journal of Alloys and Compounds*, 2015, vol. 648, p. 527-533. (2014: 2.999 - IF, Q1 - JCR, 1.117 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 0925-8388. Dostupné na: <https://doi.org/10.1016/j.jallcom.2015.06.232>

Ohlasy:

1. [1.1] DU SHUAILONG - ZHANG CE - BIAN LUPENG - SUN JIBING - ZHANG LEI - BU SHAOJING. Structure and Properties of Finemet-type Fe₇₃Si_{15.5}Nb_{1.1}V_{2.4}B₇Cu₁ Ribbons. In *RARE METAL MATERIALS AND ENGINEERING*. ISSN 1002-185X, 2018, vol. 47, no. 11, pp. 3548-3553., Registrované v: WOS

ADCA132 BUTVINOVÁ, Beata - BUTVIN, Pavol - ŠVEC, Peter - VLASÁK, Gabriel - JANIČKOVIČ, Dušan. Influence of V and Cr substitutions on magnetic properties of FeCoNbB hitperms. In *Acta Physica Polonica A*, 2008, vol. 113, no. 1, p. 111-114.

Ohlasy:

1. [1.1] SONG, Yiming - JIA, Min - LIN, Min - LI, Xiang - LU, Wei. Thermal stability, magnetic properties and GMI effect of Cr-doping amorphous CoFeSiB ribbons. In *JOURNAL OF ALLOYS AND COMPOUNDS*. ISSN 0925-8388, 2015, vol. 622, pp. 500-503., Registrované v: WOS

ADCA133 BUTVINOVÁ, Beata - BUTVIN, Pavol - MAŤKO, Igor - KADLEČÍKOVÁ, M. - KUZMINSKI, M. - ŠVEC, Peter Jr.. Surface mediated impact of thermal treatment ambience on magnetic properties of Fe-Nb-Cu-B-Si nanocrystalline ribbons. In *Applied Surface Science*, 2014, vol. 301, p. 119-125. (2013: 2.538 - IF, Q1 - JCR, 0.965 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents). ISSN 0169-4332. Dostupné na: <https://doi.org/10.1016/j.apsusc.2014.01.199>

Ohlasy:

1. [1.1] NOURMOHAMMADI, Abolghasem - FESHARAKI, Hamed Mohammadi. Improving the soft magnetic properties of the Fe_{73.5}Si_{13.5}B₉Nb₃Cu₁ nanostructured ribbons by annealing in the hydrogen atmosphere. In JAPANESE JOURNAL OF APPLIED PHYSICS. ISSN 0021-4922, 2018, vol. 57, no. 12, 123002., Registrované v: WOS
2. [1.2] CHEN, Qiushi - DONG, Yong - ZHANG, Junjia - LU, Yiping. Microstructure and Properties of AlCoCrFeNiB_{inf}/inf(x=0, 0.1, 0.25, 0.5, 0.75, 1.0) High Entropy Alloys. In Xiyou Jinshu Cailiao Yu Gongcheng/Rare Metal Materials and Engineering. ISSN 1002185X, 2017, vol. 46, no. 3, pp. 651-656., Registrované v: SCOPUS

ADCA134 BUŽEK, Vladimír - JEX, I. Amplitude kappa-th-power squeezing of kappa-photon coherent states. In *Physical Review A*, 1990, vol. 41, no. 7, p. 4079-4082. ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.41.4079>

Ohlasy:

1. [1.1] ABBASI, O. - JAFARI, A. Four-photon nonlinear coherent states, In JOURNAL OF MODERN OPTICS, 2017, vol. 64, no. 1, pp. 32-45., Registrované v: WOS
2. [1.1] BAYEN, Dolan Krishna - MANDAL, Swapan. Squeezing of coherent light coupled to a periodically driven two-photon anharmonic oscillator. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2020, vol. 135, no. 6., Registrované v: WOS

ADCA135 BUŽEK, Vladimír - VEDRAL, V. - PLENIO, M.B. - KNIGHT, P.L. - HILLERY, M. Broadcasting of entanglement via local copying. In *Physical Review A*, 1997, vol. 55, no. 5, p. 3327-3332. ISSN 1050-2947.

Ohlasy:

1. [1.1] BERA, Anindita - DAS, Tamoghna - SADHUKHAN, Debasis - ROY, Sudipto Singha - SEN (DE), Aditi - SEN, Ujjwal. Quantum discord and its allies: a review of recent progress. In REPORTS ON PROGRESS IN PHYSICS. ISSN 0034-4885, 2018, vol. 81, no. 2, 024001., Registrované v: WOS
2. [1.1] DAJKA, Jerzy - LUCZKA, Jerzy. Quantum cloning disturbed by thermal Davies environment. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2016, vol. 15, no. 6, pp. 2661-2673., Registrované v: WOS
3. [1.1] CHATTERJEE, Sourav - SAZIM, Sk - CHAKRABARTY, Indranil. Broadcasting of quantum correlations: Possibilities and impossibilities. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 93, no. 4, 042309., Registrované v: WOS
4. [1.1] JAIN, Aditya - CHAKRABARTY, Ndranil - CHATTERJEE, Sourav. Asymmetric broadcasting of quantum correlations. In PHYSICAL

REVIEW A. ISSN 2469-9926, 2019, vol. 99, no. 2, 022315., Registrované v: WOS

5. [1.1] KHEIROLLAHI, Azam - MOHAMMADI, Hamidreza - AKHTARSHENAS, Seyed Javad. Two-qubit quantum cloning machine and quantum correlation broadcasting. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 94, no. 5, 052107., Registrované v: WOS

6. [1.1] MUNDRA, Rounak - PATEL, Dhruvil - CHAKRABARTY, Indranil - GANGULY, Nirman - CHATTERJEE, Sourav. Broadcasting of quantum correlations in qubit-qudit systems. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 4, 042319., Registrované v: WOS

7. [1.1] PANDYA, Palash - MISRA, Avijit - CHAKRABARTY, Indranil. Complementarity between tripartite quantum correlation and bipartite Bell-inequality violation in three-qubit states. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 94, no. 5, 052126., Registrované v: WOS

8. [1.1] PENG, Li-Chao - WU, Dian - ZHONG, Han-Sen - LUO, Yi-Han - LI, Yuan - HU, Yi - JIANG, Xiao - CHEN, Ming-Cheng - LI, Li - LIU, Nai-Le - NEMOTO, Kae - MUNRO, William J. - SANDERS, Barry C. - LU, Chao-Yang - PAN, Jian-Wei. Cloning of Quantum Entanglement. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2020, vol. 125, no. 21, 210502., Registrované v: WOS

9. [1.1] SHUKLA, Manish Kumar - CHAKRABARTY, Indranil - CHATTERJEE, Sourav. Broadcasting of entanglement via orthogonal and non-orthogonal state-dependent cloners. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2020, vol. 19, no. 1, 15., Registrované v: WOS

ADCA136 BUŽEK, Vladimír - DROBNÝ, Gabriel - KIM, M.S. - ADAM, G. - KNIGHT, P.L. Cavity QED with cold trapped ions. In *Physical Review A*, 1997, vol. 56, no. 3, p. 2352-2360. ISSN 1050-2947.

Ohlasy:

1. [1.1] ASHIDA, Yuto - IMAMOGLU, Atac - FAIST, Jerome - JAKSCH, Dieter - CAVALLERI, Andrea - DEMLER, Eugene. Quantum Electrodynamical Control of Matter: Cavity-Enhanced Ferroelectric Phase Transition. In PHYSICAL REVIEW X. ISSN 2160-3308, 2020, vol. 10, no. 4, 041027., Registrované v: WOS

2. [1.1] CORREA, Clovis - VIDIELLA-BARRANCO, A. Hybrid entanglement between a trapped ion and a mirror. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2018, vol. 133, no. 5, 198., Registrované v: WOS

3. [1.1] GHASEMI, M. - TAVASSOLY, M. K. Distributing entangled state using quantum repeater protocol: Trapped atomic ions in optomechanical cavities. In PHYSICS LETTERS A. ISSN 0375-9601, 2020, vol. 384, no. 28, 126728., Registrované v: WOS

4. [1.1] MITCHISON, Mark T. Quantum thermal absorption machines: refrigerators, engines and clocks. In CONTEMPORARY PHYSICS. ISSN 0010-7514, 2019, vol. 60, no. 2, pp. 164-187., Registrované v: WOS

5. [1.1] MORTEZAPOUR, Ali - NAEIMI, Ghasem - LO FRANCO, Rosario. Coherence and entanglement dynamics of vibrating qubits. In OPTICS COMMUNICATIONS. ISSN 0030-4018, 2018, vol. 424, pp. 26-31., Registrované v: WOS

6. [1.1] YAZDANPANAHI, Navid - TAVASSOLY, Mohammad

Kazem. Dipole-dipole interaction between trapped two-level ions interacting with a quantized field in the Lamb-Dicke regime. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS. ISSN 0740-3224, 2016, vol. 33, no. 3, pp. 382-392., Registrované v: WOS

7. [1.1] YAZDANPANA, N. - TAVASSOLY, M. K. Dynamical properties of a trapped two-level ion interacting with a single-mode quantized field in the nonlinear regime. In JOURNAL OF MODERN OPTICS. ISSN 0950-0340, 2015, vol. 62, no. 6, pp. 470., Registrované v: WOS

8. [1.1] YAZDANPANA, N. - TAVASSOLY, M. K. Physical properties of a trapped two-level ion decaying by thermal and squeezed vacuum reservoirs. In JOURNAL OF MODERN OPTICS. ISSN 0950-0340, 2016, vol. 63, no. 2, pp. 111-125., Registrované v: WOS

9. [1.1] YAZDANPANA, N. - TAVASSOLY, M. K. Spectral properties of trapped two-level ions interacting with quantized fields. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 95, no. 6, 063815., Registrované v: WOS

10. [1.2] ANDERSEN, Christian Kraglund - BLAIS, Alexandre. Ultrastrong coupling dynamics with a transmon qubit. In New Journal of Physics. ISSN 13672630, 2017-02-01, vol. 19, no. 2, 023022., Registrované v: SCOPUS

ADCA137 BUŽEK, Vladimír - WILSONGORDON, A.D. - KNIGHT, P.L. - LAI, W.K. Coherent states in a finite-dimensional basis- their phase properties and relationship to coherent states of light. In *Physical Review A*, 1992, vol. 45, no. 11, p. 8079-8094. ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.45.8079>

Ohlasy:

1. [1.1] BATOULI, J. - EL BAZ, M. - MAAOUNI, A. Optical properties of the superposition of q-deformed coherent states. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2016, vol. 31, no. 34, 1650190., Registrované v: WOS

2. [1.1] LUIS, Alfredo. Polarization in Quantum Optics. In PROGRESS IN OPTICS, VOL 61. ISSN 0079-6638, 2016, vol. 61, no., pp. 283-331., Registrované v: WOS

ADCA138 BUŽEK, Vladimír - JEX, I. Collapse revival phenomenon in the Jaynes-Cummings model interacting with the multiphoton Holstein-Primakoff SU(2) coherent state. In *Journal of Modern Optics*, 1989, vol. 36, no. 11, p. 1427-1434. ISSN 0950-0340. Dostupné na: <https://doi.org/10.1080/09500348914551511>

Ohlasy:

1. [1.1] ABDEL-KHALEK, S. - ABO-DAHAB, S. M. - RAGAB, Mahmoud - RAWA, Muhyaddin - AHMAD, Hijaz. Engineering entanglement, geometric phase, and quantum Fisher information of a three-level system with energy dissipation. In MATHEMATICAL METHODS IN THE APPLIED SCIENCES. ISSN 0170-4214, 2020., Registrované v: WOS

ADCA139 BUŽEK, Vladimír - KIM, M.S. - KIM, M.G. Description of the influence of a reservoir via coarse-graining in phase-space. In *Journal of the Korean Physical Society*, 1995, vol. 28, no. 2, p. 123-127. ISSN 0374-4884.

Ohlasy:

1. [1.1] LEE, Seung-Woo - KIM, Jaewan - SON, Wonmin. Noise-adaptive test of quantum correlations with quasiprobability functions. In

ADCA140 BUŽEK, Vladimír - JEX, I. Dynamics of a 2-level atom in a Kerr-Like medium. In *Optics Communications*, 1990, vol. 78, no. 5-6, p. 425-435. ISSN 0030-4018.

Ohlasy:

1. [1.1] ABDEL-WAHAB, N. H. - THABET, Lamia E. On a moving four-level N-type atom interacting with two-mode cavity field in the presence of the cross-Kerr medium. In *MODERN PHYSICS LETTERS B*. ISSN 0217-9849, 2016, vol. 30, no. 5, 1650035., Registrované v: WOS
2. [1.1] ABD-RABBOU, M. Y. - KHALIL, E. M. - AHMED, M. M. A. - OBADA, A.S. F. External Classical Field and Damping Effects on a Moving two Level atom in a Cavity Field Interaction with Kerr-like Medium. In *INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS*. ISSN 0020-7748, 2019, vol. 58, no. 12, pp. 4012-4024., Registrované v: WOS
3. [1.1] DE LOS SANTOS-SANCHEZ, O. - GONZALEZ-GUTIERREZ, C. - RECAMIER, J. Nonlinear Jaynes-Cummings model for two interacting two-level atoms. In *JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS*. ISSN 0953-4075, 2016, vol. 49, no. 16, 165503., Registrované v: WOS
4. [1.1] DE LOS SANTOS-SANCHEZ, O. Qubit-nonlinear-oscillator systems: from the moderate-coupling limit to the ultrastrong-coupling regime. In *JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL*. ISSN 1751-8113, 2018, vol. 51, no. 30, 305303., Registrované v: WOS
5. [1.1] MATHKOOR, Faisal H. A. - RAYMOND OOI, C. H. A two-photon laser in a Kerr-like medium with cross-Kerr and intensity-dependent coupling. In *LASER PHYSICS*. ISSN 1054-660X, 2020, vol. 30, no. 11, 115205., Registrované v: WOS
6. [1.1] MATHKOOR, Faisal H. A. - KAM, C. H. - OOI, C. H. Raymond. Nonclassicality of the two-photo laser with Kerr nonlinearity. In *JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS*. ISSN 0740-3224, 2020, vol. 37, no. 3, pp. 820-833., Registrované v: WOS
7. [1.1] MOHAMED, A-B A. - KHALIL, E. M. Effect of Stark shift on nonlocal correlation of two atoms in a cavity containing a parametric amplifier and a Kerr like medium. In *EUROPEAN PHYSICAL JOURNAL PLUS*. ISSN 2190-5444, 2020, vol. 135, no. 10, 793., Registrované v: WOS
8. [1.1] RASTEGARZADEH, M. - TAVASSOLY, M. K. Interaction of a Lambda-type three-level atom with a single-mode field without rotating wave approximation: perturbation theory approach. In *PHYSICA SCRIPTA*. ISSN 0031-8949, 2015, vol. 90, no. 2, 025103., Registrované v: WOS
9. [1.1] SINGH, Sudha - GILHARE, Karuna. Influence of Kerr-like medium on the dynamics of a two-mode Raman coupled model. In *JOURNAL OF MODERN OPTICS*. ISSN 0950-0340, 2016, vol. 63, no. 15, pp. 1506-1520., Registrované v: WOS
10. [1.1] SINGH, Sudha - GILHARE, Karuna. Dynamical Properties of Intensity Dependent Two-Mode Raman Coupled Model in a Kerr Medium. In *INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS*. ISSN 0020-7748, 2019, vol. 58, no. 6, pp. 1721-1744., Registrované v: WOS

11. [1.1] SINGH, Sudha - OOI, C. H. Raymond. Dynamics of Kerr-like medium with two-mode intensity-dependent cavity fields. In *LASER PHYSICS*. ISSN 1054-660X, 2019, vol. 29, no. 1, 015202., Registrované v: WOS
12. [1.1] TAVASSOLY, M. K. - RASTEGARZADEH, M. Periodic behavior of collapse-revival phenomenon in the full nonlinear interaction between a three-level atom and a single-mode field. In *ANNALS OF PHYSICS*. ISSN 0003-4916, 2016, vol. 373, no., pp. 544-556., Registrované v: WOS
13. [1.1] ZHANG, Xin - XU, Chang - REN, Zhongzhou. A transparent mechanism of Q function splitting in a Jaynes-Cummings model with intensity-dependent level shift. In *JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL*. ISSN 1751-8113, 2015, vol. 48, no. 40, 405302., Registrované v: WOS

ADCA141 BUŽEK, Vladimír - KONÔPKA, M. Dynamics of open systems governed by the Milburn equation. In *Physical Review A*, 1998, vol. 58, no. 3, p. 1735-1739. ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.58.1735>

Ohlasy:

1. [1.1] ANWAR, S. Jamal - RAMZAN, M. - KHAN, M. Khalid. Dynamics of entanglement and quantum Fisher information for N-level atomic system under intrinsic decoherence. In *QUANTUM INFORMATION PROCESSING*. ISSN 1570-0755, 2017, vol. 16, no. 6, UNSP 142., Registrované v: WOS
2. [1.1] ANWAR, S. Jamal - RAMZAN, M. - KHAN, M. Khalid. Thermal Field and Intrinsic Decoherence Effects on the Dynamics of N-level Moving Atomic System. In *INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS*. ISSN 0020-7748, 2019, vol. 58, no. 8, pp. 2465-2480., Registrované v: WOS
3. [1.1] ANWAR, S. Jamal - RAMZAN, M. - USMAN, M. - KHAN, M. Khalid. Thermal and intrinsic decoherence effects on the dynamics of two three-level moving atomic system. In *PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS*. ISSN 0378-4371, 2020, vol. 549, 124297., Registrované v: WOS
4. [1.1] BRUCE, S. A. - DIAZ-VALDES, J. F. Fundamental length in classical electrodynamics. In *EPL*. ISSN 0295-5075, 2019, vol. 127, no. 2, 20003., Registrované v: WOS
5. [1.1] JAFARPOUR, Mojtaba - NADERI, Negar. Qutrit teleportation under intrinsic decoherence. In *INTERNATIONAL JOURNAL OF QUANTUM INFORMATION*. ISSN 0219-7499, 2016, vol. 14, no. 5, 1650028., Registrované v: WOS

ADCA142 BUŽEK, Vladimír. Dynamics of an excited 2-level atom in the presence of N-1 unexcited atoms in the free space. In *Physical Review A*, 1989, vol. 39, no. 4, p. 2232-2235. ISSN 1050-2947.

Ohlasy:

1. [1.1] QIAO, Lei - SUN, Chang-Pu. Atom-photon bound states and non-Markovian cooperative dynamics in coupled-resonator waveguides. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2019, vol. 100, no. 6, 063806., Registrované v: WOS
2. [1.1] QIAO, Lei - SUN, Chang-Pu. Universal trapping law induced by an atomic cloud in single-photon cooperative dynamics. In *PHYSICAL REVIEW*

A. ISSN 1050-2947, 2020, vol. 101, no. 6, 063831., Registrované v: WOS
 3. [1.1] ZHANG, Anwei - CHEN, Xianfeng - YUAN, Luqi. Hidden equivalence in the collective emission from a dilute atomic cloud. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 99, no. 2, 023842., Registrované v: WOS

ADCA143 BUŽEK, Vladimír - JEX, I. Emission-spectra of a 2-level atom in a kerr-like medium. In *Journal of Modern Optics*, 1991, vol. 38, no. 5, p. 987-996. ISSN 0950-0340.

Ohlasy:

1. [1.1] ALTOWYAN, Abeer S. - ALDAGHFAG, Shatha A. - BERRADA, K. - ABDEL-KHALEK, S. Emission Spectrum and Fidelity of an Atomic System Coupled to Fields with Level Energy Differences. In JOURNAL OF RUSSIAN LASER RESEARCH. ISSN 1071-2836, 2020, vol. 41, no. 4, pp. 327-333., Registrované v: WOS
2. [1.1] ALTOWYAN, Abeer S. - ALDAGHFAG, Shatha A. - BERRADA, K. - ABDEL-KHALEK, S. Emission Spectrum and Nonclassical Properties of an Atom-Field System Under an Intensity-Dependent Field. In JOURNAL OF RUSSIAN LASER RESEARCH. ISSN 1071-2836, 2020, vol. 41, no. 1, pp. 23-29., Registrované v: WOS
3. [1.1] EIED, A. A. Emission spectrum for a multi-photon Xi-type three-level atom driven by a binomial field with nonlinearities. In CANADIAN JOURNAL OF PHYSICS. ISSN 0008-4204, 2015, vol. 93, no. 11, pp. 1375., Registrované v: WOS
4. [1.1] MANOSH, T. M. - ASHEFAS, Muhammed - THAYYULLATHIL, Ramesh Babu. Effects of Kerr medium in coupled cavities on quantum state transfer. In JOURNAL OF NONLINEAR OPTICAL PHYSICS & MATERIALS. ISSN 0218-8635, 2018, vol. 27, no. 3, 1850035., Registrované v: WOS

ADCA144 BUŽEK, Vladimír - QUANG, T. Generalized coherent state for bosonic realization of su(2) lie-algebra. In *Journal of the Optical Society of America B*, 1989, vol. 6, no. 12, p. 2447-2449. ISSN 0740-3224. Dostupné na: <https://doi.org/10.1364/JOSAB.6.002447>

Ohlasy:

1. [1.1] AFRA, M. - FAKHRI, H. - SAYYAH-FARD, M. Fermionic oscillator realization of the Lie algebras $sp(2k)$ with $k \geq 2$. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2018, vol. 133, no. 7, 260., Registrované v: WOS
2. [1.1] AGUILAR-LORETO, O. - ORDAZ-MENDOZA, B. E. Dynamics of a Generalized Two-mode Husimi Function in a Kerr Medium. In BRAZILIAN JOURNAL OF PHYSICS. ISSN 0103-9733, 2016, vol. 46, no. 1, pp. 10-19., Registrované v: WOS
3. [1.1] DANESHMAND, R. - TAVASSOLY, M. K. The effects of damping on the approximate teleportation and nonclassical properties in the atom-field interaction. In EUROPEAN PHYSICAL JOURNAL D. ISSN 1434-6060, 2016, vol. 70, no. 5, 101., Registrované v: WOS
4. [1.1] DANESHMAND, R. - TAVASSOLY, M. K. Damping effect in the interaction of a Xi-type three-level atom with a single-mode field: Caldirola-Kanai approach. In LASER PHYSICS. ISSN 1054-660X, 2016, vol.

26, no. 6, 065204., Registrované v: WOS

5. [1.1] HACH, Edwin E. - ALSING, Paul M. - GERRY, Christopher C. Violations of a Bell inequality for entangled SU(1,1) coherent states based on dichotomic observables. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 93, no. 4, 042104., Registrované v: WOS

6. [1.1] CHEN, Y. F. - TUNG, J. C. - TUAN, P. H. - YU, Y. T. - LIANG, H. C. - HUANG, K. F. Characterizing classical periodic orbits from quantum Green's functions in two-dimensional integrable systems: Harmonic oscillators and quantum billiards. In PHYSICAL REVIEW E. ISSN 2470-0045, 2017, vol. 95, no. 1, 012217., Registrované v: WOS

7. [1.1] PAKNIAT, R. - SOLTANI, M. - TAVASSOLY, M. K. Considerable improvement of entanglement swapping by considering multiphoton transitions via cavity quantum electrodynamics method. In INTERNATIONAL JOURNAL OF MODERN PHYSICS B. ISSN 0217-9792, 2018, vol. 32, no. 8, 1850093., Registrované v: WOS

8. [1.1] SHEN, Yijie - MENG, Yuan - FU, Xing - GONG, Mali. Hybrid topological evolution of multi-singularity vortex beams: generalized nature for helical-Ince-Gaussian and Hermite-Laguerre-Gaussian modes. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA A-OPTICS IMAGE SCIENCE AND VISION. ISSN 1084-7529, 2019, vol. 36, no. 4, pp. 578-587., Registrované v: WOS

9. [1.1] SHEN, Yijie - WANG, Xuejiao - XIE, Zhenwei - MIN, Changjun - FU, Xing - LIU, Qiang - GONG, Mali - YUAN, Xiaocong. Optical vortices 30 years on: OAM manipulation from topological charge to multiple singularities. In LIGHT-SCIENCE & APPLICATIONS. ISSN 2047-7538, 2019, vol. 8, 90., Registrované v: WOS

10. [1.1] SHEN, Yijie - WANG, Zhaoyang - FU, Xing - NAIDOO, Darryl - FORBES, Andrew. SU(2) Poincare sphere: A generalized representation for multidimensional structured light. In PHYSICAL REVIEW A. ISSN 2469-9926, 2020, vol. 102, no. 3, 031501., Registrované v: WOS

11. [1.1] SHEN, Yijie - YANG, Xilin - FU, Xing - GONG, Mali. Periodic-trajectory-controlled, coherent-state-phase-switched, and wavelength-tunable SU(2) geometric modes in a frequency-degenerate resonator. In APPLIED OPTICS. ISSN 1559-128X, 2018, vol. 57, no. 32, pp. 9543-9549., Registrované v: WOS

12. [1.1] SHEN, Yijie - YANG, Xilin - NAIDOO, Darryl - FU, Xing - FORBES, Andrew. Structured ray-wave vector vortex beams in multiple degrees of freedom from a laser. In OPTICA. ISSN 2334-2536, 2020, vol. 7, no. 7, pp. 820-831., Registrované v: WOS

13. [1.1] SIVAKUMAR, S. Superposed coherent states improve fidelity of NOON states generated in post-selection. In CANADIAN JOURNAL OF PHYSICS. ISSN 0008-4204, 2015, vol. 93, no. 4, pp. 373., Registrované v: WOS

14. [1.1] TUNG, J. C. - HSIEH, Y. H. - OMATSU, T. - HUANG, K. F. - CHEN, Y. F. Generating laser transverse modes analogous to quantum Green's functions of two-dimensional harmonic oscillators. In PHOTONICS RESEARCH. ISSN 2327-9125, 2017, vol. 5, no. 6, pp. 733-739., Registrované v: WOS

15. [1.1] WAN, Zhensong - WANG, Zhaoyang - YANG, Xilin - SHEN, Yijie - FU, Xing. Digitally tailoring arbitrary structured light of generalized

ray-wave duality. In OPTICS EXPRESS. ISSN 1094-4087, 2020, vol. 28, no. 21, pp. 31043-31056., Registrované v: WOS

ADCA145 BUŽEK, Vladimír - ORSZAG, M. - ROŠKO, M. Instability and entanglement of the ground state of the Dicke model. In *Physical Review Letters*, 2005, vol. 94, no. 16, 163601. (2004: 7.218 - IF, Current Contents - CCC). (2005 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.94.163601>

Ohlasy:

1. [1.1] ABDEL-RADY, A. S. - HASSAN, Samia. S. A. - OSMAN, Abdel-Nasser A. - SALAH, Ahmed. Quantum phase transition and Berry phase of the Dicke model in the presence of the Stark-shift. In INTERNATIONAL JOURNAL OF MODERN PHYSICS B. ISSN 0217-9792, 2017, vol. 31, no. 12, 1750091., Registrované v: WOS
2. [1.1] ANDOLINA, G. M. - PELLEGRINO, F. M. D. - GIOVANNETTI, V - MACDONALD, A. H. - POLINI, M. Cavity quantum electrodynamics of strongly correlated electron systems: A no-go theorem for photon condensation. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 100, no. 12, 121109., Registrované v: WOS
3. [1.1] ANDOLINA, G. M. - PELLEGRINO, F. M. D. - GIOVANNETTI, V - MACDONALD, A. H. - POLINI, M. Theory of photon condensation in a spatially varying electromagnetic field. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 102, no. 12, 125137., Registrované v: WOS
4. [1.1] BAO, Lina - PAN, Feng - LI, Xiaotong - LIANG, Xiao - DRAAYER, J. P. The progressive solutions for the Dicke Hamiltonian. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2015, vol. 130, no. 7, 126., Registrované v: WOS
5. [1.1] CAROLLO, Angelo - VALENTI, Davide - SPAGNOLO, Bernardo. Geometry of quantum phase transitions. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, 2020, vol. 838, pp. 1-72., Registrované v: WOS
6. [1.1] CONG, Kankan - ZHANG, Qi - WANG, Yongrui - NOE, G. Timothy - BELYANIN, Alexey - KONO, Junichiro. Dicke superradiance in solids [Invited]. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS. ISSN 0740-3224, 2016, vol. 33, no. 7., Registrované v: WOS
7. [1.1] FENG, M. - ZHONG, Y. P. - LIU, T. - YAN, L. L. - YANG, W. L. - TWAMLEY, J. - WANG, H. Exploring the quantum critical behaviour in a driven Tavis-Cummings circuit. In NATURE COMMUNICATIONS. ISSN 2041-1723, 2015, vol. 6, 7111., Registrované v: WOS
8. [1.1] HE, Shu - DUAN, Liwei - CHEN, Qing-Hu. Exact solvability, non-integrability, and genuine multipartite entanglement dynamics of the Dicke model. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2015, vol. 17, 043033., Registrované v: WOS
9. [1.1] KOCHAROVSKY, V. I. V. - ZHELEZNYAKOV, V. V. - KOCHAROVSKAYA, E. R. - KOCHAROVSKY, V. V. Superradiance: the principles of generation and implementation in lasers. In PHYSICS-USPEKHI. ISSN 1063-7869, 2017, vol. 60, no. 4, pp. 345-384., Registrované v: WOS
10. [1.1] LORENZO, Salvatore - MARINO, Jamir - PLASTINA,

- Francesco - PALMA, G. Massimo - APOLLARO, Tony J. G. Quantum Critical Scaling under Periodic Driving. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2017, vol. 7, 5672., Registrované v: WOS
11. [1.1] ROBLES, R. A. Robles - CHILINGARYAN, S. A. - RODRIGUEZ-LARA, B. M. - LEE, Ray-Kuang. Ground state in the finite Dicke model for interacting qubits. In PHYSICAL REVIEW A. ISSN 2469-9926, 2015, vol. 91, no. 3, 033819., Registrované v: WOS
12. [1.1] ROBLES, R. A. Robles - LEE, Ray-Kuang. Quantum phase transition of a finite number of atoms in electromagnetically induced transparency media. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS. ISSN 0740-3224, 2020, vol. 37, no. 5, pp. 1388-1393., Registrované v: WOS
13. [1.1] WANG, Yan-Zhi - HE, Shu - DUAN, Liwei - CHEN, Qing-Hu. Quantum phase transitions in the spin-boson model without the counterrotating terms. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 100, no. 11, 115106., Registrované v: WOS
14. [1.1] WU, Ren-Cun - TAN, Lei - ZHANG, Wen-Xuan - LIU, Wu-Ming. Quantum phase transitions of light in a dissipative Dicke-Bose-Hubbard model. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 96, no. 3, 033633., Registrované v: WOS
15. [1.1] ZHAO, Xiu-Qin - LIU, Ni - LIANG, Jiu-Qing. First-Order Quantum Phase Transition for Dicke Model Induced by Atom-Atom Interaction. In COMMUNICATIONS IN THEORETICAL PHYSICS. ISSN 0253-6102, 2017, vol. 67, no. 5, pp. 511-519., Registrované v: WOS

ADCA146 BUŽEK, Vladimír - JEX, I. - BRISUDOVA, M. Jaynes-Cummings model with displaced number states. In *International Journal of Modern Physics B*, 1991, vol. 5, no. 5, p. 797-814. ISSN 0217-9792.

Ohlasy:

1. [1.1] MOHAMED, A-B A. - HESSIAN, H. A. - ELEUCH, H. Dynamics of a dissipative two-qubit system interacting non-linearly with a generalized field: Entanglement and mixedness. In OPTIK. ISSN 0030-4026, 2020, vol. 202, 163500., Registrované v: WOS
2. [1.1] RUSTAEE, N. - TAVASSOLY, M. K. - DANESHMAND, R. Damping, field-field correlation and dipole-dipole interaction effects on the entanglement and atomic inversion dynamics. In INTERNATIONAL JOURNAL OF MODERN PHYSICS B. ISSN 0217-9792, 2017, vol. 31, no. 3, 1750006., Registrované v: WOS
3. [1.1] TAVASSOLY, M. K. - DANESHMAND, R. - RUSTAEE, N. Entanglement Dynamics of Linear and Nonlinear Interaction of Two Two-Level Atoms with a Quantized Phase-Damped Field in the Dispersive Regime. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2018, vol. 57, no. 6, pp. 1645-1658., Registrované v: WOS

ADCA147 BUŽEK, Vladimír. Jaynes-Cummings model with intensity-dependent coupling interacting with Holstein-Primakoff SU(1,1) coherent state. In *Physical Review A*, 1989, vol. 39, no. 6, p. 3196-3199. ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.39.3196>

Ohlasy:

1. [1.1] ABBASI, Omid - JAFARI, Akbar. Dynamics of entropy and

quantum statistical properties of the field in the interaction of a single two-level atom with a superposition of nonlinear coherent states in the framework of f-deformed Jaynes-Cummings model. In OPTICAL AND QUANTUM ELECTRONICS. ISSN 0306-8919, 2016, vol. 48, no. 9, 434., Registrované v: WOS

2. [1.1] BAGHSHAHI, Hamid Reza - TAVASSOLY, Mohammad Kazem - FAGHIHI, Mohammad Javad. Entanglement Criteria of Two Two-Level Atoms Interacting with Two Coupled Modes. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2015, vol. 54, no. 8, pp. 2839., Registrované v: WOS

3. [1.1] BAGHSHAHI, H. R. - TAVASSOLY, M. K. Dynamics of different entanglement measures of two three-level atoms interacting nonlinearly with a single-mode field. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2015, vol. 130, no. 3, 37., Registrované v: WOS

4. [1.1] DANESHMAND, R. N. - TAVASSOLY, M. K. Generation of SU(1,1) and SU(2) entangled states in a quantized cavity field by strong-driving-assisted classical field approach. In LASER PHYSICS. ISSN 1054-660X, 2015, vol. 25, no. 5, 055203., Registrované v: WOS

5. [1.1] EL-SHAHAT, Tarek M. - ISMAIL, Mohamad Kh. - AL NAIM, Abdullah F. Damping in the Interaction of a Field and Two Three-Level Atoms Through Quantized Caldirola-Kanai Hamiltonian. In JOURNAL OF RUSSIAN LASER RESEARCH. ISSN 1071-2836, 2018, vol. 39, no. 3, pp. 231-241., Registrované v: WOS

6. [1.1] ENAKI, N. A. - KOROLI, V. I. - BAZGAN, S. - NISTREANU, A. - OOI, C. H. R. Higher-order squeezing oscillations in Jaynes-Cummings model of a pair of cold atoms. In INDIAN JOURNAL OF PHYSICS. ISSN 0973-1458, 2015, vol. 89, no. 9, pp. 883., Registrované v: WOS

7. [1.1] ESMAIL, S. - SALAH, Ahmed - HASSAN, Samia S. A. Statistical Aspects and Dynamical Entanglement for a Two-Level Atom Moving on Along Cavity Length of x-Direction: Atomic Position Distribution. In BRAZILIAN JOURNAL OF PHYSICS. ISSN 0103-9733, 2019, vol. 49, no. 3, pp. 438-448., Registrované v: WOS

8. [1.1] FARAJI, Elham - TAVASSOLY, Mohammad Kazem - BAGHSHAHI, Hamid Reza. Entanglement Evolution Between Various Subsystems of Two Three-level Atoms Interacting with a Two-mode Quantized Field in the Presence of Converter Terms. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2016, vol. 55, no. 5, pp. 2573-2587., Registrované v: WOS

9. [1.1] FARAJI, E. - TAVASSOLY, M. K. Dynamics of physical properties of a single-mode quantized field nonlinearly and non-resonantly interacting with two V-type three-level atoms passing consecutively through a cavity. In OPTICS COMMUNICATIONS. ISSN 0030-4018, 2015, vol. 354, pp. 333., Registrované v: WOS

10. [1.1] GHORBANI, Mahnaz - SAFARI, Hassan - FAGHIHI, Mohammad Javad. Controlling the entanglement of a Lambda-type atom in a bimodal cavity via atomic motion. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS. ISSN 0740-3224, 2016, vol. 33, no. 6, pp. 1022-1029., Registrované v: WOS

11. [1.1] KHALIL, E. M. - ABDEL-KHALEK, S. - AL-AWFI, Saud. ENTANGLEMENT OF AN $su(1,1)$ QUANTUM SYSTEM INTERACTING

- WITH A SINGLE TWO-LEVEL ATOM IN THE PRESENCE OF DAMPING TERMS. In JOURNAL OF RUSSIAN LASER RESEARCH. ISSN 1071-2836, 2018, vol. 39, no. 5, pp. 505-513., Registrované v: WOS
12. [1.1] KOROLI, V. I. - PALISTRANT, S. - NISTREANU, A. Higher-order squeezing oscillations of the single-mode cavity field interacting with a three-level radiator. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION, 2017, vol. 15, no. 8, 1740012., Registrované v: WOS
13. [1.1] LAHA, Pradip - LAKSHMIBALA, S. - BALAKRISHNAN, V. Nonclassical effects in optomechanics: dynamics and collapse of entanglement. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS. ISSN 0740-3224, 2019, vol. 36, no. 3, pp. 575-584., Registrované v: WOS
14. [1.1] LAHA, Pradip - SUDARSAN, B. - LAKSHMIBALA, S. - BALAKRISHNAN, V. Entanglement Dynamics in a Model Tripartite Quantum System. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2016, vol. 55, no. 9, pp. 4044-4059., Registrované v: WOS
15. [1.1] MEDINA-DOZAL, Luis - RAMOS-PRIETO, Iran - RECAMIER, Jose. Approximate Evolution for A Hybrid System-An Optomechanical Jaynes-Cummings Model. In ENTROPY, 2020, vol. 22, no. 12, 1373., Registrované v: WOS
16. [1.1] MOJAVERI, B. - DEHGHANI, A. - FASIHI, M. A. - MOHAMMADPOUR, T. Thermal Entanglement Between Two Two-Level Atoms in a Two-Photon Jaynes-Cummings Model with an Added Kerr Medium. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2018, vol. 57, no. 11, pp. 3396-3409., Registrované v: WOS
17. [1.1] MOJAVERI, B. - DEHGHANI, A. - AHMADI, Z. - AMIRI FASEGHANDIS, S. Interaction of a para-Bose state with two two-level atoms: control of dissipation by a local classical field. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2020, vol. 135, no. 2, 227., Registrované v: WOS
18. [1.1] PENNA, V. - RAFFA, F. A. Off-resonance regimes in nonlinear quantum Rabi models. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 93, no. 4, 043814., Registrované v: WOS
19. [1.1] PENNA, V. - RAFFA, F. A. - FRANZOSI, R. Algebraic properties and spectral collapse in nonlinear quantum Rabi models. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2018, vol. 51, no. 4, 045301., Registrované v: WOS
20. [1.1] RAFFA, Francesco A. - RASETTI, Mario. Full spectrum of nonlinear Jaynes-Cummings and anti-Jaynes-Cummings models. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION, 2017, vol. 15, no. 8, 1740008., Registrované v: WOS
21. [1.1] RASTEGARZADEH, M. - TAVASSOLY, M. K. Interaction of a Lambda-type three-level atom with a single-mode field without rotating wave approximation: perturbation theory approach. In PHYSICA SCRIPTA. ISSN 0031-8949, 2015, vol. 90, no. 2, 025103., Registrované v: WOS
22. [1.1] SALAH, Reyad - FAROUK, Ahmed M. - FAROUK, Ahmed - ABDEL-ATY, Mahmoud - ELEUCH, Hichem - OBADA, Abdel-Shafy F. Entanglement Control of Two-Level Atoms in Dissipative Cavities. In APPLIED SCIENCES-BASEL, 2020, vol. 10, no. 4, 1510., Registrované v: WOS
23. [1.1] WANG JU-XIA. Swapping Transmit of Quantum Entanglement

Information in the Process of Unresonant Interaction by Intensity-dependent Coupling. In INTERNATIONAL CONFERENCE ON PHOTONICS AND OPTICAL ENGINEERING (ICPOE 2014). ISSN 0277-786X, 2015, vol. 9449, 94490D., Registrované v: WOS

24. [1.1] YAZDANPANA, N. - TAVASSOLY, M. K. Dynamical properties of a trapped two-level ion interacting with a single-mode quantized field in the nonlinear regime. In JOURNAL OF MODERN OPTICS. ISSN 0950-0340, 2015, vol. 62, no. 6, pp. 470., Registrované v: WOS

ADCA148 BUŽEK, Vladimír. Jaynes-Cummings model with intensity-dependent coupling interacting with squeezed vacuum. In *Physics Letters A. General Atomic and Solid State Physics*, 1989, vol. 139, no. 5-6, p. 231-235. ISSN 0375-9601. Dostupné na: [https://doi.org/10.1016/0375-9601\(89\)90145-X](https://doi.org/10.1016/0375-9601(89)90145-X)

Ohlasy:

1. [1.1] LAHA, Pradip - LAKSHMIBALA, S. - BALAKRISHNAN, V. Nonclassical effects in optomechanics: dynamics and collapse of entanglement. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS. ISSN 0740-3224, 2019, vol. 36, no. 3, pp. 575-584., Registrované v: WOS

2. [1.1] LAHA, P. et al. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2016, vol. 55, pp. 4044-4059., Registrované v: WOS

ADCA149 BUŽEK, Vladimír - JEX, I. - QUANG, T.K. K-photon coherent states. In *Journal of Modern Optics*, 1990, vol. 37, no. 2, p. 159-163. ISSN 0950-0340. Dostupné na: <https://doi.org/10.1080/09500349014550231>

Ohlasy:

1. [1.1] ABBASI, O. - JAFARI, A. Four-photon nonlinear coherent states. In JOURNAL OF MODERN OPTICS. ISSN 0950-0340, 2017, vol. 64, no. 1, pp. 32-45., Registrované v: WOS

2. [1.1] CASTILLO-CELEITA, Miguel - DIAZ-BAUTISTA, Erik - FERNANDEZ C, David J. Polynomial Heisenberg algebras, multiphoton coherent states and geometric phases. In PHYSICA SCRIPTA. ISSN 0031-8949, 2019, vol. 94, no. 4, 045203., Registrované v: WOS

3. [1.1] DIAZ-BAUTISTA, Erik - FERNANDEZ, David J. Graphene coherent states. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2017, vol. 132, no. 11, 499., Registrované v: WOS

4. [1.1] DODONOV, V. V. - VALVERDE, C. - SOUZA, L. S. - BASEIA, B. Decoherence of odd compass states in the phase-sensitive amplifying/dissipating environment. In ANNALS OF PHYSICS. ISSN 0003-4916, 2016, vol. 371, no., pp. 296-312., Registrované v: WOS

ADCA150 BUŽEK, Vladimír. Light squeezing in the Jaynes-Cummings model with intensity-dependent coupling. In *Journal of Modern Optics*, 1989, vol. 36, no. 9, p. 1151-1162. ISSN 0950-0340. Dostupné na: <https://doi.org/10.1080/09500348914551181>

Ohlasy:

1. [1.1] BAGHSHAHI, H. R. - TAVASSOLY, M. K. - BEHJAT, A. Entanglement of a damped non-degenerate lozenge-type atom interacting nonlinearly with a single-mode cavity. In EUROPEAN PHYSICAL JOURNAL

- PLUS. ISSN 2190-5444, 2016, vol. 131, no. 4., Registrované v: WOS
2. [1.1] BASHKIROV E.K. et al. Squeezed states in the two-atom model. In PROCEEDINGS OF SPIE, 2015, vol. 9448, 944825., Registrované v: WOS
 3. [1.1] GHORBANI, Mahnaz - FAGHIHI, Mohammad Javad - SAFARI, Hassan. Wigner function and entanglement dynamics of a two-atom two-mode nonlinear Jaynes-Cummings model. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS. ISSN 0740-3224, 2017, vol. 34, no. 9, pp. 1884-1893., Registrované v: WOS
 4. [1.1] LU, Dao-Ming. Influences of Detuning on Geometrical Quantum Discord Dynamics in Double Jaynes-Cummings System. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2019, vol. 58, no. 5, pp. 1395-1403., Registrované v: WOS
 5. [1.1] SHUKLA, Pramila - PRAKASH, Ranjana. Radiation Squeezing for M Two-Level Atoms Interacting with a Single Mode Coherent Radiation. In CHINESE JOURNAL OF PHYSICS. ISSN 0577-9073, 2015, vol. 53, no. 5, 100901., Registrované v: WOS
 6. [1.1] SINGH, Sudha - GILHARE, Karuna. Dynamical Properties of Intensity Dependent Two-Mode Raman Coupled Model in a Kerr Medium. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2019, vol. 58, no. 6, pp. 1721-1744., Registrované v: WOS
 7. [1.1] SINGH, S. - GILHARE, K. Dynamics for a two-atom two-mode intensity-dependent Raman coupled model. In JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS. ISSN 1063-7761, 2016, vol. 122, no. 6, pp. 984-994., Registrované v: WOS
 8. [1.1] XIE, Qin - HUANG, Jiang. Dynamics of Entanglement of Two Atoms in Two Dissipative Cavities in the Double Jaynes-Cummings Models. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2019, vol. 58, no. 11, pp. 3815-3821., Registrované v: WOS

ADCA151 BUŽEK, Vladimír - HLADKÝ, B. Macroscopic superposition states of light via 2-photon resonant interaction of atoms with cavity field. In *Journal of Modern Optics*, 1993, vol. 40, no. 7, p. 1309-1324. ISSN 0950-0340. Dostupné na: <https://doi.org/10.1080/09500349314551371>

Ohlasy:

1. [1.1] ABBASI, O. - JAFARI, A. Four-photon nonlinear coherent states. In JOURNAL OF MODERN OPTICS. ISSN 0950-0340, 2017, vol. 64, no. 1, pp. 32-45., Registrované v: WOS
2. [1.1] DEHGHANI, A. - MOJAVERI, B. - BAHRBEIG, R. Jafarzadeh. Damping in the Interaction of a Two-Photon Field and a Two-Level Atom Through Quantized Caldirola-Kanai Hamiltonian. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2019, vol. 58, no. 3, pp. 865-877., Registrované v: WOS
3. [1.1] ISMAIL, M. Kh - EL-SHAHAT, T. M. The damped interaction between a single-mode cavity field with Caldirola-Kanai Hamiltonian and a three-level atom. In CHINESE JOURNAL OF PHYSICS. ISSN 0577-9073, 2019, vol. 59, pp. 273-280., Registrované v: WOS
4. [1.1] SUFIANI, R. - DARKHOSH, A. Atomic and photonic entanglement generation. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2015, vol. 54, p. 2299-2311., Registrované v: WOS

5. [1.1] WANG, Jian-ming - FANG, Hai-hui - XU, Xue-xiang.
Two-photon Jaynes-Cummings model interacting with the squeezed vacuum state solved by dressed-state method. In OPTIK. ISSN 0030-4026, 2018, vol. 169, pp. 180-189., Registrované v: WOS

ADCA152 BUŽEK, Vladimír - KIM, M.G. Numerical simulation of fundamental processes in 1-D cavity QED: Position-dependence of spontaneous decay of two-level atoms. In *Journal of the Korean Physical Society*, 1997, vol. 30, no. 2, p. 413-422. ISSN 0374-4884.

Ohlasy:

1. [1.1] REICHEGGER, Andreas - EVERS, Joerg. Temporal dynamics of stimulated emission with applications in nuclear quantum optics. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 91, no. 5, 053810., Registrované v: WOS

ADCA153 BUŽEK, Vladimír - DROBNÝ, Gabriel - KIM, E.G. - HAVUKAINEN, M. - KNIGHT, P.L. Numerical simulations of atomic decay in cavities and material media. In *Physical Review A*, 1999, vol. 60, no. 1, p. 582-592. ISSN 1050-2947.

Ohlasy:

1. [1.1] FLICK, Johannes - RUGGENTHALER, Michael - APPEL, Heiko - et al. Atoms and molecules in cavities, from weak to strong coupling in quantum-electrodynamics (QED) chemistry. In PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA. ISSN 0027-8424, 2017, vol. 114, no. 12, pp. 3026-3034., Registrované v: WOS

2. [1.1] FLICK, Johannes - WELAKUH, Davis M. - RUGGENTHALER, Michael - APPEL, Heiko - RUBIO, Angel. Light-Matter Response in Nonrelativistic Quantum Electrodynamics. In ACS PHOTONICS. ISSN 2330-4022, 2019, vol. 6, no. 11, pp. 2757-2778., Registrované v: WOS

3. [1.1] HOFFMANN, Norah M. - SCHAEFER, Christian - SAEKKINEN, Niko - RUBIO, Angel - APPEL, Heiko - KELLY, Aaron. Benchmarking semiclassical and perturbative methods for real-time simulations of cavity-bound emission and interference. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2019, vol. 151, no. 24., Registrované v: WOS

4. [1.1] HOFFMANN, Norah M. - SCHAEFER, Christian - RUBIO, Angel - KELLY, Aaron - APPEL, Heiko. Capturing vacuum fluctuations and photon correlations in cavity quantum electrodynamics with multitrajectory Ehrenfest dynamics. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 99, no. 6, 063819., Registrované v: WOS

5. [1.1] HONG, Suc-Kyoung - NAM, Seog Woo - YANG, Hyung Jin. Cooperative spontaneous emission of nano-emitters with inter-emitter coupling in a leaky microcavity. In JOURNAL OF OPTICS. ISSN 2040-8978, 2015, vol. 17, no. 10, 105401., Registrované v: WOS

6. [1.1] LI, Tao E. - CHEN, Hsing-Ta - NITZAN, Abraham - SUBOTNIK, Joseph E. Quasiclassical modeling of cavity quantum electrodynamics. In PHYSICAL REVIEW A. ISSN 2469-9926, 2020, vol. 101, no. 3, 033831., Registrované v: WOS

7. [1.1] OSTROWSKI, Marcin. Simulation of the excited state decay in the quantum register. In PRZEGLAD ELEKTROTECHNICZNY. ISSN 0033-2097, 2020, vol. 96, no. 10, pp. 167-169., Registrované v: WOS

8. [1.1] OSTROWSKI, M. Simulation of the Schrodinger particle non-elastic scattering with emission of photon in the quantum register. In BULLETIN OF THE POLISH ACADEMY OF SCIENCES-TECHNICAL SCIENCES. ISSN 0239-7528, 2020, vol. 68, no. 5, pp. 1217-1225., Registrované v: WOS
9. [1.1] PICHLER, Hannes - ZOLLER, Peter. Photonic Circuits with Time Delays and Quantum Feedback. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2016, vol. 116, no. 9, 093601., Registrované v: WOS
10. [1.1] QIAO, Lei - SUN, Chang-Pu. Atom-photon bound states and non-Markovian cooperative dynamics in coupled-resonator waveguides. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 6, 063806., Registrované v: WOS
11. [1.1] QIAO, Lei - SUN, Chang-Pu. Universal trapping law induced by an atomic cloud in single-photon cooperative dynamics. In PHYSICAL REVIEW A. ISSN 1050-2947, 2020, vol. 101, no. 6, 063831., Registrované v: WOS
12. [1.1] REICHEGGER, Andreas - EVERS, Joerg. Temporal dynamics of stimulated emission with applications in nuclear quantum optics. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 91, no. 5, 053810., Registrované v: WOS
13. [1.1] SCHAEFER, Christian - RUGGENTHALER, Michael - RUBIO, Angel. Ab initio nonrelativistic quantum electrodynamics: Bridging quantum chemistry and quantum optics from weak to strong coupling. In PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 98, no. 4, 043801., Registrované v: WOS
14. [1.1] STEINER, Matthias - LEONG, Victor - SEIDLER, Mathias Alexander - et al. Photon bandwidth dependence of light-matter interaction. In OPTICS EXPRESS. ISSN 1094-4087, 2017, vol. 25, no. 6, pp. 6294-6301., Registrované v: WOS
15. [1.1] ZHANG, Anwei - CHEN, Xianfeng - YUAN, Luqi. Hidden equivalence in the collective emission from a dilute atomic cloud. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 99, no. 2, 023842., Registrované v: WOS

ADCA154 BUŽEK, Vladimír. N-level atom interacting with single-mode radiation field: An exactly solvable model with multiphoton transitions and intensity-dependent coupling. In *Journal of Modern Optics*, 1990, vol. 37, no. 6, p. 1033-1053. ISSN 0950-0340. Dostupné na: <https://doi.org/10.1080/09500349014551091>

Ohlasy:

1. [1.1] VALVERDE, C. - GONCALVES, V. G. - BASEIA, B. Controlling the non-classical properties of a hybrid Cooper pair box system and an intensity dependent nanomechanical resonator. In PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS. ISSN 0378-4371, 2016, vol. 446, no., pp. 171-181., Registrované v: WOS

ADCA155 BUŽEK, Vladimír. On the non-linear Jaynes-Cummings model- the path-integral approach. In *Czechoslovak Journal of Physics*, 1989, vol. 39, no. 7, p. 757-765. ISSN 0011-4626. Dostupné na: <https://doi.org/10.1007/BF01598454>

Ohlasy:

1. [1.1] ADANMITONDE, A. J. - AVOSSEVOU, G. Y. H. Full Analytic Spectrum of Generalized Jaynes-Cummings Hamiltonians. In

- THEORETICAL AND MATHEMATICAL PHYSICS. ISSN 0040-5779, 2019, vol. 201, no. 1, pp. 1503-1513., Registrované v: WOS
2. [1.1] CHORENO, Enrique - OJEDA-GUILLEN, Didier - DAVID GRANADOS, Victor. Matrix diagonalization and exact solution of the k-photon Jaynes-Cummings model. In EUROPEAN PHYSICAL JOURNAL D. ISSN 1434-6060, 2018, vol. 72, no. 8, 142., Registrované v: WOS
3. [1.1] CHORENO, E. - OJEDA-GUILLEN, D. $Sp(4, R)$ algebraic approach of the most general Hamiltonian of a two-level system in two-dimensional geometry. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2019, vol. 134, no. 12, 606., Registrované v: WOS
4. [1.1] VALVERDE, Clodoaldo - BASEIA, Basilio. On the paradoxical evolution of the number of photons in a new model of interpolating Hamiltonians. In MODERN PHYSICS LETTERS B. ISSN 0217-9849, 2018, vol. 32, no. 3, 1850026., Registrované v: WOS

ADCA156 BUŽEK, Vladimír - HILLERY, M. Optimal manipulations with qubits: Universal quantum entanglers. In *Physical Review A*, 2000, vol. 62, no. 2, 022303. (2000 - Current Contents). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.62.022303>

Ohlasy:

1. [1.1] GAN, H. C. J. - MASLENNIKOV, Gleb - TSENG, Ko-Wei - NGUYEN, Chihuan - MATSUKEVICH, Dzmitry. Hybrid Quantum Computing with Conditional Beam Splitter Gate in Trapped Ion System. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2020, vol. 124, no. 17, 170502., Registrované v: WOS

ADCA157 BUŽEK, Vladimír - HILLERY, M. - WERNER, R.F. Optimal manipulations with qubits: Universal-NOT gate. In *Physical Review A*, 1999, vol. 60, no. 4, r2626-R2629. ISSN 1050-2947.

Ohlasy:

1. [1.1] ADAMI, Christoph - STEEG, Greg Ver. Black holes are almost optimal quantum cloners. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2015, vol. 48, no. 23, 23FT01., Registrované v: WOS
2. [1.1] BAE, Joonwoo. Designing quantum information processing via structural physical approximation. In REPORTS ON PROGRESS IN PHYSICS. ISSN 0034-4885, 2017, vol. 80, no. 10, 104001., Registrované v: WOS
3. [1.1] BANG, Jeongho - RYU, Junghee - KASZLIKOWSKI, Dagomir. Fidelity deviation in quantum teleportation. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2018, vol. 51, no. 13, 135302., Registrované v: WOS
4. [1.1] BERA, Anindita - DAS, Tamoghna - SADHUKHAN, Debasis - ROY, Sudipto Singha - SEN (DE), Aditi - SEN, Ujjwal. Quantum discord and its allies: a review of recent progress. In REPORTS ON PROGRESS IN PHYSICS. ISSN 0034-4885, 2018, vol. 81, no. 2, 024001., Registrované v: WOS
5. [1.1] CIRSTOIU, Cristina - KORZEKWA, Kamil - JENNINGS, David. Robustness of Noether's Principle: Maximal Disconnects between Conservation Laws and Symmetries in Quantum Theory. In PHYSICAL REVIEW X. ISSN 2160-3308, 2020, vol. 10, no. 4, 041035., Registrované v: WOS

6. [1.1] COELHO, Antonio S. - COSTANZO, Luca S. - ZAVATTA, Alessandro - HUGHES, Catherine - KIM, M. S. - BELLINI, Marco. Universal Continuous-Variable State Orthogonalizer and Qubit Generator. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2016, vol. 116, no. 11, 110501., Registrované v: WOS
7. [1.1] DESIGNOLLE, S. - GIRAUD, O. - MARTIN, J. Genuinely entangled symmetric states with no N-partite correlations. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 96, no. 3, 032322., Registrované v: WOS
8. [1.1] DONG, Qingxiuxiong - QUINTINO, Marco Tulio - SOEDA, Akihito - MURAO, Mio. Implementing positive maps with multiple copies of an input state. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 99, no. 5, 052352., Registrované v: WOS
9. [1.1] FILIPPOV, Sergey N. - KUZHAMURATOVA, Ksenia V. Quantum informational properties of the Landau-Streater channel. In JOURNAL OF MATHEMATICAL PHYSICS. ISSN 0022-2488, 2019, vol. 60, no. 4, 042202., Registrované v: WOS
10. [1.1] GIORDA, Paolo - ALLEGRA, Michele. Two-qubit correlations revisited: average mutual information, relevant (and useful) observables and an application to remote state preparation. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2017, vol. 50, no. 29, 295302., Registrované v: WOS
11. [1.1] GRAHAM, Trent M. - BERNSTEIN, Herbert J. - WEI, Tzu-Chieh - JUNGE, Marius - KWIAT, Paul G. Superdense teleportation using hyperentangled photons. In NATURE COMMUNICATIONS. ISSN 2041-1723, 2015, vol. 6, 7185., Registrované v: WOS
12. [1.1] GUERINI, Leonardo - BAVARESCO, Jessica - CUNHA, Marcelo Terra - ACIN, Antonio. Operational framework for quantum measurement simulability. In JOURNAL OF MATHEMATICAL PHYSICS. ISSN 0022-2488, 2017, vol. 58, no. 9, 092102., Registrované v: WOS
13. [1.1] HEINOSAARI, Teiko - REITZNER, Daniel - RYBAR, Tomas - ZIMAN, Mario. Incompatibility of unbiased qubit observables and Pauli channels. In PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 97, no. 2, 022112., Registrované v: WOS
14. [1.1] CHIRIBELLA, Giulio - EBLER, Daniel. Quantum speedup in the identification of cause-effect relations. In NATURE COMMUNICATIONS. ISSN 2041-1723, 2019, vol. 10, 1472., Registrované v: WOS
15. [1.1] KNIPS, Lukas - DZIEWIOR, Jan - KLOBUS, Waldemar - LASKOWSKI, Wieslaw - PATEREK, Tomasz - SHADBOLT, Peter J. - WEINFURTER, Harald - MEINECKE, Jasmin D. A. Multipartite entanglement analysis from random correlations. In NPJ QUANTUM INFORMATION, 2020, vol. 6, no. 1, 51., Registrované v: WOS
16. [1.1] MANI, Azam - KARIMIPOUR, Vahid - MEMARZADEH, Laleh. Comparison of parallel and antiparallel two-qubit mixed states. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 91, no. 1, UNSP 012304., Registrované v: WOS
17. [1.1] MODI, Kavan - PATI, Arun Kumar - SEN (DE), Aditi - SEN, Ujjwal. Masking Quantum Information is Impossible. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2018, vol. 120, no. 23, 230501., Registrované v: WOS

18. [1.1] MO, Yin - CHIRIBELLA, Giulio. Quantum-enhanced learning of rotations about an unknown direction. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2019, vol. 21, no. 11, 113003., Registrované v: WOS
19. [1.1] QUINTINO, Marco Tulio - DONG, Qingxiuxiong - SHIMBO, Atsushi - SOEDA, Akihito - MURAO, Mio. Probabilistic exact universal quantum circuits for transforming unitary operations. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 6, 062339., Registrované v: WOS
20. [1.1] ROSATI, Matteo - GIOVANNETTI, Vittorio. Asymmetric information capacities of reciprocal pairs of quantum channels. In PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 97, no. 5, 052318., Registrované v: WOS
21. [1.1] ROTA, Michele B. - BASSET, Francesco Basso - TEDESCHI, Davide - TROTTA, Rinaldo. Entanglement Teleportation With Photons From Quantum Dots: Toward a Solid-State Based Quantum Network. In IEEE JOURNAL OF SELECTED TOPICS IN QUANTUM ELECTRONICS. ISSN 1077-260X, 2020, vol. 26, no. 3, 6400416., Registrované v: WOS
22. [1.1] SEDLAK, Michal - BISIO, Alessandro - ZIMAN, Mario. Optimal Probabilistic Storage and Retrieval of Unitary Channels. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 122, no. 17, 170502., Registrované v: WOS
23. [1.1] SONG, Hongting. Information via Parallel and Antiparallel Quantum States. In PROCEEDINGS OF THE 36TH CHINESE CONTROL CONFERENCE (CCC 2017). ISSN 2161-2927, 2017, pp. 9786-9790., Registrované v: WOS
24. [1.1] WYDERKA, Nikolai - HUBER, Felix - GUEHNE, Otfried. Constraints on correlations in multiqubit systems. In PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 97, no. 6, 060101., Registrované v: WOS
25. [1.1] ZHANG, Kuan - MA, Jiajun - ZHANG, Xiang - THOMPSON, Jayne - VEDRAL, Vlatko - KIM, Kihwan - GU, Mile. Operational effects of the UNOT gate on classical and quantum correlations. In SCIENCE BULLETIN. ISSN 2095-9273, 2018, vol. 63, no. 12, pp. 765-770., Registrované v: WOS
26. [1.1] ZHAO, Zhikuan - PISARCZYK, Robert - THOMPSON, Jayne - GU, Mile - VEDRAL, Vlatko - FITZSIMONS, Joseph F. Geometry of quantum correlations in space-time. In PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 98, no. 5, 052312., Registrované v: WOS

ADCA158 BUŽEK, Vladimír - DERKA, R. - MASSAR, S. Optimal quantum clocks. In *Physical Review Letters*, 1999, vol. 82, no. 10, p. 2207-2210. (1998: 6.017 - IF, Current Contents - CCC). (1999 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Ohlasy:

1. [1.1] BORISH, V. - MARKOVIC, O. - HINES, J. A. - RAJAGOPAL, S. V. - SCHLEIER-SMITH, M. Transverse-Field Ising Dynamics in a Rydberg-Dressed Atomic Gas. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2020, vol. 124, no. 6, 063601., Registrované v: WOS
2. [1.1] BRASK, J. B. - CHAVES, R. - KOLODYNski, J. Improved Quantum Magnetometry beyond the Standard Quantum Limit. In PHYSICAL REVIEW X. ISSN 2160-3308, 2015, vol. 5, no. 3, 031010., Registrované v: WOS
3. [1.1] CZEKAJ, L. - PRZYSIEZNA, A. - HORODECKI, M. -

- HORODECKI, P. Quantum metrology: Heisenberg limit with bound entanglement. In PHYSICAL REVIEW A. ISSN 2469-9926, 2015, vol. 92, no. 6, 062303., Registrované v: WOS
4. [1.1] DEMKOWICZ-DOBRZANSKI, Rafal - JARZYNA, Marcin - KOŁODYNSKI, Jan. Quantum Limits in Optical Interferometry. In PROGRESS IN OPTICS, VOL 60. ISSN 0079-6638, 2015, vol. 60, pp. 345., Registrované v: WOS
5. [1.1] ERKER, Paul - MITCHISON, Mark T. - SILVA, Ralph - WOODS, Mischa P. - BRUNNER, Nicolas - HUBER, Marcus. Autonomous Quantum Clocks: Does Thermodynamics Limit Our Ability to Measure Time? In PHYSICAL REVIEW X. ISSN 2160-3308, 2017, vol. 7, no. 3, 031022., Registrované v: WOS
6. [1.1] FALAYE, B. J. - ADEPOJU, A. G. - ALIYU, A. S. - MELCHOR, M. M. - LIMAN, M. S. - OLUWADARE, O. J. - GONZALEZ-RAMIREZ, M. D. - OYEWUMI, K. J. Investigating quantum metrology in noisy channels. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2017, vol. 7, 16622., Registrované v: WOS
7. [1.1] FRAAS, Martin. An Analysis of the Stationary Operation of Atomic Clocks. In COMMUNICATIONS IN MATHEMATICAL PHYSICS. ISSN 0010-3616, 2016, vol. 348, no. 2, pp. 363-393., Registrované v: WOS
8. [1.1] GAMBINI, Rodolfo - GARCIA-PINTOS, Luis Pedro - PULLIN, Jorge. Single-world consistent interpretation of quantum mechanics from fundamental time and length uncertainties. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 1, 012113., Registrované v: WOS
9. [1.1] GIORDA, Paolo - ALLEGRA, Michele. Coherence in quantum estimation. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2018, vol. 51, no. 2, 025302., Registrované v: WOS
10. [1.1] GUO, Li-Sha - XU, Bao-Ming - ZOU, Jian - SHAO, Bin. Magnetic field sensing subject to correlated noise with a ring spin chain. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2016, vol. 6, 33254., Registrované v: WOS
11. [1.1] HASSANI, Majid - MACCHIAVELLO, Chiara - MACCONE, Lorenzo. Digital Quantum Estimation. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2017, vol. 119, no. 20, 200502., Registrované v: WOS
12. [1.1] HAYASHI, Masahito - VINJANAMPATHY, Sai - KWEK, L. C. Resolving unattainable Cramer-Rao bounds for quantum sensors. In JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS. ISSN 0953-4075, 2019, vol. 52, no. 1, 015503., Registrované v: WOS
13. [1.1] HAYASHI, Masahito. Fourier Analytic Approach to Quantum Estimation of Group Action. In COMMUNICATIONS IN MATHEMATICAL PHYSICS. ISSN 0010-3616, 2016, vol. 347, no. 1, pp. 3-82., Registrované v: WOS
14. [1.1] CHABUDA, Krzysztof - LEROUX, Ian D. - DEMKOWICZ-DOBRZANSKI, Rafal. The quantum Allan variance. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2016, vol. 18, 083035., Registrované v: WOS
15. [1.1] CHIRIBELLA, Giulio - YANG, Yuxiang. Quantum superreplication of states and gates. In FRONTIERS OF PHYSICS. ISSN 2095-0462, 2016, vol. 11, no. 3, 110304., Registrované v: WOS

16. [1.1] CHIRIBELLA, Giulio - YANG, Yuxiang. Optimal quantum operations at zero energy cost. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 96, no. 2, 022327., Registrované v: WOS
17. [1.1] JARZYNA, Marcin - DEMKOWICZ-DOBRZANSKI, Rafal. True precision limits in quantum metrology. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2015, vol. 17, 013010., Registrované v: WOS
18. [1.1] JIN, Yao - YU, Hongwei. Electromagnetic shielding in quantum metrology. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 91, no. 2, 022120., Registrované v: WOS
19. [1.1] JIN, Yao. Precision protection through indirect correlations. In ANNALS OF PHYSICS. ISSN 0003-4916, 2016, vol. 367, no., pp. 212-218., Registrované v: WOS
20. [1.1] JIN, Yao. Precision protection through cosmic string in quantum metrology. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2020, vol. 80, no. 12, 1175., Registrované v: WOS
21. [1.1] JIN, Yao. The Effect of Vacuum Fluctuations on Quantum Metrology for a Uniformly Accelerated Atom. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2017, vol. 56, no. 3, pp. 898-905., Registrované v: WOS
22. [1.1] KHANDELWAL, Shishir - LOCK, Maximilian P. E. - WOODS, Mischa P. Universal quantum modifications to general relativistic time dilation in delocalised clocks. In QUANTUM. ISSN 2521-327X, 2020, vol. 4., Registrované v: WOS
23. [1.1] LEROUX, Ian D. - SCHARNHORST, Nils - HANNIG, Stephan - KRAMER, Johannes - PELZER, Lennart - STEPANOVA, Mariia - SCHMIDT, Piet O. On-line estimation of local oscillator noise and optimisation of servo parameters in atomic clocks. In METROLOGIA. ISSN 0026-1394, 2017, vol. 54, no. 3., Registrované v: WOS
24. [1.1] LIU, Yang - ZHANG, Shengyu. Fast Quantum Algorithms for Least Squares Regression and Statistic Leverage Scores. In FRONTIERS IN ALGORITHMICS (FAW 2015). ISSN 0302-9743, 2015, vol. 9130, pp. 204., Registrované v: WOS
25. [1.1] LIU, Yang - ZHANG, Shengyu. Fast quantum algorithms for least squares regression and statistic leverage scores. In THEORETICAL COMPUTER SCIENCE. ISSN 0304-3975, 2017, vol. 657, SI, pp. 38-47., Registrované v: WOS
26. [1.1] LOCK, Maximilian P. E. - FUENTES, Ivette. Quantum and classical effects in a light-clock falling in Schwarzschild geometry. In CLASSICAL AND QUANTUM GRAVITY. ISSN 0264-9381, 2019, vol. 36, no. 17, 175007., Registrované v: WOS
27. [1.1] LUDLOW, Andrew D. - BOYD, Martin M. - YE, Jun - PEIK, E. - SCHMIDT, P. O. Optical atomic clocks. In REVIEWS OF MODERN PHYSICS. ISSN 0034-6861, 2015, vol. 87, no. 2, pp. 637., Registrované v: WOS
28. [1.1] MARVIAN, Iman. Coherence distillation machines are impossible in quantum thermodynamics. In NATURE COMMUNICATIONS. ISSN 2041-1723, 2020, vol. 11, no. 1, 25., Registrované v: WOS
29. [1.1] MIYADERA, Takayuki. Energy-Time Uncertainty Relations in Quantum Measurements. In FOUNDATIONS OF PHYSICS. ISSN 0015-9018, 2016, vol. 46, no. 11, pp. 1522-1550., Registrované v: WOS
30. [1.1] PEZZE, Luca - SMERZI, Augusto - OBERTHALER, Markus

- K. - SCHMIED, Roman - TREUTLEIN, Philipp. Quantum metrology with nonclassical states of atomic ensembles. In *REVIEWS OF MODERN PHYSICS*. ISSN 0034-6861, 2018, vol. 90, no. 3, 035005., Registrované v: WOS
31. [1.1] RUIZ, Esteban Castro - GIACOMINI, Flaminia - BRUKNER, Caslav. Entanglement of quantum clocks through gravity. In *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*. ISSN 0027-8424, 2017, vol. 114, no. 12, pp. E2303-E2309., Registrované v: WOS
32. [1.1] SEKATSKI, Pavel - SKOTINIOTIS, Michalis - KOLODYNSKI, Jan - DUER, Wolfgang. Quantum metrology with full and fast quantum control. In *QUANTUM*. ISSN 2521-327X, 2017, vol. 1, UNSP 27., Registrované v: WOS
33. [1.1] SEKATSKI, P. - SKOTINIOTIS, M. - DUER, W. No-signaling bounds for quantum cloning and metrology. In *PHYSICAL REVIEW A*. ISSN 1050-2947, 2015, vol. 92, no. 2, 022355., Registrované v: WOS
34. [1.1] SHEMSHADI, Mohammad Javad - AKHTARSHENAS, Seyed Javad. Quantum Fisher information matrix for unitary processes: closed relation for SU(2). In *QUANTUM INFORMATION PROCESSING*. ISSN 1570-0755, 2018, vol. 17, no. 12, 341., Registrované v: WOS
35. [1.1] SCHULTE, M. - LOERCH, N. - LEROUX, I. D. - SCHMIDT, P. O. - HAMMERER, K. Quantum Algorithmic Readout in Multi-Ion Clocks. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2016, vol. 116, no. 1, 013002., Registrované v: WOS
36. [1.1] SMITH, Alexander R. H. - AHMADI, Mehdi. Quantum clocks observe classical and quantum time dilation. In *NATURE COMMUNICATIONS*. ISSN 2041-1723, 2020, vol. 11, no. 1, 5360., Registrované v: WOS
37. [1.1] STENBERG, Markku P. V. - PACK, Kevin - WILHELM, Frank K. Adaptive identification of coherent states. In *PHYSICAL REVIEW A*. ISSN 1050-2947, 2015, vol. 92, no. 6, 063852., Registrované v: WOS
38. [1.1] WANG, Jieci - LIU, Tonghua - JING, Jiliang - CHEN, Songbai. Synchronization and Estimation of Gravity-Induced Time Difference for Quantum Clocks. In *ADVANCED QUANTUM TECHNOLOGIES*, 2019, vol. 2, no. 5-6., Registrované v: WOS
39. [1.1] WANG, Yuan-Sheng - CHEN, Chong - AN, Jun-Hong. Quantum metrology in local dissipative environments. In *NEW JOURNAL OF PHYSICS*. ISSN 1367-2630, 2017, vol. 19, 113019., Registrované v: WOS
40. [1.1] WOODS, Mischa P. - ALHAMBRA, Alvaro M. Continuous groups of transversal gates for quantum error correcting codes from finite clock reference frames. In *QUANTUM*. ISSN 2521-327X, 2020, vol. 4., Registrované v: WOS
41. [1.1] WOODS, Mischa P. - SILVA, Ralph - OPPENHEIM, Jonathan. Autonomous Quantum Machines and Finite-Sized Clocks. In *ANNALES HENRI POINCARÉ*. ISSN 1424-0637, 2019, vol. 20, no. 1, pp. 125-218., Registrované v: WOS
42. [1.1] YANG, Ying - JING, Jiliang - ZHAO, Zixu. Enhancing estimation precision of parameter for a two-level atom with circular motion. In *QUANTUM INFORMATION PROCESSING*. ISSN 1570-0755, 2019, vol. 18, no. 4, 120., Registrované v: WOS
43. [1.1] YANG, Ying - LIU, Xiaobao - WANG, Jieci - JING, Jiliang.

- Quantum metrology of phase for accelerated two-level atom coupled with electromagnetic field with and without boundary. In *QUANTUM INFORMATION PROCESSING*. ISSN 1570-0755, 2018, vol. 17, no. 3, UNSP 54., Registrované v: WOS
44. [1.1] YANG, Ying - WANG, Jieci - WANG, Mengjie - JING, Jiliang - TIAN, Zehua. Parameter estimation in cosmic string spacetime by using the inertial and accelerated detectors. In *CLASSICAL AND QUANTUM GRAVITY*. ISSN 0264-9381, 2020, vol. 37, no. 6, 065017., Registrované v: WOS
45. [1.1] YANG, Yuxiang - CHIRIBELLA, Giulio - HU, Qinheping. Units of rotational information. In *NEW JOURNAL OF PHYSICS*. ISSN 1367-2630, 2017, vol. 19, 123003., Registrované v: WOS
46. [1.1] YANG, Yuxiang - CHIRIBELLA, Giulio - HAYASHI, Masahito. Quantum stopwatch: how to store time in a quantum memory. In *PROCEEDINGS OF THE ROYAL SOCIETY A-MATHEMATICAL PHYSICAL AND ENGINEERING SCIENCES*. ISSN 1364-5021, 2018, vol. 474, no. 2213, 20170773., Registrované v: WOS
47. [1.1] YANG, Yuxiang - RENNER, Renato - CHIRIBELLA, Giulio. Optimal Universal Programming of Unitary Gates. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2020, vol. 125, no. 21, 210501., Registrované v: WOS
48. [1.1] YUE, Jie-Dong - ZHANG, Yu-Ran - FAN, Heng. Operation-triggered quantum clock synchronization. In *PHYSICAL REVIEW A*. ISSN 1050-2947, 2015, vol. 92, no. 3, 032321., Registrované v: WOS
49. [1.1] ZHAO, Zhikuan - FITZSIMONS, Jack K. - OSBORNE, Michael A. - ROBERTS, Stephen J. - FITZSIMONS, Joseph F. Quantum algorithms for training Gaussian processes. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2019, vol. 100, no. 1, 012304., Registrované v: WOS
50. [1.1] ZHAO, Zhikuan - FITZSIMONS, Jack K. - FITZSIMONS, Joseph F. Quantum-assisted Gaussian process regression. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2019, vol. 99, no. 5, 052331., Registrované v: WOS
51. [1.1] ZHAO, Zixu - PAN, Qiyuan - JING, Jiliang. Quantum estimation of acceleration and temperature in open quantum system. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2020, vol. 101, no. 5, 056014., Registrované v: WOS
52. [1.1] ZHOU, Sisi - ZOU, Chang-Ling - JIANG, Liang. Saturating the quantum Cramer-Rao bound using LOCC. In *QUANTUM SCIENCE AND TECHNOLOGY*. ISSN 2058-9565, 2020, vol. 5, no. 2, 025005., Registrované v: WOS
53. [1.1] ZIMBORAS, Zoltan - ZEIER, Robert - SCHULTE-HERBRUEGGEN, Thomas - BURGARTH, Daniel. Symmetry criteria for quantum simulability of effective interactions. In *PHYSICAL REVIEW A*. ISSN 1050-2947, 2015, vol. 92, no. 4, 042309., Registrované v: WOS

ADCA159 BUŽEK, Vladimír. Periodic revivals of squeezing in an anharmonic-oscillator model with coherent-light. In *Physics Letters A*, 1989, vol. 136, no. 4-5, p. 188-192. ISSN 0375-9601. Dostupné na: [https://doi.org/10.1016/0375-9601\(89\)90558-6](https://doi.org/10.1016/0375-9601(89)90558-6)

Ohlasy:

1. [1.1] BAYEN, Dolan Krishna - MANDAL, Swapan. Classical and quantum description of a periodically driven multi-photon anharmonic oscillator. In OPTICAL AND QUANTUM ELECTRONICS. ISSN 0306-8919, 2019, vol. 51, no. 12, 388., Registrované v: WOS
2. [1.1] BAYEN, Dolan Krishna - MANDAL, Swapan. Squeezing of coherent light coupled to a periodically driven two-photon anharmonic oscillator. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2020, vol. 135, no. 6., Registrované v: WOS
3. [1.1] KALAGA, J. K. - PERINA, J. - KOWALEWSKA-KUDLASZYK, A. - LEONSKI, W. Einstein-Podolsky-Rosen steering and squeezing effect in system two coupled nonlinear oscillators. In 21ST CZECH-POLISH-SLOVAK OPTICAL CONFERENCE ON WAVE AND QUANTUM ASPECTS OF CONTEMPORARY OPTICS. ISSN 0277-786X, 2018, vol. 10976, UNSP. 1097612, Registrované v: WOS
4. [1.1] KUMAR, P. - KUMAR, R. - PRAKASH, H. Enhancement of the Hong-Mandel Higher-Order Squeezing and Amplitude Odd-Power Squeezing in Even Coherent State by its Superposition with Vacuum State. In ACTA PHYSICA POLONICA A. ISSN 0587-4246, 2017, vol. 131, no. 6, pp. 1485-1490., Registrované v: WOS
5. [1.1] MANDAL, Swapan. Derivation of multi-photon anharmonic oscillator model from its classical counterpart. In OPTIK. ISSN 0030-4026, 2016, vol. 127, no. 20, pp. 10042-10048., Registrované v: WOS

ADCA160 BUŽEK, Vladimír - GANTSOG, T. - KIM, M.S. Phase properties of Schrodinger cat states of light decaying in phase-sensitive reservoirs. In *Physica Scripta*, 1993, vol. T48, p. 131-142. ISSN 0031-8949. Dostupné na: <https://doi.org/10.1088/0031-8949/1993/T48/021>

Ohlasy:

1. [1.1] KOZLOVSKII, A. V. Fluctuations of the hermitian phase operator of electromagnetic field for quantum phase superpositions of coherent states. In JOURNAL OF MODERN OPTICS. ISSN 0950-0340, 2019, vol. 66, no. 5, pp. 463-472., Registrované v: WOS
2. [1.1] KOZLOVSKII, A. V. Uncertainty Relations for the Number of Photons and the Phase Operator of an Electromagnetic Field for Phase Quantum Superpositions of Coherent States. In OPTICS AND SPECTROSCOPY. ISSN 0030-400X, 2020, vol. 128, no. 3, pp. 355-366., Registrované v: WOS

ADCA161 BUŽEK, Vladimír - HILLERY, M. - ZIMAN, Mário - ROSKO, M. Programmable quantum processors. In *Quantum Information Processing*, 2006, vol. 5, no. 5, p. 313-420. ISSN 1570-0755. Dostupné na: <https://doi.org/10.1007/s11128-006-0028-z>

Ohlasy:

1. [1.1] GLASER, Steffen J. - BOSCAIN, Ugo - CALARCO, Tommaso - KOCH, Christiane P. - KOECKENBERGER, Walter - KOSLOFF, Ronnie - KUPROV, Ilya - LUY, Burkhard - SCHIRMER, Sophie - SCHULTE-HERBRUEGGEN, Thomas - SUGNY, Dominique - WILHELM, Frank K. Training Schrodinger's cat: quantum optimal control Strategic report on current status, visions and goals for research in Europe. In EUROPEAN PHYSICAL JOURNAL D. ISSN 1434-6060, 2015, vol. 69, no. 12, 279.,

Registrované v: WOS

2. [1.1] REN, Xijun. Quantum correlations generation and distribution in a universal covariant quantum cloning circuit. In SCIENCE CHINA-INFORMATION SCIENCES. ISSN 1674-733X, 2017, vol. 60, no. 12, 122501., Registrované v: WOS
3. [1.1] SENTIS, Gael - MONRAS, Alex - MUNOZ-TAPIA, Ramon - CALSAMIGLIA, John - BAGAN, Emilio. Unsupervised Classification of Quantum Data. In PHYSICAL REVIEW X. ISSN 2160-3308, 2019, vol. 9, no. 4, 041029., Registrované v: WOS
4. [1.1] TUKIAINEN, Mikko - LYYRA, Henri - SARBICKI, Gniewomir - MANISCALCO, Sabrina. Fidelity of dynamical maps. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 95, no. 5, 052102., Registrované v: WOS
5. [1.1] YANG, Yuxiang - CHIRIBELLA, Giulio - HU, Qinheping. Units of rotational information. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2017, vol. 19, 123003., Registrované v: WOS

ADCA162 BUŽEK, Vladimír - BRAUNSTEIN, S.L. - HILLERY, M. - BRUSS, D. Quantum copying: A network. In *Physical Review A*, 1997, vol. 56, no. 5, p. 3446-3452. ISSN 1050-2947.

Ohlasy:

1. [1.1] DAJKA, Jerzy - LUCZKA, Jerzy. Quantum cloning disturbed by thermal Davies environment. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2016, vol. 15, no. 6, pp. 2661-2673., Registrované v: WOS
2. [1.1] DE MARTINI, Francesco - SCIARRINO, Fabio. Twenty Years of Quantum State Teleportation at the Sapienza University in Rome. In ENTROPY, 2019, vol. 21, no. 8, 768., Registrované v: WOS
3. [1.1] DEHMANI, Mustapha - EZ-ZAHRAOUI, Hamid - BENYOUSSEF, Abdelilah. QUANTUM KEY DISTRIBUTION WITH SEVERAL CLONING ATTACKS VIA A DEPOLARIZING CHANNEL. In JOURNAL OF RUSSIAN LASER RESEARCH. ISSN 1071-2836, 2015, vol. 36, no. 3, pp. 228., Registrované v: WOS
4. [1.1] KAY, Alastair. Coprocessors for quantum devices. In PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 97, no. 3, 032316., Registrované v: WOS
5. [1.1] KUMAR, Asutosh - CHAKRABARTY, Indranil - PATI, Arun Kumar - SEN (DE), Aditi - SEN, Ujjwal. Quantum no-go theorems in causality respecting systems in the presence of closed timelike curves: Tweaking the Deutsch condition. In EPL. ISSN 0295-5075, 2018, vol. 122, no. 1, 10007., Registrované v: WOS
6. [1.1] REN, Xijun. Quantum correlations generation and distribution in a universal covariant quantum cloning circuit. In SCIENCE CHINA-INFORMATION SCIENCES. ISSN 1674-733X, 2017, vol. 60, no. 12, 122501., Registrované v: WOS
7. [1.1] REN, Xi-Jun - FAN, Heng. QUANTUM CIRCUITS FOR ASYMMETRIC $1 > n$ QUANTUM CLONING. In QUANTUM INFORMATION & COMPUTATION. ISSN 1533-7146, 2015, vol. 15, no. 11-12, pp. 914., Registrované v: WOS
8. [1.1] SAZIM, Sk - CHAKRABARTY, Indranil - DATTA, Annwesha

- PATI, Arun K. Complementarity of quantum correlations in cloning and deleting of quantum states. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 91, no. 6, 062311., Registrované v: WOS
- 9. [1.1] SHI, Peng - LI, Nachuan - WANG, Shumei - LIU, Zhi - REN, Mengran - MA, Hongyang. Quantum Multi-User Broadcast Protocol for the "Platform as a Service" Model. In SENSORS, 2019, vol. 19, no. 23, 5257., Registrované v: WOS
- 10. [1.1] YANG, Chui-Ping - SU, Qi-Ping - ZHENG, Shi-Biao - HAN, Siyuan. One-step transfer or exchange of arbitrary multipartite quantum states with a single-qubit coupler. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 92, no. 5, 054509., Registrované v: WOS
- 11. [1.1] ZHAO, Yusheng. Research progress on quantum informatics and quantum computation. In 3RD INTERNATIONAL CONFERENCE ON ENERGY EQUIPMENT SCIENCE AND ENGINEERING (ICEESE 2017). ISSN 1755-1307, 2018, vol. 128, UNSP 012103., Registrované v: WOS
- 12. [1.1] ZHU, Meng-Zheng - YE, Liu. Implementing a quantum cloning machine in separate cavities via the optical coherent pulse as a quantum communication bus. In PHYSICAL REVIEW A. ISSN 2469-9926, 2015, vol. 91, no. 4, 042319., Registrované v: WOS
- 13. [1.1] ZHU, Meng-Zheng - YE, Liu. Implementing phase-covariant cloning in circuit quantum electrodynamics. In ANNALS OF PHYSICS. ISSN 0003-4916, 2016, vol. 373, no., pp. 512-520., Registrované v: WOS

ADCA163 BUŽEK, Vladimír - HILLERY, M. Quantum cloning. In *Physics World*, 2001, vol. 14, no. 11, p. 25-29. ISSN 0953-8585.

Ohlasy:

- 1. [1.1] KENDON, Viv. Quantum computing using continuous-time evolution. In INTERFACE FOCUS. ISSN 2042-8898, 2020, vol. 10, no. 6, 20190143., Registrované v: WOS

ADCA164 BUŽEK, Vladimír - HILLERY, M. Quantum copying: Beyond the no-cloning theorem. In *Physical Review A*, 1996, vol. 54, no. 3, p. 1844-1852. ISSN 1050-2947.

Ohlasy:

- 1. [1.1] ARANEDA, Gabriel - CISTERNAS, Nataly - DELGADO, Aldo. Telecloning of qudits via partially entangled states. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2016, vol. 15, no. 8, pp. 3443-3458., Registrované v: WOS
- 2. [1.1] ASJAD, Muhammad - TOMBESI, Paolo - VITALI, David. Feedback control of two-mode output entanglement and steering in cavity optomechanics. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 94, no. 5, 052312., Registrované v: WOS
- 3. [1.1] BAE, Joonwoo - KWEK, Leong-Chuan. Quantum state discrimination and its applications. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2015, vol. 48, no. 8, 083001., Registrované v: WOS
- 4. [1.1] BAE, Joonwoo. Designing quantum information processing via structural physical approximation. In REPORTS ON PROGRESS IN PHYSICS. ISSN 0034-4885, 2017, vol. 80, no. 10, 104001., Registrované v: WOS
- 5. [1.1] BANG, Jeongho - RYU, Junghee - KASZLIKOWSKI, Dagomir. Fidelity deviation in quantum teleportation. In JOURNAL OF

- PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2018, vol. 51, no. 13, 135302., Registrované v: WOS
6. [1.1] BANCHI, Leonardo - BRAUNSTEIN, Samuel L. - PIRANDOLA, Stefano. Quantum Fidelity for Arbitrary Gaussian States. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 115, no. 26, 260501., Registrované v: WOS
7. [1.1] BARTKIEWICZ, Karol - CERNOCH, Antonin - CHIMCZAK, Grzegorz - LEMR, Karel - MIRANOWICZ, Adam - NORI, Franco. Experimental quantum forgery of quantum optical money. In NPJ QUANTUM INFORMATION. ISSN 2056-6387, 2017, vol. 3, 7., Registrované v: WOS
8. [1.1] BEHERA, Bikash K. - REZA, Tasnum - GUPTA, Angad - PANIGRAHI, Prasanta K. Designing quantum router in IBM quantum computer. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2019, vol. 18, no. 11, 328., Registrované v: WOS
9. [1.1] BISWAL, Laxmidhar - BHATTACHARJEE, Debjyoti - CHATTOPADHYAY, Anupam - RAHAMAN, Hafizur. Techniques for fault-tolerant decomposition of a multicontrolled Toffoli gate. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 6, 062326., Registrované v: WOS
10. [1.1] BJORK, Gunnar - STENSSON, Katarina - KARLSSON, Magnus. Proposed Implementation of "Non-Physical" Four-Dimensional Polarization Rotations. In JOURNAL OF LIGHTWAVE TECHNOLOGY. ISSN 0733-8724, 2016, vol. 34, no. 14, pp. 3317-3322., Registrované v: WOS
11. [1.1] BOUDJEMA, R. - HAMICI, A.H. - HACHEMANE, M. - SMIDA, A. Generalized asymmetric phase-covariant quantum cloning within a nonextensive approach. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2016, vol. 15, no. 1, pp. 551-563., Registrované v: WOS
12. [1.1] BRADLER, Kamil. The Pitfalls of Deciding Whether a Quantum Channel is (Conjugate) Degradable and How to Avoid Them. In OPEN SYSTEMS & INFORMATION DYNAMICS. ISSN 1230-1612, 2015, vol. 22, no. 4, 1550026., Registrované v: WOS
13. [1.1] CUZMINSCHI, Marina - ZUBAREV, Alexei - ISAR, Aurelian. QUANTUM FIDELITY OF TWO-MODE GAUSSIAN STATES IN A THERMAL RESERVOIR. In PROCEEDINGS OF THE ROMANIAN ACADEMY SERIES A-MATHEMATICS PHYSICS TECHNICAL SCIENCES INFORMATION SCIENCE. ISSN 1454-9069, 2019, vol. 20, no. 3, pp. 251-258., Registrované v: WOS
14. [1.1] DAJKA, Jerzy - LUCZKA, Jerzy. Quantum cloning disturbed by thermal Davies environment. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2016, vol. 15, no. 6, pp. 2661-2673., Registrované v: WOS
15. [1.1] DAVIDSON, Jacob H. - LEFEBVRE, Pascal - ZHANG, Jun - OBLAK, Daniel - TITTEL, Wolfgang. Improved light-matter interaction for storage of quantum states of light in a thulium-doped crystal cavity. In PHYSICAL REVIEW A. ISSN 2469-9926, 2020, vol. 101, no. 4, 042333., Registrované v: WOS
16. [1.1] DE FARIA, Alencar J. Nondestructive verification of continuous-variable entanglement. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 94, no. 1, 012301., Registrované v: WOS
17. [1.1] DE MARTINI, Francesco - SCIARRINO, Fabio. Twenty Years

- of Quantum State Teleportation at the Sapienza University in Rome. In ENTROPY, 2019, vol. 21, no. 8, 768., Registrované v: WOS
18. [1.1] DE RONDE, Christian. Unscrambling the Omelette of Quantum Contextuality (Part I): Preexistent Properties or Measurement Outcomes? In FOUNDATIONS OF SCIENCE. ISSN 1233-1821, 2020, vol. 25, no. 1, pp. 55-76., Registrované v: WOS
19. [1.1] DEHMANI, Mustapha - EZ-ZAHRAOUI, Hamid - BENYOUSSEF, Abdelilah. QUANTUM KEY DISTRIBUTION WITH SEVERAL CLONING ATTACKS VIA A DEPOLARIZING CHANNEL. In JOURNAL OF RUSSIAN LASER RESEARCH. ISSN 1071-2836, 2015, vol. 36, no. 3, pp. 228., Registrované v: WOS
20. [1.1] DUER, W. - SEKATSKI, P. - SKOTINIOTIS, M. Deterministic Superreplication of One-Parameter Unitary Transformations. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 114, no. 12, 120503., Registrované v: WOS
21. [1.1] ELSTER, Fabian - BARKHOFEN, Sonja - NITSCHKE, Thomas - NOVOTNY, Jaroslav - GABRIS, Aurel - JEX, Igor - SILBERHORN, Christine. Quantum walk coherences on a dynamical percolation graph. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2015, vol. 5, 13495., Registrované v: WOS
22. [1.1] EPSTEIN, Samuel. Algorithmic No-Cloning Theorem. In IEEE TRANSACTIONS ON INFORMATION THEORY. ISSN 0018-9448, 2019, vol. 65, no. 9, pp. 5925-5930., Registrované v: WOS
23. [1.1] FANG, Bao-Long - CHEN, Jiaojiao - CHEN, Feng - YE, Liu. Weak measurement induced asymmetric quantum cloning. In LASER PHYSICS LETTERS. ISSN 1612-2011, 2020, vol. 17, no. 8, 085203., Registrované v: WOS
24. [1.1] FIDERER, Lukas J. - KUS, Marek - BRAUN, Daniel. Quantum-phase synchronization. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 94, no. 3, 032336., Registrované v: WOS
25. [1.1] GASSNER, Steven - CAFARO, Carlo - CAPOZZIELLO, Salvatore. Transition probabilities in generalized quantum search Hamiltonian evolutions. In INTERNATIONAL JOURNAL OF GEOMETRIC METHODS IN MODERN PHYSICS. ISSN 0219-8878, 2020, vol. 17, no. 1, 2050006., Registrované v: WOS
26. [1.1] GHOREISHI, Seyed Arash - AKHTARSHENAS, Seyed Javad - SARBISHAEI, Mohsen. Parametrization of quantum states based on the quantum state discrimination problem. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2019, vol. 18, no. 5, 150., Registrované v: WOS
27. [1.1] GOSWAMI, Suchetana - ADHIKARI, Satyabrata - MAJUMDAR, A. S. Coherence and entanglement under three-qubit cloning operations. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2019, vol. 18, no. 1, 36., Registrované v: WOS
28. [1.1] GUO, Qi - ZHAI, Shuqin - CHENG, Liu-Yong - WANG, Hong-Fu - ZHANG, Shou. Counterfactual quantum cloning without transmitting any physical particles. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 96, no. 5, 052335., Registrované v: WOS
29. [1.1] HASHAGEN, Anna-Lena. UNIVERSAL ASYMMETRIC QUANTUM CLONING REVISITED. In QUANTUM INFORMATION & COMPUTATION. ISSN 1533-7146, 2017, vol. 17, no. 9-10, pp. 747-778., Registrované v: WOS

30. [1.1] HAW, Jing Yan - ZHAO, Jie - DIAS, Josephine - ASSAD, Syed M. - BRADSHAW, Mark - BLANDINO, Remi - SYMUL, Thomas - RALPH, Timothy C. - LAM, Ping Koy. Surpassing the no-cloning limit with a heralded hybrid linear amplifier for coherent states. In NATURE COMMUNICATIONS. ISSN 2041-1723, 2016, vol. 7, 13222., Registrované v: WOS
31. [1.1] HEINOSAARI, Teiko - MIYADERA, Takayuki - ZIMAN, Mario. An invitation to quantum incompatibility. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2016, vol. 49, no. 12, 123001., Registrované v: WOS
32. [1.1] HSU, Li-Yi. Exploring the joint measurability using an information-theoretic approach. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2016, vol. 15, no. 12, pp. 5167-5177., Registrované v: WOS
33. [1.1] HUANG, Chien-Ying - LAMBERT, Neill - LI, Che-Ming - LU, Yen-Te - NORI, Franco. Securing quantum networking tasks with multipartite Einstein-Podolsky-Rosen steering. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 99, no. 1, 012302., Registrované v: WOS
34. [1.1] CHATTERJEE, Sourav - SAZIM, Sk - CHAKRABARTY, Indranil. Broadcasting of quantum correlations: Possibilities and impossibilities. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 93, no. 4, 042309., Registrované v: WOS
35. [1.1] CHIRIBELLA, Giulio - YANG, Yuxiang. Quantum superreplication of states and gates. In FRONTIERS OF PHYSICS. ISSN 2095-0462, 2016, vol. 11, no. 3, 110304., Registrované v: WOS
36. [1.1] CHIRIBELLA, G. - YANG, Y. - HUANG, C. Universal Superreplication of Unitary Gates. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 114, no. 12, 120504., Registrované v: WOS
37. [1.1] CHIU, Ching-Yi - LAMBERT, Neill - LIAO, Teh-Lu - NORI, Franco - LI, Che-Ming. No-cloning of quantum steering. In NPJ QUANTUM INFORMATION. ISSN 2056-6387, 2016, vol. 2, 16020., Registrované v: WOS
38. [1.1] JAIN, Aditya - CHAKRABARTY, Ndranil - CHATTERJEE, Sourav. Asymmetric broadcasting of quantum correlations. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 99, no. 2, 022315., Registrované v: WOS
39. [1.1] JAIN, Nitin - STILLER, Birgit - KHAN, Imran - ELSEER, Dominique - MARQUARDT, Christoph - LEUCHS, Gerd. Attacks on practical quantum key distribution systems (and how to prevent them). In CONTEMPORARY PHYSICS. ISSN 0010-7514, 2016, vol. 57, no. 3, pp. 366-387., Registrované v: WOS
40. [1.1] JU, Chia-Yi - MIRANOWICZ, Adam - CHEN, Guang-Yin - NORI, Franco. Non-Hermitian Hamiltonians and no-go theorems in quantum information. In PHYSICAL REVIEW A. ISSN 1050-2947, 2019, vol. 100, no. 6, 062118., Registrované v: WOS
41. [1.1] KANG, Peng - DAI, Hong-Yi - WEI, Jia-Hua - ZHANG, Ming. Optimal quantum cloning based on the maximin principle by using a priori information. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 94, no. 4, 042304., Registrované v: WOS
42. [1.1] KANG, Peng - ZHANG, Ming. How to Make Full Use of a Priori Knowledge of Quantum Information Processing. In PROCEEDINGS OF THE 2016 12TH WORLD CONGRESS ON INTELLIGENT CONTROL AND

AUTOMATION (WCICA), 2016, vol., no., pp. 3016-3020., Registrované v: WOS

43. [1.1] KANG, Yi-Hao - CHEN, Ye-Hong - WU, Qi-Cheng - HUANG, Bi-Hua - SONG, Jie - XIA, Yan. Fast generation of W states of superconducting qubits with multiple Schrodinger dynamics. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2016, vol. 6, 36737., Registrované v: WOS

44. [1.1] KARMAKAR, Sumana - SEN, Ajoy - SARKAR, Debasis. Performance of quantum cloning and deleting machines over coherence. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2017, vol. 16, no. 10, UNSP 251., Registrované v: WOS

45. [1.1] KAY, Alastair. Coprocessors for quantum devices. In PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 97, no. 3, 032316., Registrované v: WOS

46. [1.1] KAY, Alastair. OPTIMAL UNIVERSAL QUANTUM CLONING: ASYMMETRIES AND FIDELITY MEASURES. In QUANTUM INFORMATION & COMPUTATION. ISSN 1533-7146, 2016, vol. 16, no. 11-12, pp. 991-1028., Registrované v: WOS

47. [1.1] KAY, Alastair. Tailoring Spin Chain Dynamics for Fractional Revivals. In QUANTUM. ISSN 2521-327X, 2017, vol. 1, UNSP 24., Registrované v: WOS

48. [1.1] KELLERER, Aglae - MAREK, Petr - LACOUR, Sylvestre. Improving angular resolution of telescopes through probabilistic single-photon amplification? In OPTICAL AND INFRARED INTERFEROMETRY AND IMAGING VI. ISSN 0277-786X, 2018, vol. 10701, UNSP 107011W., Registrované v: WOS

49. [1.1] KHEIROLLAHI, Azam - MOHAMMADI, Hamidreza - AKHTARSHENAS, Seyed Javad. Two-qubit quantum cloning machine and quantum correlation broadcasting. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 94, no. 5, 052107., Registrované v: WOS

50. [1.1] KITAJIMA, Yuichiro. Imperfect Cloning Operations in Algebraic Quantum Theory. In FOUNDATIONS OF PHYSICS. ISSN 0015-9018, 2015, vol. 45, no. 1, pp. 62., Registrované v: WOS

51. [1.1] KNOLL, Laura T. - LOPEZ GRANDE, Ignacio H. - LAROTONDA, Miguel A. Photonic quantum simulator for unbiased phase covariant cloning. In APPLIED PHYSICS B-LASERS AND OPTICS. ISSN 0946-2171, 2018, vol. 124, no. 1, 3., Registrované v: WOS

52. [1.1] KUKLINSKI, Parker. Conditional probability distributions of finite absorbing quantum walks. In PHYSICAL REVIEW A. ISSN 2469-9926, 2020, vol. 101, no. 3, 032309., Registrované v: WOS

53. [1.1] KULKARNI, Anant - BINDA, Namita - KAUSHIK, Brajesh Kumar. Quantum Computing Circuits Based on Spin-Torque Qubit Architecture Toward the physical realization of quantum computers. In IEEE NANOTECHNOLOGY MAGAZINE. ISSN 1932-4510, 2019, vol. 13, no. 5, pp. 15-24., Registrované v: WOS

54. [1.1] KUMAR, Asutosh - CHAKRABARTY, Indranil - PATI, Arun Kumar - SEN (DE), Aditi - SEN, Ujjwal. Quantum no-go theorems in causality respecting systems in the presence of closed timelike curves: Tweaking the Deutsch condition. In EPL. ISSN 0295-5075, 2018, vol. 122, no. 1, 10007., Registrované v: WOS

55. [1.1] LEE, Jaehak - PARK, Jiyong - NHA, Hyunchul. Quantum

- non-Gaussianity and secure quantum communication. In NPJ QUANTUM INFORMATION, 2019, vol. 5, no. 5., Registrované v: WOS
56. [1.1] LEMM, Marius - WILDE, Mark M. Information-theoretic limitations on approximate quantum cloning and broadcasting. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 96, no. 1, 012304., Registrované v: WOS
57. [1.1] LIANG, Xiao-Bin - LI, Bo - FEI, Shao-Ming. Complete characterization of qubit masking. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 3, 030304., Registrované v: WOS
58. [1.1] LIANG, Xiao-Bin - LI, Bo - FEI, Shao-Ming - FAN, Heng. Impossibility of masking a set of quantum states of nonzero measure. In PHYSICAL REVIEW A. ISSN 2469-9926, 2020, vol. 101, no. 4, 042321., Registrované v: WOS
59. [1.1] LIANG, Yeong-Cherng - YEH, Yu-Hao - MENDONCA, Paulo E. M. F. - TEH, Run Yan - REID, Margaret D. - DRUMMOND, Peter D. Quantum fidelity measures for mixed states. In REPORTS ON PROGRESS IN PHYSICS. ISSN 0034-4885, 2019, vol. 82, no. 7, 076001., Registrované v: WOS
60. [1.1] LIN, Jin-Zhong. Efficient Preparation and Nondestructive Analysis of Photon and Spin Entangled States with Double-Sided Cavity and Nitrogen-Vacancy Center Coupled System. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2017, vol. 56, no. 2, pp. 456-479., Registrované v: WOS
61. [1.1] LIN, Jin-Zhong. Fast implementation of the $1 \rightarrow 3$ orbital state quantum cloning machine. In LASER PHYSICS LETTERS. ISSN 1612-2011, 2018, vol. 15, no. 5, 055202., Registrované v: WOS
62. [1.1] LIU, Hai-Xin - FAN, Heng. Geometrical analysis of probabilistic quantum cloning and identification of N states. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2020, vol. 53, no. 32, 325301., Registrované v: WOS
63. [1.1] LI, Mao-Sheng - MODI, Kavan. Probabilistic and approximate masking of quantum information. In PHYSICAL REVIEW A. ISSN 2469-9926, 2020, vol. 102, no. 2, 022418., Registrované v: WOS
64. [1.1] LOSTAGLIO, Matteo - SENNO, Gabriel. Contextual advantage for state-dependent cloning. In QUANTUM. ISSN 2521-327X, 2020, vol. 4., Registrované v: WOS
65. [1.1] LUO, Ming-Xing - LI, Hui-Ran - LAI, Hong - WANG, Xiaojun. Unified quantum no-go theorems and transforming of quantum pure states in a restricted set. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2017, vol. 16, no. 12, UNSP 297., Registrované v: WOS
66. [1.1] MAIMONE, Filippo - SCENZA, Giovanni - NADDEO, Adele. A natural cure for causality violations in Newton Schrodinger equation. In PHYSICA SCRIPTA. ISSN 0031-8949, 2019, vol. 94, no. 7, 075001., Registrované v: WOS
67. [1.1] MALANEY, Robert. The Quantum Car. In IEEE WIRELESS COMMUNICATIONS LETTERS. ISSN 2162-2337, 2016, vol. 5, no. 6, pp. 624-627., Registrované v: WOS
68. [1.1] MA, Peng-Cheng - CHEN, Gui-Bin - LI, Xiao-Wei - ZHAN, You-Bang. Deterministic assisted cloning of an unknown single-particle four-dimensional quantum state. In PRAMANA-JOURNAL OF PHYSICS. ISSN 0304-4289, 2018, vol. 91, no. 1, 6., Registrované v: WOS

69. [1.1] MA, Peng-Cheng - CHEN, Gui-Bin - LI, Xiao-Wei - ZHAN, You-Bang. Quantum jointly assisted cloning of an unknown three-dimensional equatorial state. In LASER PHYSICS. ISSN 1054-660X, 2018, vol. 28, no. 2, 025201., Registrované v: WOS
70. [1.1] MEHRI-TOONABI, Ali - DARAREH, Mahdi Davoudi - JANBAZ, Shahrooz. High-dimensional quantum key distribution using polarization-phase encoding: security analysis. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION. ISSN 0219-7499, 2020, vol. 18, no. 6, 2050031., Registrované v: WOS
71. [1.1] MENG, Fan-Xu - YU, Xu-Tao - ZHANG, Zai-Chen. An economical state-dependent telecloning for a multiparticle GHZ state. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2018, vol. 17, no. 3, UNSP 66., Registrované v: WOS
72. [1.1] MOULICK, Subhayan Roy - PANIGRAHI, Prasanta K. Quantum cheques. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2016, vol. 15, no. 6, pp. 2475-2486., Registrované v: WOS
73. [1.1] MUELLER, C. R. - LEUCHS, G. - MARQUARDT, Ch. - ANDERSEN, U. L. Optimally cloned binary coherent states. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 96, no. 4, 042311., Registrované v: WOS
74. [1.1] MUNDRA, Rounak - PATEL, Dhruvil - CHAKRABARTY, Indranil - GANGULY, Nirman - CHATTERJEE, Sourav. Broadcasting of quantum correlations in qubit-qudit systems. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 4, 042319., Registrované v: WOS
75. [1.1] MUSANNA, Farhan - KUMAR, Sanjeev. A novel three-party quantum secret sharing scheme based on Bell state sequential measurements with application in quantum image sharing. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2020, vol. 19, no. 10, 348., Registrované v: WOS
76. [1.1] NAMKUNG, Min - KWON, Younghun. Analysis of Optimal Sequential State Discrimination for Linearly Independent Pure Quantum States. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2018, vol. 8, 6515., Registrované v: WOS
77. [1.1] NEMIROVSKY, Jonathan - MECHEL, Chen - COHEN, Eliahu - KAMINER, Ido. Design and fundamental limits of nearfield magnetic-force scanning microscopy via the no-cloning theorem. In 2020 CONFERENCE ON LASERS AND ELECTRO-OPTICS (CLEO). ISSN 2160-9020, 2020, paper AF3K.6., Registrované v: WOS
78. [1.1] NIESTEGGE, Gerd. Quantum key distribution without the wavefunction. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION. ISSN 0219-7499, 2017, vol. 15, no. 6, 1750048., Registrované v: WOS
79. [1.1] NIESTEGGE, G. Non-classical conditional probability and the quantum no-cloning theorem. In PHYSICA SCRIPTA, 2015, vol. 90, 095101., Registrované v: WOS
80. [1.1] NIKITIN, N. V. - TOMS, K. S. The Monogamy of Entanglement and the Impossibility of the Creation of a Quantum Ansible. In MOSCOW UNIVERSITY PHYSICS BULLETIN. ISSN 0027-1349, 2020, vol. 75, no. 6, pp. 541-546., Registrované v: WOS
81. [1.1] OH, Changhun - LEE, Changhyoup - BANCHI, Leonardo -

- LEE, Su-Yong - ROCKSTUHL, Carsten - JEONG, Hyunseok. Optimal measurements for quantum fidelity between Gaussian states and its relevance to quantum metrology. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 1, 012323., Registrované v: WOS
82. [1.1] ORTIGOSO, Juan. Twelve years before the quantum no-cloning theorem. In AMERICAN JOURNAL OF PHYSICS. ISSN 0002-9505, 2018, vol. 86, no. 3, pp. 201-205., Registrované v: WOS
83. [1.1] PENG, Li-Chao - WU, Dian - ZHONG, Han-Sen - LUO, Yi-Han - LI, Yuan - HU, Yi - JIANG, Xiao - CHEN, Ming-Cheng - LI, Li - LIU, Nai-Le - NEMOTO, Kae - MUNRO, William J. - SANDERS, Barry C. - LU, Chao-Yang - PAN, Jian-Wei. Cloning of Quantum Entanglement. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2020, vol. 125, no. 21, 210502., Registrované v: WOS
84. [1.1] PIRANDOLA, S. - EISERT, J. - WEEDBROOK, C. - FURUSAWA, A. - BRAUNSTEIN, S. L. Advances in quantum teleportation. In NATURE PHOTONICS. ISSN 1749-4885, 2015, vol. 9, no. 10, pp. 641., Registrované v: WOS
85. [1.1] QIANG, Xiaogang - ZHOU, Xiaoqi - AUNGSKUNSIRI, Kanin - CABLE, Hugo - LO'BRIEN, Jeremy. Quantum processing by remote quantum control. In QUANTUM SCIENCE AND TECHNOLOGY. ISSN 2058-9565, 2017, vol. 2, no. 4, UNSP 045002., Registrované v: WOS
86. [1.1] REDDY, Anirudh - SAMUEL, Joseph - SINHA, Supurna. A physical perspective on classical cloning. In PHYSICS LETTERS A. ISSN 0375-9601, 2019, vol. 383, no. 27, UNSP 125846., Registrované v: WOS
87. [1.1] REN, Xijun. Quantum correlations generation and distribution in a universal covariant quantum cloning circuit. In SCIENCE CHINA-INFORMATION SCIENCES. ISSN 1674-733X, 2017, vol. 60, no. 12, 122501., Registrované v: WOS
88. [1.1] REN, Xi-Jun - FAN, Heng. QUANTUM CIRCUITS FOR ASYMMETRIC $1 > n$ QUANTUM CLONING. In QUANTUM INFORMATION & COMPUTATION. ISSN 1533-7146, 2015, vol. 15, no. 11-12, pp. 914., Registrované v: WOS
89. [1.1] RHIM, Jun-Won - KIM, Kyoo - YANG, Bohm-Jung. Quantum distance and anomalous Landau levels of flat bands. In NATURE. ISSN 0028-0836, 2020, vol. 584, no. 7819, pp. 59-+, Registrované v: WOS
90. [1.1] RHODES, William T. - BOUGHANMI, Abdellatif - TORRES MORENO, Yezid. High-security communication by coherence modulation at the photon-counting level. In APPLIED OPTICS. ISSN 1559-128X, 2016, vol. 55, no. 15, pp. 3952-3957., Registrované v: WOS
91. [1.1] RUI, Pinshu - ZHANG, Wen - LIAO, Yanlin - ZHANG, Ziyun. Economical phase-covariant quantum telecloning of a single polarization photon via quantum nondemolition detection. In EUROPEAN PHYSICAL JOURNAL D. ISSN 1434-6060, 2017, vol. 71, no. 5, 107., Registrované v: WOS
92. [1.1] RUI, Pinshu - ZHANG, Wen - LIAO, Yanlin - ZHANG, Ziyun. Probabilistic quantum cloning of a subset of linearly dependent states. In EUROPEAN PHYSICAL JOURNAL D. ISSN 1434-6060, 2018, vol. 72, no. 2, 26., Registrované v: WOS
93. [1.1] RUI, Pin-shu. Probabilistic Cloning of Three Real States with Optimal Success Probabilities. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2017, vol. 56, no. 6, pp.

1784-1792., Registrované v: WOS

94. [1.1] SAZIM, Sk - AGRAWAL, Pankaj. Quantum mutual information and quantumness vectors for multiqubit systems. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2020, vol. 19, no. 8, 216., Registrované v: WOS

95. [1.1] SAZIM, Sk - CHAKRABARTY, Indranil - DATTA, Annwesha - PATI, Arun K. Complementarity of quantum correlations in cloning and deleting of quantum states. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 91, no. 6, 062311., Registrované v: WOS

96. [1.1] SEDLAK, Michal - BISIO, Alessandro - ZIMAN, Mario. Optimal Probabilistic Storage and Retrieval of Unitary Channels. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 122, no. 17, 170502., Registrované v: WOS

97. [1.1] SEDLAK, Michal - REITZNER, Daniel - CHIRIBELLA, Giulio - ZIMAN, Mario. Incompatible measurements on quantum causal networks. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 93, no. 5, 052323., Registrované v: WOS

98. [1.1] SEKATSKI, P. - SKOTINIOTIS, M. - DUER, W. No-signaling bounds for quantum cloning and metrology. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 92, no. 2, 022355., Registrované v: WOS

99. [1.1] SHANG, Tao - ZHANG, Chunlei - LI, Ke - LIU, Jianwei. Nonlinear Quantum Network Coding with Classical Communication Resource. In 2015 IEEE GLOBECOM WORKSHOPS (GC WKSHPs), 2015., Registrované v: WOS

100. [1.1] SHANG, Wei-Min - ZHOU, Jie - MENG, Hui-Xian - CHEN, Jing-Ling. Quantum Deletion of Copies of Two Non-orthogonal Quantum States via Weak Measurement. In CHINESE PHYSICS LETTERS. ISSN 0256-307X, 2020, vol. 37, no. 5, 050302., Registrované v: WOS

101. [1.1] SHARMA, Udit Kamal - CHAKRABARTY, Indranil - SHUKLA, Manish Kumar. Broadcasting quantum coherence via cloning. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 96, no. 5, 052319., Registrované v: WOS

102. [1.1] SHUKLA, Manish Kumar - CHAKRABARTY, Indranil - CHATTERJEE, Sourav. Broadcasting of entanglement via orthogonal and non-orthogonal state-dependent cloners. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2020, vol. 19, no. 1, 15., Registrované v: WOS

103. [1.1] SONG, Daegene. Relational Decision-Making Processes. In NEUROQUANTOLOGY. ISSN 1303-5150, 2017, vol. 15, no. 3, pp. 120-124., Registrované v: WOS

104. [1.1] STAREK, Robert - MICUDA, Michal - MIKOVA, Martina - STRAKA, Ivo - DUSEK, Miloslav - MAREK, Petr - JEZEK, Miroslav - FILIP, Radim - FIURASEK, Jaromir. Nondestructive detector for exchange symmetry of photonic qubits. In NPJ QUANTUM INFORMATION. ISSN 2056-6387, 2018, vol. 4, 35., Registrované v: WOS

105. [1.1] THEKKADATH, G. S. - SAALTINK, R. Y. - GINER, L. - LUNDEEN, J. S. Determining Complementary Properties with Quantum Clones. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2017, vol. 119, no. 5, 050405., Registrované v: WOS

106. [1.1] TIAN, Mingzhen - VEGA, Devin. Quantum memory and quantum cloning in an atomic frequency comb. In PHYSICAL REVIEW A.

- ISSN 2469-9926, 2019, vol. 100, no. 4, 042328., Registrované v: WOS
107. [1.1] WAKAMURA, Hiroaki - KAWAKUBO, Ryuitiro - KOIKE, Tatsuhiko. State protection by quantum control before and after noise processes. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 96, no. 2, 022325., Registrované v: WOS
108. [1.1] WAKAMURA, Hiroaki - KAWAKUBO, Ryuitiro - KOIKE, Tatsuhiko. Noise suppression by quantum control before and after the noise. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 95, no. 2, 022321., Registrované v: WOS
109. [1.1] WANG, Jin-wei - SHU, Lan - MO, Zhi-wen - ZHANG, Zhi-hua. Controlled Remote Information Concentration via GHZ-type States. In FUZZY SYSTEMS & OPERATIONS RESEARCH AND MANAGEMENT. ISSN 2194-5357, 2016, vol. 367, no., pp. 267-274., Registrované v: WOS
110. [1.1] WANG, MingHao - CAI, QingYu. Duplicating classical bits with universal quantum cloning machine. In SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY. ISSN 1674-7348, 2019, vol. 62, no. 3, 030312., Registrované v: WOS
111. [1.1] WANG, Ming-Hao - CAI, Qing-Yu. High-fidelity quantum cloning of two nonorthogonal quantum states via weak measurements. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 99, no. 1, 012324., Registrované v: WOS
112. [1.1] WANG, W.B. - ZU, C. - HE, L. - ZHANG, W.G. - DUAN, L.M. Memory-built-in quantum cloning in a hybrid solid-state spin register. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2015, vol. 5, 12203., Registrované v: WOS
113. [1.1] WANG, Xiao-Jun - AN, Long-Xi - MENG, Fan-Xu - YU, Xu-Tao - ZHANG, Zai-Chen. A Multicast Scheme Based on Fidelity Metrics in Quantum Networks. In IEEE ACCESS. ISSN 2169-3536, 2019, vol. 7, pp. 65703-65713., Registrované v: WOS
114. [1.1] WEIR, Graeme - BARNETT, Stephen M. - CROKE, Sarah. Optimal discrimination of single-qubit mixed states. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 96, no. 2, 022312., Registrované v: WOS
115. [1.1] WEN, Jing-Ji - YEON, Kyu-Hwang - DU, Xin - LV, Jia - WANG, Ming - WANG, Hong-Fu - ZHANG, Shou. Implementing of Quantum Cloning with Spatially Separated Quantum Dot Spins. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2016, vol. 55, no. 7, pp. 3088-3096., Registrované v: WOS
116. [1.1] WILKINSON, Kieran N. - COPE, Thomas P. W. - PIRANDOLA, Stefano. Exploring the Limitations of Quantum Networking through Butterfly-Based Networks. In ADVANCED QUANTUM TECHNOLOGIES, 2020, vol. 3, no. 3, 1900103., Registrované v: WOS
117. [1.1] XIE, Wei - FANG, Kun - WANG, Xin - DUAN, Runyao. Approximate broadcasting of quantum correlations. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 96, no. 2, 022302., Registrované v: WOS
118. [1.1] XI, Yu-Xing - CHENG, Wei-Wen - HUANG, Yan-Xia. Entanglement and quantum teleportation in a three-qubit Heisenberg chain with three-site interactions. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2015, vol. 14, no. 7, pp. 2551., Registrované v: WOS
119. [1.1] YANG, Chui-Ping - SU, Qi-Ping - ZHENG, Shi-Biao - HAN, Siyuan. One-step transfer or exchange of arbitrary multipartite quantum states

- with a single-qubit coupler. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 92, no. 5, 054509., Registrované v: WOS
120. [1.1] YANG, Yuxiang - CHIRIBELLA, Giulio - HAYASHI, Masahito. Optimal Compression for Identically Prepared Qubit States. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2016, vol. 117, no. 9, 090502., Registrované v: WOS
121. [1.1] YEROKHIN, V. - SHEHU, A. - FELDMAN, E. - BAGAN, E. - BERGOU, J. A. Probabilistically Perfect Cloning of Two Pure States: Geometric Approach. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2016, vol. 116, no. 20, 200401., Registrované v: WOS
122. [1.1] YE, Xi-Mei - ZHENG, Zhen-Fei - LU, Dao-Ming - YANG, Chui-Ping. Circuit QED: generation of two-transmon-qutrit entangled states via resonant interaction. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2018, vol. 17, no. 4, UNSP 99., Registrované v: WOS
123. [1.1] YUAN, Tingting - ZHOU, Fang - CHEN, Shengping - XIANG, Shaohua - SONG, Kehui - ZHAO, Yujing. Multipurpose Quantum Simulator Based on a Hybrid Solid-State Quantum Device. In SYMMETRY-BASEL, 2019, vol. 11, no. 4, 467., Registrované v: WOS
124. [1.1] YU, LiZhi. Information and Data Processing in Perfect Scheme for Implementing the Cloning. In 2015 4TH INTERNATIONAL CONFERENCE ON ENERGY AND ENVIRONMENTAL PROTECTION (ICEEP 2015), 2015, pp. 421., Registrované v: WOS
125. [1.1] YU, LiZhi. Information and Data Processing in the Scheme of $1 > 3$ Optimal Phase-covariant Quantum Cloning Machine. In PROCEEDINGS OF THE 3RD INTERNATIONAL CONFERENCE ON MATERIAL, MECHANICAL AND MANUFACTURING ENGINEERING. ISSN 2352-5401, 2015, vol. 27, pp. 1668., Registrované v: WOS
126. [1.1] YU, L.z. - ZHONG, F. Quantum Cloning of an Unknown 2-Atom State via Entangled Cluster States. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2016, vol. 55, no. 6, pp. 2800-2804., Registrované v: WOS
127. [1.1] ZHANG, Shi-Jun - ZHANG, Wen-Hai. Optimal economical telecloning of equatorial qubits. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2020, vol. 19, no. 8, 219., Registrované v: WOS
128. [1.1] ZHANG, Wen - RUI, Pinshu - YANG, Qun - ZHAO, Yan - ZHANG, Ziyun. Probabilistic cloning of three nonorthogonal states. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2015, vol. 14, no. 4, pp. 1523., Registrované v: WOS
129. [1.1] ZHANG, Wen - RUI, Pinshu - LU, Yan - YANG, Qun - ZHAO, Yan. Probabilistic cloning of a single-atom state via cavity QED. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2015, vol. 14, no. 6, pp. 2271., Registrované v: WOS
130. [1.1] ZHANG, Wen - RUI, Pinshu - ZHANG, Ziyun - LIAO, Yanlin. Optimal probabilistic cloning of two linearly independent states with arbitrary probability distribution. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2016, vol. 15, no. 2, pp. 969-979., Registrované v: WOS
131. [1.1] ZHAN, Xiang - WANG, Kunkun - XIAO, Lei - BIAN, Zhihao - ZHANG, Yongsheng - SANDERS, Barry C. - ZHANG, Chengjie - XUE, Peng. Experimental quantum cloning in a pseudo-unitary system. In PHYSICAL

REVIEW A. ISSN 2469-9926, 2020, vol. 101, no. 1, 010302., Registrované v: WOS

132. [1.1] ZHU, Meng-Zheng - YE, Liu. Implementing a quantum cloning machine in separate cavities via the optical coherent pulse as a quantum communication bus. In PHYSICAL REVIEW A. ISSN 2469-9926, 2015, vol. 91, no. 4, 042319., Registrované v: WOS

ADCA165 BUŽEK, Vladimír - HILLERY, M. Quantum disentanglement and phase measurements. In *Czechoslovak Journal of Physics*, 1995, vol. 45, no. 9, p. 711-725. (1994: 0.330 - IF, Current Contents - CCC). (1995 - Current Contents, WOS, SCOPUS). ISSN 0011-4626. Dostupné na: <https://doi.org/10.1007/BF01845946>

Ohlasy:

1. [1.1] BIRRITTELLA, Richard - GURA, Anna - GERRY, Christopher C. Coherently stimulated parametric down-conversion, phase effects, and quantum-optical interferometry. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 91, no. 5, 053801., Registrované v: WOS

ADCA166 BUŽEK, Vladimír - KNIGHT, P.L. Quantum interference, superposition states of light and nonclassical effects. In *Progress in Optics*, 1995, vol. 34, p. 1-158. ISSN 0079-6638. Dostupné na: [https://doi.org/10.1016/S0079-6638\(08\)70324-X](https://doi.org/10.1016/S0079-6638(08)70324-X)

Ohlasy:

1. [1.2] ABARI, Najmeh Etehad - NADERI, Mohammad Hossein.

Generation of the mechanical Schrödinger cat state in a hybrid atom-optomechanical system. In *Journal of the Optical Society of America B: Optical Physics*. ISSN 07403224, 2020-07-01, vol. 37, no. 7, pp. 2146-2156., Registrované v: SCOPUS

2. [1.2] DEHGHANI, A. - MOJAVERI, B. - JAFARZADEH BAHREBEIG, R. - VAEZ, M. Photon-added entangled Barut–Girardello coherent states: non-classicality and generation. In *European Physical Journal Plus*, 2020-02-01, vol. 135, no. 2., Registrované v: SCOPUS

3. [1.2] FAKHRI, H. - MOUSAVI-GHARALARI, S. E. Nonclassical properties of two families of q-coherent states in the Fock representation space of q-oscillator algebra. In *European Physical Journal Plus*, 2020-02-01, vol. 135, no. 2., Registrované v: SCOPUS

4. [1.2] FAKHRI, H. - SAYYAH-FARAD, M. Noncommutative photon-added squeezed vacuum states. In *MODERN PHYSICS LETTERS A*, 2020, vol. 35, no. 20, 2050167, Registrované v: SCOPUS

5. [1.2] FREITAS, Miguel Citeli de - MEIRELES, Vitor Dantas - DODONOV, Viktor V. Minimal products of coordinate and momentum uncertainties of high orders: Significant and weak high-order squeezing. In *Entropy*, 2020-09-01, vol. 22, no. 9., Registrované v: SCOPUS

6. [1.2] MEHER, Nilakantha - SIVAKUMAR, S. Enhancing phase sensitivity with number state filtered coherent states. In *Quantum Information Processing*. ISSN 15700755, 2020-02-01, 19, 2, pp., Registrované v: SCOPUS

7. [1.2] RAN, Du - SHAN, Wu Jiang - SHI, Zhi Cheng - YANG, Zhen Biao - SONG, Jie - XIA, Yan. Generation of nonclassical states in nonlinear oscillators via Lyapunov control. In *Physical Review A*. ISSN 24699926, 2020-08-01, vol. 102, no. 2., Registrované v: SCOPUS

8. [1.2] VASIL'EV, Peter P. - PENTY, Richard V. Wigner function and photon number distribution of a superradiant state in semiconductor

heterostructures. In New Journal of Physics. ISSN 13672630, 2020-08-01, vol. 22, no. 8, 083046., Registrované v: SCOPUS

9. [1.2] ZUBIZARRETA CASALENGUA, Eduardo - LÓPEZ CARREÑO, Juan Camilo - LAUSSY, Fabrice P. - DEL VALLE, Elena - DEL VALLE, Elena. Tuning photon statistics with coherent fields. In Physical Review A. ISSN 24699926, 2020-06-01, vol. 101, no. 6, 063824., Registrované v: SCOPUS

ADCA167 BUŽEK, Vladimír - KIM, M.S. - GANTSOG, T. Quantum phase distributions of amplified Schrodinger-cat states of light. In *Physical Review A*, 1993, vol. 48, no. 4, p. 3394-3397. ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.48.3394>

Ohlasy:

1. [1.1] BREWSTER, R. A. - FRANSON, J. D. Generalized delta functions and their use in quantum optics. In JOURNAL OF MATHEMATICAL PHYSICS. ISSN 0022-2488, 2018, vol. 59, no. 1, 012102., Registrované v: WOS
2. [1.1] FRANSON, J. D. - BREWSTER, R. A. Effects of entanglement in an ideal optical amplifier. In PHYSICS LETTERS A. ISSN 0375-9601, 2018, vol. 382, no. 13, pp. 887-893., Registrované v: WOS
3. [1.1] SHUKLA, Namrata - AKHTAR, Naeem - SANDERS, Barry C. Quantum tetrachotomous states: Superposition of four coherent states on a line in phase space. In PHYSICAL REVIEW A. ISSN 1050-2947, 2019, vol. 99, no. 6, 063813., Registrované v: WOS

ADCA168 BUŽEK, Vladimír - KRAHMER, D.S. - FONTENELLE, M.T. - SCHLEICH, W.P. Quantum statistics of grey-body radiation. In *Physics Letters A*, 1998, vol. 239, no. 1-2, p. 1-5. (1997: 1.267 - IF, Current Contents - CCC). (1998 - Current Contents). ISSN 0375-9601.

Ohlasy:

1. [1.1] ADAMI, Christoph - STEEG, Greg Ver. Black holes are almost optimal quantum cloners. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2015, vol. 48, no. 23, 23FT01., Registrované v: WOS
2. [1.1] AGARWAL, Girish - ALLEN, Roland E. - BEZDEKOVA, Iva - et al. Light, the universe and everything-12 Herculean tasks for quantum cowboys and black diamond skiers. In JOURNAL OF MODERN OPTICS. ISSN 0950-0340, 2018, vol. 65, no. 11, pp. 1261-1308., Registrované v: WOS

ADCA169 BUŽEK, Vladimír - ADAM, G. - DROBNÝ, Gabriel. Quantum state reconstruction and detection of quantum coherences on different observation levels. In *Physical Review A*, 1996, vol. 54, no. 1, p. 804-820. ISSN 1050-2947.

Ohlasy:

1. [1.1] COELHO, Antonio S. - COSTANZO, Luca S. - ZAVATTA, Alessandro - HUGHES, Catherine - KIM, M. S. - BELLINI, Marco. Universal Continuous-Variable State Orthogonalizer and Qubit Generator. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2016, vol. 116, no. 11, 110501., Registrované v: WOS
2. [1.1] GU, Xiu - KOCKUM, Anton Frisk - MIRANOWICZ, Adam - LIU, Yu-xi - NORI, Franco. Microwave photonics with superconducting quantum circuits. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS

LETTERS. ISSN 0370-1573, 2017, vol. 718, pp. 1-102., Registrované v: WOS
3. [1.1] PIMENTA, Hudson - JAMES, Daniel F. V.
Characteristic-function approach to the Jaynes-Cummings-model revivals. In
PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 94, no. 5, 053803.,
Registrované v: WOS

ADCA170 BUŽEK, Vladimír - DROBNÝ, Gabriel - DERKA, R. - ADAM, G. -
WIEDEMANN, H. Quantum state reconstruction from incomplete data. In *Chaos
Solitons and Fractals*, 1999, vol. 10, no. 6, p. 981-1074. ISSN 0960-0779.

Ohlasy:

1. [1.1] BOTELHO, Ludmila A. S. - VIANNA, Reinaldo O. Efficient
quantum tomography of two-mode Wigner functions. In EUROPEAN
PHYSICAL JOURNAL D. ISSN 1434-6060, 2020, vol. 74, no. 3, 42.,
Registrované v: WOS
2. [1.1] GONCALVES, D. S. - GOMES-RUGGIERO, M. A. - LAVOR,
C. A projected gradient method for optimization over density matrices. In
OPTIMIZATION METHODS & SOFTWARE. ISSN 1055-6788, 2016, vol. 31,
no. 2, pp. 328-341., Registrované v: WOS
3. [1.1] HANSON, Eric P. - DATTA, Nilanjana. Maximum and
minimum entropy states yielding local continuity bounds. In JOURNAL OF
MATHEMATICAL PHYSICS. ISSN 0022-2488, 2018, vol. 59, no. 4, 042204.,
Registrované v: WOS
4. [1.1] WEIS, Stephan. MAXIMUM-ENTROPY INFERENCE AND
INVERSE CONTINUITY OF THE NUMERICAL RANGE. In REPORTS ON
MATHEMATICAL PHYSICS. ISSN 0034-4877, 2016, vol. 77, no. 2, pp.
251-263., Registrované v: WOS

ADCA171 BUŽEK, Vladimír - DROBNÝ, Gabriel. Quantum tomography via the MaxEnt
principle. In *Journal of Modern Optics*, 2000, vol. 47, no. 14/15, p. 2823-2839.
(1999: 1.475 - IF). ISSN 0950-0340. Dostupné na:
<https://doi.org/10.1080/09500340008232199>

Ohlasy:

1. [1.1] DAI, Jibo - LEN, Yink Loong - NG, Hui Khoon. Initial
system-bath state via the maximum-entropy principle. In PHYSICAL REVIEW
A. ISSN 2469-9926, 2016, vol. 94, no. 5, 052112., Registrované v: WOS
2. [1.1] LOSADA, Marcelo - HOLIK, Federico - MASSRI, Cesar -
PLASTINO, Angelo. Solutions for the MaxEnt problem with symmetry
constraints. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755,
2019, vol. 18, no. 9, 293., Registrované v: WOS

ADCA172 BUŽEK, Vladimír - ADAM, G. - DROBNÝ, Gabriel. Reconstruction of
Wigner functions on different observation levels. In *Annals of Physics*, 1996, vol.
245, no. 1, p. 37-97. ISSN 0003-4916.

Ohlasy:

1. [1.1] MOJAVERI, B. - DEGHANI, A. - BAHRBEIG, R.
Jafarzadeh. Nonlinear coherent states of the para-Bose oscillator and their
non-classical features. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN
2190-5444, 2018, vol. 133, no. 12, 529., Registrované v: WOS
2. [1.2] DANESHMAND, R. - TAVASSOLY, M. K. Dynamics of
Nonclassicality of Time- and Conductivity-Dependent Squeezed States and

Excited Even/Odd Coherent States. In *Communications in Theoretical Physics*. ISSN 02536102, 2017, vol. 67, no. 4, pp. 365-376., Registrované v: SCOPUS
 3. [1.2] DE GOSSON, Maurice. Emergence of the quantum from the classical: Mathematical aspects of quantum processes. In *Emergence of the Quantum from the Classical: Mathematical Aspects of Quantum Processes*, 2017, pp. 1-285., Registrované v: SCOPUS

ADCA173 BUŽEK, Vladimír - DERKA, R. - ADAM, G. - KNIGHT, P.L. Reconstruction of quantum states of spin systems: From quantum Bayesian inference to quantum tomography. In *Annals of Physics*, 1998, vol. 266, no. 2, p. 454-496. ISSN 0003-4916. Dostupné na: <https://doi.org/10.1103/PhysRevA.99.012336>

Ohlasy:

1. [1.1] BRASIL, Carlos Alexandre - MOUSSA, Miled Hassan Youssef - NAPOLITANO, Reginaldo de Jesus. Phase-retrieval from Bohm's equations. In *EUROPEAN PHYSICAL JOURNAL PLUS*. ISSN 2190-5444, 2020, vol. 135, no. 12, 943., Registrované v: WOS
2. [1.1] DI MATTEO, Olivia - SANCHEZ-SOTO, Luis L. - LEUCHS, Gerd - GRASSL, Markus. Coarse graining the phase space of N qubits. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2017, vol. 95, no. 2, 022340., Registrované v: WOS
3. [1.1] FILIPPOV, Sergey N. Quantum dynamics intervened by repeated nonselective measurements. In *INTERNATIONAL JOURNAL OF QUANTUM INFORMATION*. ISSN 0219-7499, 2017, vol. 15, no. 8, SI., Registrované v: WOS
4. [1.1] GRANADE, Christopher - COMBES, Joshua - CORY, D. G. Practical Bayesian tomography. In *NEW JOURNAL OF PHYSICS*. ISSN 1367-2630, 2016, vol. 18, 033024., Registrované v: WOS
5. [1.1] CHAPARRO SOGAMOSO, Edwin C. - ANGULO, D. - FONSECA-ROMERO, K. M. Single plane minimal tomography of double slit qubits. In *OPTICS COMMUNICATIONS*. ISSN 0030-4018, 2017, vol. 398, pp. 44-48., Registrované v: WOS
6. [1.1] MANDARINO, Antonio - BINA, Matteo - PORTO, Carmen - CIALDI, Simone - OLIVARES, Stefano - PARIS, Matteo G. A. Assessing the significance of fidelity as a figure of merit in quantum state reconstruction of discrete and continuous-variable systems. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2016, vol. 93, no. 6, 062118., Registrované v: WOS
7. [1.1] MARTINEZ, D. - SOLIS-PROSSER, M. A. - CANAS, G. - JIMENEZ, O. - DELGADO, A. - LIMA, G. Experimental quantum tomography assisted by multiply symmetric states in higher dimensions. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2019, vol. 99, no. 1, 012336., Registrované v: WOS
8. [1.1] PUSEY, Matthew F. Robust preparation noncontextuality inequalities in the simplest scenario. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2018, vol. 98, no. 2, 022112., Registrované v: WOS
9. [1.1] THE TIEN MAI - ALQUIER, Pierre. Pseudo-Bayesian quantum tomography with rank-adaptation. In *JOURNAL OF STATISTICAL PLANNING AND INFERENCE*. ISSN 0378-3758, 2017, vol. 184, pp. 62-76., Registrované v: WOS

ADCA174 BUŽEK, Vladimír. Reconstruction of Liouvillian superoperators. In *Physical Review A*, 1998, vol. 58, no. 3, p. 1723-1727. ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.58.1723>

Ohlasy:

1. [1.1] BAIO, Giuseppe - CHRUSCINSKI, Dariusz - MESSINA, Antonino. A possible time-dependent generalization of the bipartite quantum marginal problem. In *JOURNAL OF RUSSIAN LASER RESEARCH*. ISSN 1071-2836, 2018, vol. 39, no. 5, pp. 422-437., Registrované v: WOS
2. [1.1] BEN AV, Eitan - SHAPIRA, Yotam - AKERMAN, Nitzan - OZERI, Roei. Direct reconstruction of the quantum-master-equation dynamics of a trapped-ion qubit. In *PHYSICAL REVIEW A*. ISSN 1050-2947, 2020, vol. 101, no. 6, 062305., Registrované v: WOS

ADCA175 BUŽEK, Vladimír - KEITEL, C.H. - KNIGHT, P.L. Sampling entropies and operational phase-space measurement. 1. - General formalism. In *Physical Review A*, 1995, vol. 51, no. 3, p. 2575-2593. ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.51.2575>

Ohlasy:

1. [1.1] ABDEL-KHALEK, S. - BERRADA, K. - ALKHATEEB, Sadah. Quantum correlations between each two-level system in a pair of atoms and general coherent fields. In *Results in Physics*. ISSN 2211-3797, 2016, vol. 6, no., pp. 780-788., Registrované v: WOS
2. [1.1] ABDEL-KHALEK, S. - BERRADA, K. - ALKHATEEB, Sadah A. Measures of nonclassicality for a two-level atom interacting with power-law potential field under decoherence effect. In *LASER PHYSICS*. ISSN 1054-660X, 2016, vol. 26, no. 9, 095201., Registrované v: WOS
3. [1.1] BOSE, Soumyakanti. Wehrl-entropy-based quantification of nonclassicality for single-mode quantum optical states. In *JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL*. ISSN 1751-8113, 2019, vol. 52, no. 2, 025303., Registrované v: WOS
4. [1.1] COHEN, Doron - YUKALOV, Vyacheslav I. - ZIEGLER, Klaus. Hilbert-space localization in closed quantum systems. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2016, vol. 93, no. 4, 042101., Registrované v: WOS
5. [1.1] GOES, Bruno O. - FIORE, Carlos E. - LANDI, Gabriel T. Quantum features of entropy production in driven-dissipative transitions. In *PHYSICAL REVIEW RESEARCH*, 2020, vol. 2, no. 1, 013136., Registrované v: WOS
6. [1.1] GOES, B. O. - LANDI, G. T. - SOLANO, E. - SANZ, M. - CELERI, L. C. Wehrl entropy production rate across a dynamical quantum phase transition. In *PHYSICAL REVIEW RESEARCH*, 2020, vol. 2, no. 3, 033419., Registrované v: WOS
7. [1.1] HEESE, Raoul - FREYBERGER, Matthias. Entropic uncertainty bound for open pointer-based simultaneous measurements of conjugate observables. In *JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL*. ISSN 1751-8113, 2015, vol. 48, no. 13, 135304., Registrované v: WOS
8. [1.1] MISTA, Ladislav - TATHAM, Richard. Gaussian Intrinsic Entanglement. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2016, vol. 117, no. 24, 240505., Registrované v: WOS

9. [1.1] MOHAMED, Abdel-Baset A. - ELEUCH, Hichem. Wehrl Information and Mixedness of a Cooper-pair Box Coupled to a Cavity in a Thermal Reservoir. In JOURNAL OF THE KOREAN PHYSICAL SOCIETY. ISSN 0374-4884, 2016, vol. 68, no. 4, pp. 513-519., Registrované v: WOS
10. [1.1] RAHIMI-KESHARI, Saleh - RALPH, Timothy C. - CAVES, Carlton M. Operational discord measure for Gaussian states with Gaussian measurements. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2015, vol. 17, 063037., Registrované v: WOS
11. [1.1] RUNDLE, R. P. - TILMA, Todd - SAMSON, J. H. - DWYER, V. M. - BISHOP, R. F. - EVERITT, M. J. General approach to quantum mechanics as a statistical theory. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 99, no. 1, 012115., Registrované v: WOS
12. [1.1] SANTOS, Jader P. - CELERI, Lucas C. - BRITO, Frederico - LANDI, Gabriel T. - PATERNOSTRO, Mauro. Spin-phase-space-entropy production. In PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 97, no. 5, 052123., Registrované v: WOS

ADCA176 BUŽEK, Vladimír - KEITEL, C.H. - KNIGHT, P.L. Sampling entropies and operational phase-space measurement. 2. Detection of quantum coherences. In *Physical Review A*, 1995, vol. 51, no. 3, p. 2594-2601. ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.51.2594>

Ohlasy:

1. [1.1] COHEN, Doron - YUKALOV, Vyacheslav I. - ZIEGLER, Klaus. Hilbert-space localization in closed quantum systems. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 93, no. 4, 042101., Registrované v: WOS
2. [1.1] DODONOV, V. V. - VALVERDE, C. - SOUZA, L. S. - BASEIA, B. Decoherence of odd compass states in the phase-sensitive amplifying/dissipating environment. In ANNALS OF PHYSICS. ISSN 0003-4916, 2016, vol. 371, no., pp. 296-312., Registrované v: WOS
3. [1.1] CHAKRABARTI, R. - JENISHA, B. Virgin. Quasi-Bell states in a strongly coupled qubit-oscillator system and their delocalization in the phase space. In PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS. ISSN 0378-4371, 2015, vol. 435, pp. 95., Registrované v: WOS
4. [1.1] CHAKRABARTI, R. - YOGESH, V. Evolution of a hybrid micro-macro entangled state of the qubit-oscillator system via the generalized rotating wave approximation. In JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS. ISSN 0953-4075, 2016, vol. 49, no. 7, 075502., Registrované v: WOS
5. [1.1] CHAKRABARTI, R. - YOGESH, V. Nonclassicality and decoherence of photon-added squeezed coherent Schrodinger kitten states in a Kerr medium. In PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS. ISSN 0378-4371, 2018, vol. 490, pp. 886-903., Registrované v: WOS
6. [1.1] KOCZOR, Balint - ZEIER, Robert - GLASER, Steffen J. Continuous phase-space representations for finite-dimensional quantum states and their tomography. In PHYSICAL REVIEW A. ISSN 2469-9926, 2020, vol. 101, no. 2, 022318., Registrované v: WOS
7. [1.1] SANTOS, Jader P. - CELERI, Lucas C. - BRITO, Frederico -

LANDI, Gabriel T. - PATERNOSTRO, Mauro. Spin-phase-space-entropy production. In PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 97, no. 5, 052123., Registrované v: WOS

ADCA177 BUŽEK, Vladimír - MOYACESSA, H. - KNIGHT, P.L. - PHOENIX, S.J.D. Schrodinger-cat states in the resonant jaynes-cummings model-collapse and revival of oscillations of the photon-number distribution. In *Physical Review A*, 1992, vol. 45, no. p. 8190-8203. ISSN 1050-2947. Dostupné na:

<https://doi.org/10.1103/PhysRevA.45.8190>

Ohlasy:

1. [1.1] ABDALLA, M. Sebawe - KHALIL, E. M. - OBADA, A. S-F. Interaction between two SU (1,1) quantum systems and a two-level atom. In PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS. ISSN 0378-4371, 2016, vol. 454, no., pp. 99-109., Registrované v: WOS
2. [1.1] AGUILAR-LORETO, O. - ORDAZ-MENDOZA, B. E. Dynamics of a Generalized Two-mode Husimi Function in a Kerr Medium. In BRAZILIAN JOURNAL OF PHYSICS. ISSN 0103-9733, 2016, vol. 46, no. 1, pp. 10-19., Registrované v: WOS
3. [1.1] ASSEMAT, F. - GROSSO, D. - SIGNOLES, A. - FACON, A. - DOTSENKO, I - HAROCHE, S. - RAIMOND, J. M. - BRUNE, M. - GLEYZES, S. Quantum Rabi Oscillations in Coherent and in Mesoscopic Cat Field States. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 123, no. 14, 143605., Registrované v: WOS
4. [1.1] BAGHSHAHI, H. R. - TAVASSOLY, M. K. Dynamics of different entanglement measures of two three-level atoms interacting nonlinearly with a single-mode field. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2015, vol. 130, no. 3, 37., Registrované v: WOS
5. [1.1] BIRRITELLA, Richard - CHENG, Kezi - GERRY, Christopher C. Photon-number parity oscillations in the resonant Jaynes-Cummings model. In OPTICS COMMUNICATIONS. ISSN 0030-4018, 2015, vol. 354, pp. 286., Registrované v: WOS
6. [1.1] CORDERO, S. - NAHMAD-ACHAR, E. - CASTANOS, O. - LOPEZ-PENA, R. Dynamic generation of light states with discrete symmetries. In PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 97, no. 1, 013808., Registrované v: WOS
7. [1.1] DAI, Hao - FU, Shuangshuang - LUO, Shunlong. Atomic nonclassicality in the Jaynes-Cummings model. In PHYSICS LETTERS A. ISSN 0375-9601, 2020, vol. 384, no. 12, 126371., Registrované v: WOS
8. [1.1] DEHGhani, A. - MOJAVERI, B. - JAFARZADEH Bahrbeig, R. - VAEZ, M. Photon-added entangled Barut-Girardello coherent states: non-classicality and generation. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2020, vol. 135, no. 2., Registrované v: WOS
9. [1.1] HERMANN-AVIGLIANO, C. - CISTERNAS, N. - BRUNE, M. - RAIMOND, J.M. - SAAVEDRA, C. Scheme for efficient generation of mesoscopic field-state superposition in cavity QED. In PHYSICAL REVIEW A. ISSN 2469-9926, 2015, vol. 91, no. 1, 013815., Registrované v: WOS
10. [1.1] CHEN, Jiabao - KONSTANTINOV, Denis - MOLMER, Klaus. Adiabatic preparation of squeezed states of oscillators and large spin systems coupled to a two-level system. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 99, no. 1, 013803., Registrované v: WOS

11. [1.1] LIAO, Jie-Qiao - HUANG, Jin-Feng - TIAN, Lin. Generation of macroscopic Schrodinger-cat states in qubit-oscillator systems. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 93, no. 3, 033853., Registrované v: WOS
12. [1.1] LV, Dingshun - AN, Shuoming - UM, Mark - ZHANG, Junhua - ZHANG, Jing-Ning - KIM, M. S. - KIM, Kihwan. Reconstruction of the Jaynes-Cummings field state of ionic motion in a harmonic trap. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 95, no. 4, 043813., Registrované v: WOS
13. [1.1] MAREK, Petr - LACHMAN, Lukas - SLODICKA, Lukas - FILIP, Radim. Deterministic nonclassicality for quantum-mechanical oscillators in thermal states. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 94, no. 1, 013850., Registrované v: WOS
14. [1.1] MOHAMED, Abdel-Baset A. - ABDALLA, Mohamed Sebawe - OBADA, Abdel-Shafy F. Quantum effects due to the interaction between $Su(1,1)$ and $Su(2)$ quantum systems with damping. In EUROPEAN PHYSICAL JOURNAL D. ISSN 1434-6060, 2017, vol. 71, no. 9, 223., Registrované v: WOS
15. [1.1] MOHAMED, A.B. A. - ABDALLA, M. Sebawe - OBADA, A.S. F. The effect of damping on a quantum system containing a Kerr-like medium. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2018, vol. 133, no. 5, 190., Registrované v: WOS
16. [1.1] OBADA, A.S. F. - HANOURA, S. A. - EIEDA, A. A. Entanglement for a general formalism of a three-level atom in an Xi-configuration interacting nonlinearly with a non-correlated two-mode field. In OPTIK. ISSN 0030-4026, 2017, vol. 136, pp. 602-618., Registrované v: WOS
17. [1.1] OPATRNY, Tomas. Squeezing with classical Hamiltonians. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 92, no. 3, 033801., Registrované v: WOS

ADCA178 BUŽEK, Vladimír - DROBNÝ, Gabriel. Signal-pump entanglement in quantum K-photon down-conversion. In *Physical Review A*, 1993, vol. 47, no. 2, p. 1237-1246. ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.47.1237>

Ohlasy:

1. [1.1] SHEN, Y. - ASSAD, S. M. - GROSSE, N. B. - LI, X. Y. - REID, M. D. - LAM, P. K. Nonlinear Entanglement and its Application to Generating Cat States. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 114, no. 10, 100403., Registrované v: WOS
2. [1.1] VINTSKEVICH, S. V. - GRIGORIEV, D. A. - FILIPPOV, S. N. Effect of an incoherent pump on two-mode entanglement in optical parametric generation. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 5, 053811., Registrované v: WOS

ADCA179 BUŽEK, Vladimír - VIDIELLABARRANCO, A. - KNIGHT, P.L. Superpositions of coherent states- squeezing and dissipation. In *Physical Review A*, 1992, vol. 45, no. 9, p. 6570-6585. ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.45.6570>

Ohlasy:

1. [1.1] ADAM, P. - MOLNAR, E. - MOGYOROSI, G. - VARGA, A. - MECHLER, M. - JANSZKY, J. Construction of quantum states by special

- superpositions of coherent states. In PHYSICA SCRIPTA. ISSN 0031-8949, 2015, vol. 90, no. 7, 074021., Registrované v: WOS
2. [1.1] AFSHAR, Davood - ANBARAKI, Azam. Nonclassical properties and entanglement of superposition of two-mode separable nonlinear coherent states. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS. ISSN 0740-3224, 2016, vol. 33, no. 4, pp. 558-565., Registrované v: WOS
 3. [1.1] AFSHAR, Davood - MOTAMEDINASAB, Amin - ANBARAKI, Azam - JAFARPOUR, Mojtaba. Even and odd coherent states of supersymmetric harmonic oscillators and their nonclassical properties. In INTERNATIONAL JOURNAL OF MODERN PHYSICS B. ISSN 0217-9792, 2016, vol. 30, no. 7, 1650026., Registrované v: WOS
 4. [1.1] AGUERO, M. A. - BELYAEVA, T. L. - MORALES-LARA, L. - PENA-MORENO, R. - SERKIN, V. N. Higher-energy Schrodinger's cats and their transformation into the winking states. In OPTIK. ISSN 0030-4026, 2020, vol. 207, 164456., Registrované v: WOS
 5. [1.1] AHMAD, Muhammad Ashfaq - AZAM, Sehrish - ASLAM, Samia - BUKHARI, Syed Hamad - JAMIL, Ayesha - MUSTAFA, Faiza - KHAN, Salman Naeem. Higher order squeezing as a measure of nonclassicality. In OPTIK. ISSN 0030-4026, 2016, vol. 127, no. 5, pp. 2992-2995., Registrované v: WOS
 6. [1.1] ALGARNI, M. - AL-GHAMDI, H. - ABDEL-KHALEK, S. Quantum Fisher information and nonclassical properties of a two-atom interacting with a radiation field in squeezed coherent states. In OPTICAL AND QUANTUM ELECTRONICS. ISSN 0306-8919, 2020, vol. 52, no. 5, 263., Registrované v: WOS
 7. [1.1] BELYAEVA, T. L. - SERKIN, V. N. Jumping up and down arbitrary-order excited Schrodinger's cats formally satisfying the Pauli exclusion principle. In OPTIK. ISSN 0030-4026, 2020, vol. 223, 165604., Registrované v: WOS
 8. [1.1] BELYAEVA, T. L. - SERKIN, V. N. Symmetries of Schrodinger's cats and a formal analogy with the Pauli exclusion principle for "jumping off cats". In OPTIK. ISSN 0030-4026, 2020, vol. 223., Registrované v: WOS
 9. [1.1] BELYAEVA, T. L. - SERKIN, V. N. Arbitrary-order even and odd winking states of excited Schrodinger's cats. In OPTIK. ISSN 0030-4026, 2020, vol. 219, 165192., Registrované v: WOS
 10. [1.1] CANOSA, N. - ROSSIGNOLI, R. - GARCIA, Javier - MANDAL, Swapan - SAHA, Kartick Chandra. Nonlinear effects on the dynamics of quantum harmonic modes coupled through angular momentum. In JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS. ISSN 0953-4075, 2020, vol. 53, no. 21, 215402., Registrované v: WOS
 11. [1.1] CITELI DE FREITAS, Miguel - DANTAS MEIRELES, Vitor - DODONOV, Viktor V. Minimal Products of Coordinate and Momentum Uncertainties of High Orders: Significant and Weak High-Order Squeezing. In ENTROPY, 2020, vol. 22, no. 9, 980., Registrované v: WOS
 12. [1.1] DIBAKAR, E. - KARIMI, A. - TAVASSOLY, M. K. Excitation and depletion of entangled squeezed states: their properties and generation. In PHYSICA SCRIPTA. ISSN 0031-8949, 2015, vol. 90, no. 8, 085102.,

Registrované v: WOS

13. [1.1] FAKHRI, H. - MOUSAVI-GHARALARI, S. E. Nonclassical properties of two families of q-coherent states in the Fock representation space of q-oscillator algebra. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2020, vol. 135, no. 2, 253., Registrované v: WOS

14. [1.1] FAKHRI, H. - SAYYAH-FARD, M. Noncommutative photon-added squeezed vacuum states. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2020, vol. 35, no. 20, 2050167., Registrované v: WOS

15. [1.1] FAKHRI, H. - SAYYAH-FARD, M. Triplet q-cat states of the Biedenharn-Macfarlane q-oscillator with $q > 1$. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2020, vol. 19, no. 1, 19., Registrované v: WOS

16. [1.1] HOROSHKO, D. B. - DE BIEVRE, S. - KOLOBOV, M. I. - PATERA, G. Entanglement of quantum circular states of light. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 93, no. 6, 062323., Registrované v: WOS

17. [1.1] CHUNG, Won Sang - HASSANABADI, Hassan. Truncated exponential polynomials and truncated coherent states. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2020, vol. 135, no. 7, 556., Registrované v: WOS

18. [1.1] CHUNG, Won Sang - HASSANABADI, Hassan. Two Mode Superposition of Truncated Coherent States: Entanglement and Non-Classical Properties. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2020, vol. 59, no. 4, pp. 1069-1080., Registrované v: WOS

19. [1.1] CHUNG, Won Sang. The generalized pair coherent states and the corresponding entangled coherent states. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION. ISSN 0219-7499, 2015, vol. 13, no. 8, 1550065., Registrované v: WOS

20. [1.1] JIANG, Li-ying - GUO, Qin - XU, Xue-xiang - CAI, Ming - YUAN, Wen - DUAN, Zheng-lu. Dynamics and nonclassical properties of an opto-mechanical system prepared in four-headed cat state and number state. In OPTICS COMMUNICATIONS. ISSN 0030-4018, 2016, vol. 369, no., pp. 179-188., Registrované v: WOS

21. [1.1] KARIMI, A. - TAVASSOLY, M. K. Deformed photon-added entangled squeezed vacuum and one-photon states: Entanglement, polarization, and nonclassical properties. In CHINESE PHYSICS B. ISSN 1674-1056, 2016, vol. 25, no. 4, 040303., Registrované v: WOS

22. [1.1] KOZLOVSKII, A. V. A rigorous uncertainty relation (Cauchy Inequality) for an electromagnetic field in quantum superpositions of coherent states and in a two-photon coherent state. In OPTICS AND SPECTROSCOPY. ISSN 0030-400X, 2016, vol. 120, no. 4, pp. 596-604., Registrované v: WOS

23. [1.1] KOZLOVSKII, A. V. Electromagnetic field fluctuations and uncertainty relation for general quantum superpositions of coherent states. In JOURNAL OF MODERN OPTICS. ISSN 0950-0340, 2016, vol. 63, no. 21, pp. 2356-2366., Registrované v: WOS

24. [1.1] KUMAR, Pankaj - KUMAR, Rakesh - PRAKASH, Hari. Simultaneous higher-order Hong-Mandel's squeezing and higher-order sub-Poissonian photon statistics in superposed coherent states. In OPTIK. ISSN 0030-4026, 2016, vol. 127, no. 11, pp. 4826-4830., Registrované v: WOS

25. [1.1] LOPEZ-SALDIVAR, Julio A. General superposition states associated to the rotational and inversion symmetries in the phase space. In

- PHYSICA SCRIPTA. ISSN 0031-8949, 2020, vol. 95, no. 6, 065206.,
Registrované v: WOS
26. [1.1] LUO, Shunlong - ZHANG, Yue. Quantumness of Bosonic Field States. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2020, vol. 59, no. 1, pp. 206-217., Registrované v: WOS
27. [1.1] OTHMAN, Anas. The Superposition of Two Identical States: The Empty State. In 2016 PHOTONICS NORTH (PN), 2016 ., Registrované v: WOS
28. [1.1] PENA-MORENO, R. - AGUERO, M. A. - BELYAEVA, T. L. - MORALES-LARA, L. - SERKIN, V. N. Schrodinger's cat states and their nonlinear solitonic analogues. In OPTIK. ISSN 0030-4026, 2020, vol. 205, 164211., Registrované v: WOS
29. [1.1] RAFFAH, Bahaaudin Mohammadnoor - ABDEL-KHALEK, S. Quantum phase and nonclassical properties of a two qubits interacting with a radiation field in PACS-PHO. In OPTIK. ISSN 0030-4026, 2020, vol. 221, 165225., Registrované v: WOS
30. [1.1] RATHORE, Meghna - DHAYAL, Renu - VENKATARATNAM, K. K. Oscillating inflaton power-law cosmology in two-mode quantum optical states. In INTERNATIONAL JOURNAL OF MODERN PHYSICS D. ISSN 0218-2718, 2020, vol. 29, no. 5, 2050035., Registrované v: WOS
31. [1.1] RAUSSENDORF, Robert - BERMEJO-VEGA, Juani - TYHURST, Emily - OKAY, Cihan - ZUREL, Michael. Phase-space-simulation method for quantum computation with magic states on qubits. In PHYSICAL REVIEW A. ISSN 2469-9926, 2020, vol. 101, no. 1, 012350., Registrované v: WOS
32. [1.1] SIVAKUMAR, S. Superposed coherent states improve fidelity of NOON states generated in post-selection. In CANADIAN JOURNAL OF PHYSICS. ISSN 0008-4204, 2015, vol. 93, no. 4, pp. 373., Registrované v: WOS
33. [1.1] TEH, R. Y. - SUN, F-X - POLKINGHORNE, R. E. S. - HE, Q. Y. - GONG, Q. - DRUMMOND, P. D. - REID, M. D. Dynamics of transient cat states in degenerate parametric oscillation with and without nonlinear Kerr interactions. In PHYSICAL REVIEW A. ISSN 2469-9926, 2020, vol. 101, no. 4, 043807., Registrované v: WOS
34. [1.1] VASIL'EV, Peter P. - PENTY, Richard. Wigner function and photon number distribution of a superradiant state in semiconductor heterostructures. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2020, vol. 22, no. 8, 083046., Registrované v: WOS
35. [1.1] WANG, Zhongjie - SU, Yuanjie. Nonclassical properties of photon-added q-deformed cat states. In OPTIK. ISSN 0030-4026, 2020, vol. 201, 163478., Registrované v: WOS
36. [1.1] WU, Pan-Pan - SHAN, Chuan-Jia - LIU, Tang-Kun. Entanglement Properties of Entangled Coherent State in Symmetrical Phase Space Interacting with Entangled Atoms. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2015, vol. 54, no. 4, pp. 1352., Registrované v: WOS
37. [1.1] XIANG, Cheng - XIANG, Shao-Hua - ZHAO, Yu-Jing. Non-classicality dynamics of Schrodinger cat states in a non-Markovian environment. In PHYSICA SCRIPTA. ISSN 0031-8949, 2020, vol. 95, no. 7, 075102., Registrované v: WOS

38. [1.1] XIANG, Shao-Hua - ZHAO, Yu-Jing - XIANG, Cheng - WEN, Wei - LONG, Xue-Wen. A method for efficiently estimating non-Gaussianity of continuous-variable quantum states. In EUROPEAN PHYSICAL JOURNAL D. ISSN 1434-6060, 2020, vol. 74, no. 1, 16., Registrované v: WOS
39. [1.1] ZHANG, Chun-zao - FAN, Hong-yi. Temperature Variation of Chaotic Optical Field in Quantum Dissipation Channel and Diffusion Channel. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2020, vol. 59, no. 7, pp. 2137-2146., Registrované v: WOS

ADCA180 BUŽEK, Vladimír. Su(1,1) squeezing of su(1,1) generalized coherent states. In *Journal of Modern Optics*, 1990, vol. 37, no. 3, p. 303-316. ISSN 0950-0340.
Dostupné na: <https://doi.org/10.1080/09500349014550371>

Ohlasy:

1. [1.1] BOSSINI, D. - DAL CONTE, S. - CERULLO, G. - GOMONAY, O. - PISAREV, R. - BOROVSAK, M. - MIHAJLOVIC, D. - SINOVA, J. - MENTINK, J. H. - RASING, Th - KIMEL, A. Laser-driven quantum magnonics and terahertz dynamics of the order parameter in antiferromagnets. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 100, no. 2, 024428., Registrované v: WOS
2. [1.1] CASTILLO-CELEITA, Miguel - DIAZ-BAUTISTA, Erik - FERNANDEZ C, David J. Polynomial Heisenberg algebras, multiphoton coherent states and geometric phases. In PHYSICA SCRIPTA. ISSN 0031-8949, 2019, vol. 94, no. 4, 045203., Registrované v: WOS
3. [1.1] DEHGHANI, Alireza - MOJAVERI, B. Semi-Cats: Nonclassicality and Generation. In JOURNAL OF RUSSIAN LASER RESEARCH. ISSN 1071-2836, 2018, vol. 39, no. 3, pp. 222-230., Registrované v: WOS
4. [1.1] DEHGHANI, A. - MOJAVERI, B. - SHIRIN, S. - SAEDI, M. Cat-states in the framework of Wigner-Heisenberg algebra. In ANNALS OF PHYSICS. ISSN 0003-4916, 2015, vol. 362, no., pp. 659., Registrované v: WOS
5. [1.1] DEHGHANI, A. - MOJAVERI, B. - SHIRIN, S. - FASEGHANDIS, S. Amiri. Parity Deformed Jaynes-Cummings Model: "Robust Maximally Entangled States". In SCIENTIFIC REPORTS. ISSN 2045-2322, 2016, vol. 6., Registrované v: WOS
6. [1.1] DEHGHANI, A. - MOJAVERI, B. - ALENABI, A. A. Excitation and depression of coherent state of the simple harmonic oscillator. In JOURNAL OF MATHEMATICAL PHYSICS. ISSN 0022-2488, 2019, vol. 60, no. 8, 083501., Registrované v: WOS
7. [1.1] DEHGHANI, A. - MOJAVERI, B. - FASEGHANDIS, S. Amiri. Photon added coherent states of the parity deformed oscillator. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2019, vol. 34, no. 14, 1950104., Registrované v: WOS
8. [1.1] DEHGHANI, A. - MOJAVERI, B. - BAHRBEIG, R. Jafarzadeh. "Near'-Cat States: Nonclassicality and Generation. In JOURNAL OF RUSSIAN LASER RESEARCH. ISSN 1071-2836, 2019, vol. 40, no. 2, pp. 121-131., Registrované v: WOS
9. [1.1] FAKHRI, H. - MOUSAVI-GHARALARI, S. E. Nonclassical properties of two families of q-coherent states in the Fock representation space of q-oscillator algebra. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2020, vol. 135, no. 2, 253., Registrované v: WOS

10. [1.1] FAKHRI, H. - SAYYAH-FARD, M. Noncommutative photon-added squeezed vacuum states. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2020, vol. 35, no. 20, 2050167., Registrované v: WOS
11. [1.1] MOJAVERI, B. - DEHGHANI, A. Even and odd Wigner negative binomial states: Nonclassical properties. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2015, vol. 30, no. 37, 1550198., Registrované v: WOS
12. [1.1] MONIR, Hadiyah Bint - IQBAL, Shahid. Construction and Properties of Photon-Added $su(1)$ Algebraic Squeezed States(dagger). In JOURNAL OF RUSSIAN LASER RESEARCH. ISSN 1071-2836, 2020, vol. 41, no. 1, pp. 1-10., Registrované v: WOS
13. [1.1] POPOV, Dusan - POPOV, Miodrag. Some operatorial properties of the generalized hypergeometric coherent states. In PHYSICA SCRIPTA. ISSN 0031-8949, 2015, vol. 90, no. 3, 035101., Registrované v: WOS
14. [1.1] TAVASSOLY, M.K.- HEKMATARA, H. Entanglement and other nonclassical properties. In COMMUNICATIONS IN THEORETICAL PHYSICS, 2015, vol. 64, p. 439-446., Registrované v: WOS
15. [1.1] VOLKOFF, T. J. Nonclassical properties and quantum resources of hierarchical photonic superposition states. In JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS. ISSN 1063-7761, 2015, vol. 121, no. 5, pp. 770., Registrované v: WOS
16. [1.1] WUENSCH, A. Quantum-mechanical cumulant expansions and their application to phase-space and to phase distributions. In PHYSICA SCRIPTA. ISSN 0031-8949, 2015, vol. 90, no. 7, 074063., Registrované v: WOS

ADCA181 BUŽEK, Vladimír. The jaynes-cummings model with a q-analog of a coherent state. In *Journal of Modern Optics*, 1992, vol. 39, no. 5, p. 949-959. ISSN 0950-0340. Dostupné na: <https://doi.org/10.1080/09500349214550981>

Ohlasy:

1. [1.1] ALTINTAS, Azmi Ali - OZAYDIN, Fatih - BAYINDIR, Cihan. q-Deformed three-level quantum logic. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2020, vol. 19, no. 8, 247., Registrované v: WOS
2. [1.1] BATOULI, J. - EL BAZ, M. - MAAOUNI, A. RLC circuit realization of a q-deformed harmonic oscillator with time dependent mass. In PHYSICS LETTERS A. ISSN 0375-9601, 2015, vol. 379, no. 28-29, pp. 1619., Registrované v: WOS
3. [1.1] BATOULI, J. - EL BAZ, M. - MAAOUNI, A. Optical properties of the superposition of q-deformed coherent states. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2016, vol. 31, no. 34, 1650190., Registrované v: WOS
4. [1.1] BATOULI, J. - EL BAZ, M. - MAAOUNI, A. - TAIBI, M. - BOULEZHAR, A. The Temperature Effect on the RLCq Circuit. In ACTA PHYSICA POLONICA A. ISSN 0587-4246, 2018, vol. 134, no. 2, pp. 488-492., Registrované v: WOS
5. [1.1] FAKHRI, Hossein - NOURADDINI, Mojtaba. From the Wigner-Eckart theorem to the Hilbert-Schmidt scalar product for an adjoint representation of the quantum algebra $U_{p,q}(su(2))$. In INTERNATIONAL JOURNAL OF GEOMETRIC METHODS IN MODERN PHYSICS. ISSN 0219-8878, 2016, vol. 13, no. 10, 1650127., Registrované v: WOS

6. [1.1] FAKHRI, H. - SAYYAH-FARD, M. q-coherent states associated with the noncommutative complex plane $C-q^2$ for the Biedenharn-Macfarlane q-oscillator. In ANNALS OF PHYSICS. ISSN 0003-4916, 2017, vol. 387, pp. 14-28., Registrované v: WOS
7. [1.1] FAKHRI, H. - SAYYAH-FARD, M. Nonclassical properties of the Arik-Coon $q(-1)$ -oscillator coherent states on the noncommutative complex plane $C-q$. In INTERNATIONAL JOURNAL OF GEOMETRIC METHODS IN MODERN PHYSICS. ISSN 0219-8878, 2017, vol. 14, no. 11, 1750165., Registrované v: WOS
8. [1.1] FAKHRI, H. - SAYYAH-FARD, M. Arik-Coon q-oscillator cat states on the noncommutative complex plane $Cq-1$ and their nonclassical properties. In INTERNATIONAL JOURNAL OF GEOMETRIC METHODS IN MODERN PHYSICS. ISSN 0219-8878, 2017, vol. 14, no. 4, 1750060., Registrované v: WOS
9. [1.1] FAKHRI, H. - SAYYAH-FARD, M. Noncommutative photon-added squeezed vacuum states. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2020, vol. 35, no. 20, 2050167., Registrované v: WOS
10. [1.1] HOU, Xu-Yang - HUANG, Xun - HE, Yan - GUO, Hao. q-deformed fermion in many-particle systems and its application to BCS theory. In JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT. ISSN 1742-5468, 2018, 123101., Registrované v: WOS
11. [1.1] HOU, Xu-Yang - YAN, H. - GUO, Hao. Thermostatistics of a q-deformed relativistic ideal Fermi gas. In JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT. ISSN 1742-5468, 2020, vol. 2020, no. 11, 113402., Registrované v: WOS
12. [1.1] MOJAVERI, B. - DEHGHANI, A. - FASIHI, M. A. - MOHAMMADPOUR, T. Thermal Entanglement Between Two Two-Level Atoms in a Two-Photon Jaynes-Cummings Model with an Added Kerr Medium. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2018, vol. 57, no. 11, pp. 3396-3409., Registrované v: WOS
13. [1.1] MOJAVERI, B. - DEHGHANI, A. - BAHRBEIG, R. Jafarzadeh. Enhancing entanglement of entangled coherent states via a f-deformed photon-addition operation. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2019, vol. 134, no. 9, 456., Registrované v: WOS
14. [1.1] MOJAVERI, B. - DEHGHANI, A. - FASIHI, M. A. - MOHAMMADPOUR, T. Ground state and thermal entanglement between two two-level atoms interacting with a nondegenerate parametric amplifier: Different sub-spaces. In INTERNATIONAL JOURNAL OF MODERN PHYSICS B. ISSN 0217-9792, 2019, vol. 33, no. 6, 1950035., Registrované v: WOS
15. [1.1] SARGOLZAEIPOR, Sepideh - HASSANABADI, Hassan - BOUMALI, Abdelmalek. Morse potential of the q-deformed in the Duffin-Kemmer-Petiau equation. In INTERNATIONAL JOURNAL OF GEOMETRIC METHODS IN MODERN PHYSICS. ISSN 0219-8878, 2017, vol. 14, no. 7, 1750112., Registrované v: WOS
16. [1.1] YAKABOYLU, E. - SHKOLNIKOV, M. - LEMESHKO, M. Quantum Groups as Hidden Symmetries of Quantum Impurities. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2018, vol. 121, no. 25, 255302., Registrované v: WOS

ADCA182 BUŽEK, Vladimír - KNIGHT, P.L. The origin of squeezing in a superposition of coherent states. In *Optics Communications*, 1991, vol. 81, no. 5, p. 331-336. ISSN 0030-4018. Dostupné na: [https://doi.org/10.1016/0030-4018\(91\)90626-O](https://doi.org/10.1016/0030-4018(91)90626-O)

Ohlasy:

1. [1.1] ADAM, P. - MOLNAR, E. - MOGYOROSI, G. - VARGA, A. - MECHLER, M. - JANSZKY, J. Construction of quantum states by special superpositions of coherent states. In *PHYSICA SCRIPTA*. ISSN 0031-8949, 2015, vol. 90, no. 7, 074021., Registrované v: WOS
2. [1.1] ALAM, Nasir - MANDAL, Kathakali - PATHAK, Anirban. Higher-Order Nonclassical Properties of a Shifted Symmetric Cat State and a One-Dimensional Continuous Superposition of Coherent States. In *INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS*. ISSN 0020-7748, 2018, vol. 57, no. 11, pp. 3443-3456., Registrované v: WOS
3. [1.1] BARNETT, Stephen M. - BEIGE, Almut - EKERT, Artur - et al. Journeys from quantum optics to quantum technology. In *PROGRESS IN QUANTUM ELECTRONICS*. ISSN 0079-6727, 2017, vol. 54, SI, pp. 19-45., Registrované v: WOS
4. [1.1] FAKHRI, H. - MOUSAVI-GHARALARI, S. E. Nonclassical properties of two families of q-coherent states in the Fock representation space of q-oscillator algebra. In *EUROPEAN PHYSICAL JOURNAL PLUS*. ISSN 2190-5444, 2020, vol. 135, no. 2, 253., Registrované v: WOS
5. [1.1] FAKHRI, H. - SAYYAH-FARD, M. Noncommutative photon-added squeezed vacuum states. In *MODERN PHYSICS LETTERS A*. ISSN 0217-7323, 2020, vol. 35, no. 20, 2050167., Registrované v: WOS
6. [1.1] SHUKLA, Namrata - AKHTAR, Naeem - SANDERS, Barry C. Quantum tetrachotomous states: Superposition of four coherent states on a line in phase space. In *PHYSICAL REVIEW A*. ISSN 1050-2947, 2019, vol. 99, no. 6, 063813., Registrované v: WOS

ADCA183 BUŽEK, Vladimír - HILLERY, M. Universal optimal cloning of arbitrary quantum states: From qubits to quantum registers. In *Physical Review Letters*, 1998, vol. 81, no. 22, p. 5003-5006. (1997: 6.140 - IF, Current Contents - CCC). (1998 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Ohlasy:

1. [1.1] DE MARTINI, Francesco - SCIARRINO, Fabio. Twenty Years of Quantum State Teleportation at the Sapienza University in Rome. In *ENTROPY*, 2019, vol. 21, no. 8, 768., Registrované v: WOS
2. [1.1] FREYTES, H. - HOLIK, F. - BOSYK, G. M. - SERGIOLI, G. On an explicit representation of the ukasiewicz sum as a quantum operation. In *SOFT COMPUTING*. ISSN 1432-7643, 2019, vol. 23, no. 12, pp. 3999-4007., Registrované v: WOS
3. [1.1] GOU, Yi-Tao - SHI, Hai-Long - WANG, Xiao-Hui - LIU, Si-Yuan. Probabilistic resumable bidirectional quantum teleportation. In *QUANTUM INFORMATION PROCESSING*. ISSN 1570-0755, 2017, vol. 16, no. 11, UNSP 278., Registrované v: WOS
4. [1.1] GUO, Qi - ZHAI, Shuqin - CHENG, Liu-Yong - WANG, Hong-Fu - ZHANG, Shou. Counterfactual quantum cloning without transmitting any physical particles. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2017, vol. 96, no. 5, 052335., Registrované v: WOS
5. [1.1] HASHAGEN, Anna-Lena. UNIVERSAL ASYMMETRIC

QUANTUM CLONING REVISITED. In QUANTUM INFORMATION & COMPUTATION. ISSN 1533-7146, 2017, vol. 17, no. 9-10, pp. 747-778., Registrované v: WOS

6. [1.1] HAW, Jing Yan - ZHAO, Jie - DIAS, Josephine - ASSAD, Syed M. - BRADSHAW, Mark - BLANDINO, Remi - SYMUL, Thomas - RALPH, Timothy C. - LAM, Ping Koy. Surpassing the no-cloning limit with a heralded hybrid linear amplifier for coherent states. In NATURE COMMUNICATIONS. ISSN 2041-1723, 2016, vol. 7, 13222., Registrované v: WOS

7. [1.1] CHATTERJEE, Sourav - SAZIM, Sk - CHAKRABARTY, Indranil. Broadcasting of quantum correlations: Possibilities and impossibilities. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 93, no. 4, 042309., Registrované v: WOS

8. [1.1] JAIN, Aditya - CHAKRABARTY, Indranil - CHATTERJEE, Sourav. Asymmetric broadcasting of quantum correlations. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 99, no. 2, 022315., Registrované v: WOS

9. [1.1] KHEIROLLAHI, Azam - MOHAMMADI, Hamidreza - AKHTARSHENAS, Seyed Javad. Two-qubit quantum cloning machine and quantum correlation broadcasting. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 94, no. 5, 052107., Registrované v: WOS

10. [1.1] KUMAGAI, Wataru - HAYASHI, Masahito. Second-Order Asymptotics of Conversions of Distributions and Entangled States Based on Rayleigh-Normal Probability Distributions. In IEEE TRANSACTIONS ON INFORMATION THEORY. ISSN 0018-9448, 2017, vol. 63, no. 3, pp. 1829-1857., Registrované v: WOS

11. [1.1] LIANG, Yeong-Cherng - YEH, Yu-Hao - MENDONCA, Paulo E. M. F. - TEH, Run Yan - REID, Margaret D. - DRUMMOND, Peter D. Quantum fidelity measures for mixed states. In REPORTS ON PROGRESS IN PHYSICS. ISSN 0034-4885, 2019, vol. 82, no. 7, 076001., Registrované v: WOS

12. [1.1] LORENZO, S. - APOLLARO, T. J. G. - PAGANELLI, S. - PALMA, G. M. - PLASTINA, F. Transfer of arbitrary two-qubit states via a spin chain. In PHYSICAL REVIEW A. ISSN 2469-9926, 2015, vol. 91, no. 4, 042321., Registrované v: WOS

13. [1.1] LUO, Ming-Xing - LI, Hui-Ran - LAI, Hong - WANG, Xiaojun. Unified quantum no-go theorems and transforming of quantum pure states in a restricted set. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2017, vol. 16, no. 12, UNSP 297., Registrované v: WOS

14. [1.1] MEHRI-TOONABI, Ali - DARAREH, Mahdi Davoudi - JANBAZ, Shahrooz. High-dimensional quantum key distribution using polarization-phase encoding: security analysis. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION. ISSN 0219-7499, 2020, vol. 18, no. 6, 2050031., Registrované v: WOS

15. [1.1] MUNDRA, Rounak - PATEL, Dhruvil - CHAKRABARTY, Indranil - GANGULY, Nirman - CHATTERJEE, Sourav. Broadcasting of quantum correlations in qubit-qudit systems. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 4, 042319., Registrované v: WOS

16. [1.1] PENG, Li-Chao - WU, Dian - ZHONG, Han-Sen - LUO, Yi-Han - LI, Yuan - HU, Yi - JIANG, Xiao - CHEN, Ming-Cheng - LI, Li - LIU, Nai-Le - NEMOTO, Kae - MUNRO, William J. - SANDERS, Barry C. - LU, Chao-Yang - PAN, Jian-Wei. Cloning of Quantum Entanglement. In PHYSICAL

REVIEW LETTERS. ISSN 0031-9007, 2020, vol. 125, no. 21, 210502.,
Registrované v: WOS

17. [1.1] REDDY, Anirudh - SAMUEL, Joseph - SINHA, Supurna. A physical perspective on classical cloning. In PHYSICS LETTERS A. ISSN 0375-9601, 2019, vol. 383, no. 27, UNSP 125846., Registrované v: WOS

18. [1.1] ROA, Luis - GROISEAU, Caspar. Probabilistic teleportation without loss of information. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 91, no. 1, 012344., Registrované v: WOS

19. [1.1] SAZIM, Sk - AGRAWAL, Pankaj. Quantum mutual information and quantumness vectors for multiqubit systems. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2020, vol. 19, no. 8, 216., Registrované v: WOS

20. [1.1] SHUKLA, Manish Kumar - CHAKRABARTY, Indranil - CHATTERJEE, Sourav. Broadcasting of entanglement via orthogonal and non-orthogonal state-dependent cloners. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2020, vol. 19, no. 1, 15., Registrované v: WOS

21. [1.1] WANG, Zhan-Yun - GOU, Yi-Tao - HOU, Jin-Xing - CAO, Li-Ke - WANG, Xiao-Hui. Probabilistic Resumable Quantum Teleportation of a Two-Qubit Entangled State. In ENTROPY, 2019, vol. 21, no. 4, 352., Registrované v: WOS

22. [1.1] WEN, Jing-Ji - YEON, Kyu-Hwang - DU, Xin - LV, Jia - WANG, Ming - WANG, Hong-Fu - ZHANG, Shou. Implementing of Quantum Cloning with Spatially Separated Quantum Dot Spins. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2016, vol. 55, no. 7, pp. 3088-3096., Registrované v: WOS

23. [1.1] XIE, Wei - FANG, Kun - WANG, Xin - DUAN, Runyao. Approximate broadcasting of quantum correlations. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 96, no. 2, 022302., Registrované v: WOS

24. [1.1] YEROKHIN, V. - SHEHU, A. - FELDMAN, E. - BAGAN, E. - BERGOU, J. A. Probabilistically Perfect Cloning of Two Pure States: Geometric Approach. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2016, vol. 116, no. 20, 200401., Registrované v: WOS

25. [1.1] ZHANG, Shi-Jun - ZHANG, Wen-Hai. Optimal economical telecloning of equatorial qubits. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2020, vol. 19, no. 8, 219., Registrované v: WOS

ADCA184 BUŽEK, Vladimír - HILLERY, M. - WERNER, R. Universal-NOT gate. In *Journal of Modern Optics*, 2000, vol. 47, no. 2-3, p. 211-232. (1999: 1.475 - IF). ISSN 0950-0340.

Ohlasy:

1. [1.1] BANG, Jeongho - RYU, Junghee - KASZLIKOWSKI, Dagomir. Fidelity deviation in quantum teleportation. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2018, vol. 51, no. 13, 135302., Registrované v: WOS

2. [1.1] MEHER, Nilakantha. A proposal for the implementation of quantum gates in an optomechanical system via phonon blockade. In JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS. ISSN 0953-4075, 2019, vol. 52, no. 20, 205502., Registrované v: WOS

3. [1.1] MINH CONG TRAN - ZUPPARDO, Margherita - DE ROSIER,

Anna - KNIPS, Lukas - LASKOWSKI, Wieslaw - PATEREK, Tomasz - WEINFURTER, Harald. Genuine N-partite entanglement without N-partite correlation functions. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2017, vol. 95, no. 6, 062331., Registrované v: WOS

4. [1.1] ROSATI, Matteo - GIOVANNETTI, Vittorio. Asymmetric information capacities of reciprocal pairs of quantum channels. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2018, vol. 97, no. 5, 052318., Registrované v: WOS

5. [1.1] SCHWEMMER, Christian - KNIPS, Lukas - MINH CONG TRAN - DE ROSIER, Anna - LASKOWSKI, Wieslaw - PATEREK, Tomasz - WEINFURTER, Harald. Genuine Multipartite Entanglement without Multipartite Correlations. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2015, vol. 114, no. 18, 180501., Registrované v: WOS

ADCA185 BUŽEK, Vladimír - KNIGHT, P.L. - KUDRYAVTSEV, I.K. 3-level atoms in phase-sensitive broad-band correlated reservoirs. In *Physical Review A*, 1991, vol. 44, no. 3, p. 1931-1947. ISSN 1050-2947.

Ohlasy:

1. [1.1] JUN, Jin Woo. Single-Photon Entanglement Purification Procedure in a Squeezed Generalized Amplitude Damping Channel. In *JOURNAL OF THE KOREAN PHYSICAL SOCIETY*. ISSN 0374-4884, 2015, vol. 67, no. 5, pp. L771., Registrované v: WOS

2. [1.1] WANG, Fei - XU, Jun. Two-dimensional atom localization induced by a squeezed vacuum. In *CHINESE PHYSICS B*. ISSN 1674-1056, 2016, vol. 25, no. 10, 104201., Registrované v: WOS

ADCA186 BYDZOVSKY, J. - KRAUS, L. - ŠVEC, Peter - PASQUALE, M. Magnetoelastic strain sensors for outdoor application. In *Journal of Magnetism and Magnetic Materials*, 2004, vol. 272, suppl. 1, e1743-E1745. (2003: 0.910 - IF, Current Contents - CCC). (2004 - Current Contents, WOS, SCOPUS). ISSN 0304-8853.

Ohlasy:

1. [1.1] NOWICKI, M. - KACHNIARZ, M. - JUS, A. - CHARUBIN, T. - RADZIKOWSKA-JUS, W. Magnetic Amorphous Micro-Force Sensor. In *ACTA PHYSICA POLONICA A*. ISSN 0587-4246, 2017, vol. 131, no. 4, pp. 1180-1182., Registrované v: WOS

ADCA187 BYDŽOVSKÝ, J. - KRAUS, L. - ŠVEC, Peter - PASQUALE, Massimo - KOLLÁR, M. Strain sensors based on stress-annealed Co₆₉Fe₂Cr₇Si₈B₁₄ amorphous ribbons. In *Sensors and Actuators A*, 2004, vol. 110, no. 1-3, p. 82-86. ISSN 0925-4005. Dostupné na: <https://doi.org/10.1016/j.sna.2003.09.042>

Ohlasy:

1. [1.1] GRISHIN, A. M. - IGNAKHIN, V. S. - LUGOVSKAYA, L. A. - OSAULENKO, R. N. - SEKIRIN, I. Crystallization kinetics and magnetostriction properties of amorphous Fe_{80-x}Co_xP₁₄B₆ metallic glasses. In *JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS*. ISSN 0304-8853, 2020, vol. 512, 166972., Registrované v: WOS

2. [1.1] IGNAKHIN, V. S. - SEVERIKOV, V. S. - GRISHIN, A. M. Tensile and torsional strain gauge based on Fe₄₈Co₃₂P₁₄B₆ metallic glass. In *JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS*. ISSN

0304-8853, 2019, vol. 476, pp. 382-386., Registrované v: WOS

3. [1.1] NOSENKO, Anton - KYRYLCHUK, Vasyl V. - SEMEN'KO, Mykhailo P. - NOWICKI, Michal - MARUSENKOV, Andriy - MIKA, Taras M. - SEMYRGA, Oleksandr M. - ZELINSKA, Galyna M. - NOSENKO, Viktor K. Soft magnetic cobalt based amorphous alloys with low saturation induction. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2020, vol. 515, 167328., Registrované v: WOS

ADCA188 CAHA, Libor** - LANDAU, Zeph - NAGAJ, Daniel**. Clocks in Feynman's computer and Kitaev's local Hamiltonian: Bias, gaps, idling, and pulse tuning. In *Physical Review A*, 2018, vol. 97, no. 6, 062306. (2017: 2.909 - IF, Q1 - JCR, 1.288 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.97.062306>

Ohlasy:

1. [1.1] BAUSCH, Johannes. Classifying data using near-term quantum devices. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION. ISSN 0219-7499, 2018, vol. 16, no. 8, 1840001., Registrované v: WOS

2. [1.1] BAUSCH, Johannes. Perturbation Gadgets: Arbitrary Energy Scales from a Single Strong Interaction. In ANNALES HENRI POINCARÉ. ISSN 1424-0637, 2020, vol. 21, no. 1, pp. 81-114., Registrované v: WOS

3. [1.1] CIANI, A. - TERHAL, B. M. - DIVINCENZO, D. P. Hamiltonian quantum computing with superconducting qubits. In QUANTUM SCIENCE AND TECHNOLOGY. ISSN 2058-9565, 2019, vol. 4, no. 3, 035002., Registrované v: WOS

4. [1.1] DOOLEY, Shane - KELLS, Graham - KATSURA, Hosho - DORLAS, Tony C. Simulating quantum circuits by adiabatic computation: Improved spectral gap bounds. In PHYSICAL REVIEW A. ISSN 2469-9926, 2020, vol. 101, no. 4, 042302., Registrované v: WOS

5. [1.1] GHARIBIAN, Sevag - YIRKA, Justin. The complexity of simulating local measurements on quantum systems. In QUANTUM. ISSN 2521-327X, 2019, vol. 3., Registrované v: WOS

6. [1.1] GULBAHAR, Burhan. Quantum path computing: computing architecture with propagation paths in multiple plane diffraction of classical sources of fermion and boson particles. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2019, vol. 18, no. 6, 167., Registrované v: WOS

7. [1.1] CHAKRBOARTY, Shantanav - LUH, Kyle - ROLAND, Jeremie. How Fast Do Quantum Walks Mix? In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2020, vol. 124, no. 5, 050501., Registrované v: WOS

8. [1.1] JALOWIECKI, Konrad - WIECKOWSKI, Andrzej - GAWRON, Piotr - GARDAS, Bartłomiej. Parallel in time dynamics with quantum annealers. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2020, vol. 10, no. 1, 13534., Registrované v: WOS

ADCA189 CAMENZIND, Leon C. - YU, Luiqi - STAŇO, Peter - ZIMMERMAN, Jeremy D. - GOSSARD, Arthur C. - LOSS, Daniel - ZUMBÜHL, Dominik M.**. Hyperfine-phonon spin relaxation in a single-electron GaAs quantum dot. In *Nature Communications*, 2018, vol. 9, art. no. 3454. (2017: 12.353 - IF, Q1 - JCR, 6.582 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS,

SCOPUS). ISSN 2041-1723. Dostupné na:
<https://doi.org/10.1038/s41467-018-05879-x>

Ohlasy:

1. [1.1] AVDEEV, Ivan D. - SMIRNOV, Dmitry S. Hyperfine interaction in atomically thin transition metal dichalcogenides. In NANOSCALE ADVANCES. ISSN 2516-0230, 2019, vol. 1, no. 7, pp. 2624-2632., Registrované v: WOS
2. [1.1] BASU, Tuhin Shuvra - DIESCH, Simon - OBERGFELL, Manuel - DEMSAR, Jure - SCHEER, Elke. Energy scales and dynamics of electronic excitations in functionalized gold nanoparticles measured at the single particle level. In PHYSICAL CHEMISTRY CHEMICAL PHYSICS. ISSN 1463-9076, 2019, vol. 21, no. 25, pp. 13446-13452., Registrované v: WOS
3. [1.1] BOGAN, Alex - STUDENIKIN, Sergei - KORKUSINSKI, Marek - GAUDREAU, Louis - ZAWADZKI, Piotr - SACHRAJDA, Andy - TRACY, Lisa - RENO, John - HARGETT, Terry. Single hole spin relaxation probed by fast single-shot latched charge sensing. In COMMUNICATIONS PHYSICS. ISSN 2399-3650, 2019, vol. 2, 17., Registrované v: WOS
4. [1.1] BORJANS, F. - ZAJAC, D. M. - HAZARD, T. M. - PETTA, J. R. Single-Spin Relaxation in a Synthetic Spin-Orbit Field. In PHYSICAL REVIEW APPLIED. ISSN 2331-7019, 2019, vol. 11, no. 4, 044063., Registrované v: WOS
5. [1.1] CANDIDO, Denis R. - FLATTE, Michael E. - CARLOS EGUES, J. Blurring the Boundaries Between Topological and Nontopological Phenomena in Dots. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2018, vol. 121, no. 25, 256804., Registrované v: WOS
6. [1.1] DE ALMEIDA, A. J. Sousa - SECO, A. Marquez - VAN DEN BERG, T. - VAN DE VEN, B. - BRUIJNES, F. - AMITONOV, S. V. - ZWANENBURG, F. A. Ambipolar charge sensing of few-charge quantum dots. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 101, no. 20, 201301., Registrované v: WOS
7. [1.1] MALIK, Gul Faroz Ahmad - KHARADI, Mubashir Ahmad - KHANDAY, Farooq Ahmad - PARVEEN, Nusrat. Spin field effect transistors and their applications: A survey. In MICROELECTRONICS JOURNAL. ISSN 0026-2692, 2020, vol. 106, 104924., Registrované v: WOS
8. [1.1] MILADIC, Suzana - STIPSIC, Pavle - DOBARDZIC, Edib - MILIVOJEVIC, Marko. Electrical control of a spin qubit in InSb nanowire quantum dots: Strongly suppressed spin relaxation in high magnetic field. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 101, no. 15, 155307., Registrované v: WOS
9. [1.1] MILLS, A. R. - ZAJAC, D. M. - GULLANS, M. J. - SCHUPP, F. J. - HAZARD, T. M. - PETTA, J. R. Shuttling a single charge across a one-dimensional array of silicon quantum dots. In NATURE COMMUNICATIONS. ISSN 2041-1723, 2019, vol. 10, 1063., Registrované v: WOS
10. [1.1] PHILIPPOPOULOS, Pericles - CHESI, Stefano - CULCER, Dimitrie - COISH, W. A. Pseudospin-electric coupling for holes beyond the envelope-function approximation. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 102, no. 7, 075310., Registrované v: WOS
11. [1.1] QIU, Wei - CHEN, Ying-Jie - SUN, Yong - XIAO, Jing-Lin. The Optical Polaron Effect on the Coherent Time of a qubit in the RbCl Quantum

Dot with Two-Dimensional Pseudoharmonic Potential. In IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY TRANSACTION A-SCIENCE. ISSN 1028-6276, 2020, vol. 44, no. 4, pp. 1237-1240., Registrované v: WOS

12. [1.1] STIPSIC, Pavle - MILIVOJEVIC, Marko. Control of a spin qubit in a lateral GaAs quantum dot based on symmetry of gating potential. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 101, no. 16, 165302., Registrované v: WOS

13. [1.1] SZECHENYI, Gabor - PALYI, Andras. Parity-to-charge conversion for readout of topological Majorana qubits. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 101, no. 23, 235441., Registrované v: WOS

14. [1.1] WANG, Pengjie - HUANG, Ke - SUN, Jian - HU, Jingjin - FU, Hailong - LIN, Xi. Piezo-driven sample rotation system with ultra-low electron temperature. In REVIEW OF SCIENTIFIC INSTRUMENTS. ISSN 0034-6748, 2019, vol. 90, no. 2, 023905., Registrované v: WOS

15. [1.1] WEBER, Bent - HSUEH, Yu-Ling - WATSON, Thomas F. - LI, Ruoyu - HAMILTON, Alexander R. - HOLLENBERG, Lloyd C. L. - RAHMAN, Rajib - SIMMONS, Michelle Y. Spin-orbit coupling in silicon for electrons bound to donors. In NPJ QUANTUM INFORMATION. ISSN 2056-6387, 2018, vol. 4, 61., Registrované v: WOS

16. [1.1] ZHANG, Xin - HU, Rui-Zi - LI, Hai-Ou - JING, Fang-Ming - ZHOU, Yuan - MA, Rong-Long - NI, Ming - LUO, Gang - CAO, Gang - WANG, Gui-Lei - HU, Xuedong - JIANG, Hong-Wen - GUO, Guang-Can - GUO, Guo-Ping. Giant Anisotropy of Spin Relaxation and Spin-Valley Mixing in a Silicon Quantum Dot. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2020, vol. 124, no. 25, 257701., Registrované v: WOS

ADCA190 CAMENZIND, Leon C. - YU, Liuqi - STANO, Peter - ZIMMERMAN, Jeremy D. - GOSSARD, Arthur C. - LOSS, Daniel - ZUMBÜHL, Dominik M.**. Spectroscopy of Quantum Dot Orbitals with In-Plane Magnetic Fields. In *Physical Review Letters*, 2019, vol. 122, no. 20, 207701. (2018: 9.227 - IF, Q1 - JCR, 3.571 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.122.207701>

Ohlasy:

1. [1.1] NASERI, Amin - PENG, Shenglin - LUO, Wenchen - SIRKER, Jesko. Spin vortices and skyrmions of a single electron in inhomogeneous magnetic fields. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 101, no. 11, 115407., Registrované v: WOS

ADCA191 CAMPOSTRINI, M. - DI GIACOMO, A. - OLEJNÍK, Štefan. On the possibility of detecting gluon condensation from the spectra of heavy quarkonia. In *Zeitschrift für Physik C*, 1986, vol. 31, no. 4, p. 577-582. ISSN 1431-5858. Dostupné na: <https://doi.org/10.1007/BF01551081>

Ohlasy:

1. [1.1] D'ELIA, Massimo - MEGGIOLARO, Enrico - MESITI, Michele - NEGRO, Francesco. Gauge-invariant field-strength correlators for QCD in a magnetic background. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, 054017., Registrované v: WOS

ADCA192 CAN, Hava - ECEVIT, Fevzi Necati - ŠVEC, Peter Jr. - ŠVEC, Peter - TOPAL, Ugur**. The Sensing Characteristics of Ring-Core Fluxgate Sensors at Temperature Interval of -50 degrees C to +85 degrees C. In *IEEE Transactions on Magnetics*, 2018, vol. 54, no. 7, art. no. 4000706. (2017: 1.467 - IF, Q3 - JCR, 0.488 - SJR, Q2 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 0018-9464. Dostupné na: <https://doi.org/10.1109/TMAG.2018.2835771>

Ohlasy:

1. [1.1] JENG, Jen-Tzong - LU, Chih-Cheng - KU, Hsiang-Wei - HUANG, Bo-Rei - CHIA, Meng-Huan - XUAN THANG TRINH. Three-Axis Microfluxgate With a Fluxguide. In *IEEE TRANSACTIONS ON MAGNETICS*. ISSN 0018-9464, 2019, vol. 55, no. 7, 4000706., Registrované v: WOS

ADCA193 CAN, H. - ŠVEC, Peter Jr. - TANRISEVEN, S. - BYDZOVSKY, J. - BIRLIKSEVEN, C. - SOZERI, H. - ŠVEC, Peter - TOPAL, U. Optimizing the sensing performance of a single-rod fluxgate magnetometer using thin magnetic wires. In *Measurement Science and Technology*, 2015, vol. 26, no. 11, 115102. (2014: 1.433 - IF, Q2 - JCR, 0.704 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents). ISSN 0957-0233. Dostupné na: <https://doi.org/10.1088/0957-0233/26/11/115102>

Ohlasy:

1. [1.1] BARANOV, P. - KOLOMEYTSEV, A. - ZATONOV, I. Fluxgate sensor modeling. In *III INTERNATIONAL CONFERENCE COGNITIVE ROBOTICS*. ISSN 1757-8981, 2019, vol. 516, 012032., Registrované v: WOS

2. [1.1] CHARUBIN, Tomasz - NOWICKI, Michal - SZEWCZYK, Roman. Spectral Analysis of Matteucci Effect Based Magnetic Field Sensor. In *APPLIED PHYSICS OF CONDENSED MATTER (APCOM 2018)*. ISSN 0094-243X, 2018, vol. 1996, UNSP 020019., Registrované v: WOS

3. [1.1] MAZON, E. E. - SAMANO, A. H. - VILLARRUEL, J. - LOPEZ, Z. - KNAUTH, P. - CANO, M. E. Determining the Curie temperature by using the frequency tracker device of a resonant inverter. In *MEASUREMENT SCIENCE AND TECHNOLOGY*. ISSN 0957-0233, 2018, vol. 29, no. 7, 075902., Registrované v: WOS

4. [1.1] SHARIF, Nor Afandi - RAMLI, Rizaaddin - NUAWI, Mohd Zaki - MOHAMED, Abdullah Zawawi. Theory and Development of Magnetic Flux Leakage Sensor for Flaws Detection: A Review. In *JURNAL KEJURUTERAAN*. ISSN 0128-0198, 2020, vol. 32, no. 3, pp. 29-39., Registrované v: WOS

5. [1.1] ZHI, Shaotao - LEI, Chong - YANG, Zhen - FENG, Zhu - GUO, Lei - ZHOU, Yong. Effect of Field Annealing Induced Magnetic Anisotropy on the Performance of Meander-Core Orthogonal Fluxgate Sensor. In *PHYSICA STATUS SOLIDI A-APPLICATIONS AND MATERIALS SCIENCE*. ISSN 1862-6300, 2018, vol. 215, no. 21, 1800400., Registrované v: WOS

ADCA194 CAN, H. - ŠVEC, Peter Jr. - BUDŽOVSKY, J. - ŠVEC, Peter - SOZERI, H. - TOPAL, U.**. Systematic optimization of the sensing properties of ring-core fluxgate sensors with different core diameters and materials. In *Sensors and Actuators A-Physical*, 2017, vol. 255, p. 94-103. (2016: 2.499 - IF, Q1 - JCR, 0.787

- SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 0924-4247. Dostupné na: <https://doi.org/10.1016/j.sna.2017.01.013>

Ohlasy:

1. [1.1] ARPAIA, Pasquale - CAIAFA, Gianni - RUSSENSCHUCK, Stephan. An Iso-Perimetric Rotating-Coil Magnetometer. In 2018 IEEE SENSORS. ISSN 1930-0395, 2018, pp. 756-759., Registrované v: WOS
2. [1.1] ARPAIA, P. - BUZIO, M. - DE OLIVEIRA, R. - DIMARCO, J. - SEVERINO, G. A high-precision miniaturized rotating coil transducer for magnetic measurements. In SENSORS AND ACTUATORS A-PHYSICAL. ISSN 0924-4247, 2018, vol. 274, pp. 37-49., Registrované v: WOS
3. [1.1] HUANG, H. T. - GARU, P. - LI, C. H. - CHANG, W. C. - CHEN, B. W. - SUNG, S. Y. - LEE, C. M. - CHEN, J. Y. - HSIEH, T. F. - SHEU, W. J. - OUYANG, H. - WANG, W. C. - CHANG, C. R. - WANG, C. L. - HSU, M. S. - WEI, Z. H. Magnetoresistive Biosensors for Direct Detection of Magnetic Nanoparticle Conjugated Biomarkers on a Chip. In SPIN. ISSN 2010-3247, 2019, vol. 9, no. 2, 1940002., Registrované v: WOS

ADCA195 CAO, Y.D. - NAGAJ, Daniel. Perturbative gadgets without strong interactions. In *Quantum Information and Computation*, 2015, vol. 15, no. 13-14, p. 1197-1222. (2014: 1.393 - IF, Q2 - JCR, 0.803 - SJR, Q2 - SJR, Current Contents - CCC). (2015 - Current Contents). ISSN 1533-7146.

Ohlasy:

1. [1.1] ALBASH, Tameem - LIDAR, Daniel A. Adiabatic quantum computation. In REVIEWS OF MODERN PHYSICS. ISSN 0034-6861, 2018, vol. 90, no. 1, 015002., Registrované v: WOS
2. [1.1] BAUSCH, Johannes. Perturbation Gadgets: Arbitrary Energy Scales from a Single Strong Interaction. In ANNALES HENRI POINCARÉ. ISSN 1424-0637, 2020, vol. 21, no. 1, pp. 81-114., Registrované v: WOS
3. [1.1] BRAVYI, Sergey - HASTINGS, Matthew. On Complexity of the Quantum Ising Model. In COMMUNICATIONS IN MATHEMATICAL PHYSICS. ISSN 0010-3616, 2017, vol. 349, no. 1, pp. 1-45., Registrované v: WOS
4. [1.1] CAO, Yudong - KAIS, Sabre. EFFICIENT OPTIMIZATION OF PERTURBATIVE GADGETS. In QUANTUM INFORMATION & COMPUTATION. ISSN 1533-7146, 2017, vol. 17, no. 9-10, pp. 779-809., Registrované v: WOS
5. [1.1] MARVIAN, Milad - BRUN, Todd A. - LIDAR, Daniel A. Suppression of effective noise in Hamiltonian simulations. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 96, no. 5, 052328., Registrované v: WOS
6. [1.1] PASSARELLI, Gianluca - YIP, Ka-Wa - LIDAR, Daniel A. - NISHIMORI, Hidetoshi - LUCIGNANO, Procolo. Reverse quantum annealing of the p-spin model with relaxation. In PHYSICAL REVIEW A. ISSN 2469-9926, 2020, vol. 101, no. 2, 022331., Registrované v: WOS
7. [1.1] SUBASI, Yigit - JARZYNSKI, Christopher. Nonperturbative embedding for highly nonlocal Hamiltonians. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 94, no. 1, 012342., Registrované v: WOS

ADCA196 CAPONE, S. - MANERA, M.G. - TAURINO, A. - SICILIANO, P. - RELLA, R. - LUBY, Štefan - HOFBAUEROVÁ, Monika, Benkovičová - ŠIFFALOVÍČ,

Peter - MAJKOVÁ, Eva. Fe₃O₄/gamma-Fe₂O₃ nanoparticle multilayers deposited by the Langmuir-Blodgett technique for gas sensors application. In *Langmuir*, 2014, vol. 30, no. 4, p. 1190-1197. (2013: 4.384 - IF, Q1 - JCR, 1.895 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 0743-7463. Dostupné na: <https://doi.org/10.1021/la404542u>

Ohlasy:

1. [1.1] ADHIKARI, Menuka - ECHEVERRIA, Elena - RISICA, Gabrielle - MCILROY, David N. - NIPPE, Michael - VASQUEZ, Yolanda. Synthesis of Magnetite Nanorods from the Reduction of Iron Oxy-Hydroxide with Hydrazine. In ACS OMEGA. ISSN 2470-1343, 2020, vol. 5, no. 35, pp. 22440-22448., Registrované v: WOS
2. [1.1] BERTOCCI, Francesco - FORT, Ada - MUGNAINI, Marco - VIGNOLI, Valerio - BERTOLUCCI, Elisa - MARRACCI, Mirko - GALLETTI, Anna Maria Raspolli - TELLINI, Bernardo. Fast nano-grained Fe₃O₄ gas sensor for the control of CO and NO₂ concentrations. In 2016 IEEE METROLOGY FOR AEROSPACE (METROAEROSPACE), 2016, no. 7573228, pp. 286-290., Registrované v: WOS
3. [1.1] BHAUMIK, Madhumita - GUPTA, Vinod Kumar - MAITY, Arjun. Synergetic enhancement of Cr(VI) removal from aqueous solutions using polyaniline@Ni(OH)(2) nanocomposites adsorbent. In JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING. ISSN 2213-2929, 2018, vol. 6, no. 2, pp. 2514-2527., Registrované v: WOS
4. [1.1] BIAN, L. - NIE, J. - DONG, H. - et al. Self-Assembly of Water-Soluble Glutathione Thiol-Capped n-Hematite-p-XZn-Ferrites (X = Mg, Mn, or Ni): Experiment and Theory, In JOURNAL OF PHYSICAL CHEMISTRY C, 2017, vol. 121, no. 43, pp. 24046-24059., Registrované v: WOS
5. [1.1] CAO, Derang - LI, Hao - PAN, Lining - LI, Jianan - WANG, Xicheng - JING, Panpan - CHENG, Xiaohong - WANG, Wenjie - WANG, Jianbo - LIU, Qingfang. High saturation magnetization of gamma-Fe₂O₃ nano-particles by a facile one-step synthesis approach. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2016, vol. 6. Dostupné na: <https://doi.org/10.1038/srep32360>., Registrované v: WOS
6. [1.1] DEBNATH, CH. - SHIL, A. - HUSSAIN, S. A. - et al. Metal ion-induced H-aggregation of a water-soluble anionic dye Congo red (CR) in Langmuir-Blodgett (LB) film, In SUPRAMOLECULAR CHEMISTRY, 2017, vol. 29, no. 6, pp. 401-410., Registrované v: WOS
7. [1.1] ERDEMI, H. - BAYKAL, A. Dielectric properties of triethylene glycol-stabilized Mn₁-XZnXFe₂O₄ nanoparticles. In MATERIALS CHEMISTRY AND PHYSICS. ISSN 0254-0584, 2015, vol. 165, no., pp. 156-167. Dostupné na: <https://doi.org/10.1016/j.matchemphys.2015.09.011>., Registrované v: WOS
8. [1.1] HJIRI, M. - ZAHMOULI, N. - KHOUZAMI, K. - EL MIR, L. - AIDA, M. S. - MOULAEI, K. - LEMINE, O. M. - LEONARDI, S. G. - NERI, G. A comparison of NO₂ sensing characteristics of alpha- and gamma-iron oxide-based solid-state gas sensors. In APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING. ISSN 0947-8396, 2020, vol. 126, no. 10, 788., Registrované v: WOS
9. [1.1] HONG, Lin-Ru - CHAI, Ya-Qin - ZHAO, Min - LIAO, Ni - YUAN, Ruo - ZHUO, Ying. Highly efficient electrogenerated

- chemiluminescence quenching of PEI enhanced Ru(bpy)(3)(2+) nanocomposite by hemin and Au@CeO₂ nanoparticles. In *BIOSENSORS & BIOELECTRONICS*. ISSN 0956-5663, 2015, vol. 63, pp. 392-398. Dostupné na: <https://doi.org/10.1016/j.bios.2014.07.065>., Registrované v: WOS
10. [1.1] HONG, L.-R. - ZHAO, J. - LEI, Y.-M. - et al. Efficient Electrochemiluminescence from Ru(bpy)(3)(2+) Enhanced by Three-Layer Porous Fe₃O₄@SnO₂@Au Nanoparticles for Label-Free and Sensitive Bioanalysis, In *ELECTROCHIMICA ACTA*, 2017, vol. 241, pp. 291-298., Registrované v: WOS
11. [1.1] HUSSAIN, Syed Arshad - DEY, Bapi - BHATTACHARJEE, D. - MEHTA, N. Unique supramolecular assembly through Langmuir Blodgett (LB) technique. In *HELIYON*. ISSN 2405-8440, 2018, vol. 4, no. 12, pp., Registrované v: WOS
12. [1.1] CHEN, Xianjia - DENG, Ni - ZHANG, Xuanji - LI, Jing - YANG, Yanting - HONG, Bo - JIN, Dingfeng - PENG, Xiaoling - WANG, Xinqing - GE, Hongliang - JIN, Hongxiao. Cerium-doped indium oxide nanosphere arrays with enhanced ethanol-sensing properties. In *JOURNAL OF NANOPARTICLE RESEARCH*. ISSN 1388-0764, 2019, vol. 21, no. 4, 77., Registrované v: WOS
13. [1.1] JAZIREHPOUR, M. - EBRAHIMI, S. A. Seyyed. Carbothermally synthesized core-shell carbon-magnetite porous nanorods for high-performance electromagnetic wave absorption and the effect of the heterointerface. In *JOURNAL OF ALLOYS AND COMPOUNDS*. ISSN 0925-8388, 2015, vol. 639, pp. 280-288. Dostupné na: <https://doi.org/10.1016/j.jallcom.2015.03.160>., Registrované v: WOS
14. [1.1] JAZIREHPOUR, M. - EBRAHIMI, S. A. Seyyed. Effect of aspect ratio on dielectric, magnetic, percolative and microwave absorption properties of magnetite nanoparticles. In *JOURNAL OF ALLOYS AND COMPOUNDS*. ISSN 0925-8388, 2015, vol. 638, pp. 188-196. Dostupné na: <https://doi.org/10.1016/j.jallcom.2015.03.021>., Registrované v: WOS
15. [1.1] JAZIREHPOUR, M. - EBRAHIMI, S. A. Seyyed. Synthesis of magnetite nanostructures with complex morphologies and effect of these morphologies on magnetic and electromagnetic properties. In *CERAMICS INTERNATIONAL*. ISSN 0272-8842, 2016, vol. 42, no. 15, pp. 16512-16520. Dostupné na: <https://doi.org/10.1016/j.ceramint.2016.07.067>., Registrované v: WOS
16. [1.1] LEE, Jong-Heun. Technological realization of semiconducting metal oxide-based gas sensors. In *GAS SENSORS BASED ON CONDUCTING METAL OXIDES: BASIC UNDERSTANDING, TECHNOLOGY AND APPLICATIONS*, 2019, pp. 167-216., Registrované v: WOS
17. [1.1] LEE, Junhyung - KWAK, Seung-Yeop. Mn-Doped Maghemite (gamma-Fe₂O₃) from Metal-Organic Framework Accompanying Redox Reaction in a Bimetallic System: The Structural Phase Transitions and Catalytic Activity toward NO_x Removal. In *ACS OMEGA*. ISSN 2470-1343, 2018, vol. 3, no. 3, pp. 2634-2640., Registrované v: WOS
18. [1.1] LI, Na-Mei - LI, Kai-Min - WANG, Shun - YANG, Ke-Qin - ZHANG, Li-Jie - CHEN, Qing - ZHANG, Wei-Ming. Gold Embedded Maghemite Hybrid Nanowires and Their Gas Sensing Properties. In *ACS APPLIED MATERIALS & INTERFACES*. ISSN 1944-8244, 2015, vol. 7, no. 19, pp. 10534-10540. Dostupné na: <https://doi.org/10.1021/acsami.5b02087>.,

Registrované v: WOS

19. [1.1] LUPAN, O. - POSTICA, V. - WOLFF, N. - et al. Localized Synthesis of Iron Oxide Nanowires and Fabrication of High Performance Nanosensors Based on a Single Fe₂O₃ Nanowire, In SMALL, 2017, vol. 13, no. 16, UNSP 1602868., Registrované v: WOS

20. [1.1] MEDINA-PLAZA, C. - GARCIA-CABEZON, C. - GARCIA-HERNANDEZ, C. - BRAMORSKI, C. - BLANCO-VAL, Y. - MARTIN-PEDROSA, F. - KAWAI, T. - DE SAJA, J. A. - RODRIGUEZ-MENDEZ, M. L. Analysis of organic acids and phenols of interest in the wine industry using Langmuir-Blodgett films based on functionalized nanoparticles. In ANALYTICA CHIMICA ACTA. ISSN 0003-2670, 2015, vol. 853, pp. 572-578. Dostupné na: <https://doi.org/10.1016/j.aca.2014.10.046>., Registrované v: WOS

21. [1.1] MISRA, S. - KARAN, T. - RAM, S. Dynamics of Surface Spins in Small Core-Shell Magnets of Li_{0.35}Zn_{0.30}Fe_{2.35}O₄ Bonds over a Carbon Surface and Tailored Magnetic Properties. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2015, vol. 119, no. 40, pp. 23184-23195. Dostupné na: <https://doi.org/10.1021/acs.jpcc.5b04635>., Registrované v: WOS

22. [1.1] MOHTASEBI, Amirmasoud - CHOWDHURY, Tanzina - HSU, Leo H. H. - BIESINGER, Mark C. - KRUSE, Peter. Interfacial Charge Transfer between Phenyl-Capped Aniline Tetramer Films and Iron Oxide Surfaces. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2016, vol. 120, no. 51, pp. 29248-29263. Dostupné na: <https://doi.org/10.1021/acs.jpcc.6b09950>., Registrované v: WOS

23. [1.1] RAMU, Jagadish - MAHANTHAPPA, Mallappa - YELLAPPA, Shivaraj - CHANDRASEKHAR, Kothapalli Bannoth. gamma-Fe(2)O(3) nanoparticles modified glassy carbon electrode for the sensitive detection of folic acid. In MATERIALS RESEARCH EXPRESS. ISSN 2053-1591, 2019, vol. 6, no. 10, 105070., Registrované v: WOS

24. [1.1] RODRIGUES, Raul T. - MORAIS, Paulo V. - NORDI, Cristina S. F. - SCHOENING, Michael J. - SIQUEIRA, Jose R. - CASELI, Luciano. Carbon Nanotubes and Algal Polysaccharides To Enhance the Enzymatic Properties of Urease in Lipid Langmuir-Blodgett Films. In LANGMUIR. ISSN 0743-7463, 2018, vol. 34, no. 9, pp. 3082-3093., Registrované v: WOS

25. [1.1] ROY, Arup. Microwave-assisted synthesis of mesoporous gamma-Fe₂O₃ for dye removal. In MICRO & NANO LETTERS, 2020, vol. 15, no. 13, pp. 943-948., Registrované v: WOS

26. [1.1] SANGALE, Sushil S. - JADHAV, Vijaykumar V. - SHAIKH, Shoyebmohamad F. - SHINDE, Pritamkumar - GHULE, Balaji G. - RAUT, Siddheshwar D. - TAMBOLI, Mohaseen S. - AL-ENIZI, Abdullah M. - MANE, Rajaram S. Facile one-step hydrothermal synthesis and room-temperature NO₂ sensing application of alpha-Fe₂O₃ sensor. In MATERIALS CHEMISTRY AND PHYSICS. ISSN 0254-0584, 2020, vol. 246, 122799., Registrované v: WOS

27. [1.1] SHAKER, Masoumeh - ELHAMIFAR, Dawood. Core-shell structured magnetic mesoporous silica supported Schiff-base/Pd: an efficacious and reusable nanocatalyst. In NEW JOURNAL OF CHEMISTRY. ISSN 1144-0546, 2020, vol. 44, no. 8, pp. 3445-3454., Registrované v: WOS

28. [1.1] SHAO, Xintian - ZHANG, Jing - LI, Donghui - YUE, Jingli - CHEN, Zhenhua. Preparation of Fe₂O₃-Clorprenaline/Tetraphenylborate

Nanospheres and Their Application as Ion Selective Electrode for Determination of Clorprenaline in Pork. In NANOSCALE RESEARCH LETTERS. ISSN 1556-276X, 2016, vol. 11, 178. Dostupné na:

<https://doi.org/10.1186/s11671-016-1388-7>., Registrované v: WOS

29. [1.1] SHI, Xiaobing - CHU, Bingxian - WANG, Fan - WEI, Xiaoling - TENG, Lixia - FAN, Minguang - LI, Bin - DONG, Lihui - DONG, Lin.

Mn-Modified CuO, CuFe₂O₄, and gamma-Fe₂O₃ Three-Phase Strong Synergistic Coexistence Catalyst System for NO Reduction by CO with a Wider Active Window. In ACS APPLIED MATERIALS & INTERFACES. ISSN 1944-8244, 2018, vol. 10, no. 47, pp. 40509-40522., Registrované v: WOS

30. [1.1] STAVIS, Samuel M. - FAGAN, Jeffrey A. - STOPA, Michael - LIDDLE, J. Alexander. Nanoparticle Manufacturing Heterogeneity through Processes to Products. In ACS APPLIED NANO MATERIALS. ISSN 2574-0970, 2018, vol. 1, no. 9, pp. 4358-4385., Registrované v: WOS

31. [1.1] TANSKANEN, A. - KARPPINEN, M. Iron-based inorganic-organic hybrid and superlattice thin films by ALD/MLD. In DALTON TRANSACTIONS. ISSN 1477-9226, 2015, vol. 44, no. 44, pp. 19194-19199.

Dostupné na: <https://doi.org/10.1039/c5dt02488a>., Registrované v: WOS

32. [1.1] WANG, Mingjing - HOU, Tianyi - SHEN, Zhurui - ZHAO, Xiaodong - JI, Huiming. MOF-derived Fe₂O₃: Phase control and effects of phase composition on gas sensing performance. In SENSORS AND ACTUATORS B-CHEMICAL, 2019, vol. 292, pp. 171-179., Registrované v: WOS

33. [1.1] ZHANG, Hongwen - WANG, Yingying - ZHU, Xiaoguang - LI, Yue - CAI, Weiping. Bilayer Au nanoparticle-decorated WO₃ porous thin films: On-chip fabrication and enhanced NO₂ gas sensing performances with high selectivity. In SENSORS AND ACTUATORS B-CHEMICAL. ISSN 0925-4005, 2019, vol. 280, pp. 192-200., Registrované v: WOS

34. [1.1] ZHANG, Chengxin - ZHANG, Shuai - YANG, Ying - YU, Hui - DONG, Xiangting. Highly sensitive H₂S sensors based on metal-organic framework driven gamma-Fe₂O₃ on reduced graphene oxide composites at room temperature. In SENSORS AND ACTUATORS B-CHEMICAL, 2020, vol. 325, 128804., Registrované v: WOS

35. [1.1] ZHAO, Genyuan - LI, Jing - NIU, Xiaoran - TANG, Ke - WANG, Shuping - ZHU, Wenshuang - MA, Xueqin - RU, Miaoyan - YANG, Yanzhao. Facile synthesis of Mn-doped Fe₂O₃ nanostructures: enhanced CO catalytic performance induced by manganese doping. In NEW JOURNAL OF CHEMISTRY. ISSN 1144-0546, 2016, vol. 40, no. 4, pp. 3491-3498. Dostupné na: <https://doi.org/10.1039/c5nj03694a>., Registrované v: WOS

36. [1.1] ZOU, Cheng - HU, Jing - SU, Yanjie - ZHOU, Zhihua - CAI, Baofang - TAO, Zejun - HUO, Tingting - HU, Nantao - ZHANG, Yafei. Highly repeatable and sensitive three-dimensional gamma-Fe₂O₃@reduced graphene oxide gas sensors by magnetic-field assisted assembly process. In SENSORS AND ACTUATORS B-CHEMICAL, 2020, vol. 306, 127546., Registrované v: WOS

37. [1.2] ALSHAMSI, H. A. - HUSSEIN, B. S. Synthesis, characterization and photocatalysis of γ- Fe₂O₃ nanoparticles for degradation of cibacron brilliant yellow 3G-P. In ASIAN JOURNAL OF CHEMISRY, 2018, vol. 30, no. 2, pp. 273-279., Registrované v: SCOPUS

38. [1.2] JULKAPLI, S. N. M. - BAGHERI, S. Nanosensor in gas

monitoring: A review. In NANOTECHNOLOGY IN ENVIRONMENTAL SCIENCE, 2018, vol. 2, no. 2, pp. 443-472., Registrované v: SCOPUS

ADCA197 CAPONE, S.** - HOFBAUEROVÁ, Monika, Benkovičová - FORLEO, A. - JERGEL, Matej - MANERA, M.G. - ŠIFFALOVIČ, Peter - TAURINO, A. - MAJKOVÁ, Eva - SICILIANO, P. - VÁVRA, Ivo - LUBY, Štefan - RELLA, R. Palladium/gamma-Fe₂O₃ nanoparticle mixtures for acetone and NO₂ gas sensors. In *Sensors and Actuators B*, 2017, vol. 243, p. 895-903. (2016: 5.401 - IF, Q1 - JCR, 1.343 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 0925-4005. Dostupné na: <https://doi.org/10.1016/j.snb.2016.12.027>

Ohlasy:

1. [1.1] AMIRI, Vahid - ROSHAN, Hossein - MIRZAEI, Ali - NERI, Giovanni - AYESH, Ahmad I. Nanostructured Metal Oxide-Based Acetone Gas Sensors: A Review. In *SENSORS*, 2020, vol. 20, no. 11, 3096., Registrované v: WOS
2. [1.1] FARD, Shokooh Khalili - DARBARI, Sara - AHMADI, Vahid. Electro-Plasmonic Gas Sensing Based on Reduced Graphene Oxide/Ag Nanoparticle Heterostructure. In *IEEE SENSORS JOURNAL*. ISSN 1530-437X, 2018, vol. 18, no. 14, pp. 5770-5777., Registrované v: WOS
3. [1.1] FU, Xianwei - JIAO, Shilong - DONG, Ning - LIAN, Gang - ZHAO, Tianyu - LV, Song - WANG, Qilong - CUI, Deliang. A CH₃NH₃PbI₃ film for a room-temperature NO₂ gas sensor with quick response and high selectivity. In *RSC ADVANCES*. ISSN 2046-2069, 2018, vol. 8, no. 1, pp. 390-395., Registrované v: WOS
4. [1.1] GABA, Sonia - KUMAR, Ashok - RANA, Pawan S. - ARORA, Manju. Influence of La³⁺ ion doping on physical properties of magnesium nanoferrites for microwave absorption application. In *JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS*. ISSN 0304-8853, 2018, vol. 460, pp. 69-77., Registrované v: WOS
5. [1.1] GHOSH, Abhishek - ZHANG, Chen - SHI, Sheldon Q. - ZHANG, Haifeng. High-Temperature Gas Sensors for Harsh Environment Applications: A Review. In *CLEAN-SOIL AIR WATER*. ISSN 1863-0650, 2019, vol. 47, no. 8, 1800491., Registrované v: WOS
6. [1.1] HE, L. - LING, Z. Y. - WU, M. Y. - ZHANG, G. - LIU, S. Z. - ZHANG, S. Q. - LING, D. X. Thermal and humidity sensing behaviors of Mn_{1.85}Co_{0.3}Ni_{0.85}O₄ thin films: Effects of adjusting the surface morphology. In *APPLIED SURFACE SCIENCE*. ISSN 0169-4332, 2017, vol. 410, pp. 201-205., Registrované v: WOS
7. [1.1] CHUANG, Ming-Yen - LIN, Yu-Ting - TUNG, Ting-Wei - CHANG, Liang-Yu - ZAN, Hsiao-Wen - MENG, Hsin-Fei - LU, Chia-Jung - TAO, Yu-Tai. Room-temperature-operated organic-based acetone gas sensor for breath analysis. In *SENSORS AND ACTUATORS B-CHEMICAL*. ISSN 0925-4005, 2018, vol. 260, pp. 593-600., Registrované v: WOS
8. [1.1] LI, YuanKai - CHENG, Li - ZHANG, Xiao-Dong - GUO, Xin. Hierarchically-structured MnFe₂O₄ nanospheres for highly sensitive detection of NO₂. In *SOLID STATE IONICS*. ISSN 0167-2738, 2019, vol. 336, pp. 102-109., Registrované v: WOS
9. [1.1] LI, Zhijie - YAN, Shengnan - SUN, Mengxuan - LI, Hao - WU, Zhonglin - WANG, Junqiang - SHEN, Wenzhong - FU, Yong Qing. Significantly enhanced temperature-dependent selectivity for NO₂ and H₂S detection based on

In₂O₃ nano-cubes prepared by CTAB assisted solvothermal process. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2020, vol. 816, 152518., Registrované v: WOS

10. [1.1] MOSELEY, Patrick T. Progress in the development of semiconducting metal oxide gas sensors: a review. In MEASUREMENT SCIENCE AND TECHNOLOGY. ISSN 0957-0233, 2017, vol. 28, no. 8, 082001., Registrované v: WOS

11. [1.1] PRIYA, A. Kalai - SUNNY, Anoop - KARTHIKEYAN, B. - SASTIKUMAR, D. Optical, spectroscopic and fiber optic gas sensing of potassium doped alpha-Fe₂O₃ nanostructures. In OPTICAL FIBER TECHNOLOGY. ISSN 1068-5200, 2020, vol. 58, 102304., Registrované v: WOS

12. [1.1] QU, Geping - FAN, Guijun - ZHOU, Moyan - RONG, Xiaoru - LI, Tao - ZHANG, Rui - SUN, Jing - CHEN, Deliang. Graphene-Modified ZnO Nanostructures for Low-Temperature NO₂ Sensing. In ACS OMEGA. ISSN 2470-1343, 2019, vol. 4, no. 2, pp. 4221-4232., Registrované v: WOS

13. [1.1] WANG, Mingjing - HOU, Tianyi - SHEN, Zhurui - ZHAO, Xiaodong - JI, Huiming. MOF-derived Fe₂O₃: Phase control and effects of phase composition on gas sensing performance. In SENSORS AND ACTUATORS B-CHEMICAL, 2019, vol. 292, pp. 171-179., Registrované v: WOS

14. [1.1] ZHANG, Jinniu - ZHANG, Lizhai - LENG, Deying - MA, Fei - ZHANG, Ziyang - ZHANG, Yuanyu - WANG, Wei - LIANG, Qingfei - GAO, Jianzhi - LU, Hongbing. Nanoscale Pd catalysts decorated WO₃-SnO₂ heterojunction nanotubes for highly sensitive and selective acetone sensing. In SENSORS AND ACTUATORS B-CHEMICAL, 2020, vol. 306, 127575., Registrované v: WOS

ADCA198 CAPOZZIELLO, Salvatore** - PINČÁK, Richard** - BARTOŠ, Erik*. Chern-Simons Current of Left and Right Chiral Superspace in Graphene Wormhole. In *Symmetry-basel*, 2020, vol. 12, no. 5, art. no. 774. (2019: 2.645 - IF, Q2 - JCR, 0.365 - SJR, Q2 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 2073-8994. Dostupné na: <https://doi.org/10.3390/SYM12050774>

Ohlasy:

1. [1.1] SHAMIR, M. Farasat - MUSTAFA, G. - WASEEM, Saad. Study of non-commutative wormhole solutions in f(R, G) gravity. In INTERNATIONAL JOURNAL OF GEOMETRIC METHODS IN MODERN PHYSICS. ISSN 0219-8878, 2020, vol. 17, no. 9, 2050129., Registrované v: WOS

ADCA199 CARICATO, A.P. - FERNANDEZ, M. - FRAIT, Z. - FRAITOVA, D. - LUBY, Štefan - LUCHES, A. - MAJKOVÁ, Eva - MAJNI, G. - MALYCH, R. - MENGUCCI, P. Pulsed laser deposition of magnetic films by ablation of Co- and Fe-based amorphous alloys. In *Applied Physics A*, 2004, vol. 79, no. 4-6, p. 1251-1254. ISSN 0947-8396. Dostupné na: <https://doi.org/10.1007/s00339-004-2729-4>

Ohlasy:

1. [1.1] AWANA, Geet - COX, Chris - STUFFINS, Laura - VENKAT, Guru - MORRISON, Kelly - ZHOU, Zhaoxia - BACKES, Dirk. Magnetic and structural properties of CoFeB thin films grown by pulsed laser deposition. In MATERIALS RESEARCH EXPRESS, 2020, vol. 7, no. 10, 106406.,

Registrované v: WOS

2. [1.1] YALCIN, O. - UNLUER, S. - KAZAN, S. - OZDEMIR, M. - ONER, Y. Temperature evolution of magnetic properties for (Cu/Co)(60)/Fe multilayer. In *JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS*. ISSN 0304-8853, 2015, vol. 373, pp. 144-150., Registrované v: WOS

ADCA200 CINDRO, N. - KOROLIJA, M. - BĚTÁK, Emil - GRIFFIN, J.J. Early stages of nucleus-nucleus collisions: a microscopic calculation of the initial number of degrees of freedom. In *Physical Review Letters*, 1991, vol. 66, p. 868-871. ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.66.868>

Ohlasy:

1. [1.1] FABRIS, D. - GRAMEGNA, F. - MARCHI, T. - DEGERLIER, M. - FOTINA, O. V. - KRAVCHUK, V. L. - D&APOS;AGOSTINO, M. - MORELLI, L. - APPANNABABU, S. - BAIOTTO, G. - BARLINI, S. - BINI, M. - BRONDI, A. - BRUNO, M. - CASINI, G. - CINAUSERO, M. - GELLI, N. - MORO, R. - OLMI, A. - PASQUALI, G. - PIANTELLI, S. - POGGI, G. - VALDRE, S. - VARDACI, E. PRE-EQUILIBRIUM PARTICLES EMISSION AND ITS POSSIBLE RELATION TO alpha-CLUSTERING IN NUCLEI. In *ACTA PHYSICA POLONICA B*. ISSN 0587-4254, 2015, vol. 46, no. 3, pp. 447-451., Registrované v: WOS

2. [1.1] GRAMEGNA, F. - FABRIS, D. - MARCHI, T. - DEGERLIER, M. - FOTINA, V. - KRAVCHUK, V. L. - D&APOS;AGOSTINO, M. - MORELLI, L. - APPANNABABU, S. - BAIOTTO, G. - BARLINI, S. - BINI, M. - BRONDI, A. - BRUNO, M. - CASINI, G. - CINAUSERO, M. - GELLI, N. - MORO, R. - OLMI, A. - PASQUALI, G. - PIANTELLI, S. - POGGI, G. - VALDRE, S. - VARDACI, E. Pre-equilibrium Emission and alpha-clustering in Nuclei. In *JOURNAL OF PHYSICS CONFERENCE SERIES*, 2015, vol. 580, 012011., Registrované v: WOS

3. [1.1] MARCHI, T. - GRAMEGNA, F. - FABRIS, D. - DEGERLIER, M. - FOTINA, O. V. - KRAVCHUK, V. L. - D&APOS;AGOSTINO, M. - MORELLI, L. - APPANNABABU, S. - BAIOTTO, G. - BARLINI, S. - BINI, M. - BRONDI, A. - BRUNO, M. - CASINI, G. - CINAUSERO, M. - GELLI, N. - MORO, R. - OLMI, A. - PASQUALI, G. - PIANTELLI, S. - POGGI, G. - VALDRE, S. - VARDACI, E. Pre-equilibrium emission and its possible relation to alpha-clustering in nuclei. In *EPJ WEB OF CONFERENCES*, 2015, vol. 88, 00016., Registrované v: WOS

ADCA201 CIRÁK, J. - TOMČIK, P. - BARANČOK, D. - HALUŠKA, M. - NÁDAŽDÝ, Vojtech. Formation of Langmuir-Blodgett heterostructures of fullerene with amphiphilic matrix molecules. In *Synthetic Metals*, 1995, vol. 73, no. 3, p. 285-287. (1994: 1.283 - IF, Current Contents - CCC). (1995 - Current Contents). ISSN 0379-6779.

Ohlasy:

1. [1.1] AMER, Maher S. - ALTALEBI, Hasanain B. On the processing of monolayer C-60 fullerene films and their mechanical properties. In *MATERIALS RESEARCH EXPRESS*. ISSN 2053-1591, 2018, vol. 5, no. 1, 016407., Registrované v: WOS

ADCA202 CIZEK, J. - LUKAC, F. - PROCHAZKA, I. - KUZEL, R. - JIRASKOVA, Y. - JANIČKOVIČ, Dušan - ANWAND, W. - BRAUER, G. Characterization of

quenched-in vacancies in Fe-Al alloys. In *Physica B: Condensed Matter*, 2012, vol. 407, no. 14, p. 2659-2664. (2011: 1.063 - IF, Q3 - JCR, 0.595 - SJR, Q2 - SJR, Current Contents - CCC). (2012 - Current Contents). ISSN 0921-4526. Dostupné na: <https://doi.org/10.1016/j.physb.2011.12.122>

Ohlasy:

1. [1.1] AGARWAL, S. - LIEDKE, M. O. - JONES, A. C. L. - REED, E. - KOHNERT, A. A. - UBERUAGA, B. P. - WANG, Y. Q. - COOPER, J. - KAOUMI, D. - LI, N. - AUGUSTE, R. - HOSEMANN, P. - CAPOLUNGO, L. - EDWARDS, D. J. - BUTTERLING, M. - HIRSCHMANN, E. - WAGNER, A. - SELIM, F. A. A new mechanism for void-cascade interaction from nondestructive depth-resolved atomic-scale measurements of ion irradiation-induced defects in Fe. In *SCIENCE ADVANCES*. ISSN 2375-2548, 2020, vol. 6, no. 31, eaba8437., Registrované v: WOS
2. [1.1] AUGUSTE, R. - LIEDKE, M. O. - SELIM, F. A. - UBERUAGA, B. P. - WAGNER, A. - HOSEMANN, P. Measurement and Simulation of Vacancy Formation in 2-MeV Self-irradiated Pure Fe. In *JOM*. ISSN 1047-4838, 2020, vol. 72, no. 6, pp. 2436-2444., Registrované v: WOS
3. [1.1] EHRLER, Jonathan - LIEDKE, Maciej Oskar - CIZEK, Jakub - BOUCHER, Richard - BUTTERLING, Maik - ZHOU, Shengqiang - BOETTGER, Roman - HIRSCHMANN, Eric - THU TRANG TRINH - WAGNER, Andreas - LINDNER, Juergen - FASSBENDER, Juergen - LEYENS, Christoph - POTZGER, Kay - BALI, Rantej. The role of open-volume defects in the annihilation of antisites in a B2-ordered alloy. In *ACTA MATERIALIA*. ISSN 1359-6454, 2019, vol. 176, pp. 167-176., Registrované v: WOS
4. [1.1] FRIAK, Martin - CERNY, Miroslav - VSIANSKA, Monika - SOB, Mojmir. Impact of Antiphase Boundaries on Structural, Magnetic and Vibrational Properties of Fe₃Al. In *MATERIALS*, 2020, vol. 13, no. 21, 4884., Registrované v: WOS
5. [1.1] FRIAK, Martin - GOLIAN, Miroslav - HOLEC, David - KOUTNA, Nikola - SOB, Mojmir. An Ab Initio Study of Magnetism in Disordered Fe-Al Alloys with Thermal Antiphase Boundaries. In *NANOMATERIALS*, 2020, vol. 10, no. 1, 44., Registrované v: WOS
6. [1.1] FRIAK, Martin - VSIANSKA, Monika - SOB, Mojmir. A Quantum-Mechanical Study of Clean and Cr-Segregated Antiphase Boundaries in Fe₃Al. In *MATERIALS*, 2019, vol. 12, no. 23, 3954., Registrované v: WOS
7. [1.1] MIHALIKOVA, Ivana - FRIAK, Martin - KOUTNA, Nikola - HOLEC, David - SOB, Mojmir. An Ab Initio Study of Vacancies in Disordered Magnetic Systems: A Case Study of Fe-Rich Fe-Al Phases. In *MATERIALS*. ISSN 1996-1944, 2019, vol. 12, no. 9, 1430., Registrované v: WOS
8. [1.1] RAHIMI, Reza - PEKKER, Peter - BIERMANN, Horst - VOLKOVA, Olena - DE COOMAN, Bruno C. - MOLA, Javad. Volumetric changes associated with B2-(Ni,Fe)Al dissolution in an Al-alloyed ferritic steel. In *MATERIALS & DESIGN*. ISSN 0264-1275, 2016, vol. 111, pp. 640-645., Registrované v: WOS
9. [1.1] ZHANG, Dahao - ZHANG, Jing - XI, Guoqiang - WAN, Xin - YANG, Chengbo - MO, Xueyan - LIU, Shuang - ZHONG, Minghong - PAN, Fusheng. The effects of induction quenching and pre-strain levels on twin behavior in extruded ZK21 magnesium alloy. In *MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES*

ADCA203 COCKAYNE, E. - MIHALKOVIČ, Marek - HENLEY, Ch. L. Structure of periodic crystals and quasicrystals in ultrathin films of Ba-Ti-O. In *Physical Review B*, 2016, vol. 93, no. 2, 020101R. (2015: 3.718 - IF, Q1 - JCR, 2.377 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.93.020101>

Ohlasy:

1. [1.1] FOERSTER, Stefan - SCHENK, Sebastian - ZOLLNER, Eva Maria - KRAHN, Oliver - CHIANG, Cheng-Tien - SCHUMANN, Florian O. - BAYAT, Alireza - SCHINDLER, Karl-Michael - TRAUTMANN, Martin - HAMMER, Rene - MEINEL, Klaus - ADEAGBO, Waheed A. - HERGERT, Wolfram - FLEGE, Jan Ingo - FALTA, Jens - ELLGUTH, Martin - TUSCHE, Christian - DEBOISSIEU, Marc - MUNTWILER, Matthias - GREBER, Thomas - WIDDRA, Wolf. Quasicrystals and their Approximants in 2D Ternary Oxides. In *PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS*. ISSN 0370-1972, 2019, 1900624., Registrované v: WOS
2. [1.1] FOERSTER, S. - TRAUTMANN, M. - ROY, S. - ADEAGBO, W. A. - ZOLLNER, E. M. - HAMMER, R. - SCHUMANN, F. O. - MEINEL, K. - NAYAK, S. K. - MOHSENI, K. - HERGERT, W. - MEYERHEIM, H. L. - WIDDRA, W. Observation and Structure Determination of an Oxide Quasicrystal Approximant. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2016, vol. 117, no. 9, 095501., Registrované v: WOS
3. [1.1] MAIER, Russell A. - COCKAYNE, Eric - DONOHUE, Matthew - CIBIN, Giannantonio - LEVIN, Igor. Substitutional Mechanisms and Structural Relaxations for Manganese in SrTiO₃: Bridging the Concentration Gap for Point-Defect Metrology. In *CHEMISTRY OF MATERIALS*. ISSN 0897-4756, 2020, vol. 32, no. 11, pp. 4651-4662., Registrované v: WOS
4. [1.1] PAUL, J. T. - SINGH, A. K. - DONG, Z. - ZHUANG, H. - REVARD, B. C. - RIJAL, B. - ASHTON, M. - LINSCHIED, A. - BLONSKY, M. - GLUHOVIC, D. - GUO, J. - HENNIG, R. G. Computational methods for 2D materials: discovery, property characterization, and application design. In *JOURNAL OF PHYSICS-CONDENSED MATTER*. ISSN 0953-8984, 2017, vol. 29, no. 47, 473001., Registrované v: WOS
5. [1.1] ROY, Sumalay - MOHSENI, Katayoon - FOERSTER, Stefan - TRAUTMANN, Martin - SCHUMANN, Florian - ZOLLNER, Eva - MEYERHEIM, Holger - WIDDRA, Wolf. The Kepler tiling as the oldest complex surface structure in history: X-ray structure analysis of a two-dimensional oxide quasicrystal approximant. In *ZEITSCHRIFT FUR KRISTALLOGRAPHIE-CRYSTALLINE MATERIALS*. ISSN 2194-4946, 2016, vol. 231, no. 12, pp. 749-755., Registrované v: WOS
6. [1.1] WOLNY, Janusz - BUGANSKI, Ireneusz - KUCZERA, Pawel - STRZALKA, Radoslaw. Pushing the limits of crystallography. In *JOURNAL OF APPLIED CRYSTALLOGRAPHY*. ISSN 1600-5767, 2016, vol. 49, no., pp. 2106-2115., Registrované v: WOS
7. [1.1] WOLNY, Janusz - BUGANSKI, Ireneusz - STRZALKA, Radoslaw. Model refinement of quasicrystals. In *CRYSTALLOGRAPHY REVIEWS*. ISSN 0889-311X, 2018, vol. 24, no. 1, pp. 22-64., Registrované v: WOS

8. [1.1] YUHARA, Junji - HORIBA, Keito - SUGIURA, Ryoichi - LI, Xu - YAMADA, Tomoaki. Growth and composition of an ultrathin Ba-Ti-O quasicrystal film and its crystalline approximant on Pt(111). In PHYSICAL REVIEW MATERIALS. ISSN 2475-9953, 2020, vol. 4, no. 10, 103402., Registrované v: WOS

ADCA204 COCOLIOS, T.E. - DEXTERS, W. - SELIVERSTOV, M.D. - ANDREYEV, A.N. - ANTALIC, S. - BARZAKH, A.E. - BASTIN, B. - BUESCHER, J. - DARBY, I.G. - FEDOROV, D.V. - FEDOSSEYEV, V.N. - FLANAGAN, K.T. - FRANCHOO, S. - FRITZSCHE, S. - HUBER, G. - HUYSE, M. - KEUPERS, M. - KOESTER, U. - KUDRYAVTSEV, Yu. - MANE, E. - MARSH, B.A. - MOLKANOV, P.L. - PAGE, R.D. - SJOEDIN, A.M. - STEFAN, I. - VAN DE WALLE, J. - VAN DUPPEN, P. - VENHART, Martin - ZEMLYANOY, S.G. - BENDER, M. - HEENEN, P.-H. Early onset of ground state deformation in neutron deficient polonium isotopes. In *Physical Review Letters*, 2011, vol. 106, no. 5, 052503. (2010: 7.622 - IF, Q1 - JCR, 6.450 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.106.052503>

Ohlasy:

1. [1.1] AURANEN, K. - UUSITALO, J. - JUUTINEN, S. - et al. Experimental study of isomeric intruder $1/2(+)^+$ states in At-197, At-203. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 4, 044311., Registrované v: WOS

2. [1.1] AURANEN, K. - UUSITALO, J. - JUUTINEN, S. - BADRAN, H. - BISSO, F. Defranchi - COX, D. - GRAHN, T. - GREENLEES, P. T. - HERZAN, A. - JAKOBSSON, U. - JULIN, R. - KONKI, J. - LEINO, M. - LIGHTFOOT, A. - MALLABURN, M. J. - NEUVONEN, O. - PAKARINEN, J. - PAPADAKIS, P. - PARTANEN, J. - RAHKILA, P. - SANDZELIUS, M. - SAREN, J. - SCHOLEY, C. - SORRI, J. - STOLZE, S. - WANG, Y. K. Prompt and delayed spectroscopy of At-203: Observation of a shears band and a $29/2(+)^+$ isomeric state. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 2, 024301., Registrované v: WOS

3. [1.1] CAMPBELL, P. - MOORE, I. D. - PEARSON, M. R. Laser spectroscopy for nuclear structure physics. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2016, vol. 86, no., pp. 127-180., Registrované v: WOS

4. [1.1] EBRAN, J-P. - MUTSCHLER, A. - KHAN, E. - VRETENAR, D. Spin-orbit interaction in relativistic nuclear structure models. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 2, 024304., Registrované v: WOS

5. [1.1] GARCIA-RAMOS, J. E. - HEYDE, K. Nuclear shape coexistence in Po isotopes: An interacting boson model study. In PHYSICAL REVIEW C. ISSN 2469-9985, 2015, vol. 92, no. 3, 034309., Registrované v: WOS

6. [1.1] GORGES, C. - RODRIGUEZ, L. V. - BALABANSKI, D. L. - BISSELL, M. L. - BLAUM, K. - CHEAL, B. - RUIZ, R. F. Garcia - GEORGIEV, G. - GINS, W. - HEYLEN, H. - KANELLAKOPOULOS, A. - KAUFMANN, S. - KOWALSKA, M. - LAGAKI, V. - LECHNER, S. - MAASS, B. - MALBRUNOT-ETTENAUER, S. - NAZAREWICZ, W. - NEUGART, R. - NEYENS, G. - NOERTERSHAEUSER, W. - REINHARD, P-G. - SAILER, S. -

- SANCHEZ, R. - SCHMIDT, S. - WEHNER, L. - WRAITH, C. - XIE, L. - XU, Z. Y. - YANG, X. F. - YORDANOV, D. T. Laser Spectroscopy of Neutron-Rich Tin Isotopes: A Discontinuity in Charge Radii across the N=82 Shell Closure. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 122, no. 19, 192502., Registrované v: WOS
7. [1.1] HUANG XIAOLONG - KANG MENGXIAO. Nuclear Data Sheets for A=198. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2016, vol. 133, no., pp. 221-416., Registrované v: WOS
8. [1.1] KOSZORUS, A. - BILLOWES, J. - BINNERSLEY, C. L. - BISSELL, M. L. - COCOLIOS, T. E. - COOPER, B. S. - DE GROOTE, R. P. - FAROOQ-SMITH, G. J. - FEDOSSEEV, V. N. - FLANAGAN, K. T. - FRANCHOO, S. - RUIZ, R. F. Garcia - GINS, W. - LYNCH, K. M. - NEYENS, G. - GUSTAFSSON, F. P. - RICKETTS, C. - STROKE, H. H. - VERNON, A. - WILKINS, S. G. - YANG, X. F. Resonance ionization schemes for high resolution and high efficiency studies of exotic nuclei at the CRIS experiment. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS. ISSN 0168-583X, 2020, vol. 463, pp. 398-402., Registrované v: WOS
9. [1.1] KOWALSKA, Magdalena. Global properties of atomic nuclei Masses, radii and modern methods to measure them. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2016, vol. 131, no. 8, 294., Registrované v: WOS
10. [1.1] KUKLIN, S. N. - ADAMIAN, G. G. - ANTONENKO, N. V. Description of alpha decay and cluster radioactivity in the dinuclear system model. In PHYSICS OF PARTICLES AND NUCLEI. ISSN 1063-7796, 2016, vol. 47, no. 2, pp. 206-235., Registrované v: WOS
11. [1.1] LYNCH, Kara Marie. Interpretation of Results. In LASER ASSISTED NUCLEAR DECAY SPECTROSCOPY: A NEW METHOD FOR STUDYING NEUTRON-DEFICIENT FRANCIUM ISOTOPES. ISSN 2190-5053, 2015, pp. 103., Registrované v: WOS
12. [1.1] RAEDER, Sebastian - KRON, Tobias - HEINKE, Reinhard - HENARES, Jose L. - LECESNE, Nathalie - SCHOENBERG, Pascal - TRUEMPER, Marcel - WENDT, Klaus. High resolution spectroscopy of the hyperfine structure splitting in Tc-97,Tc-99. In HYPERFINE INTERACTIONS. ISSN 0304-3843, 2017, vol. 238, 15., Registrované v: WOS
13. [1.1] RAEDER, S. - FERRER, R. - GRANADOS, C. - HUYSE, M. - KRON, T. - KUDRYAVTSEV, Yu. - LECESNE, N. - PIOT, J. - ROMANS, J. - SAVAJOLES, H. - VAN DUPPEN, P. - WENDT, K. D. A. Performance of Dye and Ti:sapphire laser systems for laser ionization and spectroscopy studies at S-3. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS. ISSN 0168-583X, 2020, vol. 463, pp. 86-95., Registrované v: WOS
14. [1.1] RAEDER, S. - HEGGEN, H. - TEIGELHOEFER, A. - LASSEN, J. Determination of the first ionization energy of polonium by resonance ionization spectroscopy part I: Measurement of even-parity Rydberg states at TRIUMF-ISAC. In SPECTROCHIMICA ACTA PART B-ATOMIC SPECTROSCOPY. ISSN 0584-8547, 2019, vol. 151, pp. 65-71., Registrované v: WOS
15. [1.1] SELIVERSTOV, Maxim - BARZAKH, Anatoly - AHMED, Rizwan - CHRYSALIDIS, Katerina - GOODACRE, Thomas Day - FEDOROV,

Dmitry - FEDOSEEV, Valentine - GRANADOS, Camilo - MARSH, Bruce - MOLKANOV, Pavel - PANTELEEV, Vladimir - ROSSEL, Ralf Erik - ROTHE, Sebastian - WILKINS, Shane. In-source laser photoionization spectroscopy of Bi isotopes: accuracy of the technique and methods of data analysis. In HYPERFINE INTERACTIONS. ISSN 0304-3843, 2020, vol. 241, no. 1, 40., Registrované v: WOS

16. [1.1] SINGH, Balraj - BASUNIA, M. S. - MARTIN, Murray - MCCUTCHAN, E. A. - BALA, Indu - CABALLERO-FOLCH, R. - CANAVAN, Rhiann - CHAKRABARTI, Ritwika - CHEKHOVSKA, A. - GRINDER, M. M. - KAIM, Samra - KANJILAL, Debasmita - KASPEROVYCH, D. - KOBRA, M. J. - KOURA, H. - NANDI, Soumen - OLACEL, Adina - SINGH, Abhilasha - TEE, B. P. E. Nuclear Data Sheets for A=218. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2019, vol. 160, pp. 405-471., Registrované v: WOS

17. [1.1] VOSS, A. - BUCHINGER, F. - CHEAL, B. - CRAWFORD, J. E. - DILLING, J. - KORTELAINEEN, M. - KWIATKOWSKI, A. A. - LEARY, A. - LEVY, C. D. P. - MOOSHAMMER, F. - OJEDA, M. L. - PEARSON, M. R. - PROCTER, T. J. - AL TAMIMI, W. Nuclear moments and charge radii of neutron-deficient francium isotopes and isomers. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 91, no. 4, 044307., Registrované v: WOS

18. [1.1] WRZOSEK-LIPSKA, K. - GAFFNEY, L. P. Unique and complementary information on shape coexistence in the neutron-deficient Pb region derived from Coulomb excitation. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2016, vol. 43, no. 2, 024012., Registrované v: WOS

19. [1.1] WU, Di - BAI, C. L. - SAGAWA, H. - ZHANG, H. Q. Calculation of nuclear charge radii with a trained feed-forward neural network. In PHYSICAL REVIEW C. ISSN 2469-9985, 2020, vol. 102, no. 5, 054323., Registrované v: WOS

20. [1.1] YANG, Xiaofei. Precision Laser Spectroscopy Technique for Exotic Radioactive Beams at CERN-ISOLDE. In FAIRNESS 2017: FAIR NEXT GENERATION SCIENTISTS 2017. ISSN 1742-6588, 2018, vol. 1024, UNSP 012031., Registrované v: WOS

ADCA205 COCOLIOS, T.E. - ANDREYEV, A.N. - ANTALIC, S. - BARZAKH, A. - BASTIN, B. - BUESCHER, J. - DARBY, I.G. - DEXTERS, W. - FEDOROV, D.V. - FEDOSSEEV, V.N. - FLANAGAN, K.T. - FRANCHOO, S. - HUBER, G. - HUYSE, M. - KEUPERS, M. - KOESTER, U. - KUDRYAVTSEV, Yu. - MANÉ, E. - MARSH, B.A. - MOLKANOV, P. - PAGE, R.D. - SELIVERSTOV, M.D. - SJOEDIN, A.M. - STEFAN, I. - VAN DE WALLE, J. - VAN DUPPEN, P. - VENHART, Martin - ZEMLYANOY, S. Structure of Pb-191 from alpha- and beta-decay spectroscopy. In *Journal of Physics G*, 2010, vol. 37, no. 12, 125103. (2009: 2.124 - IF, Q2 - JCR, 1.758 - SJR, Q1 - SJR, Current Contents - CCC). (2010 - Current Contents, WOS, SCOPUS). ISSN 0954-3899. Dostupné na: <https://doi.org/10.1088/0954-3899/37/12/125103>

Ohlasy:

1. [1.1] BASUNIA, M. Shamsuzzoha. Nuclear Data Sheets for A=193. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2017, vol. 143, pp. 1-381., Registrované v: WOS

2. [1.1] LYNCH, Kara Marie. Laser Assisted Nuclear Decay

Spectroscopy. In LASER ASSISTED NUCLEAR DECAY SPECTROSCOPY: A NEW METHOD FOR STUDYING NEUTRON-DEFICIENT FRANCIUM ISOTOPES. ISSN 2190-5053, 2015, pp. 53-68., Registrované v: WOS

3. [1.1] WANG, Meng - AUDI, G. - KONDEV, F. G. - HUANG, W. J. - NAIMI, S. - XU, Xing. The AME2016 atomic mass evaluation (II). Tables, graphs and references. In CHINESE PHYSICS C. ISSN 1674-1137, 2017, vol. 41, no. 3, 030003., Registrované v: WOS

4. [1.1] WRZOSEK-LIPSKA, K. - GAFFNEY, L. P. Unique and complementary information on shape coexistence in the neutron-deficient Pb region derived from Coulomb excitation. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2016, vol. 43, no. 2, 024012., Registrované v: WOS

ADCA206 COLOMBI, P. - AGNIHOTRI, D.K. - ASADCHIKOV, V.E. - BONTEMPI, E. - BOWEN, D.K. - CHANG, C.H. - DEPERO, L.E. - FARNWORTH, M. - FUJIMOTO, T. - GIBAUD, A. - JERGEL, Matej - KRUMREY, M. - LAFFORD, T.A. - LAMPERTI, A. - MATYI, R.J. - MEDUNA, M. - MILITA, S. - SAKURAI, K. - SHABELNIKOV, L. - ULYANENKOV, A. - LEE VAN DER, A. - WIENER, C. Reproducibility in x-ray reflectometry: results from the first world-wide Round Robin experiment. In *Journal of Applied Crystallography*, 2008, vol. 41, no. 1, p. 143-152. (2007: 3.629 - IF, Q1 - JCR, 1.660 - SJR, Q1 - SJR). ISSN 0021-8898. Dostupné na: <https://doi.org/10.1107/S0021889807051904>

Ohlasy:

1. [1.1] ASSI, Ahmad - BILO, Fabjola - ZANOLETTI, Alessandra - BORGESSE, Laura - DEPERO, Laura Eleonora - NENCI, Mario - BONTEMPI, Elza. Stabilization of Municipal Solid Waste Fly Ash, Obtained by Co-Combustion with Sewage Sludge, Mixed with Bottom Ash Derived by the Same Plant. In APPLIED SCIENCES-BASEL, 2020, vol. 10, no. 17, 6075., Registrované v: WOS

2. [1.1] ASSI, Ahmad - BILO, Fabjola - ZANOLETTI, Alessandra - PONTI, Jessica - VALSESIA, Andrea - LA SPINA, Rita - ZACCO, Annalisa - BONTEMPI, Elza. Zero-waste approach in municipal solid waste incineration: Reuse of bottom ash to stabilize fly ash. In JOURNAL OF CLEANER PRODUCTION. ISSN 0959-6526, 2020, vol. 245, 118779., Registrované v: WOS

3. [1.1] HOENICKE, Philipp - DETLEFS, Blanka - NOLOT, Emmanuel - KAYSER, Yves - MUEHLE, Uwe - POLLAKOWSKI, Beatrix - BECKHOFF, Burkhard. Reference-free grazing incidence x-ray fluorescence and reflectometry as a methodology for independent validation of x-ray reflectometry on ultrathin layer stacks and a depth-dependent characterization. In JOURNAL OF VACUUM SCIENCE & TECHNOLOGY A. ISSN 0734-2101, 2019, vol. 37, no. 4, 041502., Registrované v: WOS

4. [1.1] KIM, Chang Soo - JEON, Hyeon-Gu - JUNG, Young - et al. Observation of surface contamination layer by X-ray reflectometry (XRR) analyses. In SURFACE AND INTERFACE ANALYSIS. ISSN 0142-2421, 2017, vol. 49, no. 6, pp. 522-526., Registrované v: WOS

5. [1.1] PAZZAGLIA, Andrea - MAFFINI, Alessandro - DELLASEGA, David - LAMPERTI, Alessio - PASSONI, Matteo. Reference-free evaluation of thin films mass thickness and composition through energy dispersive X-ray spectroscopy. In MATERIALS CHARACTERIZATION. ISSN 1044-5803,

2019, vol. 153, pp. 92-102., Registrované v: WOS

6. [1.1] YAO, Yiyun - XIE, Chun - HUANG, Qiushi - ZHANG, Zhong. Simulation of the collimation property of parabolically curved graded multilayer mirror. In OPTICS COMMUNICATIONS. ISSN 0030-4018, 2018, vol. 410, pp. 361-368., Registrované v: WOS

7. [1.1] ZHANG, Yumei - XU, Hang - LI, Xuejian - WANG, Li - FENG, Ming - HE, Songying - LI, Haibo. Magnetic and electrical transport properties of Fe-doped Mn_{1.25}Ga films deposited on different substrates. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2018, vol. 468, pp. 241-245., Registrované v: WOS

8. [1.1] ZHANG, Y. M. - YU, W. X. - CHEN, F. H. - LIU, M. - LI, H. B. Microstructure and Magnetic Properties of Magnetron-sputtered [Fe/Pt](n) Multilayer Films. In ACTA PHYSICA POLONICA A. ISSN 0587-4246, 2015, vol. 128, no. 3, pp. 326-330., Registrované v: WOS

ADCA207 CONDE, C.F. - CONDE, A. - JANIČKOVIČ, Dušan - ŠVEC, Peter.

Composition dependence of Curie temperature and microstructure in amorphous Fe-Co-Mo-Cu-B metallic glasses. In *Journal of Magnetism and Magnetic Materials*, 2006, vol. 304, no. 2, p. E739-E742. (2005: 0.985 - IF, Q2 - JCR, 0.699 - SJR, Q2 - SJR, Current Contents - CCC). (2006 - Current Contents, WOS, SCOPUS). ISSN 0304-8853. Dostupné na: <https://doi.org/10.1016/j.jmmm.2006.02.208>

Ohlasy:

1. [1.1] MIGLIERINI, Marcel - PAVLOVIC, Marius - PROCHAZKA, Vit - HATALA, Tomas - SCHUMACHER, Gerhard - RUEFFER, Rudolf. Evolution of structure and local magnetic fields during crystallization of HITPERM glassy alloys studied by in situ diffraction and nuclear forward scattering of synchrotron radiation. In PHYSICAL CHEMISTRY CHEMICAL PHYSICS. ISSN 1463-9076, 2015, vol. 17, no. 42, pp. 28239., Registrované v: WOS

2. [1.1] PROCHAZKA, V. - VRBA, V. - SMRCKA, D. - RUEFFER, R. - MATUS, P. - MASLAN, M. - MIGLIERINI, M. B. Structural transformation of NANOPERM-type metallic glasses followed in situ by synchrotron radiation during thermal annealing in external magnetic field. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2015, vol. 638, pp. 398., Registrované v: WOS

3. [1.1] PROCHAZKA, V. - ZEMAN, L. - SMRCKA, D. - DUDKA, M. - VUJTEK, M. - MASLAN, M. - MIGLIERINI, M. B. Enhancement of crystallization in Fe-Mo-Cu-B metallic glass by deposition of Co layer. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2016, vol. 684, pp. 604-612., Registrované v: WOS

4. [1.1] TKACZYK, Marzena - HASIAK, Mariusz - KALETA, Jerzy - DRAGNEVSKI, Kalin. Microstructural investigation and mechanical properties of rapidly solidified bulk nanocrystalline Fe-based alloys. In MATERIALS TODAY-PROCEEDINGS. ISSN 2214-7853, 2020, vol. 33, SI, pp. 1775-1780., Registrované v: WOS

5. [1.1] ZUO, B. - YU, X. - WANG, X. N. - WANG, Z. Q. Microstructure and Properties of Fe_{80-x}Co_xZr_{10-y}Nb_yB₁₀ Alloys. In METAL SCIENCE AND HEAT TREATMENT. ISSN 0026-0673, 2019, vol. 61, no. 1-2, pp. 23-26., Registrované v: WOS

ADCA208 CONDE, C.F. - CONDE, A. - ŠVEC, Peter - OCHIN, P. Influence of the addition of Mn and Cu on the nanocrystallization process of HITPERM Fe-Co-Nb-B alloys. In *Materials Science and Engineering A - Structural Materials Properties Microstructure and Processing*, 2004, vol. 375, p. 718-721. (2003: 1.363 - IF, Current Contents - CCC). (2004 - Current Contents, WOS, SCOPUS). ISSN 0921-5093. Dostupné na: <https://doi.org/10.1016/j.msea.2003.10.010>

Ohlasy:

1. [1.1] PARSONS, R. - ZANG, B. - HUANG, H. - KISHIMOTO, H. - SHOJI, T. - KATO, A. - SUZUKI, K. Effect of latent heat during primary crystallization on the nanostructural formation process in nanocrystalline soft magnetic materials. In *AIP ADVANCES*, 2020, vol. 10, no. 1, 015105., Registrované v: WOS

ADCA209 CONDE, C.F. - BORREGO, J.M. - BLAZQUEZ, J.S. - CONDE, A. - ŠVEC, Peter - JANIČKOVIČ, Dušan. Magnetic and structural characterization of Mo-Hitperm alloys with different Fe/Co ratio. In *Journal of Alloys and Compounds*, 2011, vol. 509, no. 5, p. 1994-2000. (2010: 2.138 - IF, Q1 - JCR, 1.073 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents). ISSN 0925-8388. Dostupné na: <https://doi.org/10.1016/j.jallcom.2010.10.113>

Ohlasy:

1. [1.1] CAO, C. C. - WANG, Y. G. - ZHU, L. - MENG, Y. - ZHAI, X. B. - DAI, Y. D. - CHEN, J. K. - PAN, F. M. Local structure, nucleation sites and crystallization behavior and their effects on magnetic properties of Fe₈₁Si_xB₁₀P_{8-x}Cu₁ (x=0 similar to 8). In *SCIENTIFIC REPORTS*. ISSN 2045-2322, 2018, vol. 8, 1243., Registrované v: WOS

2. [1.1] FAN, Chenfeng - YANG, Yuanzheng - XU, Jia - LUO, Ting - WANG, Guotai. Effects of Nb Addition and Heat Treatment on the Crystallization Behavior, Thermal Stability and Soft Magnetic Properties of FeSiBPCuC Alloys. In *JOURNAL OF THE KOREAN PHYSICAL SOCIETY*. ISSN 0374-4884, 2020, vol. 77, no. 2, pp. 116-121., Registrované v: WOS

3. [1.1] CHU, Wenlei - TIAN, Chunhua - WANG, Ying - CHU, Jiayu - LI, Zhigang - DU, Yunchen - HAN, Xijiang. PERFORMANCE VS CONVENIENCE OF MAGNETIC CARBON-METAL NANOCOMPOSITES: A LOW-COST AND FACILE CITRATE-DERIVED STRATEGY FOR FECO ALLOY/CARBON COMPOSITES WITH HIGH-PERFORMANCE MICROWAVE ABSORPTION. In *COMMENTS ON INORGANIC CHEMISTRY*. ISSN 0260-3594, 2017, vol. 37, no. 6, pp. 301-326., Registrované v: WOS

4. [1.1] MIGLIERINI, Marcel - PAVLOVIC, Marius - PROCHAZKA, Vit - HATALA, Tomas - SCHUMACHER, Gerhard - RUEFFER, Rudolf. Evolution of structure and local magnetic fields during crystallization of HITPERM glassy alloys studied by in situ diffraction and nuclear forward scattering of synchrotron radiation. In *PHYSICAL CHEMISTRY CHEMICAL PHYSICS*. ISSN 1463-9076, 2015, vol. 17, no. 42, pp. 28239., Registrované v: WOS

5. [1.1] RINCON SOLER, A. I. - RODRIGUEZ JACOBO, R. R. - MEDINA BARRETO, M. H. - CRUZ-MUNOZ, B. Structural and magnetic properties of FeCoC system obtained by mechanical alloying. In *HYPERFINE INTERACTIONS*. ISSN 0304-3843, 2017, vol. 238, 48., Registrované v: WOS

6. [1.1] WANG, Yaocen - ZHANG, Yan - TAKEUCHI, Akira -

MAKINO, Akihiro - KAWAZOE, Yoshiyuki. Investigation on the crystallization mechanism difference between FINEMET (R) and NANOMET (R) type Fe-based soft magnetic amorphous alloys. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2016, vol. 120, no. 14, 145102., Registrované v: WOS

ADCA210 CONDE, C.F. - BLÁZQUEZ, J.S. - FRANCO, V. - CONDE, A. - ŠVEC, Peter - JANIČKOVIČ, Dušan. Microstructure and magnetic properties of FeMoBCu alloys: Influence of B content. In *Acta Materialia*, 2007, vol. 55, no. 17, p. 5675-5683. (2006: 3.549 - IF, Q1 - JCR, 3.615 - SJR, Q1 - SJR, Current Contents - CCC). (2007 - Current Contents). ISSN 1359-6454. Dostupné na: <https://doi.org/10.1016/j.actamat.2007.05.051>

Ohlasy:

1. [1.1] LAN, Song - WILLARD, Matthew A. Structural, thermal, and magnetic properties of Fe(7)(9)Mo(x)B(20)(-x)Cu(1)magnetic amorphous and nanocrystalline alloys. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2020, vol. 496, 165952., Registrované v: WOS
2. [1.1] PARSONS, R. - ZANG, B. - ONODERA, K. - KISHIMOTO, H. - SHOJI, T. - KATO, A. - SUZUKI, K. Nano-crystallisation and magnetic softening in Fe-B binary alloys induced by ultra-rapid heating. In JOURNAL OF PHYSICS D-APPLIED PHYSICS. ISSN 0022-3727, 2018, vol. 51, no. 41, 415001., Registrované v: WOS
3. [1.1] SWIERCZEK, Jan - KUPCZYK, Anna. Magnetic entropy change in amorphous and partially crystallized Fe-Mo-Cu-B alloy. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2015, vol. 386, pp. 74-80., Registrované v: WOS
4. [1.1] ZYABKIN, Dmitry V. - PROCHAZKA, Vit - MIGLIERINI, Marcel - MASLAN, Miroslav. Electrolytic cell-free Co-57 deposition for emission Mossbauer spectroscopy. In RADIATION PHYSICS AND CHEMISTRY. ISSN 0969-806X, 2018, vol. 146, pp. 86-90., Registrované v: WOS

ADCA211 CUBISS, J. G.** - BARZAKH, A. E. - ANDREYEV, A. N. - AL MONTHERY, M. - ALTHUBITI, N. - ANDEL, B. - ANTALIC, S. - ATANASOV, D. - BLAUM, K. - COCOLIOS, T. E. - DAY GOODACRE, T. - DE GROOTE, R. P. - DE ROUBIN, A. - FAROOQ-SMITH, G. J. - FEDOROV, D. V. - FEDOSSEEV, V. N. - FERRER, R. - FINK, D. A. - GAFFNEY, L. P. - GHYS, L. - GREDLEY, A. - HARDING, R. D. - HERFURT, F. - HUYSE, M. - IMAI, N. - JOSS, D. T. - KÖSTER, U. - KREIM, S. - LIBERATI, V. - LUNNEY, D. - LYNCH, K. M. - MANEA, V. - MARSH, B. A. - MARTINEZ PALENZUELA, Y. - MOLKANOV, P. L. - MOSAT, P. - NEIDHERR, D. - O'NEILL, G. G. - PAGE, R. D. - PROCTER, T. J. - RAPISARDA, E. - ROSENBUSCH, M. - ROTHE, S. - SANDHU, K. - SCHWEIKHARD, L. - SELIVERSTOV, M. D. - SELS, S. - SPAGNOLETTI, P. - TRUESDALE, V. L. - VAN BEVEREN, C. - VAN DUPPEN, P. - VEINHARD, M. - VENHART, Martin - VESELSKÝ, Martin - WEARING, F. - WELKER, A. - WIENHOLTZ, F. - WOLF, R. N. - ZEMLYANOV, S. G. - ZUBERT, K. Change in structure between the I=1/2 states in Tl-181 and (177)(,)(179)AU. In *Physics Letters B*, 2018, vol. 786, p. 355 - 363. (2017: 4.254 - IF, Q1 - JCR, 2.336 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current

Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na:
<https://doi.org/10.1016/j.physletb.2018.10.005>

Ohlasy:

1. [1.1] CHOI, H. - HIRAYAMA, Y. - CHOI, S. - HASHIMOTO, T. - JEONG, S. C. - MIYATAKE, H. - MOON, J. Y. - MUKAI, M. - NIWASE, T. - OYAIZU, M. - ROSENBUSCH, M. - SCHURY, P. - TANIGUCHI, A. - WATANABE, Y. X. - WADA, M. In-gas-cell laser ionization spectroscopy of Os-194,Os-196 isotopes by using a multireflection time-of-flight mass spectrograph. In PHYSICAL REVIEW C. ISSN 0556-2813, 2020, vol. 102, no. 3, 034309., Registrované v: WOS
2. [1.1] WIENHOLTZ, F. - BLAUM, K. - KARTHEIN, J. - LUNNEY, D. - MALBRUNOT-ETTENAUE, S. - MANEA, V. - MOUGEOT, M. - SCHWEIKHARD, L. - STEINSBERGER, T. - WOLF, R. N. Improved stability of multi-reflection time-of-flight mass spectrometers through passive and active voltage stabilization. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS. ISSN 0168-583X, 2020, vol. 463, pp. 348-356., Registrované v: WOS

ADCA212 CUCCHIERI, Attilio - MAAS, Axel - MENDES, Tereza. Linear covariant gauges on the lattice. In *Computer Physics Communications*, 2009, vol. 180, no. 2, p. 215-225. (2008: 2.120 - IF, Q1 - JCR, 1.228 - SJR, Q1 - SJR). ISSN 0010-4655. Dostupné na: <https://doi.org/10.1016/j.cpc.2008.09.011>

Ohlasy:

1. [1.1] CAPRI, M. A. L. - PEREIRA, A. D. - SOBREIRO, R. F. - SORELLA, S. P. Non-perturbative treatment of the linear covariant gauges by taking into account the Gribov copies. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 10, 479., Registrované v: WOS
2. [1.1] HUBER, Markus Q. Gluon and ghost propagators in linear covariant gauges. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 8, 085018., Registrované v: WOS
3. [1.1] SERREAU, J. - TISSIER, M. - TRESMONTANT, A. Influence of Gribov ambiguities in a class of nonlinear covariant gauges. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 10, 105003., Registrované v: WOS
4. [3.1] PEREIRA, A.D. In PREPRINT/HEP-TH, 2016, 1607.00365.

ADCA213 CUCCHIERI, A. - MAAS, Axel - MENDES, T. Three-point vertices in Landau-gauge Yang-Mills theory. In *Physical Review D*, 2008, vol. 77, no. 9, 094510. (2007: 4.696 - IF, Q1 - JCR, 2.593 - SJR, Q1 - SJR, Current Contents - CCC). (2008 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.77.094510>

Ohlasy:

1. [1.1] AGUILAR, A. C. - BINOSI, D. - FIGUEIREDO, C. T. - PAPAVALASSILIOU, J. Unified description of seagull cancellations and infrared finiteness of gluon propagators. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 4, 045002., Registrované v: WOS
2. [1.1] AGUILAR, A. C. - FERREIRA, M. N. - FIGUEIREDO, C. T. - PAPAVALASSILIOU, J. Gluon mass scale through nonlinearities and vertex interplay. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 100, no. 9,

094039, Registrované v: WOS

3. [1.1] AGUILAR, A. C. - FERREIRA, M. N. - FIGUEIREDO, C. T. - PAPAVASSILIOU, J. Nonperturbative Ball-Chiu construction of the three-gluon vertex. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 99, no. 9, 094010., Registrované v: WOS

4. [1.1] AGUILAR, A. C. - FERREIRA, M. N. - FIGUEIREDO, C. T. - PAPAVASSILIOU, J. Nonperturbative structure of the ghost-gluon kernel. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 99, no. 3, 034026., Registrované v: WOS

5. [1.1] ATHENODOROU, A. - BINOSI, D. - BOUCAUD, Ph. - DE SOTO, F. - PAPAVASSILIOU, J. - RODRIGUEZ-QUINTERO, J. - ZAFEIROPOULOS, S. On the zero crossing of the three-gluon vertex. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 761, pp. 444-449., Registrované v: WOS

6. [1.1] BINOSI, Daniele - PAPAVASSILIOU, Joannis. Coupled dynamics in gluon mass generation and the impact of the three-gluon vertex. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 5, 054029., Registrované v: WOS

7. [1.1] BINOSI, Daniele. The two-, three- and four-gluon sector of QCD in the Landau gauge. In Journal Physics Conference Series, 2015, vol. 631, 012066., Registrované v: WOS

8. [1.1] BOUCAUD, Ph. - DE SOTO, F. - RAYA, K. - RODRIGUEZ-QUINTERO, J. - ZAFEIROPOULOS, S. Discretization effects on renormalized gauge-field Green's functions, scale setting, and the gluon mass. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 11, 114515., Registrované v: WOS

9. [1.1] CANFORA, F. E. - DUDAL, D. - JUSTO, I. F. - PAIS, P. - ROSA, L. - VERCAUTEREN, D. Effect of the Gribov horizon on the Polyakov loop and vice versa. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 7, 326., Registrované v: WOS

10. [1.1] CORELL, Lukas - CYROL, Anton K. - MITTER, Mario - PAWLOWSKI, Jan M. - STRODTHOFF, Nils. Correlation functions of three-dimensional Yang-Mills theory from the FRG. In SCIPOST PHYSICS. ISSN 2542-4653, 2018, vol. 5, no. 6, 066., Registrované v: WOS

11. [1.1] CYROL, Anton K. - FISTER, Leonard - MITTER, Mario - PAWLOWSKI, Jan M. - STRODTHOFF, Nils. Landau gauge Yang-Mills correlation functions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 5, 054005., Registrované v: WOS

12. [1.1] CYROL, Anton K. - HUBER, Markus Q. - VON SMEKAL, Lorenz. A Dyson-Schwinger study of the four-gluon vertex. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 3., Registrované v: WOS

13. [1.1] CYROL, Anton K. - MITTER, Mario - PAWLOWSKI, Jan M. - STRODTHOFF, Nils. Nonperturbative finite-temperature Yang-Mills theory. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 5, 054015., Registrované v: WOS

14. [1.1] DE MEERLEER, T. - DUDAL, D. - SORELLA, S. P. - DALL'OLIO, P. - BASHIR, A. Fresh look at the Abelian and non-Abelian Landau-Khalatnikov-Fradkin transformations. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 7, 074017., Registrované v: WOS

15. [1.1] DUARTE, Anthony G. - OLIVEIRA, Orlando - SILVA, Paulo J. Further evidence for zero crossing on the three gluon vertex. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 7, 074502., Registrované v: WOS
16. [1.1] DUDAL, David - OLIVEIRA, Orlando - SILVA, Paulo J. High precision statistical Landau gauge lattice gluon propagator computation vs. the Gribov-Zwanziger approach. In ANNALS OF PHYSICS. ISSN 0003-4916, 2018, vol. 397, pp. 351-364., Registrované v: WOS
17. [1.1] DUDAL, D. - GUIMARAES, M. S. - JUSTO, I. F. - SORELLA, S. P. On bounds and boundary conditions in the continuum Landau gauge. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 2, 83., Registrované v: WOS
18. [1.1] EICHMANN, Gernot - SANCHIS-ALEPUZ, Helios - WILLIAMS, Richard - ALKOFER, Reinhard - FISCHER, Christian S. Baryons as relativistic three-quark bound states. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2016, vol. 91, pp. 1-100., Registrované v: WOS
19. [1.1] FISCHER, Christian S. - KUBRAK, Stanislav - WILLIAMS, Richard. Spectra of heavy mesons in the Bethe-Salpeter approach. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2015, vol. 51, 10., Registrované v: WOS
20. [1.1] GRACEY, John A. - PELAEZ, Marcela - REINOSA, Urko - TISSIER, Matthieu. Two-loop calculation of Yang-Mills propagators in the Curci-Ferrari model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 100, no. 3, 034023., Registrované v: WOS
21. [1.1] HUBER, Markus Q. A NON-PERTURBATIVE STUDY OF THE CORRELATION FUNCTIONS OF THREE-DIMENSIONAL YANG-MILLS THEORY. In INTERNATIONAL MEETING: EXCITED QCD, 2016. ISSN 1899-2358, 2016, vol. 9, no. 3, pp. 389-394., Registrované v: WOS
22. [1.1] HUBER, Markus Q. Correlation functions of three-dimensional Yang-Mills theory from Dyson-Schwinger equations. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 8, 085033., Registrované v: WOS
23. [1.1] HUBER, Markus Q. - CAMPAGNARI, Davide R. - REINHARDT, Hugo. Vertex functions of Coulomb gauge Yang-Mills theory. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 2, 025014., Registrované v: WOS
24. [1.1] CHAICHIAN, Masud - FRASCA, Marco. Condition for confinement in non-Abelian gauge theories. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 781, pp. 33-39., Registrované v: WOS
25. [1.1] MINTZ, B. W. - PALHARES, L. F. - SORELLA, S. P. - PEREIRA, A. D. Ghost-gluon vertex in the presence of the Gribov horizon. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 3, 034020., Registrované v: WOS
26. [1.1] PAPAVALASSILOU, J. Unraveling the organization of the QCD tapestry. In Journal Physics Conference Series, 2015, vol. 631, 012006., Registrované v: WOS
27. [1.1] TISSIER, Matthieu. Gribov copies, avalanches and dynamic generation of a gluon mass. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 784, pp. 146-150., Registrované v: WOS
28. [1.1] VUJINOVIC, Milan - ALKOFER, Reinhard. Low-energy

spectrum of an SU(2) gauge theory with dynamical fermions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 9, 065030., Registrované v: WOS

29. [1.1] WILLIAMS, Richard - FISCHER, Christian S. - HEUPEL, Walter. Light mesons in QCD and unquenching effects from the 3PI effective action. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 3, 034026., Registrované v: WOS

30. [1.1] WILLIAMS, Richard. The quark-gluon vertex in Landau gauge bound-state studies. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2015, vol. 51., Registrované v: WOS

31. [3.1] DUARTE, A.G. In PROC. SCI. LATTICE 2016, 2016, P. 351.

32. [3.1] KUBRAK, S. Static and dynamic properties of QCD bound states. In PhD Thesis, Giessen University, 2015, 11560.

33. [3.1] MACHADO, F.A. In PREPRINT/ HEP-TH, 2016, 1601.02067.

34. [3.1] PEREIRA, A.D. In PREPRINT/HEP-TH, 2016, 1607.00365.

ADCA214 ČAVOJSKÝ, Miroslav - BALOG, Martin - DVOŘÁK, Jiří - ILLEKOVÁ, Emília - ŠVEC, Peter - KRÍŽIK, Peter - JANIČKOVIČ, Dušan - SIMANČÍK, František. Microstructure and properties of extruded rapidly solidified AlCr_{4.7}Fe_{1.1}Si_{0.3} (at.%) alloys. In *Materials Science and Engineering A - Structural Materials Properties Microstructure and Processing*, 2012, vol. 549, p. 233-241. (2011: 2.003 - IF, Q2 - JCR, 1.740 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, SCOPUS, WOS). ISSN 0921-5093. Dostupné na: <https://doi.org/10.1016/j.msea.2012.04.051>

Ohlasy:

1. [1.1] EZEMENAKA, D. - PHIRI, A. - KHVAN, A. - CHEVERIKIN, V - FARTUSHNA, I - DINSDALE, A. An experimental investigation of phase transformations in the Al-rich corner of the Al-Cr-Fe system. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2019, vol. 808, UNSP 151692., Registrované v: WOS

2. [1.1] CHEN, Cunguang - WANG, Wenwen - GUO, Zhimeng - SUN, Chunbao - VOLINSKY, Alex A. - PALEY, Vladislav. Annealing Effects on Microstructure and Mechanical Properties of Ultrafine-Grained Al Composites Reinforced with Nano-Al₂O₃ by Rotary Swaging. In JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE. ISSN 1059-9495, 2018, vol. 27, no. 4, pp. 1738-1745., Registrované v: WOS

3. [1.1] MENG, Xianna - ZHANG, Datong - ZHANG, Weiwen - QIU, Cheng - LIANG, Guangxing - CHEN, Junjie. Microstructure and mechanical properties of a high-Zn aluminum alloy prepared by melt spinning and extrusion. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2020, vol. 819, 152990., Registrované v: WOS

4. [1.1] OVERMAN, N. R. - MATHAUDHU, S. N. - CHOI, J. P. - ROOSEDAAL, T. J. - PITMAN, S. Microstructure and mechanical properties of a novel rapidly solidified, high-temperature Al-alloy. In MATERIALS CHARACTERIZATION. ISSN 1044-5803, 2016, vol. 112, no., pp. 142-148., Registrované v: WOS

5. [1.1] STAN-GLOWINSKA, Katarzyna - ROGAL, Lukasz - GORAL, Anna - WIERZBICKA-MIERNIK, Anna - WOJEWODA-BUDKA, Joanna - SCHELL, Norbert - LITYNSKA-DOBRYNSKA, Lidia. Formation of a quasicrystalline phase in Al-Mn base alloys cast at intermediate cooling rates. In

JOURNAL OF MATERIALS SCIENCE. ISSN 0022-2461, 2017, vol. 52, no. 13, pp. 7794-7807., Registrované v: WOS

6. [1.1] STAN-GLOWINSKA, K. - LITYNSKA-DOBRYNSKA, L. - KANIA, B. - DUTKIEWICZ, J. - ROGAL, L. - SKUZA, W. -

WOJEWODA-BUDKA, J. - GORDILLO, M. A. - WIEZOREK, J. M. Effects of hot-compaction on the structure and properties of Al-Mn-Fe-X alloys strengthened with quasi-crystalline icosahedral phase. In MATERIALS & DESIGN. ISSN 0264-1275, 2017, vol. 126, no., pp. 162-173., Registrované v: WOS

7. [1.1] STAN-GLOWINSKA, K. - LITYNSKA-DOBRYNSKA, L. - MORGIEL, J. - GORAL, A. - GORDILLO, M. A. - WIEZOREK, J. M.

Enhanced thermal stability of a quasicrystalline phase in rapidly solidified Al-Mn-Fe-X alloys. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2017, vol. 702, no., pp. 216-228., Registrované v: WOS

8. [1.2] GONDÁR, Ernest - SEJČ, Pavol - SCHREK, Alexander. The influence of high temperature loading on the structure of fine Al powder compacts. In Manufacturing Technology. ISSN 12132489, 2015-01-01, 15, 1, pp. 31-35., Registrované v: SCOPUS

ADCA215 ČERMÁK, Peter** - ANNUŠOVÁ, Adriana - RAKOVSKÝ, Jozef - MARTIŠOVITŠ, Viktor - VEIS, Pavel. Untangling the Herman-infrared spectra of nitrogen atmospheric-pressure dielectric barrier discharge. In *Plasma Sources Science and Technology*, 2018, vol. 27, no. 5, art. no. 055009, [12] p. (2017: 3.939 - IF, Q1 - JCR, 1.015 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 0963-0252. Dostupné na: <https://doi.org/10.1088/1361-6595/aabebd>

Ohlasy:

1. [1.1] DA SILVA, Ramon S. - VENTURA, Laiz R. - FELLOWS, Carlos E. - BALLESTER, Maikel Y. A novel investigation of the N-2 (C-3 Pi(u) B-3 Pi(g)) and N-2 (C "(5)Pi(u) A '(5)Sigma(+)(g)) band systems using accurate functional forms. In JOURNAL OF QUANTITATIVE SPECTROSCOPY & RADIATIVE TRANSFER. ISSN 0022-4073, 2020, vol. 253, 107130., Registrované v: WOS

2. [1.1] XU, S. Y. - KANG, L. - CAI, J. S. - TANG, S. J. Experimental investigation on the optical emission spectroscopy of dielectric barrier discharge plasma actuators at different atmospheric pressures. In AIP ADVANCES. ISSN 2158-3226, 2018, vol. 8, no. 11, 115033., Registrované v: WOS

ADCA216 ČERNÍČKOVÁ, I. - ŠVEC, Peter - WATANABE, S. - ČAPLOVIČ, L. - MIHALKOVIČ, Marek - KOLESÁR, V. - PRIPUTEN, P. - BEDNARČÍK, J. - JANIČKOVIČ, Dušan - JANOVEC, J. Fine structure of phases of epsilon-family in Al_{73.8}Pd_{11.9}Co_{14.3} alloy. In *Journal of Alloys and Compounds*, 2014, vol. 609, p. 73-79. (2013: 2.726 - IF, Q1 - JCR, 1.064 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 0925-8388. Dostupné na: <https://doi.org/10.1016/j.jallcom.2014.04.044>

Ohlasy:

1. [1.1] HE, Zhanbing - LI, Hua - MA, Haikun - MA, Xiuliang. Hexagonal structural block consisting of 2 nm decagonal clusters in Al₆₀Cr₂₀Fe₁₀Si₁₀ alloy. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2019, vol. 788, pp. 685-689., Registrované v: WOS

2. [1.1] HE, Zhanbing - WEI, Dongxia - SHEN, Xi - CHEN, Yuan - MA, Haikun - WANG, Leilei - DU, Kui - YAO, Yuan - YU, Richeng. Approximants of Al-Cr-Fe-Si decagonal quasicrystals described by single structural block. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2015, vol. 647, pp. 797-801., Registrované v: WOS

ADCA217 ČÍŽEK, J. - LUKÁČ, F. - PROCHÁZKA, I. - VLČEK, M. - JIRÁSKOVÁ, Y. - ŠVEC, Peter - JANIČKOVIČ, Dušan. Positive effect of hydrogen-induced vacancies on mechanical alloying of Fe and Al. In *Journal of Alloys and Compounds*, 2015, vol. 629, p. 22-26. (2014: 2.999 - IF, Q1 - JCR, 1.117 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 0925-8388. Dostupné na: <https://doi.org/10.1016/j.jallcom.2014.12.213>

Ohlasy:

1. [1.1] JIRASKOVA, Y. - BURSIK, J. - ZEMANOVA, A. - CIZEK, J. - HRUSKA, P. - ZIVOTSKY, O. Effect of hydrogen on Fe and Pd alloying and physical properties. In INTERNATIONAL JOURNAL OF HYDROGEN ENERGY. ISSN 0360-3199, 2017, vol. 42, no. 10, pp. 6885-6901., Registrované v: WOS

2. [1.1] KERDBUA, Panya - BIDABADI, Mohammad Hassan Shirani - CHANDRA-AMBHORN, Walairat - CHANDRA-AMBHORN, Somrerk. High Temperature Corrosion Behaviour of Aluminide-Coated Cast Iron for an Exhaust Manifold Application. In COATINGS, 2020, vol. 10, no. 8, 705., Registrované v: WOS

3. [1.1] ZHANG, Guikai - HUANG, Guangqi - HU, Meijuan - YANG, Feilong - LIU, Lang - KONYS, Juergen - TANG, Tao. Stability and clusterization of hydrogen-vacancy complexes in B2-FeAl: insight from hydrogen embrittlement. In RSC ADVANCES. ISSN 2046-2069, 2017, vol. 7, no. 18, pp. 11094-11100., Registrované v: WOS

ADCA218 D' ARIANO, G.M. - PERINOTTI, P. - SEDLÁK, Michal. Extremal quantum protocols. In *Journal of Mathematical Physics*, 2011, vol. 52, no. 8, 082202. (2010: 1.291 - IF, Q2 - JCR, 0.913 - SJR, Q2 - SJR, Current Contents - CCC). (2011 - Current Contents). ISSN 0022-2488. Dostupné na: <https://doi.org/10.1063/1.3610676>

Ohlasy:

1. [1.1] CASTRO-RUIZ, Esteban - GIACOMINI, Flaminia - BRUKNER, Caslav. Dynamics of Quantum Causal Structures. In PHYSICAL REVIEW X. ISSN 2160-3308, 2018, vol. 8, no. 1, 011047., Registrované v: WOS

ADCA219 DACHRAOUI, H. - MICHELWIRTH, M. - ŠIFFALOVIČ, Peter - BARTZ, P. - SCHAEFER, C. - SCHNATWINKEL, B. - MATTAY, J. - PHEIFFER, W. - DRESCHER, M. - HEINZMANN, U. Photoinduced reconfiguration cycle in a molecular adsorbate layer studied by femtosecond inner-shell photoelectron spectroscopy. In *Physical Review Letters*, 2011, vol. 106, no. 10, 107401. (2010: 7.622 - IF, Q1 - JCR, 6.450 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.106.107401>

Ohlasy:

1. [1.1] DELL ANGELA, M. - ANNIYEV, T. - BEYE, M. - COFFEE,

- R. - FOEHLISCH, A. - GLADH, J. - KAYA, S. - KATAYAMA, T. - KRUPIN, O. - NILSSON, A. - NORDLUND, D. - SCHLOTTER, W. F. - SELLBERG, J. A. - SORGENFREI, F. - TURNER, J. J. - OSTROM, H. - OGASAWARA, H. - WOLF, M. - WURTH, W. Vacuum space charge effects in sub-picosecond soft X-ray photoemission on a molecular adsorbate layer. In STRUCTURAL DYNAMICS. ISSN 2329-7778, 2015, vol. 2, no. 2, 025101., Registrované v: WOS
2. [1.1] GESSNER, Oliver - GUEHR, Markus. Monitoring Ultrafast Chemical Dynamics by Time-Domain X-ray Photo- and Auger-Electron Spectroscopy. In ACCOUNTS OF CHEMICAL RESEARCH. ISSN 0001-4842, 2016, vol. 49, no. 1, pp. 138-145., Registrované v: WOS
3. [1.1] HAO, Qun-qing - WANG, Zhi-qiang - DAI, Dong-xu - ZHOU, Chuan-yao - YANG, Xue-ming. Photoelectron Spectroscopic Study of Methanol Adsorbed Rutile TiO₂(110) Surface. In CHINESE JOURNAL OF CHEMICAL PHYSICS. ISSN 1674-0068, 2017, vol. 30, no. 6, pp. 626-630., Registrované v: WOS
4. [1.1] LEITNER, T. - JOSEFSSON, I. - MAZZA, T. - MIEDEMA, P. S. - SCHROEDER, H. - BEYE, M. - KUNNUS, K. - SCHRECK, S. - DUESTERER, S. - FOEHLISCH, A. - MEYER, M. - ODELIUS, M. - WERNET, Ph. Time-resolved electron spectroscopy for chemical analysis of photodissociation: Photoelectron spectra of Fe(CO)(5), Fe(CO)(4), and Fe(CO)(3). In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2018, vol. 149, no. 4, 044307., Registrované v: WOS
5. [1.1] NEPPL, Stefan - GESSNER, Oliver. Time-resolved X-ray photoelectron spectroscopy techniques for the study of interfacial charge dynamics. In JOURNAL OF ELECTRON SPECTROSCOPY AND RELATED PHENOMENA. ISSN 0368-2048, 2015, vol. 200, pp. 64., Registrované v: WOS
6. [1.1] NEPPL, Stefan - MAHL, Johannes - TREMSIN, Anton S. - RUDE, Bruce - QIAO, Ruimin - YANG, Wanli - GUO, Jinghua - GESSNER, Oliver. Towards efficient time-resolved X-ray absorption studies of electron dynamics at photocatalytic interfaces. In FARADAY DISCUSSIONS. ISSN 1359-6640, 2016, vol. 194, pp. 659-682., Registrované v: WOS
7. [1.1] NILSSON, A. - LARUE, J. - OBERG, H. - OGASAWARA, H. - DELL'ANGELA, M. - BEYE, M. - OSTROM, H. - GLADH, J. - NORSKOV, J. K. - WURTH, W. - ABILD-PEDERSEN, F. - PETTERSSON, L. G. M. Catalysis in real time using X-ray lasers. In CHEMICAL PHYSICS LETTERS. ISSN 0009-2614, 2017, vol. 675, pp. 145-173., Registrované v: WOS
8. [1.1] NISHITANI, Junichi - WEST, Christopher W. - HIGASHIMURA, Chika - SUZUKI, Toshinori. Time-resolved photoelectron spectroscopy of polyatomic molecules using 42-nm vacuum ultraviolet laser based on high harmonics generation. In CHEMICAL PHYSICS LETTERS. ISSN 0009-2614, 2017, vol. 684, pp. 397-401., Registrované v: WOS
9. [1.1] RAJEEV, Rajendran - HELLWAGNER, Johannes - SCHUMACHER, Anne - JORDAN, Inga - HUPPERT, Martin - TEHLAR, Andres - NIRAGHATAM, Bhargava Ram - BAYKUSHEVA, Denitsa - LIN, Nan - VON CONTA, Aaron - WORNER, Hans Jakob. In situ frequency gating and beam splitting of vacuum- and extreme-ultraviolet pulses. In Light-Science & Applications. ISSN 2047-7538, 2016, vol. 5, e16170., Registrované v: WOS
10. [1.1] ROTH, Friedrich - NEPPL, Stefan - SHAVORSKIY, Andrey - ARION, Tiberiu - MAHL, Johannes - SEO, Hyun Ook - BLUHM, Hendrik -

HUSSAIN, Zahid - GESSNER, Oliver - EBERHARDT, Wolfgang. Efficient charge generation from triplet excitons in metal-organic heterojunctions. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 99, no. 2, 020303., Registrované v: WOS

11. [1.1] WERNET, Ph. - LEITNER, T. - JOSEFSSON, I. - MAZZA, T. - MIEDEMA, P. S. - SCHRODER, H. - BEYE, M. - KUNNUS, K. - SCHRECK, S. - RADCLIFFE, P. - DUSTERER, S. - MEYER, M. - ODELIUS, M. - FOHLISCH, A. Communication: Direct evidence for sequential dissociation of gas-phase Fe(CO)(5) via a singlet pathway upon excitation at 266 nm. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2017, vol. 146, no. 21, 211103., Registrované v: WOS

12. [1.1] YAMAMOTO, T. - ISHIDA, Y. - YOSHIDA, R. - OKAWA, M. - OKAZAKI, K. - KANAI, T. - KIKKAWA, A. - TAGUCHI, Y. - KISS, T. - ISHIZAKA, K. - ISHII, N. - ITATANI, J. - WATANABE, S. - TOKURA, Y. - SAITOH, T. - SHIN, S. Nonequilibrium electronic and phonon dynamics of Cu_{0.17}Bi₂Se₃ investigated by core-level and valence-band time-resolved photoemission spectroscopy. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 92, no. 12, 121106., Registrované v: WOS

13. [1.1] ZHANG, Xiaofan - LI, Yang - ZHU, Xiaosong - ZHANG, Qingbin - LAN, Pengfei - LU, Peixiang. Near-circularly polarized single attosecond pulse generation from nitrogen molecules in spatially inhomogeneous laser fields. In JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS. ISSN 0953-4075, 2016, vol. 49, no. 1, 015602., Registrované v: WOS

ADCA220 DANIEL, A.V. - TER-AKOPIAN, G.M. - HAMILTON, J.H. - RAMAZZA, A.V. - KORMICKI, J. - POPEKO, G.S. - FOMICHEV, A.S. - RODIN, A.M. - OGANESSIAN, Y.T. - COLE, J.D. - HWANG, J.K. - LUO, Y.X. - FONG, D. - GORE, P. - JANDEL, Marián - KLIMAN, Ján - KRUPA, Ľuboš - RASMUSSEN, J.O. - WU, S.C. - LEE, I.Y. - STOYER, M.A. - DONANGELO, R. - GREINER, W. Ternary fission of Cf-252: 3368 keV gamma radiation from Be-10 fragments. In *Physical review C : nuclear physics*, 2004, vol. 69, no. 4, 041305. (2003: 2.708 - IF, Current Contents - CCC). (2004 - Current Contents, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.104.014616>

Ohlasy:

1. [1.1] ISMAIL, M. - SEIF, W. M. - HASHEM, A. S. - BOTROS, M. M. - ABDUL-MAGEAD, I. A. M. Ternary fission of No-260 in collinear configuration. In ANNALS OF PHYSICS. ISSN 0003-4916, 2016, vol. 372, no., pp. 375-391., Registrované v: WOS

2. [1.1] ISMAIL, M. - SEIF, W. M. - HASHEM, A. S. Ternary fission of No-260 in equatorial configuration. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2016, vol. 52, no. 10, 317., Registrované v: WOS

3. [1.1] TASHKHODJAEV, R. B. - NASIROV, A. K. - ALPOMESHEV, E. Kh. Dynamics of the tri-nuclear system at spontaneous fission of Cf-252. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 5, 054614., Registrované v: WOS

ADCA221 DANIEL, R. - KECKES, J. - MAŤKO, Igor - BURGHAMMER, M. - MITTERER, C. Origins of microstructure and stress gradients in nanocrystalline thin films: The role of growth parameters and self-organization. In *Acta Materialia*,

2013, vol. 61, no. 16, p. 6255-6266. (2012: 3.941 - IF, Q1 - JCR, 3.370 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 1359-6454. Dostupné na: <https://doi.org/10.1016/j.actamat.2013.07.009>

Ohlasy:

1. [1.1] ASCHAUER, E. - BARTOSIK, M. - BOLVARDI, H. - ARNDT, M. - POLCIK, P. - DAVYDOK, A. - KRYWKA, C. - RIEDL, H. - MAYRHOFER, P. H. Strain and stress analyses on thermally annealed Ti-Al-N/Mo-Si-B multilayer coatings by synchrotron X-ray diffraction. In SURFACE & COATINGS TECHNOLOGY. ISSN 0257-8972, 2019, vol. 361, pp. 364-370., Registrované v: WOS
2. [1.1] BAHENA, Joel A. - HECKMAN, Nathan M. - BARR, Christopher M. - HATTAR, Khalid - BOYCE, Brad L. - HODGE, Andrea M. Development of a heterogeneous nanostructure through abnormal recrystallization of a nanotwinned Ni superalloy. In ACTA MATERIALIA. ISSN 1359-6454, 2020, vol. 195, pp. 132-140., Registrované v: WOS
3. [1.1] ELO, Robin - JACOBSON, Staffan - KUBART, Tomas. Tailoring residual stresses in CrN_x films on alumina and silicon deposited by high-power impulse magnetron sputtering. In SURFACE & COATINGS TECHNOLOGY. ISSN 0257-8972, 2020, vol. 397, 125990., Registrované v: WOS
4. [1.1] GRECZYNSKI, G. - MRAZ, S. - RUESS, H. - HANS, M. - LU, J. - HULTMAN, L. - SCHNEIDER, J. M. Extended metastable Al solubility in cubic VAIN by metal-ion bombardment during pulsed magnetron sputtering: film stress vs subplantation. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2017, vol. 122, no. 2, 025304., Registrované v: WOS
5. [1.1] HEO, Su Jeong - KIM, Seong-Won - YEO, In-Woong - PARK, Sang-Jin - OH, Yoon-Suk. Effect of bias voltage on microstructure and phase evolution of Cr-Mo-N coatings by an arc bonded sputter system. In CERAMICS INTERNATIONAL. ISSN 0272-8842, 2016, vol. 42, no. 4, pp. 5231-5237., Registrované v: WOS
6. [1.1] KOEPF, Arno - KECKES, Jozef - TODT, Juraj - PITONAK, Reinhard - WEISSENBACHER, Ronald. Nanostructured coatings for tooling applications. In INTERNATIONAL JOURNAL OF REFRACTORY METALS & HARD MATERIALS. ISSN 0263-4368, 2017, vol. 62, SI, pp. 219-224., Registrované v: WOS
7. [1.1] OVCHINNIKOV, S. V. - PINZHIN, Yu. P. GROWTH STRUCTURE AND PROPERTIES OF GRADIENT NANOCRYSTALLINE COATINGS OF THE Ti-Al-Si-Cu-N SYSTEM. In RUSSIAN PHYSICS JOURNAL. ISSN 1064-8887, 2016, vol. 59, no. 6, pp. 799-808., Registrované v: WOS
8. [1.1] POHLER, Markus - FRANZ, Robert - RAMM, Juergen - POLCIK, Peter - MITTERER, Christian. Influence of pulsed bias duty cycle variations on structural and mechanical properties of arc evaporated (Al,Cr)₂O₃ coatings. In SURFACE & COATINGS TECHNOLOGY. ISSN 0257-8972, 2015, vol. 282, pp. 43-51., Registrované v: WOS
9. [1.1] QIU, Lianchang - DU, Yong - ZHONG, Zhiqiang - SHI, Haidong - ALBIR, Layyous. Influence of annealing on the microstructure and mechanical properties of MTCVD Ti_{0.79}N_{0.21} coating. In VACUUM. ISSN 0042-207X, 2018, vol. 148, pp. 88-97., Registrované v: WOS
10. [1.1] SEBASTIANI, M. - JOHANNIS, K. E. - HERBERT, E. G. -

CARASSITI, F. - PHARR, G. M. A novel pillar indentation splitting test for measuring fracture toughness of thin ceramic coatings. In *PHILOSOPHICAL MAGAZINE*. ISSN 1478-6435, 2015, vol. 95, no. 16-18, pp. 1928-1944., Registrované v: WOS

11. [1.1] TAGHAVI POURIAN AZAR, Golnaz - URGEN, Mustafa. Effect of high-voltage pulse bias on the stress and morphology of CA-PVD TiN coatings. In *SURFACE ENGINEERING*. ISSN 0267-0844, 2020, vol. 36, no. 1, pp. 13-21., Registrované v: WOS

12. [1.1] WINIARSKI, B. - BENEDETTI, M. - FONTANARI, V. - ALLAHKARAMI, M. - HANAN, J. C. - SCHAJER, G. S. - WITHERS, P. J. Comparative Analysis of Shot-Peened Residual Stresses Using Micro-Hole Drilling, Micro-Slot Cutting, X-ray Diffraction Methods and Finite-Element Modelling. In *RESIDUAL STRESS, THERMOMECHANICS & INFRARED IMAGING, HYBRID TECHNIQUES AND INVERSE PROBLEMS, VOL 9*. ISSN 2191-5644, 2016, pp. 215-223., Registrované v: WOS

13. [1.1] WINIARSKI, B. - BENEDETTI, M. - FONTANARI, V. - ALLAHKARAMI, M. - HANAN, J. C. - WITHERS, P. J. High Spatial Resolution Evaluation of Residual Stresses in Shot Peened Specimens Containing Sharp and Blunt Notches by Micro-hole Drilling, Micro-slot Cutting and Micro-X-ray Diffraction Methods. In *EXPERIMENTAL MECHANICS*. ISSN 0014-4851, 2016, vol. 56, no. 8, pp. 1449-1463., Registrované v: WOS

14. [1.1] YANG, Wen-Sheng - SUN, Ta-Huang - CHEN, Sheng-Chi - JEN, Shien-Uang - GUO, Han-Jie - LIAO, Ming-Han - CHEN, Jiann-Ruey. Comparison of microstructures and magnetic properties in FePt alloy films deposited by direct current magnetron sputtering and high power impulse magnetron sputtering. In *JOURNAL OF ALLOYS AND COMPOUNDS*. ISSN 0925-8388, 2019, vol. 803, pp. 341-347., Registrované v: WOS

15. [1.2] WINIARSKI, B. - BENEDETTI, M. - FONTANARI, V. - ALLAHKARAMI, M. - HANAN, J. C. - WITHERS, P. J. High Spatial Resolution Evaluation of Residual Stresses in Shot Peened Specimens Containing Sharp and Blunt Notches by Micro-hole Drilling, Micro-slot Cutting and Micro-X-ray Diffraction Methods. In *Experimental Mechanics*. ISSN 00144851, 2016-10-01, 56, 8, pp. 1449-1463., Registrované v: SCOPUS

ADCA222 DANIŠKA, Michal - GENDIAR, Andrej. Analysis of quantum spin models on hyperbolic lattices and Bethe lattice. In *Journal of Physics A: Mathematical and Theoretical*, 2016, vol. 49, no. 14, art. no. 145003. (2015: 1.933 - IF, Q1 - JCR, 1.028 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 1751-8113. Dostupné na: <https://doi.org/10.1088/1751-8113/49/14/145003>

Ohlasy:

1. [1.1] BOETTCHER, Igor - BIENIAS, Przemyslaw - BELYANSKY, Ron - KOLLAR, Alicia J. - GORSHKOV, Alexey V. Quantum simulation of hyperbolic space with circuit quantum electrodynamics: From graphs to geometry. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2020, vol. 102, no. 3, 032208., Registrované v: WOS

ADCA223 DANIŠKA, Michal - GENDIAR, Andrej. Tensor product variational formulation applied to pentagonal lattice. In *Journal of Physics A: Mathematical and Theoretical*, 2015, vol. 48, 435002. (2014: 1.583 - IF, Q2 - JCR, 0.936 - SJR, Q1 -

SJR, Current Contents - CCC). (2015 - Current Contents). ISSN 1751-8113.
Dostupné na: <https://doi.org/10.1088/1751-8113/48/43/435002>

Ohlasy:

1. [1.1] CORBOZ, Philippe. Variational optimization with infinite projected entangled-pair states. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2016, vol. 94, no. 3, 035133., Registrované v: WOS

ADCA224 DANZER, J. - GATTRINGER, Ch. - LIPTÁK, Ľudovít - MARINKOVIC, M.
A study of the sign problem for lattice QCD with chemical potential. In *Physics Letters B*, 2009, vol. 682, p. 240-245. (2008: 4.034 - IF, Q1 - JCR, 2.853 - SJR, Q1 - SJR, Current Contents - CCC). (2009 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2009.11.004>

Ohlasy:

1. [1.1] SAHA, K. et al. In *MODERN PHYSICS LETTERS A*, 2016, vol. 32, 1750018., Registrované v: WOS
2. [1.1] XU, Shu-Sheng - CUI, Zhu-Fang - WANG, Bin - SHI, Yuan-Mei - YANG, You-Chang - ZONG, Hong-Shi. Chiral phase transition with a chiral chemical potential in the framework of Dyson-Schwinger equations. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2015, vol. 91, no. 5, 056003., Registrované v: WOS
3. [3.1] SAHA, K.- UPADHAYA, S. Bulk viscosity: A study from Polyakov-Nambu-Jona-Lasinio model. In *PREPRINT HEP-PH/ 1505.00177*, 2015 .
4. [3.1] STILLER, J.H. Full kinematic reconstruction of charged B mesons. PhD THESIS, CERN-THESIS, 2016, 037.

ADCA225 DBEYSSI, A. - TOMASI-GUSTAFSSON, E. - GAKH, G.I. - ADAMUŠČIN, Cyril. Experimental constraint on the rho-meson form factors in the time-like region. In *Physical Review C. Nuclear physics*, 2012, vol. 85, no. 4, 048201. (2011: 3.308 - IF, 2.962 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.85.048201>

Ohlasy:

1. [1.1] CARRILLO-SERRANO, Manuel E. - BENTZ, Wolfgang - CLOET, Ian C. - THOMAS, Anthony W. rho meson form factors in a confining Nambu-Jona-Lasinio model. In *PHYSICAL REVIEW C*. ISSN 0556-2813, 2015, vol. 92, no. 1, 015212., Registrované v: WOS
2. [1.1] DE MELO, J. P. B. C. - JI, Chueng-Ryong - FREDERICO, T. The rho-meson time-like form factors in sub-leading pQCD. In *PHYSICS LETTERS B*. ISSN 0370-2693, 2016, vol. 763, pp. 87-93., Registrované v: WOS
3. [1.1] DE MELO, J. P. B. C. - FREDERICO, T. - JI, Chueng-Ryong. Spin-1 Particles and Perturbative QCD. In *FEW-BODY SYSTEMS*. ISSN 0177-7963, 2018, vol. 59, no. 4, UNSP 59., Registrované v: WOS

ADCA226 DE BOISSIEU, M. - FRANCOUAL, S. - MIHALKOVIČ, Marek - SHIBATA, K. - BARON, A.Q.R. - SIDIS, Y. - ISHIMASA, T. - WU, D. - LOGRASSO, T. - REGNAULT, L.-P. - GAHLER, F. - TSUTSUI, S. - HENNION, B. - BASTIE, P. - SATO, T.J. - TAKAKURA, H. - CURRAT, R. - TSAI, A.P. Lattice dynamics of the Zn-Mg-Sc icosahedral quasicrystal and its Zn-Sc periodic 1/1 approximant. In *Nature Materials*, 2007, vol. 6, no. 12, p. 977-984. (2006: 19.194 - IF, Q1 - JCR,

9.562 - SJR, Q1 - SJR, Current Contents - CCC). (2007 - Current Contents). ISSN 1476-1122. Dostupné na: <https://doi.org/10.1038/nmat2044>

Ohlasy:

1. [1.1] BEEKMAN, Matt - CAHILL, David G. Inorganic Crystals with Glass-Like and Ultralow Thermal Conductivities. In CRYSTAL RESEARCH AND TECHNOLOGY. ISSN 0232-1300, 2017, vol. 52, no. 10, 1700114., Registrované v: WOS
2. [1.1] MARIETTE, Celine - RABILLER, Philippe - GUERIN, Laurent - TOUDIC, Bertrand. Crystallography and dynamics in superspace. In JDN 22 CRYSTALLOGRAPHY AND NEUTRONS. ISSN 2100-014X, 2017, vol. 155, UNSP 00004., Registrované v: WOS
3. [1.1] ROGALEV, V. A. - GROENING, O. - WIDMER, R. - DIL, J. H. - BISTI, F. - LEV, L. L. - SCHMITT, T. - STROCOV, V. N. Fermi states and anisotropy of Brillouin zone scattering in the decagonal Al-Ni-Co quasicrystal. In NATURE COMMUNICATIONS. ISSN 2041-1723, 2015, vol. 6, 8607., Registrované v: WOS
4. [1.1] STRZALKA, Radoslaw - BUGANSKI, Ireneusz - KUCZERA, Pawel - PYTLIK, Lucjan - WOLNY, Janusz. Atomic Structure of Decagonal Al-Cu-Rh Quasicrystal-Revisited: New Correction for Phonons. In CRYSTALS. ISSN 2073-4352, 2019, vol. 9, no. 2, 78., Registrované v: WOS
5. [1.1] STRZALKA, R. - BUGANSKI, I - SMIETANSKA, J. - WOLNY, J. STRUCTURAL DISORDER IN QUASICRYSTALS. In ARCHIVES OF METALLURGY AND MATERIALS. ISSN 1733-3490, 2020, vol. 65, no. 1, pp. 291-294., Registrované v: WOS

ADCA227 DE MARTINI, F. - BUŽEK, Vladimír - SCIARRINO, F. Experimental realization of the quantum universal NOT gate. In *Nature*, 2002, vol. 419, no. 6909, p. 815-818. (2002 - Current Contents). ISSN 0028-0836. Dostupné na: <https://doi.org/10.1038/nature01093>

Ohlasy:

1. [1.1] AHMADI, Fariba - ARAGHI, Houshang. Coexistence of magnetism and ferroelectricity in (PbTiO₃)(m)/(BaTiO₃) superlattices. In SUPERLATTICES AND MICROSTRUCTURES. ISSN 0749-6036, 2020, vol. 140, 106427., Registrované v: WOS
2. [1.1] BAE, Joonwoo. Designing quantum information processing via structural physical approximation. In REPORTS ON PROGRESS IN PHYSICS. ISSN 0034-4885, 2017, vol. 80, no. 10, 104001., Registrované v: WOS
3. [1.1] CERE, Alessandro - LEONG, Victor - KOSEN, Sandoko - SRIVATHSAN, Bharath - GULATI, Gurpreet Kaur - KURTSIEFAR, Christian. Controlling the interference of single photons emitted by independent atomic sources. In QUANTUM COMMUNICATIONS AND QUANTUM IMAGING XIII. ISSN 0277-786X, 2015, vol. 9615, UNSP 96150Q., Registrované v: WOS
4. [1.1] COELHO, A.S. et al. In PHYSICAL REVIEW LETTERS, 2016, vol. 116, 110501., Registrované v: WOS
5. [1.1] DE OLIVEIRA, A. G. - RUBIANO DA SILVA, N. - MEDEIROS DE ARAUJO, R. - SOUTO RIBEIRO, P. H. - WALBORN, S. P. Quantum Optical Description of Phase Conjugation of Vector Vortex Beams in Stimulated Parametric Down-Conversion. In PHYSICAL REVIEW APPLIED. ISSN 2331-7019, 2020, vol. 14, no. 2, 024048., Registrované v: WOS
6. [1.1] DONG, Shuai - YAO, Xin - ZHANG, Wei - CHEN, Sijing -

- ZHANG, Weijun - YOU, Lixing - WANG, Zhen - HUANG, Yidong. True Single-Photon Stimulated Four-Wave Mixing. In ACS PHOTONICS. ISSN 2330-4022, 2017, vol. 4, no. 4, pp. 746-753., Registrované v: WOS
7. [1.1] GOU, Yi-Tao - SHI, Hai-Long - WANG, Xiao-Hui - LIU, Si-Yuan. Probabilistic resumable bidirectional quantum teleportation. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2017, vol. 16, no. 11, UNSP 278., Registrované v: WOS
8. [1.1] CHENG, Pengyu - SUN, Wei - FANG, Yifei - KANG, Baojuan - LV, Wenlai - XIAO, Qiling - ZHANG, Jincang - CHEN, Fei. The evolution of spin-glass behavior in hexagonal $\text{Lu}_{1-x}\text{Ca}_x\text{MnO}_3$ single crystals. In CERAMICS INTERNATIONAL. ISSN 0272-8842, 2020, vol. 46, no. 10, pp. 15958-15962., Registrované v: WOS
9. [1.1] KLOBUS, Waldemar - LASKOWSKI, Wieslaw - PATEREK, Tomasz - WIESNIAK, Marcin - WEINFURTER, Harald. Higher dimensional entanglement without correlations. In EUROPEAN PHYSICAL JOURNAL D. ISSN 1434-6060, 2019, vol. 73, no. 2, 29., Registrované v: WOS
10. [1.1] LEONG, Victor - KOSEN, Sandoko - SRIVATHSAN, Bharath - GULATI, Gurpreet Kaur - CERE, Alessandro - KURTSIEFER, Christian. Hong-Ou-Mandel interference between triggered and heralded single photons from separate atomic systems. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 91, no. 6, 063829., Registrované v: WOS
11. [1.1] MALDONADO, Frank - JACOME, Soraya - STASHANS, Arvids. Codoping of Ni and Fe in tetragonal BaTiO_3 . In COMPUTATIONAL CONDENSED MATTER. ISSN 2352-2143, 2017, vol. 13, pp. 49-54., Registrované v: WOS
12. [1.1] MANI, Azam - KARIMIPOUR, Vahid - MEMARZADEH, Laleh. Comparison of parallel and antiparallel two-qubit mixed states. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 91, no. 1, UNSP 012304., Registrované v: WOS
13. [1.1] ROA, Luis - GROISEAU, Caspar. Probabilistic teleportation without loss of information. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 91, no. 1, 012344., Registrované v: WOS
14. [1.1] ROA, Luis - MUNOZ, Ariana - HUTIN, Alice - HECKER, Matthias. Threefold entanglement matching. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2015, vol. 14, no. 11, pp. 4113., Registrované v: WOS
15. [1.1] SCHWEMMER, Christian - KNIPS, Lukas - MINH CONG TRAN - DE ROSIER, Anna - LASKOWSKI, Wieslaw - PATEREK, Tomasz - WEINFURTER, Harald. Genuine Multipartite Entanglement without Multipartite Correlations. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 114, no. 18, 180501., Registrované v: WOS
16. [1.1] SRINIVASAN, K. - RAGHAVAN, G. Spin flip of multiqubit states in discrete phase space. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2017, vol. 50, no. 8, 085302., Registrované v: WOS
17. [1.1] TUERSUN, Yisimayili - ROUZHAHONG, Yilimiranmu - MAIMAITI, Maihemuti - SALAMU, Abidiguli - XIAERDING, Fuerkaiti - MAMAT, Mamatrishat - JING, Qun. First-principles studies on mechanical, electronic, magnetic and optical properties of new multiferroic members $\text{BiLaFe}_2\text{O}_6$ and $\text{Bi}_2\text{FeMnO}_6$: Originated from BiFeO_3 . In CURRENT APPLIED

PHYSICS. ISSN 1567-1739, 2018, vol. 18, no. 12, pp. 1473-1479., Registrované v: WOS

18. [1.1] WANG, W.B. - ZU, C. - HE, L. - ZHANG, W.G. - DUAN, L.M. Memory-built-in quantum cloning in a hybrid solid-state spin register. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2015, vol. 5, 12203., Registrované v: WOS

19. [1.1] WANG, Zhan-Yun - GOU, Yi-Tao - HOU, Jin-Xing - CAO, Li-Ke - WANG, Xiao-Hui. Probabilistic Resumable Quantum Teleportation of a Two-Qubit Entangled State. In ENTROPY, 2019, vol. 21, no. 4, 352., Registrované v: WOS

20. [1.1] ZHANG, Donghui - GAN, Yujie - CHEN, Tingkai - YANG, Shenghong - ZHANG, Yueli. Phase transition and enhanced electrical properties in $0.725\text{BiFeO}_3\text{-}0.275\text{Ba}_{0.85}\text{Ca}_{0.15}\text{Ti}_{0.9}\text{Zr}_{0.1-x}\text{Sn}_x\text{O}_3$ multiferroic ceramics. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2015, vol. 637, no., pp. 137., Registrované v: WOS

21. [1.1] ZHANG, Donghui - GAN, Yujie - CHEN, Tingkai - YANG, Shenghong - ZHANG, Yueli. Effect of La Substitution on Structural, Electrical and Magnetic Properties in BF-BCZT Ceramics. In FERROELECTRICS. ISSN 0015-0193, 2015, vol. 489, no. 1, pp. 88., Registrované v: WOS

22. [1.1] ZHANG, Kuan - MA, Jiajun - ZHANG, Xiang - THOMPSON, Jayne - VEDRAL, Vlatko - KIM, Kihwan - GU, Mile. Operational effects of the UNOT gate on classical and quantum correlations. In SCIENCE BULLETIN. ISSN 2095-9273, 2018, vol. 63, no. 12, pp. 765-770., Registrované v: WOS

ADCA228 DE OLIVEIRA, F.A.M. - KIM, M.S. - KNIGHT, P.L. - BUŽEK, Vladimír. Properties of displaced number states. In *Physical Review A*, 1990, vol. 41, no. 5, p. 2645-2652. ISSN 1050-2947. Dostupné na: <https://doi.org/10.1088/1464-4266/2/4/314>

Ohlasy:

1. [1.1] ANAYA-CONTRERAS, Jorge A. - ZUNIGA-SEGUNDO, Arturo - MOYA-CESSA, Hector M. Quasiprobability Distribution Functions from Fractional Fourier Transforms. In SYMMETRY-BASEL, 2019, vol. 11, no. 3, 344., Registrované v: WOS

2. [1.1] ANBARAKI, Azam. Entangled nonlinear displaced number states. In OPTIK. ISSN 0030-4026, 2019, vol. 176, pp. 287-294., Registrované v: WOS

3. [1.1] BAGHSHAHI, H. R. - TAVASSOLY, M. K. - AKHTARSHENAS, S. J. Generation and nonclassicality of entangled states via the interaction of two three-level atoms with a quantized cavity field assisted by a driving external classical field. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2015, vol. 14, no. 4, pp. 1279., Registrované v: WOS

4. [1.1] BRUNELLI, M. - XUEREB, A. - FERRARO, A. - DE CHIARA, G. - KIESEL, N. - PATERNOSTRO, M. Out-of-equilibrium thermodynamics of quantum optomechanical systems. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2015, vol. 17, 035016., Registrované v: WOS

5. [1.1] DEGHANI, A. - MOJAVERI, B. Photon-added and photon-depleted "semi"-coherent field: Non-classical properties. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2017, vol. 132, no. 11, 502., Registrované v: WOS

6. [1.1] EKMAN, Robin - ILBERTON, Anton. Backreaction in strong

- field QED: A toy model. In PHYSICAL REVIEW D. ISSN 1550-7998, 2020, vol. 101, no. 5, 056022. Dostupné na: <https://doi.org/10.1103/PhysRevD.101.056022>., Registrované v: WOS
7. [1.1] FIROUZABADI, N. Asili - TAVASSOLY, M. K. - FAGHIHI, M. J. Algebraic and group treatments to nonlinear displaced number states and their nonclassicality features: A new approach. In CHINESE PHYSICS B. ISSN 1674-1056, 2015, vol. 24, no. 6, 064204., Registrované v: WOS
 8. [1.1] GAGGE, Axel - LARSON, Jonas. Bloch-like energy oscillations. In PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 98, no. 5, 053820., Registrované v: WOS
 9. [1.1] GOMBKOTO, Akos - VARRO, Sandor - MATI, Peter - FOLDI, Peter. High-order harmonic generation as induced by a quantized field: Phase-space picture. In PHYSICAL REVIEW A. ISSN 2469-9926, 2020, vol. 101, no. 1, 013418. Dostupné na: <https://doi.org/10.1103/PhysRevA.101.013418>., Registrované v: WOS
 10. [1.1] HEERES, R.W. et al. Cavity state manipulation . In PHYSICAL REVIEW LETTERS, 2015, vol. 115, 137002., Registrované v: WOS
 11. [1.1] HUAI, Sai-Nan - LIU, Yu-Long - ZHANG, Yunbo - LIU, Yu-Xi. Mechanically modulated emission spectra and blockade of polaritons in a hybrid semiconductor-optomechanical system. In PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 98, no. 3, 033825., Registrované v: WOS
 12. [1.1] HWANG, Myung-Joong - KIM, M. S. - CHOI, Mahn-Soo. Recurrent Delocalization and Quasiequilibration of Photons in Coupled Systems in Circuit Quantum Electrodynamics. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2016, vol. 116, no. 15, 153601., Registrované v: WOS
 13. [1.1] CHEN, Lipeng - BORRELLI, Raffaele - ZHAO, Yang. Dynamics of Coupled Electron-Boson Systems with the Multiple Davydov D-1 Ansatz and the Generalized Coherent State. In JOURNAL OF PHYSICAL CHEMISTRY A. ISSN 1089-5639, 2017, vol. 121, no. 46, pp. 8757-8770., Registrované v: WOS
 14. [1.1] CHOI, Jeong Ryeol. Superposition states for quantum nanoelectronic circuits and their nonclassical properties. In INTERNATIONAL NANO LETTERS. ISSN 2008-9295, 2017, vol. 7, no. 1, pp. 69-77., Registrované v: WOS
 15. [1.1] JIANG, Li-ying - GUO, Qin - XU, Xue-xiang - CAI, Ming - YUAN, Wen - DUAN, Zheng-lu. Dynamics and nonclassical properties of an opto-mechanical system prepared in four-headed cat state and number state. In OPTICS COMMUNICATIONS. ISSN 0030-4018, 2016, vol. 369, no., pp. 179-188., Registrované v: WOS
 16. [1.1] LEMOS DE MELO, J. - BAKKE, K. - FURTADO, C. Berry's phase for displaced Landau-He-McKellar-Wilkens states. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2016, vol. 131, no. 5, 20001., Registrované v: WOS
 17. [1.1] LIAO, Jie-Qiao - HUANG, Jin-Feng - TIAN, Lin. Generation of macroscopic Schrodinger-cat states in qubit-oscillator systems. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 93, no. 3, 033853., Registrované v: WOS
 18. [1.1] LIAO, Jie-Qiao - HUANG, Jin-Feng - TIAN, Lin - KUANG, Le-Man - SUN, Chang-Pu. Generalized ultrastrong optomechanical-like coupling. In PHYSICAL REVIEW A. ISSN 2469-9926, 2020, vol. 101, no. 6,

063802. Dostupné na: <https://doi.org/10.1103/PhysRevA.101.063802.>,
Registrované v: WOS

19. [1.1] LIAO, Jie-Qiao - TIAN, Lin. Macroscopic Quantum Superposition in Cavity Optomechanics. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2016, vol. 116, no. 16, 163602., Registrované v: WOS
20. [1.1] LO, Ping-Yuan - XIONG, Heng-Na - ZHANG, Wei-Min. Breakdown of Bose-Einstein Distribution in Photonic Crystals. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2015, vol. 5, 9423., Registrované v: WOS
21. [1.1] MACRIDIN, Alexandru - SPENTZOURIS, Panagiotis - AMUNDSON, James - HARNIK, Roni. Digital quantum computation of fermion-boson interacting systems. In PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 98, no. 4, 042312., Registrované v: WOS
22. [1.1] MALPANI, Priya - ALAM, Nasir - THAPLIYAL, Kishore - PATHAK, Anirban - NARAYANAN, V. - BANERJEE, Subhashish. Lower- and Higher-Order Nonclassical Properties of Photon Added and Subtracted Displaced Fock States. In ANNALEN DER PHYSIK. ISSN 0003-3804, 2019, vol. 531, no. 2, 1800318., Registrované v: WOS
23. [1.1] MALPANI, Priya - THAPLIYAL, Kishore - ALAM, Nasir - PATHAK, Anirban - NARAYANAN, V. - BANERJEE, Subhashish. Impact of photon addition and subtraction on nonclassical and phase properties of a displaced Fock state. In OPTICS COMMUNICATIONS. ISSN 0030-4018, 2020, vol. 459, 124964. Dostupné na: <https://doi.org/10.1016/j.optcom.2019.124964.>, Registrované v: WOS
24. [1.1] MARKOVICH, L. A. - MESSINA, A. The fertile marriage between the two Glauber parity and displacement operators. In PHYSICA SCRIPTA. ISSN 0031-8949, 2020, vol. 95, no. 7, 074008. Dostupné na: <https://doi.org/10.1088/1402-4896/ab90c0.>, Registrované v: WOS
25. [1.1] MOJAVERI, B. - DEGHANI, A. - BAHRBEIG, R. Jafarzadeh. Nonlinear coherent states of the para-Bose oscillator and their non-classical features. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2018, vol. 133, no. 12, 529., Registrované v: WOS
26. [1.1] MOYA-CESSA, Hector M. Fast Quantum Rabi Model with Trapped Ions. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2016, vol. 6., Registrované v: WOS
27. [1.1] OH, Changhun - PARK, Kimin - FILIP, Radim - JEONG, Hyunseok - MAREK, Petr. Optical estimation of unitary Gaussian processes without phase reference using Fock states. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2020, vol. 22, no. 12, 123039. Dostupné na: <https://doi.org/10.1088/1367-2630/abd0b8.>, Registrované v: WOS
28. [1.1] OJEDA-GUILLEN, D. - SALAZAR-RAMIREZ, M. - MOTA, R. D. - GRANADOS, V. D. SU (1,1) and SU (2) Perelomov number coherent states: algebraic approach for general systems. In JOURNAL OF NONLINEAR MATHEMATICAL PHYSICS. ISSN 1402-9251, 2016, vol. 23, no. 4, pp. 607-619., Registrované v: WOS
29. [1.1] OTHMAN, Anas. TELEPORTATION VIA THE ENTANGLED DERIVATIVE OF COHERENT STATE. In QUANTUM INFORMATION & COMPUTATION. ISSN 1533-7146, 2019, vol. 19, no. 1-2, pp. 14-22., Registrované v: WOS
30. [1.1] PENG, Ji-Zhu - CHEN, Meng-Ran - LIU, Bing - XU, Ye-Jun. Nonclassical Properties in Optomechanical System Controlled by Single-photon

- Catalysis. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2020, vol. 59, no. 1, pp. 261-273. Dostupné na: <https://doi.org/10.1007/s10773-019-04321-2>, Registrované v: WOS
31. [1.1] PEREZ-LEIJA, Armando - SZAMEIT, Alexander - RAMOS-PRIETO, Iran - MOYA-CESSA, Hector - CHRISTODOULIDES, Demetrios N. Generalized Schrodinger cat states and their classical emulation. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 93, no. 5, 053815., Registrované v: WOS
32. [1.1] PODOSHVEDOV, Sergey A. Elementary quantum gates in different bases. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2016, vol. 15, no. 10, pp. 3967-3993., Registrované v: WOS
33. [1.1] RODRIGUEZ-LARA, B. M. - SOTO-EGUIBAR, Francisco - CHRISTODOULIDES, Demetrios N. Quantum optics as a tool for photonic lattice design. In PHYSICA SCRIPTA. ISSN 0031-8949, 2015, vol. 90, no. 6, 068014., Registrované v: WOS
34. [1.1] RODRIGUEZ-LIMA, J. - AREVALO AGUILAR, L. M. Collapses and revivals of entanglement in phase space in an optomechanical cavity. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2020, vol. 135, no. 6. Dostupné na: <https://doi.org/10.1140/epjp/s13360-020-00401-z>, Registrované v: WOS
35. [1.1] SESHADREESAN, Kaushik P. - WILDFEUER, Christoph F. - KIM, Moochan B. - LEE, Hwang - DOWLING, Jonathan P. On the connection between quantum nonlocality and phase sensitivity of two-mode entangled Fock state superpositions. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2016, vol. 15, no. 3, pp. 1025-1042., Registrované v: WOS
36. [1.1] SHRINGARPURE, S. U. - FRANSON, J. D. Generating photon-added states without adding a photon. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 4, 043802., Registrované v: WOS
37. [1.1] SOTO-EGUIBAR, F. - ZUNIGA-SEGUNDO, A. - RODRIGUEZ-LARA, B. M. - MOYA-CESSA, H. M. Ultracold two-level atom in a quadratic potential. In OPTICS COMMUNICATIONS. ISSN 0030-4018, 2015, vol. 349, pp. 120., Registrované v: WOS
38. [1.1] SYCHEV, Demid V. - NOVIKOV, Valeriy A. - PIROV, Khurram K. - SIMON, Christoph - LVOVSKY, Alexander I. Entanglement of macroscopically distinct states of light. In OPTICA. ISSN 2334-2536, 2019, vol. 6, no. 11, pp. 1425-1430., Registrované v: WOS
39. [1.1] TORREAO, Jose R. A. - AMARAL, Marcos S. Quantum-like signal-tuned approach to V1 modeling. In INTERNATIONAL JOURNAL OF MODERN PHYSICS C. ISSN 0129-1831, 2019, vol. 30, no. 5, 1950032., Registrované v: WOS
40. [1.1] TUREK, Yusuf - KOBAYASHI, Hirokazu - AKUTSU, Tomotada - SUN, Chang-Pu - SHIKANO, Yutaka. Post-selected von Neumann measurement with Hermite-Gaussian and Laguerre-Gaussian pointer states. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2015, vol. 17, 083029., Registrované v: WOS
41. [1.1] URIA, M. - SOLANO, P. - HERMANN-AVIGLIANO, C. Deterministic Generation of Large Fock States. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2020, vol. 125, no. 9, 093603. Dostupné na: <https://doi.org/10.1103/PhysRevLett.125.093603>, Registrované v: WOS
42. [1.1] VASIL'EV, Peter P. - PENTY, Richard. Wigner function and

photon number distribution of a superradiant state in semiconductor heterostructures. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2020, vol. 22, no. 8, 083046. Dostupné na: <https://doi.org/10.1088/1367-2630/aba3e8>., Registrované v: WOS

43. [1.1] WANG, Kai - PEREZ-LEIJA, Armando - WEIMANN, Steffen - SZAMEIT, Alexander. Non-adiabatic dynamic-phase-free geometric phase in multiport photonic lattices. In JOURNAL OF OPTICS. ISSN 2040-8978, 2020, vol. 22, no. 3, 035801. Dostupné na: <https://doi.org/10.1088/2040-8986/ab68f2>., Registrované v: WOS

44. [1.1] WANG, Siwei - LEE, Ming-Wei - CHUANG, Yi-Ting - SCHOLLES, Gregory D. - HSU, Liang-Yan. Theory of molecular emission power spectra. I. Macroscopic quantum electrodynamics formalism. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2020, vol. 153, no. 18, 184102. Dostupné na: <https://doi.org/10.1063/5.0027796>., Registrované v: WOS

45. [1.1] WOLF, Fabian - SHI, Chunyan - HEIP, Jan C. - GESSNER, Manuel - PEZZE, Luca - SMERZI, Augusto - SCHULTE, Marius - HAMMERER, Klemens - SCHMIDT, Piet O. Motional Fock states for quantum-enhanced amplitude and phase measurements with trapped ions. In NATURE COMMUNICATIONS. ISSN 2041-1723, 2019, vol. 10, 2929., Registrované v: WOS

46. [1.1] YANG, Yuxiang - BAI, Ge - CHIRIBELLA, Giulio - HAYASHI, Masahito. Compression for Quantum Population Coding. In IEEE TRANSACTIONS ON INFORMATION THEORY. ISSN 0018-9448, 2018, vol. 64, no. 7, pp. 4766-4783., Registrované v: WOS

47. [1.1] YAZDANPANAH, N. - TAVASSOLY, M. K. - JUAREZ-AMARO, R. - MOYA-CESSA, H. M. Reconstruction of quasiprobability distribution functions of the cavity field considering field and atomic decays. In OPTICS COMMUNICATIONS. ISSN 0030-4018, 2017, vol. 400, pp. 69-73., Registrované v: WOS

48. [1.1] ZHANG, Lin - ZHANG, Weiping. Lie transformation method on quantum state evolution of a general time-dependent driven and damped parametric oscillator. In ANNALS OF PHYSICS. ISSN 0003-4916, 2016, vol. 373, no., pp. 424-455., Registrované v: WOS

49. [1.1] ZHAO, Yan-Jun - LIU, Yu-Long - LIU, Yu-xi - NORI, Franco. Generating nonclassical photon states via longitudinal couplings between superconducting qubits and microwave fields. In PHYSICAL REVIEW A. ISSN 2469-9926, 2015, vol. 91, no. 5, 053820., Registrované v: WOS

50. [1.1] ZHOU, Yue-Hui - TAN, Qing-Shou - FANG, Xi-Ming - HUANG, Jin-Feng - LIAO, Jie-Qiao. Spectrometric detection of weak forces in cavity optomechanics. In OPTICS EXPRESS. ISSN 1094-4087, 2020, vol. 28, no. 19, pp. 28620-28634. Dostupné na: <https://doi.org/10.1364/OE.398161>., Registrované v: WOS

51. [1.1] ZOU, Fen - FAN, Li-Bao - HUANG, Jin-Feng - LIAO, Jie-Qiao. Enhancement of few-photon optomechanical effects with cross-Kerr nonlinearity. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 99, no. 4, 043837., Registrované v: WOS

ADCA229 DEANKO, Martin - PALUGA, Marek - KEPAPTSOGLOU, D.M. - MÜLLER, Dušan - MRAFKO, Peter - JANIČKOVIČ, Dušan - HRISTOFOROU, E. - ŠKORVÁNEK, Ivan - ŠVEC, Peter. Peculiarities of electrical resistivity during

transformations in amorphous and nanocrystalline alloys. In *Journal of Alloys and Compounds*, 2007, vol. 434-435, p. 248-251. (2006: 1.250 - IF, Q1 - JCR, 0.901 - SJR, Q1 - SJR, Current Contents - CCC). (2007 - Current Contents, WOS, SCOPUS). ISSN 0925-8388.

Ohlasy:

1. [1.1] PAPADOPOULOU, S. Correlating elastic and plastic deformation with magnetic permeability values. In 6TH INTERNATIONAL CONFERENCE ON MATERIALS AND APPLICATIONS FOR SENSORS AND TRANSDUCERS, (IC-MAST 2016). ISSN 1742-6588, 2017, vol. 939, art. no. UNSP 012003., Registrované v: WOS
2. [1.1] SMILI, B. - MESSAOUD, A. - BOUCHELACHEM, W. - ABADLIA, L. - FAZEL, N. - BENMOUSSA, A. - KABAN, I. - GASSER, F. - GASSER, J. G. Temperature dependence of the electrical resistivity and absolute thermoelectric power of amorphous metallic glass Ni_{33.3}Zr_{66.7}. In JOURNAL OF NON-CRYSTALLINE SOLIDS. ISSN 0022-3093, 2018, vol. 481, pp. 352-360., Registrované v: WOS

ADCA230 DEGRO, J. - VOJTANIK, P. - FILIPENSKY, J. - DUHAJ, Pavol. Influence of thermal treatment on the magnetic properties of Co-based and Fe-based amorphous alloys. In *Journal of Magnetism and Magnetic Materials*, 1992, vol. 117, no. 1-2, p. 251-258. (1991: 1.300 - IF, Current Contents - CCC). (1992 - Current Contents). ISSN 0304-8853. Dostupné na: [https://doi.org/10.1016/0304-8853\(92\)90318-I](https://doi.org/10.1016/0304-8853(92)90318-I)

Ohlasy:

1. [1.1] WANG, Qianqian - ZHOU, Jing - ZENG, Qiaoshi - ZHANG, Genlei - YIN, Kuibo - LIANG, Tao - YANG, Weiming - STOICA, Mihai - SUN, Litao - SHEN, Baolong. Ductile Co-based bulk metallic glass with superhigh strength and excellent soft magnetic properties induced by modulation of structural heterogeneity. In MATERIALIA. ISSN 2589-1529, 2020, vol. 9, 100561., Registrované v: WOS

ADCA231 DEL DEBBIO, L. - FABER, M. - OLEJNÍK, Štefan. Casimir scaling versus Abelian dominance in QCD string formation. In *Physical Review D*, 1996, vol. 53, no. 10, p. 5891-5897. ISSN 1550-7998.

Ohlasy:

1. [1.1] BIRO, Tamas S. - JAKOVAC, Antal - SCHRAM, Zsolt. Nuclear and quark matter at high temperature. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2017, vol. 53, no. 3, 52., Registrované v: WOS
2. [1.1] GIATAGANAS, Dimitrios. k-strings as fundamental strings. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, vol. 05, no. 5, 134., Registrované v: WOS
3. [1.1] KONDO, Kei-Ichi - KATO, Seikou - SHIBATA, Akihiro - SHINOHARA, Toru. Quark confinement: Dual superconductor picture based on a non-Abelian Stokes theorem and reformulations of Yang-Mills theory. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, 2015, vol. 579, pp. 1-226., Registrované v: WOS
4. [1.1] MATSUDO, Ryutaro - SHIBATA, Akihiro - KATO, Seikou - KONDO, Kei-Ichi. How to extract the dominant part of the Wilson loop average in higher representations. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 100, no. 1, 014505., Registrované v: WOS
5. [1.1] NEJAD, Seyed Mohsen Hosseini - DELDAR, Sedigheh.

Correlations between Abelian monopoles and center vortices. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2017, vol. 917, pp. 272-285., Registrované v: WOS

6. [3.1] GIATAGANAS, D. Properties of confinement in holography. In PROCEEDINGS OF SCIENCE, 2015, p. 150.

ADCA232 DEL DEBBIO, L. - FABER, M. - GREENSITE, J. - OLEJNÍK, Štefan. Center dominance and $Z(2)$ vortices in $SU(2)$ lattice gauge theory. In *Physical Review D*, 1997, vol. 55, no. 4, p. 2298-2306. ISSN 1550-7998.

Ohlasy:

1. [1.1] AGUILAR, A. C. - BINOSI, D. - PAPAVALASSILIOU, J. The gluon mass generation mechanism: A concise primer. In FRONTIERS OF PHYSICS. ISSN 2095-0462, 2016, vol. 11, no. 2, 111203., Registrované v: WOS

2. [1.1] AHMADI, Alireza - RAFIBAKHSH, Shahnoosh. Three Quark Static Potential in the Thick Center Vortex Model. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2017, vol. 56, no. 6, pp. 2038-2051., Registrované v: WOS

3. [1.1] AHMADI, Alireza - RAFIBAKHSH, Shahnoosh. Confinement Through a Two Dimensional Flux of the Thick Center Vortices. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2017, vol. 56, no. 2, pp. 386-395., Registrované v: WOS

4. [1.1] ALTARAWNEH, Derar - ENGELHARDT, Michael - HOELLWIESER, Roman. Model of random center vortex lines in continuous 2+1-dimensional spacetime. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 11, 114506., Registrované v: WOS

5. [1.1] ALTARAWNEH, Derar - HOELLWIESER, Roman - ENGELHARDT, Michael. Confining bond rearrangement in the random center vortex model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, 054007., Registrované v: WOS

6. [1.1] ALTARAWNEH, Derar - HOELLWIESER, Roman - FABER, Manfred. Plane Center Vortices and Fractional Topological Charge. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2020, vol. 59, no. 8, pp. 2397-2403., Registrované v: WOS

7. [1.1] BIDDLE, James C. - KAMLEH, Waseem - LEINWEBER, Derek B. Gluon propagator on a center-vortex background. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 9, 094504., Registrované v: WOS

8. [1.1] BRUNO, Mattia - CASELLE, Michele - PANERO, Marco - PELLEGRINI, Roberto. Exceptional thermodynamics: the equation of state of $G(2)$ gauge theory. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, vol.03, no. 3, 057., Registrované v: WOS

9. [1.1] BURGIO, Giuseppe - QUANDT, Markus - REINHARDT, Hugo - VOGT, Hannes. Coulomb versus physical string tension on the lattice. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 3, 034518., Registrované v: WOS

10. [1.1] BURGIO, G. - REINHARDT, H. Topological order and the vacuum of Yang-Mills theories. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 2, 025021., Registrované v: WOS

11. [1.1] FABER, Manfred - HOELLWIESER, Roman. How center vortices break chiral symmetry. In AIP CONFERENCE PROCEEDINGS, 2016,

vol. 1701., Registrované v: WOS

12. [1.1] FIORENTINI, D. - JUNIOR, D. R. - OXMAN, L. E. - SOBREIRO, R. F. Renormalizability of the center-vortex free sector of Yang-Mills theory. In PHYSICAL REVIEW D. ISSN 2470-0010, 2020, vol. 101, no. 8, 085007., Registrované v: WOS

13. [1.1] FUKUSHIMA, Kimichika - SATO, Hikaru. Toward construction of a consistent field theory with Poincare covariance in terms of step-function-type basis functions for gauge fields. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 21, 1730017., Registrované v: WOS

14. [1.1] HIRAGUCHI, Atsuki - ISHIGURO, Katsuya - SUZUKI, Tsuneo. New Abelian-like monopoles and the dual Meissner effect. In PHYSICAL REVIEW D. ISSN 2470-0010, 2020, vol. 102, no. 11, 114504., Registrované v: WOS

15. [1.1] HOELLWIESER, Roman - ENGELHARDT, Michael. Approaching SU(2) gauge dynamics with smeared Z(2) vortices. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 3, 034502., Registrované v: WOS

16. [1.1] HOLLWIESER, R.- ALTARAWNEH, D. Center vortices, area law and the catenary solution. In JOURNAL OF MODERN PHYSICS, A30, 2015, 1550207., Registrované v: WOS

17. [1.1] JUNIOR, David R. - OXMAN, Luis E. - SIMOES, Gustavo M. BPS strings and the stability of the asymptotic Casimir law in adjoint flavor-symmetric Yang-Mills-Higgs models. In PHYSICAL REVIEW D. ISSN 2470-0010, 2020, vol. 102, no. 7, 074005., Registrované v: WOS

18. [1.1] JUNIOR, D. R. - OXMAN, L. E. - SIMOES, G. M. 3D Yang-Mills confining properties from a non-Abelian ensemble perspective. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2020, no. 1, 180., Registrované v: WOS

19. [1.1] KONDO, Kei-Ichi - KATO, Seikou - SHIBATA, Akihiro - SHINOHARA, Toru. Quark confinement: Dual superconductor picture based on a non-Abelian Stokes theorem and reformulations of Yang-Mills theory. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, 2015, vol. 579, pp. 1-226., Registrované v: WOS

20. [1.1] MATSUDO, R.- KONDO, KEI-ICHI. Gauge-covariant decomposition. In PHYSICAL REVIEW D, 2016, VOL. 94, 045004., Registrované v: WOS

21. [1.1] NEJAD, Seyed Mohsen Hosseini - DELDAR, Sedigheh. Correlations between Abelian monopoles and center vortices. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2017, vol. 917, pp. 272-285., Registrované v: WOS

22. [1.1] NEJAD, Seyed Mohsen Hosseini. Fractional topological charges and the lowest Dirac modes. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 9, 094513., Registrované v: WOS

23. [1.1] NEJAD, Seyed Mohsen Hosseini. Combining the color structures and intersection points of thick center vortices and low-lying Dirac modes. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 5, 054516., Registrované v: WOS

24. [1.1] NEJAD, Seyed Mohsen Hosseini. Domain structures and quark potentials in SU(3) gauge theory. In PHYSICAL REVIEW D. ISSN 2470-0010,

- 2019, vol. 100, no. 11, 114504., Registrované v: WOS
25. [1.1] OXMAN, Luis E. $SU(N) > Z(N)$ dual superconductor models: the magnetic loop ensemble point of view. In XIITH QUARK CONFINEMENT AND THE HADRON SPECTRUM. ISSN 2100-014X, 2017, vol. 137, UNSP 03015., Registrované v: WOS
26. [1.1] OXMAN, L. E. 4D ensembles of percolating center vortices and monopole defects: The emergence of flux tubes with N-ality and gluon confinement. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 3, 036018., Registrované v: WOS
27. [1.1] OXMAN, L. E. - REINHARDT, H. Effective theory of the $D=3$ center vortex ensemble. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 3, 177., Registrované v: WOS
28. [1.1] OXMAN, L. E. - SIMOES, G. M. k-strings with exact Casimir law and Abelian-like profiles. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 99, no. 1, 016011., Registrované v: WOS
29. [1.1] OXMAN, L. E. - VERCAUTEREN, D. Exploring center strings in $SU(2)$ and $SU(3)$ relativistic Yang-Mills-Higgs models. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 2, 025001., Registrované v: WOS
30. [1.1] PAPAVALASSILIOU, J. Unraveling the organization of the QCD tapestry. In 4TH SYMPOSIUM ON PROSPECTS IN THE PHYSICS OF DISCRETE SYMMETRIES (DISCRETE2014). ISSN 1742-6588, 2015, vol. 631, 012006., Registrované v: WOS
31. [1.1] RAFIBAKHSH, S.- AHMADI, A. Two dimensional thick center vortex model. In AIP CONFERENCE PROCEEDINGS, 2016, vol. 1701, p. 100015., Registrované v: WOS
32. [1.1] SPENGLER, Felix - QUANDT, Markus - REINHARDT, Hugo. Branching of center vortices in $SU(3)$ lattice gauge theory. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 9, 094508., Registrované v: WOS
33. [1.1] SUZUKI, Tsuneo - ISHIGURO, Katsuya - BORNYAKOV, Vitaly. New scheme for color confinement and violation of the non-Abelian Bianchi identities. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 3, 034501., Registrované v: WOS
34. [1.1] SUZUKI, Tsuneo. Blockspin renormalization-group study of color confinement due to violation of the non-Abelian Bianchi identity. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 3, 034509., Registrované v: WOS
35. [1.1] TREWARTHA, Daniel - KAMLEH, Waseem - LEINWEBER, Derek. Evidence that centre vortices underpin dynamical chiral symmetry breaking in $SU(3)$ gauge theory. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 747, pp. 373., Registrované v: WOS
36. [1.1] TREWARTHA, Daniel - KAMLEH, Waseem - LEINWEBER, Derek. Connection between center vortices and instantons through gauge-field smoothing. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 7, 074507., Registrované v: WOS
37. [1.1] TREWARTHA, Daniel - KAMLEH, Waseem - LEINWEBER, Derek B. Centre vortex removal restores chiral symmetry. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2017, vol. 44, no. 12, 125002., Registrované v: WOS

38. [1.1] ZHUKOVSKY, V. Ch. - FANASKOV, V. S. A Savvidy vacuum with center vortices. In MOSCOW UNIVERSITY PHYSICS BULLETIN. ISSN 0027-1349, 2016, vol. 71, no. 1, pp. 65-69., Registrované v: WOS
39. [3.1] HOLLWIESER, R.- ENGELHARDT, M. Smearing center vortices. In PROCEEDINGS OF SCIENCE, 2015, p. 356.
40. [3.1] OXMAN, L.E. Hybrid mesons as systems of confined monopoles. In PREPRINT HEP-PH/1506.05186, 2015.
41. [3.1] Seyed Mohsen Hosseini NEJAD. Intersection of plane vortices. In PREPRINT HEP-LAT/1606.04887, 2016.
42. [3.1] TREWARTHA, D.- KAMLEH, W.- LEINWEBER, D. Centre vortex effects on the overlap quark propagator. In PROCEEDINGS OF SCIENCE, 2015, p. 357.

ADCA233 DEL DEBBIO, L. - FABER, M. - GREENSITE, J. - OLEJNÍK, Štefan. Center vortices and the asymptotic string tension. In *Nuclear Physics B - Proceedings Supplements*, 1998, vol. 63, p. 552-554. ISSN 0920-5632.

Ohlasy:

1. [1.1] RAFIBAKHSH, Shahnoosh - AHMADI, Alireza. Two Dimensional Thick Center Vortex Model. In AIP CONFERENCE PROCEEDINGS, 2016, vol. 1701, pp. 100015., Registrované v: WOS
2. [3.1] AHMADI, A.- RAFIBAKHSH, S. The role of non-quantized fluxes . In PREPRINT HEP-PH/1504.02877, 2015.

ADCA234 DEL DEBBIO, L. - FABER, M. - GIEDT, J. - GREENSITE, J. - OLEJNÍK, Štefan. Detection of center vortices in the lattice Yang-Mills vacuum. In *Physical Review D*, 1998, vol. 58, no. 9, 094501. (1997: 3.420 - IF, Current Contents - CCC). (1998 - Current Contents, WOS, SCOPUS). ISSN 1550-7998.

Ohlasy:

1. [1.1] ALTARAWNEH, Derar - HOELLWIESER, Roman - ENGELHARDT, Michael. Confining bond rearrangement in the random center vortex model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, 054007., Registrované v: WOS
2. [1.1] BIDDLE, James C. - KAMLEH, Waseem - LEINWEBER, Derek B. Gluon propagator on a center-vortex background. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 9, 094504., Registrované v: WOS
3. [1.1] BIDDLE, James C. - KAMLEH, Waseem - LEINWEBER, Derek B. Visualization of center vortex structure. In PHYSICAL REVIEW D. ISSN 2470-0010, 2020, vol. 102, no. 3, 034504., Registrované v: WOS
4. [1.1] BURGIO, Giuseppe - QUANDT, Markus - REINHARDT, Hugo - VOGT, Hannes. Coulomb versus physical string tension on the lattice. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 3, 034518., Registrované v: WOS
5. [1.1] CAMPAGNARI, Davide - REINHARDT, Hugo. Equal-time quark propagator in Coulomb gauge. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 100, no. 11, 114042., Registrované v: WOS
6. [1.1] FIORENTINI, D. - JUNIOR, D. R. - OXMAN, L. E. - SOBREIRO, R. F. Renormalizability of the center-vortex free sector of Yang-Mills theory. In PHYSICAL REVIEW D. ISSN 2470-0010, 2020, vol. 101,

no. 8, 085007., Registrované v: WOS

7. [1.1] GOLUBICH, Rudolf - FABER, Manfred. THE ROAD TO SOLVING THE GRIBOV PROBLEM OF THE CENTER VORTEX MODEL IN QUANTUM CHROMODYNAMICS. In ACTA PHYSICA POLONICA B PROCEEDINGS SUPPLEMENT. ISSN 1899-2358, 2020, vol. 13, no. 1, pp. 59-64., Registrované v: WOS

8. [1.1] HIRAGUCHI, Atsuki - ISHIGURO, Katsuya - SUZUKI, Tsuneo. New Abelian-like monopoles and the dual Meissner effect. In PHYSICAL REVIEW D. ISSN 2470-0010, 2020, vol. 102, no. 11, 114504., Registrované v: WOS

9. [1.1] HOELLWIESER, Roman - ALTARAWNEH, Derar. Center vortices, area law and the catenary solution. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 34, 1550207., Registrované v: WOS

10. [1.1] HOELLWIESER, Roman - ENGELHARDT, Michael. Approaching SU(2) gauge dynamics with smeared Z(2) vortices. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 3, 034502., Registrované v: WOS

11. [1.1] JUNIOR, David R. - OXMAN, Luis E. - SIMOES, Gustavo M. BPS strings and the stability of the asymptotic Casimir law in adjoint flavor-symmetric Yang-Mills-Higgs models. In PHYSICAL REVIEW D. ISSN 2470-0010, 2020, vol. 102, no. 7, 074005., Registrované v: WOS

12. [1.1] JUNIOR, D. R. - OXMAN, L. E. - SIMOES, G. M. 3D Yang-Mills confining properties from a non-Abelian ensemble perspective. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2020, no. 1, 180., Registrované v: WOS

13. [1.1] KONDO, Kei-Ichi - KATO, Seikou - SHIBATA, Akihiro - SHINOHARA, Toru. Quark confinement: Dual superconductor picture based on a non-Abelian Stokes theorem and reformulations of Yang-Mills theory. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, 2015, vol. 579, pp. 1-226., Registrované v: WOS

14. [1.1] MATSUDO, Ryutaro - KONDO, Kei-Ichi. Gauge-covariant decomposition and magnetic monopole for G(2) Yang-Mills field. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 4, 045004., Registrované v: WOS

15. [1.1] OXMAN, L. E. 4D ensembles of percolating center vortices and monopole defects: The emergence of flux tubes with N-ality and gluon confinement. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 3, 036018., Registrované v: WOS

16. [1.1] OXMAN, L. E. - REINHARDT, H. Effective theory of the D=3 center vortex ensemble. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 3, 177., Registrované v: WOS

17. [1.1] OXMAN, L. E. - SIMOES, G. M. k-strings with exact Casimir law and Abelian-like profiles. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 99, no. 1, 016011., Registrované v: WOS

18. [1.1] REINHARDT, H. - BURGIO, G. - CAMPAGNARI, D. - EBADATI, E. - HEFFNER, J. - QUANDT, M. - VASTAG, P. - VOGT, H. Hamiltonian approach to QCD in Coulomb gauge at zero and finite temperature. In XIITH QUARK CONFINEMENT AND THE HADRON SPECTRUM. ISSN 2100-014X, 2017, vol. 137, UNSP 03019., Registrované v: WOS

19. [1.1] REINHARDT, H. - BURGIO, G. - CAMPAGNARI, D. - EBADATI, E. - HEFFNER, J. - QUANDT, M. - VASTAG, P. - VOGT, H. Hamiltonian Approach to QCD in Coulomb Gauge: A Survey of Recent Results. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2018, 2312498., Registrované v: WOS
20. [1.1] SUZUKI, Tsuneo - ISHIGURO, Katsuya - BORNIAKOV, Vitaly. New scheme for color confinement and violation of the non-Abelian Bianchi identities. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 3, 034501., Registrované v: WOS
21. [1.1] SUZUKI, Tsuneo. Blockspin renormalization-group study of color confinement due to violation of the non-Abelian Bianchi identity. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 3, 034509., Registrované v: WOS
22. [1.1] TREWARTHA, Daniel - KAMLEH, Waseem - LEINWEBER, Derek. Evidence that centre vortices underpin dynamical chiral symmetry breaking in SU(3) gauge theory. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 747, pp. 373-377., Registrované v: WOS
23. [1.1] TREWARTHA, Daniel - KAMLEH, Waseem - LEINWEBER, Derek. Connection between center vortices and instantons through gauge-field smoothing. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 7, 074507., Registrované v: WOS
24. [1.1] TREWARTHA, Daniel - KAMLEH, Waseem - LEINWEBER, Derek B. Centre vortex removal restores chiral symmetry. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2017, vol. 44, no. 12, 125002., Registrované v: WOS
25. [1.1] VASTAG, P. - REINHARDT, H. - CAMPAGNARI, D. Improved variational approach to QCD in Coulomb gauge. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 6, 065003., Registrované v: WOS
26. [3.1] TREWARTHA, D. - KAMLEH, W. - LEINWEBER, D. Centre vortex effects on the overlap quark propagator. In PROCEEDINGS OF SCIENCE, 2015, p. 357.

ADCA235 DELBECQ, M.R. - NAKAJIMA, T. - STANO, Peter - OTSUKA, T. - AMAHA, S. - YONEDA, J. - TAKEDA, K. - ALLISON, G. - LUDWIG, A. - WIECK, A.D. - TARUCHA, S. Quantum dephasing in a gated GaAs triple quantum dot due to nonergodic noise. In *Physical Review Letters*, 2016, vol. 116, no. 4, 046802. (2015: 7.645 - IF, Q1 - JCR, 4.656 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.116.046802>

Ohlasy:

1. [1.1] BANCHI, Leonardo - BAYAT, Abolfazl - BOSE, Sougato. Entanglement entropy scaling in solid-state spin arrays via capacitance measurements. In PHYSICAL REVIEW B. ISSN 2469-9950, 2016, vol. 94, no. 24, 241117., Registrované v: WOS
2. [1.1] CONTRERAS-PULIDO, L. D. - BRUDERER, M. Coherent and incoherent charge transport in linear triple quantum dots. In JOURNAL OF PHYSICS-CONDENSED MATTER. ISSN 0953-8984, 2017, vol. 29, no. 18, 185301., Registrované v: WOS
3. [1.1] DINH NHU THAO - LE THI NGOC BAO - DUONG DINH

PHUOC - NGUYEN HONG QUANG. A theoretical study of the optical Stark effect in InGaAs/InAlAs quantum dots. In SEMICONDUCTOR SCIENCE AND TECHNOLOGY. ISSN 0268-1242, 2017, vol. 32, no. 2, 025014., Registrované v: WOS

4. [1.1] GNEITING, Clemens. Disorder-dressed quantum evolution. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 101, no. 21, 214203., Registrované v: WOS

5. [1.1] HAN, TianYi - CHEN, MingBo - CAO, Gang - LI, HaiOu - XIAO, Ming - GUO, GuoPing. Radio-frequency measurement in semiconductor quantum computation. In SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY. ISSN 1674-7348, 2017, vol. 60, no. 5, 057301., Registrované v: WOS

6. [1.1] HUANG, W. - YANG, C. H. - CHAN, K. W. - TANTTU, T. - HENSEN, B. - LEON, R. C. C. - FOGARTY, M. A. - HWANG, J. C. C. - HUDSON, F. E. - ITOH, K. M. - MORELLO, A. - LAUCHT, A. - DZURAK, A. S. Fidelity benchmarks for two-qubit gates in silicon. In NATURE. ISSN 0028-0836, 2019, vol. 569, no. 7757, pp. 532-+, Registrované v: WOS

7. [1.1] CHEN, Hong-Bin - LO, Ping-Yuan - GNEITING, Clemens - BAE, Joonwoo - CHEN, Yueh-Nan - NORI, Franco. Quantifying the nonclassicality of pure dephasing. In NATURE COMMUNICATIONS. ISSN 2041-1723, 2019, vol. 10, 3794., Registrované v: WOS

8. [1.1] MALINOWSKI, Filip K. - MARTINS, Frederico - NISSEN, Peter D. - FALLAHI, Saeed - GARDNER, Geoffrey C. - MANFRA, Michael J. - MARCUS, Charles M. - KUEMMETH, Ferdinand. Symmetric operation of the resonant exchange qubit. In PHYSICAL REVIEW B. ISSN 2469-9950, 2017, vol. 96, no. 4, 045443., Registrované v: WOS

9. [1.1] MALINOWSKI, Filip K. - MARTINS, Frederico - CYWINSKI, Lukasz - RUDNER, Mark S. - NISSEN, Peter D. - FALLAHI, Saeed - GARDNER, Geoffrey C. - MANFRA, Michael J. - MARCUS, Charles M. - KUEMMETH, Ferdinand. Spectrum of the Nuclear Environment for GaAs Spin Qubits. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2017, vol. 118, no. 17, 177702., Registrované v: WOS

10. [1.1] MALINOWSKI, Filip K. - MARTINS, Frederico - SMITH, Thomas B. - BARTLETT, Stephen D. - DOHERTY, Andrew C. - NISSEN, Peter D. - FALLAHI, Saeed - GARDNER, Geoffrey C. - MANFRA, Michael J. - MARCUS, Charles M. - KUEMMETH, Ferdinand. Spin of a Multielectron Quantum Dot and Its Interaction with a Neighboring Electron. In PHYSICAL REVIEW X. ISSN 2160-3308, 2018, vol. 8, no. 1, 011045., Registrované v: WOS

11. [1.1] MICHAL, V. P. - FUJITA, T. - BAART, T. A. - DANON, J. - REICHL, C. - WEGSCHEIDER, W. - VANDERSYPEN, L. M. K. - NAZAROV, Y. V. Nonlinear and dot-dependent Zeeman splitting in GaAs/AlGaAs quantum dot arrays. In PHYSICAL REVIEW B. ISSN 2469-9950, 2018, vol. 97, no. 3, 035301., Registrované v: WOS

12. [1.1] NAKAJIMA, Takashi - DELBECQ, Matthieu R. - OTSUKA, Tomohiro - STANO, Peter - AMAHA, Shinichi - YONEDA, Jun - NOIRI, Akito - KAWASAKI, Kento - TAKEDA, Kenta - ALLISON, Giles - LUDWIG, Arne - WIECK, Andreas D. - LOSS, Daniel - TARUCHA, Seigo. Robust Single-Shot Spin Measurement with 99.5% Fidelity in a Quantum Dot Array. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2017, vol. 119, no. 1, 017701.,

Registrované v: WOS

13. [1.1] PHAM, Dung N. - BHARADWAJ, Sathwik - RAM-MOHAN, L. R. Tuning spatial entanglement in interacting two-electron quantum dots. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 101, no. 4, 045306.,

Registrované v: WOS

14. [1.1] REIGUE, Antoine - HOSTEIN, Richard - VOLIOTIS, Valia. Resonance fluorescence of a single semiconductor quantum dot: the impact of a fluctuating electrostatic environment. In SEMICONDUCTOR SCIENCE AND TECHNOLOGY. ISSN 0268-1242, 2019, vol. 34, no. 11, 113001., Registrované v: WOS

15. [1.1] REIGUE, Antoine - ILES-SMITH, Jake - LUX, Fabian - MONNIELLO, Leonard - BERNARD, Mathieu - MARGAILLAN, Florent - LEMAITRE, Aristide - MARTINEZ, Anthony - MCCUTCHEON, Dara P. S. - MORK, Jesper - HOSTEIN, Richard - VOLIOTIS, Valia. Probing Electron-Phonon Interaction through Two-Photon Interference in Resonantly Driven Semiconductor Quantum Dots. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2017, vol. 118, no. 23, 233602., Registrované v: WOS

16. [1.1] RUSS, Maximilian - BURKARD, Guido. Three-electron spin qubits. In JOURNAL OF PHYSICS-CONDENSED MATTER. ISSN 0953-8984, 2017, vol. 29, no. 39, 393001., Registrované v: WOS

17. [1.1] SAKULDEE, Fattah - CYWINSKI, Lukasz. Characterization of a quasistatic environment with a qubit. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 99, no. 6, 062113., Registrované v: WOS

18. [1.1] SIMIN, D. - KRAUS, H. - SPERLICH, A. - OHSHIMA, T. - ASTAKHOV, G. V. - DYAKONOV, V. Locking of electron spin coherence above 20 ms in natural silicon carbide. In PHYSICAL REVIEW B. ISSN 2469-9950, 2017, vol. 95, no. 16, 161201., Registrované v: WOS

19. [1.1] YANG, Wen - MA, Wen-Long - LIU, Ren-Bao. Quantum many-body theory for electron spin decoherence in nanoscale nuclear spin baths. In REPORTS ON PROGRESS IN PHYSICS. ISSN 0034-4885, 2017, vol. 80, no. 1, 016001., Registrované v: WOS

20. [1.1] ZHANG, Chengxian - YANG, Xu-Chen - WANG, Xin. Leakage and sweet spots in triple-quantum-dot spin qubits: A molecular-orbital study. In PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 97, no. 4, 042326., Registrované v: WOS

21. [1.1] ZHANG, Yi-Hao - YANG, Wen. Improving spin-based noise sensing by adaptive measurements. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2018, vol. 20, 093011., Registrované v: WOS

22. [1.1] ZHAO, R. - TANTTU, T. - TAN, K. Y. - HENSEN, B. - CHAN, K. W. - HWANG, J. C. C. - LEON, R. C. C. - YANG, C. H. - GILBERT, W. - HUDSON, F. E. - ITOH, K. M. - KISELEV, A. A. - LADD, T. D. - MORELLO, A. - LAUCHT, A. - DZURAK, A. S. Single-spin qubits in isotopically enriched silicon at low magnetic field. In NATURE COMMUNICATIONS. ISSN 2041-1723, 2019, vol. 10, 5500., Registrované v: WOS

ADCA236 DERIAN, René - GENDIAR, Andrej - NISHINO, T. Modulation of local magnetization in two-dimensional axial-next-nearest-neighbor model. In *Journal of Physical Society of Japan*, 2006, vol. 75, p. 114001, also condmat 0605411. Dostupné na: <https://doi.org/10.1143/JPSJ.75.114001>

Ohlasy:

1. [1.1] LANGARI, A. - MOHAMMAD-AGHAEI, A. - HAGHSHENAS, R. In PHYSICAL REVIEW B. JAN 15 2015, vol. 91, no. 2., Registrované v: WOS
2. [1.1] SCHMIDT, B. - THALMEIER, P. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. AUG 17 2017, vol. 703, p. 1-59., Registrované v: WOS

ADCA237 DERIAN, René - TOKÁR, Kamil - SOMOGYI, B. - GÁLI, Á. - ŠTICH, Ivan**. Optical Gaps in Pristine and Heavily Doped Silicon Nanocrystals: DFT versus Quantum Monte Carlo Benchmarks. In *Journal of Chemical Theory and Computation*, 2017, vol. 13, no. 12, p. 6061-6067. (2016: 5.245 - IF, Q1 - JCR, 2.711 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 1549-9618. Dostupné na: <https://doi.org/10.1021/acs.jctc.7b00823>

Ohlasy:

1. [1.1] DERBENYOVA, N. - BURDOV, V. A. Multi-carrier processes in halogenated Si nanocrystals. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2020, vol. 153, no. 11, 114304., Registrované v: WOS
2. [1.1] FUJII, Minoru - SUGIMOTO, Hiroshi - KANO, Shinya. Silicon quantum dots with heavily boron and phosphorus codoped shell. In CHEMICAL COMMUNICATIONS. ISSN 1359-7345, 2018, vol. 54, no. 35, pp. 4375-4389., Registrované v: WOS
3. [1.1] PETRONE, Alessio - BECK, Ryan A. - KASPER, Joseph M. - LI, Xiaosong - HUANG, Yue - CRANE, Matthew - PAUZAUSKIE, Peter. Electronic structures and spectroscopic signatures of silicon-vacancy containing nanodiamonds. In PHYSICAL REVIEW B. ISSN 2469-9950, 2018, vol. 98, no. 20, 205405., Registrované v: WOS
4. [1.1] WANG, Yuxiu - QI, Rui - JIANG, Yingjie - SUN, Cuicui - ZHANG, Guiling - HU, Yangyang - YANG, Zhao-Di - LI, Weiqi. Transport and Photoelectric Properties of 2D Silicene/MX₂ (M = Mo, W; X = S, Se) Heterostructures. In ACS OMEGA. ISSN 2470-1343, 2018, vol. 3, no. 10, pp. 13251-13262., Registrované v: WOS

ADCA238 DERKA, R. - BUŽEK, Vladimír - EKERT, A.K. Universal algorithm for optimal estimation of quantum states from finite ensembles via realizable generalized measurement. In *Physical Review Letters*, 1998, vol. 80, no. 8, p. 1571-1575. (1997: 6.140 - IF, Current Contents - CCC). (1998 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Ohlasy:

1. [1.1] ANWER, Hammad - MUHAMMAD, Sadiq - CHERIFI, Walid - MIKLIN, Nikolai - TAVAKOLI, Armin - BOURENNANE, Mohamed. Experimental Characterization of Unsharp Qubit Observables and Sequential Measurement Incompatibility via Quantum Random Access Codes. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2020, vol. 125, no. 8, 080403., Registrované v: WOS
2. [1.1] BENT, N. - QASSIM, H. - TAHIR, A. A. - SYCH, D. - LEUCHS, G. - SANCHEZ-SOTO, L. L. - KARIMI, E. - BOYD, R. W. Experimental Realization of Quantum Tomography of Photonic Qudits via Symmetric Informationally Complete Positive Operator-Valued Measures. In PHYSICAL REVIEW X. ISSN 2160-3308, 2015, vol. 5, no. 4, 041006.,

Registrované v: WOS

3. [1.1] GUERINI, Leonardo - BAVARESCO, Jessica - CUNHA, Marcelo Terra - ACIN, Antonio. Operational framework for quantum measurement simulability. In JOURNAL OF MATHEMATICAL PHYSICS. ISSN 0022-2488, 2017, vol. 58, no. 9, 092102., Registrované v: WOS
4. [1.1] KANG, Guo-Dong - ZHOU, Qing-Ping - FANG, Mao-Fa. Measurement-device-independent quantum key distribution with uncharacterized coherent sources. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2019, vol. 19, no. 1, 1., Registrované v: WOS
5. [1.1] KHAN, Abdul Sattar - LI, Jun-Li - QIAO, Cong-Feng. Test of nonlocal hidden variable theory by the Leggett inequality in high energy physics. In PHYSICAL REVIEW D. ISSN 1550-7998, 2020, vol. 101, no. 9, 096016., Registrované v: WOS
6. [1.1] LEE, Yonghae - JOO, Jaewoo - LEE, Soojoon. Hybrid quantum linear equation algorithm and its experimental test on IBM Quantum Experience. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2019, vol. 9, 4778., Registrované v: WOS
7. [1.1] OSZMANIEC, Michal - GUERINI, Leonardo - WITTEK, Peter - ACIN, Antonio. Simulating Positive-Operator-Valued Measures with Projective Measurements. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2017, vol. 119, no. 19, 190501., Registrované v: WOS
8. [1.1] RAN, Du - SHAN, Wu-Jiang - SHI, Zhi-Cheng - YANG, Zhen-Biao - SONG, Jie - XIA, Yan. Manipulation of Multi-Level Quantum Systems via Unsharp Measurements and Feedback Operations. In ANNALEN DER PHYSIK. ISSN 0003-3804, 2019, vol. 531, no. 11, 1900063., Registrované v: WOS
9. [1.1] REZAZADEH, F. - MANI, A. - KARIMIPOUR, V. Secure alignment of coordinate systems using quantum correlation. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 96, no. 2, 022310., Registrované v: WOS
10. [1.1] REZAZADEH, F. - MANI, A. - KARIMIPOUR, V. Power of a shared singlet state in comparison to a shared reference frame. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 2, 022329., Registrované v: WOS
11. [1.1] SHOJAEI, Ezad - JACKSON, Christopher S. - RIOFRIO, Carlos A. - KALEV, Amir - DEUTSCH, Ivan H. Optimal Pure-State Qubit Tomography via Sequential Weak Measurements. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2018, vol. 121, no. 13, 130404., Registrované v: WOS
12. [1.1] SINGH, Harpreet - ARVIND - DORAI, Kavita. Constructing valid density matrices on an NMR quantum information processor via maximum likelihood estimation. In PHYSICS LETTERS A. ISSN 0375-9601, 2016, vol. 380, no. 38, pp. 3051-3056., Registrované v: WOS
13. [1.1] SKORIC, Boris - PINKSE, Pepijn W. H. - MOSK, Allard P. Authenticated communication from quantum readout of PUFs. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2017, vol. 16, no. 8, UNSP 200., Registrované v: WOS
14. [1.1] SKORIC, Boris. SECURITY ANALYSIS OF QUANTUM-READOUT PUFs IN THE CASE OF CHALLENGE-ESTIMATION ATTACKS. In QUANTUM INFORMATION &

COMPUTATION. ISSN 1533-7146, 2016, vol. 16, no. 1-2, pp. 50-60.,
Registrované v: WOS

15. [1.1] TAVAKOLI, Armin - ROSSET, Denis - RENOU, Marc-Olivier.
Enabling Computation of Correlation Bounds for Finite-Dimensional Quantum
Systems via Symmetrization. In PHYSICAL REVIEW LETTERS. ISSN
0031-9007, 2019, vol. 122, no. 7, 070501., Registrované v: WOS

16. [1.1] TAVAKOLI, Armin - SMANIA, Massimiliano - VERTESI,
Tamas - BRUNNER, Nicolas - BOURENNANE, Mohamed. Self-testing
nonprojective quantum measurements in prepare-and-measure experiments. In
SCIENCE ADVANCES. ISSN 2375-2548, 2020, vol. 6, no. 16, eaaw6664.,
Registrované v: WOS

17. [1.1] UPPU, Ravitej - WOLTERINK, Tom A. W. - GOORDEN,
Sebastianus A. - CHEN, Bin - SKORIC, Boris - MOSK, Allard P. - PINKSE,
Pepijn W. H. Asymmetric cryptography with physical unclonable keys. In
QUANTUM SCIENCE AND TECHNOLOGY. ISSN 2058-9565, 2019, vol. 4,
no. 4, 045011., Registrované v: WOS

18. [1.1] WANG, MingHao - CAI, QingYu. Duplicating classical bits
with universal quantum cloning machine. In SCIENCE CHINA-PHYSICS
MECHANICS & ASTRONOMY. ISSN 1674-7348, 2019, vol. 62, no. 3,
030312., Registrované v: WOS

19. [1.1] YANG, Zichen - FAN, Ze-Yang - MU, Liang-Zhu - FAN,
Heng. Approximate quantum state reconstruction without a quantum channel. In
PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 98, no. 6, 062315.,
Registrované v: WOS

20. [1.1] YAO, Yao - GAO, Ming - LI, Mo - ZHANG, Jian. Quantum
cloning attacks against PUF-based quantum authentication systems. In
QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2016, vol. 15,
no. 8, pp. 3311-3325., Registrované v: WOS

21. [1.1] ZHANG, Lu - CHAN, Kam Wai Clifford - VERMA, Pramode
K. Universal optimal estimation of the polarization of light with arbitrary photon
statistics. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 93, no. 3,
032137., Registrované v: WOS

ADCA239 DERZSI, Mariana** - GRZELAK, Adam* - KONDRATIUK, Paweł* -
TOKÁR, Kamil* - GROCHALA, Wojciech*. Quest for Compounds at the Verge of
Charge Transfer Instabilities: The Case of Silver(II) Chloride. In *Crystals*, 2019, vol.
9, no. 8, 423. (2018: 2.061 - IF, Q2 - JCR, 0.497 - SJR, Q2 - SJR, Current Contents -
CCC). (2019 - Current Contents). ISSN 2073-4352. *First-Principles Prediction of
Structures and Properties in Crystals*. (2018: 2.061 - IF, Q2 - JCR, 0.497 - SJR, Q2
- SJR, Current Contents - CCC). Dostupné na: <https://doi.org/10.3390/cryst9080423>
Ohlasy:

1. [1.1] HERMANN, Andreas - KURZYDŁOWSKI, Dominik.
First-Principles Prediction of Structures and Properties in Crystals. In
CRYSTALS. ISSN 2073-4352, 2019, vol. 9, no. 9, 463., Registrované v: WOS

ADCA240 DI GIACOMO, A. - MAGGIORE, M. - OLEJNÍK, Štefan. Confinement and
chromoelectric flux tubes in lattice QCD. In *Nuclear Physics B*, 1990, vol. 347, no.
1-2, p. 441-460. ISSN 0550-3213. Dostupné na:
[https://doi.org/10.1016/0550-3213\(90\)90567-W](https://doi.org/10.1016/0550-3213(90)90567-W)

Ohlasy:

1. [1.1] ANTONOV, Dmitry. Monopole-Based Scenarios of Confinement and Deconfinement in 3D and 4D. In UNIVERSE. ISSN 2218-1997, 2017, vol. 3, no. 2, UNSP 50., Registrované v: WOS
2. [1.1] BAKER, M. - CEA, P. - CHELNOKOV, V. - COSMAI, L. - CUTERI, F. - PAPA, A. Isolating the confining color field in the SU(3) flux tube. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2019, vol. 79, no. 6, 478., Registrované v: WOS
3. [1.1] BAKER, M. - CEA, P. - CHELNOKOV, V. - COSMAI, L. - CUTERI, F. - PAPA, A. The confining color field in SU(3) gauge theory. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2020, vol. 80, no. 6., Registrované v: WOS
4. [1.1] BATTELLI, Nico - BONATI, Claudio. Color flux tubes in SU(3) Yang-Mills theory: An investigation with the connected correlator. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 99, no. 11, 114501., Registrované v: WOS
5. [1.1] BICUDO, P. - CARDOSO, N. - CARDOSO, M. Pure gauge flux tubes and their widths at finite temperature. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2019, vol. 940, pp. 88-112., Registrované v: WOS
6. [1.1] BONATI, Claudio - MORLACCHI, Silvia. Flux tubes and string breaking in three dimensional SU(2) Yang-Mills theory. In PHYSICAL REVIEW D. ISSN 2470-0010, 2020, vol. 101, no. 9, 094506., Registrované v: WOS
7. [1.1] BRANDT, Bastian B. - MEINER, Marco. Effective string description of confining flux tubes. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2016, vol. 31, no. 22, 1643001., Registrované v: WOS
8. [1.1] CEA, Paolo - COSMAI, Leonardo - CUTERI, Francesca - PAPA, Alessandro. Flux tubes at finite temperature. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, vol., no. 6, 033., Registrované v: WOS
9. [1.1] CEA, Paolo - COSMAI, Leonardo - CUTERI, Francesca - PAPA, Alessandro. Flux tubes in the QCD vacuum. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 11, 114511., Registrované v: WOS
10. [1.1] DAWID, Sebastian M. - SZCZEPANIAK, Adam P. Coulomb flux tube revisited. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 100, no. 7, 074508., Registrované v: WOS
11. [1.1] DENG, Chengrong - CHEN, Hong - PING, Jialun. Systematical investigation on the stability of doubly heavy tetraquark states. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2020, vol. 56, no. 1, 9., Registrované v: WOS
12. [1.1] DUDAL, David - MAHAPATRA, Subhash. Interplay between the holographic QCD phase diagram and entanglement entropy. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 7, 120., Registrované v: WOS
13. [1.1] KHANMOHAMADI, S. - MOSHFEGH, H. R. - TEHRANI, S. Atashbar. Structure and tidal deformability of a hybrid star within the framework of the field correlator method. In PHYSICAL REVIEW D. ISSN 1550-7998, 2020, vol. 101, no. 12, 123001., Registrované v: WOS
14. [1.1] MUELLER, Lasse - PHILIPSEN, Owe - REISINGER, Christian

- WAGNER, Marc. Hybrid static potential flux tubes from SU(2) and SU(3) lattice gauge theory. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 100, no. 5, 054503., Registrované v: WOS
- 15. [1.1] NISHINO, Shogo - KONDO, Kei-ichi - SHIBATA, Akihiro - SASAGO, Takaaki - KATO, Seikou. Type of dual superconductivity for the SU(2) Yang-Mills theory. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2019, vol. 79, no. 9, 774., Registrované v: WOS
- 16. [1.1] SHIBATA, Akihiro - KONDO, Kei-Ichi - KATO, Seikou - SHINOHARA, Toru. Discriminating between two reformulations of SU(3) YangMills theory on a lattice. In AIP CONFERENCE PROCEEDINGS, 2016, vol. 1701, p. 030011., Registrované v: WOS
- 17. [1.1] SHIBATA, Akihiro - KONDO, Kei-Ichi - KATO, Seikou - SHINOHARA, Toru. Confinement/deconfinement phase transition in SU(3) Yang Mills theory in view of dual superconductivity. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 36, SI., Registrované v: WOS
- 18. [1.1] SIMONOV, Yu A. Field correlator method for the confinement in QCD. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 99, no. 5, 056012., Registrované v: WOS
- 19. [1.1] YANAGIHARA, Ryosuke - KITAZAWA, Masakiyo. A study of stress-tensor distribution around the flux tube in the Abelian-Higgs model. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS. ISSN 2050-3911, 2019, no. 9, 093B02., Registrované v: WOS
- 20. [1.1] YANAGIHARA, Ryosuke - IRITANI, Takumi - KITAZAWA, Masakiyo - ASAKAWA, Masayuki - HATSUDA, Tetsuo. Distribution of stress tensor around static quark-anti-quark from Yang-Mills gradient flow. In PHYSICS LETTERS B. ISSN 0370-2693, 2019, vol. 789, pp. 210-214., Registrované v: WOS
- 21. [1.2] KATO, Seikou - KONDO, Kei Ichi - SHIBATA, Akihiro. Gauge-independent "abelian" and magnetic-monopole dominance, and the dual Meissner effect in lattice SU (2) Yang-Mills theory. In Physical Review D Particles, Fields, Gravitation and Cosmology. ISSN 15507998, 2015-02-19, 91, 3, 034506., Registrované v: SCOPUS
- 22. [1.2] KONDO, Kei Ichi - KATO, Seikou - SHIBATA, Akihiro - SHINOHARA, Toru. Quark confinement: Dual superconductor picture based on a non-Abelian Stokes theorem and reformulations of Yang-Mills theory. In Physics Reports. ISSN 03701573, 2015-01-01, 579, pp. 1-226., Registrované v: SCOPUS
- 23. [3.1] CEA, P. et al. London penetration depth and coherence length of SU(3) vacuum flux tubes. In PROCEEDINGS OF SCIENCE, 2015, p. 350.
- 24. [3.1] CEA, P. et al. Anatomy of SU(3) flux tubes at finite temperature. In PROCEEDINGS OF SCIENCE, 2015, p. 322.
- 25. [3.1] SHIBATA, A. et al. Abelian monopole or non-Abelian monopole responsible for quark confinement. In PROCEEDINGS OF SCIENCE, 2015, p. 320.
- 26. [3.1] SHIBATA, A. et al. Confinement/deconfinement phase transition in SU(3) Yang-Mills theory in view of dual superconductivity. In PREPRINT KEK 2015-49, CHIBA-EP-214, 2015.
- 27. [3.1] SHIBATA, A. et al. Magnetic monopole and

confinement/deconfinement phase transition in SU(3) Yang-Mills theory. In PROCEEDINGS OF SCIENCE, 2015, p. 340.

ADCA241 DI GIACOMO, A. - MAGGIORE, M. - OLEJNÍK, Štefan. Evidence for flux tubes from cooled QCD configurations. In *Physics Letters B*, 1990, vol. 236, no. 2, p. 199-202. ISSN 0370-2693. Dostupné na: [https://doi.org/10.1016/0370-2693\(90\)90828-T](https://doi.org/10.1016/0370-2693(90)90828-T)

Ohlasy:

1. [1.1] ANTONOV, Dmitry. Monopole-Based Scenarios of Confinement and Deconfinement in 3D and 4D. In UNIVERSE. ISSN 2218-1997, 2017, vol. 3, no. 2, UNSP 50., Registrované v: WOS
2. [1.1] BAKER, M. - CEA, P. - CHELNOKOV, V. - COSMAI, L. - CUTERI, F. - PAPA, A. Isolating the confining color field in the SU(3) flux tube. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2019, vol. 79, no. 6, 478., Registrované v: WOS
3. [1.1] BAKER, M. - CEA, P. - CHELNOKOV, V. - COSMAI, L. - CUTERI, F. - PAPA, A. The confining color field in SU(3) gauge theory. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2020, vol. 80, no. 6., Registrované v: WOS
4. [1.1] BATTELLI, Nico - BONATI, Claudio. Color flux tubes in SU(3) Yang-Mills theory: An investigation with the connected correlator. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 99, no. 11., Registrované v: WOS
5. [1.1] BICUDO, P. - CARDOSO, N. - CARDOSO, M. Pure gauge flux tubes and their widths at finite temperature. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2019, vol. 940, pp. 88-112., Registrované v: WOS
6. [1.1] BONATI, Claudio - CALI, Salvatore - D'ELIA, Massimo - MESITI, Michele - NEGRO, Francesco - RUCCI, Andrea - SANFILIPPO, Francesco. Effects of a strong magnetic field on the QCD flux tube. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 5, 054501., Registrované v: WOS
7. [1.1] BONATI, Claudio - MORLACCHI, Silvia. Flux tubes and string breaking in three dimensional SU(2) Yang-Mills theory. In PHYSICAL REVIEW D. ISSN 2470-0010, 2020, vol. 101, no. 9, 094506., Registrované v: WOS
8. [1.1] BRANDT, Bastian B. - MEINER, Marco. Effective string description of confining flux tubes. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2016, vol. 31, no. 22, 1643001., Registrované v: WOS
9. [1.1] CEA, Paolo - COSMAI, Leonardo - CUTERI, Francesca - PAPA, Alessandro. Flux tubes at finite temperature. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2016, 06, 033., Registrované v: WOS
10. [1.1] CEA, Paolo - COSMAI, Leonardo - CUTERI, Francesca - PAPA, Alessandro. Flux tubes in the QCD vacuum. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 11, 114511., Registrované v: WOS
11. [1.1] DENG, Chengrong - CHEN, Hong - PING, Jialun. Can the state $Y(4626)$ be a P-wave tetraquark state $[cs][\bar{c}\bar{s}]$? In PHYSICAL REVIEW D. ISSN 2470-0010, 2020, vol. 101, no. 5, 054039., Registrované v: WOS
12. [1.1] DENG, Chengrong - CHEN, Hong - PING, Jialun. Systematical

investigation on the stability of doubly heavy tetraquark states. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2020, vol. 56, no. 1, 9.,

Registrované v: WOS

13. [1.1] D'ELIA, Massimo - MEGGIOLARO, Enrico - MESITI, Michele - NEGRO, Francesco. Gauge-invariant field-strength correlators for QCD in a magnetic background. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, 054017., Registrované v: WOS

14. [1.1] KATO, Seikou - KONDO, Kei-Ichi - SHIBATA, Akihiro. Gauge-independent "Abelian" and magnetic-monopole dominance, and the dual Meissner effect in lattice SU(2) Yang-Mills theory. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 3, pp. 034506., Registrované v: WOS

15. [1.1] KHANMOHAMADI, S. - MOSHFEGH, H. R. - TEHRANI, S. Atashbar. Structure and tidal deformability of a hybrid star within the framework of the field correlator method. In PHYSICAL REVIEW D. ISSN 1550-7998, 2020, vol. 101, no. 12, 123001., Registrované v: WOS

16. [1.1] LUKASHOV, M. S. - SIMONOV, Yu. A. Color screening in flux tubes and in the color Coulomb potential from QCD field correlators. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 7, 076019., Registrované v: WOS

17. [1.1] MUELLER, Lasse - PHILIPSEN, Owe - REISINGER, Christian - WAGNER, Marc. Hybrid static potential flux tubes from SU(2) and SU(3) lattice gauge theory. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 100, no. 5, 054503., Registrované v: WOS

18. [1.1] PUNETHA, Garima - CHANDOLA, H. C. DUAL MEISSNER EFFECT AND QUARK CONFINEMENT POTENTIAL IN SU(3) DUAL QCD FORMALISM. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2019, vol. 50, no. 9, pp. 1483-1500., Registrované v: WOS

19. [1.1] SHIBATA, Akihiro - KONDO, Kei-Ichi - KATO, Seikou - SHINOHARA, Toru. Discriminating between two reformulations of SU(3) Yang-Mills theory on a lattice. In AIP CONFERENCE PROCEEDINGS, 2016, vol. 1701, p. 030011., Registrované v: WOS

20. [1.1] SHIBATA, Akihiro - KONDO, Kei-Ichi - KATO, Seikou - SHINOHARA, Toru. Confinement/deconfinement phase transition in SU(3) Yang-Mills theory in view of dual superconductivity. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 36, 1747016., Registrované v: WOS

21. [1.1] SIMONOV, Yu. A. Field correlator method for the confinement in QCD. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 99, no. 5, 056012., Registrované v: WOS

22. [1.2] KONDO, Kei-Ichi - KATO, Seikou - SHIBATA, Akihiro - SHINOHARA, Toru. Quark confinement: Dual superconductor picture based on a non-Abelian Stokes theorem and reformulations of Yang-Mills theory. In Physics Reports. ISSN 0370-1573, 2015-01-01, 579, pp. 1-226., Registrované v: SCOPUS

23. [3.1] CEA, P. et al. Anatomy of SU(3) flux tubes at finite temperature. In PROCEEDINGS OF SCIENCE, 2015, p. 322.

24. [3.1] CEA, P. et al. London penetration depth and coherence length of SU(3) vacuum flux tubes. In PROCEEDINGS OF SCIENCE, 2015, p. 350.

25. [3.1] SHIBATA, A. et al. Abelian monopole or non-Abelian monopole responsible for quark confinement. In PROCEEDINGS OF SCIENCE,

2015, p. 320.

26. [3.1] SHIBATA, A. et al. Confinement/deconfinement phase transition in SU(3) Yang-Mills theory in view of dual superconductivity. In PREPRINT KEK 2015-49, CHIBA-EP-214, HEP-LAT/1511.04155, 2015.

27. [3.1] SHIBATA, A. et al. Magnetic monopole and confinement/deconfinement phase transition in SU(3) Yang-Mills theory. In PROCEEDINGS OF SCIENCE, 2015, p. 340.

ADCA242 DIESKA, Peter - ŠTICH, Ivan. Nanoengineering with dynamic atomic force microscopy: Lateral interchange of adatoms on a Ge(111)-c(2x8) surface. In *Physical Review B*, 2009, vol. 79, no. 12, 125431. ISSN 1098-0121.

Ohlasy:

1. [1.1] ENKHTAIVAN, Batnyam - SUGIMOTO, Yoshiaki - OSHIYAMA, Atsushi. First-principles study of lateral atom manipulation assisted by structural relaxation of a scanning tip apex. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2017, vol. 96, no. 15, 155417., Registrované v: WOS

2. [1.1] PAWLAK, R. - KAWAI, S. - MEIER, T. - GLATZEL, T. - BARATOFF, A. - MEYER, E. Single-molecule manipulation experiments to explore friction and adhesion. In *JOURNAL OF PHYSICS D-APPLIED PHYSICS*. ISSN 0022-3727, 2017, vol. 50, no. 11, 113003., Registrované v: WOS

ADCA243 DIETZEL, Dirk - BRNDIAR, Ján - ŠTICH, Ivan - SCHIRMEISEN, André. Limitations of structural superlubricity: chemical bonds versus contact size. In *ACS Nano*, 2017, vol. 11, no. 8, p. 7642-7647. (2016: 13.942 - IF, Q1 - JCR, 6.948 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 1936-0851. Dostupné na: <https://doi.org/10.1021/acsnano.7b02240>

Ohlasy:

1. [1.1] BABAGHOLAMI, Behnaz - SADEGHI, Ali - ETEZADIFAR, M. Partial commensuration and Amontons laws of friction adapted for large atomic interfaces. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2019, vol. 99, no. 16, pp., Registrované v: WOS

2. [1.1] BAYKARA, Mehmet Z. - VAZIRISERESHK, Mohammad R. - MARTINI, Ashlie. Emerging superlubricity: A review of the state of the art and perspectives on future research. In *APPLIED PHYSICS REVIEWS*. ISSN 1931-9401, 2018, vol. 5, no. 4, pp., Registrované v: WOS

3. [1.1] BERMAN, Diana - ERDEMIR, Ali - SUMANT, Anirudha V. Approaches for Achieving Superlubricity in Two-Dimensional Materials. In *ACS NANO*. ISSN 1936-0851, 2018, vol. 12, no. 3, pp. 2122-2137., Registrované v: WOS

4. [1.1] CAMMARATA, Antonio - POLCAR, Tomas. Control of energy dissipation in sliding low-dimensional materials. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2020, vol. 102, no. 8, 085409., Registrované v: WOS

5. [1.1] DENG, He - MA, Ming - SONG, Yiming - HE, Qichang - ZHENG, Quanshui. Structural superlubricity in graphite flakes assembled under ambient conditions. In *NANOSCALE*. ISSN 2040-3364, 2018, vol. 10, no. 29, pp. 14314-14320., Registrované v: WOS

6. [1.1] GE, Xiangyu - LI, Jinjin - LUO, Rui - ZHANG, Chenhui - LUO, Jianbin. Macroscale Superlubricity Enabled by the Synergy Effect of Graphene-Oxide Nanoflakes and Ethanediol. In *ACS APPLIED MATERIALS &*

INTERFACES. ISSN 1944-8244, 2018, vol. 10, no. 47, pp. 40863-40870.,
Registrované v: WOS

7. [1.1] HOD, Oded - MEYER, Ernst - ZHENG, Quanshui - URBACH, Michael. Structural superlubricity and ultralow friction across the length scales. In NATURE. ISSN 0028-0836, 2018, vol. 563, no. 7732, pp. 485-492.,
Registrované v: WOS

8. [1.1] HOU, Lizhen - MEAD, James Lee - WANG, Shiliang - HUANG, Han. The kinetic frictional shear stress of ZnO nanowires on graphite and mica substrates. In APPLIED SURFACE SCIENCE. ISSN 0169-4332, 2019, vol. 465, no., pp. 584-590., Registrované v: WOS

9. [1.1] CHEN, Xinchun - LI, Jinjin. Superlubricity of carbon nanostructures. In CARBON. ISSN 0008-6223, 2020, vol. 158, pp. 1-23.,
Registrované v: WOS

10. [1.1] KHOMENKO, Alexei - ZAKHAROV, Miroslav - BOYKO, Denis - PERSSON, Bo N. J. Atomistic modeling of tribological properties of Pd and Al nanoparticles on a graphene surface. In BEILSTEIN JOURNAL OF NANOTECHNOLOGY. ISSN 2190-4286, 2018, vol. 9, no., pp. 1239-1246.,
Registrované v: WOS

11. [1.1] LIU, Yanmin - SONG, Aisheng - XU, Zhi - ZONG, Ruilong - ZHANG, Jie - YANG, Wenyan - WANG, Rong - HU, Yuanzhong - LUO, Jianbin - MA, Tianbao. Interlayer Friction and Superlubricity in Single-Crystalline Contact Enabled by Two-Dimensional Flake-Wrapped Atomic Force Microscope Tips. In ACS NANO. ISSN 1936-0851, 2018, vol. 12, no. 8, pp. 7638-7646., Registrované v: WOS

12. [1.1] LI, Jinjin - GAO, Tianyang - LUO, Jianbin. Superlubricity of Graphite Induced by Multiple Transferred Graphene Nanoflakes. In ADVANCED SCIENCE. ISSN 2198-3844, 2018, vol. 5, no. 3, pp., Registrované v: WOS

13. [1.1] LI, Jinjin - GE, Xiangyu - LUO, Jianbin. Random occurrence of macroscale superlubricity of graphite enabled by tribo-transfer of multilayer graphene nanoflakes. In CARBON. ISSN 0008-6223, 2018, vol. 138, no., pp. 154-160., Registrované v: WOS

14. [1.1] LI, Jinjin - LI, Jianfeng - CHEN, Xinchun - LIU, Yuhong - LUO, Jianbin. Microscale superlubricity at multiple gold-graphite heterointerfaces under ambient conditions. In CARBON. ISSN 0008-6223, 2020, vol. 161, pp. 827-833., Registrované v: WOS

15. [1.1] LI, Panpan - JU, Pengfei - JI, Li - LI, Hongxuan - LIU, Xiaohong - CHEN, Lei - ZHOU, Huidi - CHEN, Jianmin. Toward Robust Macroscale Superlubricity on Engineering Steel Substrate. In ADVANCED MATERIALS. ISSN 0935-9648, 2020, vol. 32, no. 36, 2002039., Registrované v: WOS

16. [1.1] LI, Shaowei - BAI, Pengpeng - LI, Yuanzhe - JIA, Wenpeng - LI, Xinxin - MENG, Yonggang - MA, Liran - TIAN, Yu. Extreme-Pressure Superlubricity of Polymer Solution Enhanced with Hydrated Salt Ions. In LANGMUIR. ISSN 0743-7463, 2020, vol. 36, no. 24, pp. 6765-6774.,
Registrované v: WOS

17. [1.1] MANDELLI, Davide - GUERRA, Roberto - OUYANG, Wengen - URBACH, Michael - VANOSI, Andrea. Static friction boost in edge-driven incommensurate contacts. In PHYSICAL REVIEW MATERIALS. ISSN 2475-9953, 2018, vol. 2, no. 4, pp., Registrované v: WOS

18. [1.1] MONTI, Joseph M. - ROBBINS, Mark O. Sliding Friction of Amorphous Asperities on Crystalline Substrates: Scaling with Contact Radius and Substrate Thickness. In ACS NANO. ISSN 1936-0851, 2020, vol. 14, no. 12, pp. 16997-17003., Registrované v: WOS
19. [1.1] MUESER, Martin H. Are There Limits to Superlubricity of Graphene in Hard, Rough Contacts? In FRONTIERS IN MECHANICAL ENGINEERING-SWITZERLAND, 2019, vol. 5, no., pp. Dostupné na: <https://doi.org/10.3389/fmech.2019.00028>., Registrované v: WOS
20. [1.1] OZOGUL, Alper - IPEK, Semran - DURGUN, Engin - BAYKARA, Mehmet Z. Structural superlubricity of platinum on graphite under ambient conditions: The effects of chemistry and geometry. In APPLIED PHYSICS LETTERS. ISSN 0003-6951, 2017, vol. 111, no. 21, pp., Registrované v: WOS
21. [1.1] SADEGHI, Ali. Superlubricity controlled by the multiatomic nature of nanocontacts. In PHYSICAL REVIEW B. ISSN 2469-9950, 2018, vol. 98, no. 7, pp., Registrované v: WOS
22. [1.1] SONG, Yiming - QU, Cangyu - MA, Ming - ZHENG, Quanshui. Structural Superlubricity Based on Crystalline Materials. In SMALL. ISSN 1613-6810, 2020, vol. 16, no. 15, 1903018., Registrované v: WOS
23. [1.1] VANOSSI, Andrea - BECHINGER, Clemens - URBACH, Michael. Structural lubricity in soft and hard matter systems. In NATURE COMMUNICATIONS. ISSN 2041-1723, 2020, vol. 11, no. 1, 4657., Registrované v: WOS
24. [1.1] VASIC, Borislav - STANKOVIC, Igor - MATKOVIC, Aleksandar - KRATZER, Markus - GANSER, Christian - GAJIC, Rados - TEICHERT, Christian. Molecules on rails: friction anisotropy and preferential sliding directions of organic nanocrystallites on two-dimensional materials. In NANOSCALE. ISSN 2040-3364, 2018, vol. 10, no. 39, pp. 18835-18845., Registrované v: WOS
25. [1.1] VAZIRISERESHK, Mohammad R. - YE, Han - YE, Zhijiang - OTERO-DE-LA-ROZA, Alberto - ZHAO, Meng-Qiang - GAO, Zhaoli - JOHNSON, A. T. Charlie - JOHNSON, Erin R. - CARPICK, Robert W. - MARTINI, Ashlie. Origin of Nanoscale Friction Contrast between Supported Graphene, MoS₂, and a Graphene/MoS₂ Heterostructure. In NANO LETTERS. ISSN 1530-6984, 2019, vol. 19, no. 8, pp. 5496-5505., Registrované v: WOS
26. [1.1] VERMA, Dinesh Kumar - SHUKLA, Nivedita - KUMAR, Bharat - SINGH, Alok Kumar - SHAHU, Kavita - YADAV, Mithilesh - RHEE, Kyong Yop - RASTOGI, Rashmi Bala. Synergistic Tribo-Activity of Nanohybrids of Zirconia/Cerium-Doped Zirconia Nanoparticles with Nano Lamellar Reduced Graphene Oxide and Molybdenum Disulfide. In NANOMATERIALS, 2020, vol. 10, no. 4, 707., Registrované v: WOS
27. [1.1] WANG, Jin - CAO, Wei - SONG, Yiming - QU, Cangyu - ZHENG, Quanshui - MA, Ming. Generalized Scaling Law of Structural Superlubricity. In NANO LETTERS. ISSN 1530-6984, 2019, vol. 19, no. 11, pp. 7735-7741., Registrované v: WOS
28. [1.1] WANG, Peng - ZHANG, Guangan - LU, Zhibin - YUE, Wen - ZHU, Lina. Tribological behaviors of Pb/MoS₂ film under electrical condition in vacuum. In MATERIALS RESEARCH EXPRESS. ISSN 2053-1591, 2019, vol. 6, no. 7, pp., Registrované v: WOS
29. [1.1] WANG, Wen - SHEN, Jian - HE, Q-C. Microscale

superlubricity of graphite under various twist angles. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 99, no. 5, pp., Registrované v: WOS

30. [1.1] ZHAI, Wenzheng - ZHOU, Kun. Nanomaterials in Superlubricity. In ADVANCED FUNCTIONAL MATERIALS. ISSN 1616-301X, 2019, vol. 29, no. 28, pp., Registrované v: WOS

31. [1.2] KHOMENKO, Alexei V. - ZAKHAROV, M. V. - KHOMENKO, K. P. - KHYZHNYA, Ya V. - TROFIMENKO, P. E. Atomistic modeling of friction force dependence on contact area of metallic nanoparticles on graphene. In Proceedings of the 2018 IEEE 8th International Conference on Nanomaterials: Applications and Properties, NAP 2018, 2018-09-01, pp., Registrované v: SCOPUS

ADCA244 DOBEŠ, J. - BĚTÁK, Emil. Two-component exciton model. In *Zeitschrift für Physik A. Hadrons and nuclei*, 1983, vol. 310, p. 329-338. ISSN 0939-7922.

Ohlasy:

1. [1.2] BALDIK, R. - YILMAZ, A. Investigation of the excitation functions for the (n, 2n) reactions on the structural fusion material $^{58,60}\text{Ni}$. In *Kerntechnik*. ISSN 09323902, 2018-03-01, 83, 1, pp. 50-55., Registrované v: SCOPUS
2. [1.2] BELYSHEV, S. S. - FILIPESCU, D. M. - GHEOGHE, I. - ISHKHANOV, B. S. - KHANKIN, V. V. - KURILIK, A. S. - KUZNETSOV, A. A. - ORLIN, V. N. - PESKOV, N. N. - STOPANI, K. A. - TESILEANU, O. - VARLAMOV, V. V. Multinucleon photonuclear reactions on ^{209}Bi : Experiment and evaluation. In *European Physical Journal A*. ISSN 14346001, 2015-06-13, 51, 6, pp. 67., Registrované v: SCOPUS
3. [1.2] ESLAMI, M. - KAKAVAND, T. - MIRZAI, M. Theoretical approach to study the light particles induced production routes of ^{22}Na . In *Annals of Nuclear Energy*. ISSN 03064549, 2015-09-01, 83, pp. 14-24., Registrované v: SCOPUS

ADCA245 DOBROZHAN, O. - OPANASYUK, A. - KOLESNYK, M. - DEMYDENKO, Maksym. Substructural investigations, Raman, and FTIR spectroscopies of nanocrystalline ZnO films deposited by pulsed spray pyrolysis. In *Physica Status Solidi A : Applications and Materials Science*, 2015, vol. 212, no. 12, pp. 2915 - 2921. (2014: 1.616 - IF, Q2 - JCR, 0.688 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents). ISSN 1862-6300. Dostupné na: <https://doi.org/10.1002/pssa.201532324>

Ohlasy:

1. [1.1] HIDAYAT, Nurul - SUNARYONO - TAUFIQ, Ahmad - SAPUTRO, Rosy Eko - KUSNUNNAHARI - CHUENCHOM, Laemthong. Temperature Effect on Crystal Structures, Morphological Shapes, and Functional Groups of Zinc Oxide. In RENEWABLE ENERGY AND ITS APPLICATIONS. ISSN 0094-243X, 2020, vol. 2228, 030017., Registrované v: WOS
2. [1.1] HOPPE, Mathias - ABABII, Nicolai - POSTICA, Vasile - LUPAN, Oleg - POLONSKYI, Oleksandr - SCHUETT, Fabian - KAPS, Soeren - SUKHODUB, Leonid F. - SONTEA, Victor - STRUNSKUS, Thomas - FAUPEL, Franz - ADELUNG, Rainer. (CuO-Cu₂O)/ZnO:Al heterojunctions for volatile organic compound detection. In SENSORS AND ACTUATORS B-CHEMICAL. ISSN 0925-4005, 2018, vol. 255, pp. 1362-1375., Registrované v: WOS

3. [1.1] KOBORI, Toshifumi - FUKUDA, Takeshi - TAKAHASHI, Akihiro - TODA, Asuki - KAMATA, Norihiko - URATANI, Yudai. Influence of annealing temperature for ZnO layer on photoconversion efficiency of organic devices. In MOLECULAR CRYSTALS AND LIQUID CRYSTALS. ISSN 1542-1406, 2017, vol. 653, no. 1, pp. 182-187., Registrované v: WOS
4. [1.1] LATYSHEV, V. M. - BERESTOK, T. O. - OPANASYUK, A. S. - KORNYUSHCHENKO, A. S. - PEREKRESTOV, V. I. Nanostructured ZnO films for potential use in LPG gas sensors. In SOLID STATE SCIENCES. ISSN 1293-2558, 2017, vol. 67, pp. 109-113., Registrované v: WOS
5. [1.1] LEE, Jae-Ho - OH, Kwonwoo - JUNG, Kyungeun - WILSON, K. C. - LEE, Man-Jong. Tuning the Morphology and Properties of Nanostructured Cu-ZnO Thin Films Using a Two-Step Sputtering Technique. In METALS, 2020, vol. 10, no. 4, 437., Registrované v: WOS
6. [1.1] SALOHUB, A. O. - KLIMOV, O. V. - VOZNYI, A. A. - MANZHOS, O. P. - OPANASYUK, A. S. Morphology, Chemical Composition and Optical Properties Of Zn₂SnO₄ Films Obtained by Pulsed Spray Pyrolysis. In INTERNATIONAL CONFERENCE ON NANOMATERIALS: APPLICATION & PROPERTIES (NAP), 2016, vol., no., pp., Registrované v: WOS
7. [1.1] UKLEIN, A. V. - MULTIAN, V. V. - KUZ'MICHEVA, G. M. - LINNIK, R. P. - LISNYAK, V. V. - POPOV, A. I. - GAYVORONSKY, V. Ya. Nonlinear optical response of bulk ZnO crystals with different content of intrinsic defects. In OPTICAL MATERIALS. ISSN 0925-3467, 2018, vol. 84, pp. 738-747., Registrované v: WOS
8. [1.1] WALTER, Timothy N. - LEE, Sora - ZHANG, Xiaotian - CHUBAROV, Mikhail - REDWING, Joan M. - JACKSON, Thomas N. - MOHNEY, Suzanne E. Atomic layer deposition of ZnO on MoS₂ and WSe₂. In APPLIED SURFACE SCIENCE. ISSN 0169-4332, 2019, vol. 480, pp. 43-51., Registrované v: WOS
9. [1.1] WANG, Y. - PENG, Z. J. - WANG, Q. - FU, X. L. Tunable electrical resistivity of oxygen-deficient zinc oxide thin films. In SURFACE ENGINEERING. ISSN 0267-0844, 2017, vol. 33, no. 3, pp. 217-225., Registrované v: WOS
10. [1.1] ZEUMAULT, Andre - SCHEIDELER, William - SUBRAMANIAN, Vivek. Electrostatic Tuning of Spray-Deposited ZnO for Controlled Mobility Enhancement. In ADVANCED FUNCTIONAL MATERIALS. ISSN 1616-301X, 2017, vol. 27, no. 30, 1701021., Registrované v: WOS

ADCA246 DOUPOVEC, Juraj - SITEK, J. - KAKOS, J. Crystallization of iron phosphate-glasses. In *Journal of Thermal Analysis and Calorimetry*, 1981, vol. 22, no. 2, p. 213-219. ISSN 1388-6150. Dostupné na: <https://doi.org/10.1007/BF01915267>

Ohlasy:

1. [1.1] KUCZEK, Justyna - SUŁOWSKA, Justyna - LACH, Radosław - SZUMERA, Magdalena. The glass formation and crystallization studies on iron phosphate-silicate glasses. In JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY. ISSN 1388-6150, 2019, vol. 138, no. 3, pp. 1953-1964., Registrované v: WOS
2. [1.1] MOSNER, Petr - RACICKY, Antonin - KOUDELKA, Ladislav.

Thermal properties and crystallization of MgO-FeOx-P2O5 glasses. In JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY. ISSN 1388-6150, 2018, vol. 132, no. 2, pp. 843-850., Registrované v: WOS

3. [1.1] PAVIC, Luka - NIKOLIC, Juraj - GRACA, Manuel P. F. - COSTA, Benilde F. O. - VALENTE, Manuel A. - SKOKO, Zeljko - SANTIC, Ana - MOGUS-MILANKOVIC, Andrea. Effect of controlled crystallization on polaronic transport in phosphate-based glass-ceramics. In INTERNATIONAL JOURNAL OF APPLIED GLASS SCIENCE. ISSN 2041-1286, 2019., Registrované v: WOS

4. [1.1] PAVIC, Luka - SKOKO, Zeljko - GAJOVIC, Andreja - SU, Dangsheng - MOGUS-MILANKOVIC, Andrea. Electrical transport in iron phosphate glass-ceramics. In JOURNAL OF NON-CRYSTALLINE SOLIDS. ISSN 0022-3093, 2018, vol. 502, pp. 44-53., Registrované v: WOS

ADCA247 DÓZSA, L. - MOLNÁR, G. - RAINERI, V. - FERENCZ, J. - LÁNYI, Štefan. Scanning tip measurement for identification of point defects. In *Nanoscale Research Letters*, 2011, vol. 6, no. 1, 140. (2010: 1.061 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents). ISSN 1556-276X. Dostupné na: <https://doi.org/10.1186/1556-276X-6-140>

Ohlasy:

1. [1.1] CHINONE, N. - CHO, Y. - KOSUGI, R. - TANAKA, Y. - HARADA, S. - OKUMURA, H. Two-dimensional local deep level transient spectroscopy imaging using super-higher-order scanning nonlinear dielectric microscopy. In ISTFA 2016: CONFERENCE PROCEEDINGS FROM THE 42ND INTERNATIONAL SYMPOSIUM FOR TESTING AND FAILURE ANALYSIS, 2016, pp. 441-445., Registrované v: WOS
2. [1.1] CHINONE, N. - KOSUGI, R. - TANAKA, Y. - HARADA, S. - OKUMURA, H. - CHO, Y. Local deep level transient spectroscopy using super-higher-order scanning nonlinear dielectric microscopy. In MICROELECTRONICS RELIABILITY. ISSN 0026-2714, 2016, vol. 64, pp. 566-569., Registrované v: WOS
3. [1.1] PEAKER, A. R. - MARKEVICH, V. P. - COUTINHO, J. Tutorial: Junction spectroscopy techniques and deep-level defects in semiconductors. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2018, vol. 123, no. 16, 161559., Registrované v: WOS

ADCA248 DREESKORNFELD, L. - SEGLER, R. - HAINDL, G. - WEHMEYER, O. - RAHN, S. - MAJKOVÁ, Eva - KLEINEBERG, U. - HEINZMANN, U. - HUDEK, Peter - KOSTIČ, Ivan. Reactive ion etching with end point detection of microstructured Mo/Si multilayers by optical emission spectroscopy. In *Microelectronic Engineering*, 2000, vol. 54, no. 3-4, p. 303-314. (1999: 0.810 - IF, Current Contents - CCC). (2000 - Current Contents). ISSN 0167-9317.

Ohlasy:

1. [1.1] MANKA, Tadeas - SERY, Mojmir - KRATKY, Stanislav - ZEMANEK, Pavel. LASER SYSTEM FOR MEASURING MEMS RELIEF CREATED BY THE METHOD OF DEEP REACTIVE ION ETCHING. In 21ST CZECH-POLISH-SLOVAK OPTICAL CONFERENCE ON WAVE AND QUANTUM ASPECTS OF CONTEMPORARY OPTICS. ISSN 0277-786X, 2018, vol. 10976, UNSP 109760M., Registrované v: WOS

ADCA249 DROBNÝ, Gabriel - BUŽEK, Vladimír. Fundamental limit on energy-transfer in kappa-photon down-conversion. In *Physical Review A*, 1994, vol. 50, no. 4, p. 3492-3499. ISSN 1050-2947.

Ohlasy:

1. [1.1] MEHER, Nilakantha - JHA, Anand K. Dependence of the photon statistics of down-converted field-modes on the photon statistics of the pump field-mode. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS. ISSN 0740-3224, 2020, vol. 37, no. 8, pp. 2248-2255., Registrované v: WOS

ADCA250 DROBNÝ, Gabriel - JEX, I. - BUŽEK, Vladimír. Mode entanglement in nondegenerate down-conversion with quantized pump. In *Physical Review A*, 1993, vol. 48, no. 1, p. 569-579. ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.48.569>

Ohlasy:

1. [1.1] FLOREZ, Jefferson - GIESE, Enno - CURIC, Davor - GINER, Lambert - BOYD, Robert W. - LUNDEEN, Jeff S. The phase sensitivity of a fully quantum three-mode nonlinear interferometer. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2018, vol. 20, 123022., Registrované v: WOS
2. [1.1] MEHER, Nilakantha - JHA, Anand K. Dependence of the photon statistics of down-converted field-modes on the photon statistics of the pump field-mode. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS. ISSN 0740-3224, 2020, vol. 37, no. 8, pp. 2248-2255., Registrované v: WOS

ADCA251 DROBNÝ, Gabriel - BANDILLA, A - JEX, Igor. Quantum description of nonlinearly interacting oscillators via classical trajectories. In *Physical Review A*, 1997, vol. 55, no. 1, p. 78-93. ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.55.78>

Ohlasy:

1. [1.1] KLIMOV, A. B. - LUIS ROMERO, J. - DE GUISE, H. Generalized SU(2) covariant Wigner functions and some of their applications. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THERORETICAL, 2017, vol. 50, no. 32, 323001., Registrované v: WOS
2. [1.1] KLIMOV, A. B. - SAINZ, I - ROMERO, J. L. Truncated Wigner approximation as non-positive Kraus map. In PHYSICA SCRIPTA. ISSN 0031-8949, 2020, vol. 95, no. 7, 074006., Registrované v: WOS
3. [1.1] OPATRNY, T. Squeezing with classical Hamiltonians. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 92, no. 3, 033801., Registrované v: WOS
4. [1.1] ROMERO, J. L. - KLIMOV, A. B. - WALLENTOWITZ, S. Semiclassical dynamics of a rigid rotor: SO(3) covariant approach. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2015, vol. 17, 043015., Registrované v: WOS
5. [1.1] VALTIERRA, Ivan F. - KLIMOV, Andrei B. Long-time semiclassical evolution of spinlike systems from Majorana sampling. In PHYSICAL REVIEW A. ISSN 2469-9926, 2020, vol. 102, no. 6, 062220., Registrované v: WOS

ADCA252 DROBNÝ, Gabriel - JEX, I. Quantum-properties of field modes in trilinear optical processes. In *Physical Review A*, 1992, vol. 46, no. 1, pp. 499-506. ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.46.499>

Ohlasy:

1. [1.1] FLOREZ, Jefferson - GIESE, Enno - CURIC, Davor - GINER, Lambert - BOYD, Robert W. - LUNDEEN, Jeff S. The phase sensitivity of a fully quantum three-mode nonlinear interferometer. In *NEW JOURNAL OF PHYSICS*. ISSN 1367-2630, 2018, vol. 20, 123022., Registrované v: WOS
2. [1.1] KLIMOV, A. B. - SAINZ, I - ROMERO, J. L. Truncated Wigner approximation as non-positive Kraus map. In *PHYSICA SCRIPTA*. ISSN 0031-8949, 2020, vol. 95, no. 7, 074006., Registrované v: WOS
3. [1.1] MARTINS, Alex Clesio Nunes - KLIMOV, Andrei B. - DE GUISE, Hubert. Correspondence rules for Wigner functions over $SU(3)/U(2)$. In *JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL*. ISSN 1751-8113, 2019, vol. 52, no. 28, 285202., Registrované v: WOS
4. [1.1] MOHAMADIAN, T. - PANAHI, H. - NEGRO, J. Second harmonic Hamiltonian: Algebraic and Schrodinger approaches. In *PHYSICS LETTERS A*. ISSN 0375-9601, 2020, vol. 384, no. 3, 126091., Registrované v: WOS
5. [1.1] VALTIERRA, Ivan F. - KLIMOV, Andrei B. Long-time semiclassical evolution of spinlike systems from Majorana sampling. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2020, vol. 102, no. 6, 062220., Registrované v: WOS
6. [1.1] VALTIERRA, I. F. - ROMERO, J. L. - KLIMOV, A. B. TWA versus semiclassical unitary approximation for spin-like systems. In *ANNALS OF PHYSICS*. ISSN 0003-4916, 2017, vol. 383, pp. 620-634., Registrované v: WOS

ADCA253 DROBNÝ, Gabriel - HLADKY, B. - BUŽEK, Vladimír. Quantum-state synthesis of multimode bosonic fields: Preparation of arbitrary states of two-dimensional vibrational motion of trapped ions. In *Physical Review A*, 1998, vol. 58, no. 3, p. 2481-2487. ISSN 1050-2947.

Ohlasy:

1. [1.1] BILLANGEON, P.M. - TSAI, J. S. - NAKAMURA, Y. Circuit-QED-based scalable architectures for quantum information processing with superconducting qubits. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2015, vol. 91, no. 9, 094517., Registrované v: WOS
2. [1.1] HUERTA ALDERETE, C. - RODRIGUEZ-LARA, B. M. Quantum simulation of driven para-Bose oscillators. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2017, vol. 95, no. 1, 013820., Registrované v: WOS
3. [1.1] HUERTA ALDERETE, C. - MORALES RODRIGUEZ, M. P. - RODRIGUEZ-LARA, B. M. Engineering $SU(1,1)$ circle times $SU(1,1)$ vibrational states. In *SCIENTIFIC REPORTS*. ISSN 2045-2322, 2019, vol. 9, 2734., Registrované v: WOS
4. [1.1] SHARMA, Roshan - STRAUCH, Frederick W. Quantum state synthesis of superconducting resonators. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2016, vol. 93, no. 1, 012342., Registrované v: WOS
5. [1.1] YANG, Chui-Ping - SU, Qi-Ping - ZHENG, Shi-Biao - et al. Entangling two oscillators with arbitrary asymmetric initial states. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2017, vol. 95, no. 5, 052341., Registrované v: WOS

WOS

6. [1.1] ZHAO, Yan-Jun - WANG, Changqing - ZHU, Xiaobo - LIU, Yu-xi. Engineering entangled microwave photon states through multiphoton interactions between two cavity fields and a superconducting qubit. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2016, vol. 6, no., 23646.,

Registrované v: WOS

7. [1.1] ZHONG, Zhi-Rong - HUANG, Xin-Jie - YANG, Zhen-Biao - SHEN, Li-Tuo - ZHENG, Shi-Biao. Generation and stabilization of entangled coherent states for the vibrational modes of a trapped ion. In PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 98, no. 3, 032311., Registrované v: WOS

ADCA254 DROBNÝ, Gabriel - HAVUKAINEN, M. - BUŽEK, Vladimír. Stimulated Emission via quantum Interference: Scattering of one-photon. In *Journal of Modern Optics*, 2000, vol. 47, p. 851-860. (1999: 1.475 - IF). ISSN 0950-0340. Dostupné na: <https://doi.org/10.1080/095003400147782>

Ohlasy:

1. [1.1] REICHEGGER, Andreas - EVERS, Joerg. Temporal dynamics of stimulated emission with applications in nuclear quantum optics. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 91, no. 5, 053810., Registrované v: WOS

2. [1.1] SANTOS, Jader P. - CELERI, Lucas C. - BRITO, Frederico - LANDI, Gabriel T. - PATERNOSTRO, Mauro. Spin-phase-space-entropy production. In PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 97, no. 5, 052123., Registrované v: WOS

3. [1.1] VALENTE, D. - BRITO, F. - FERREIRA, R. - WERLANG, T. Work on a quantum dipole by a single-photon pulse. In OPTICS LETTERS. ISSN 0146-9592, 2018, vol. 43, no. 11, pp. 2644-2647., Registrované v: WOS

ADCA255 DROBNÝ, Gabriel - JEX, I. The system of N 2-level atoms interacting with a field mode - entanglement and parametric approximation. In *Optics Communications*, 1993, vol. 102, no. 1 - 2, pp. 141 - 154. ISSN 0030-4018.

Ohlasy:

1. [1.1] TAVIS, Michael T. Photon echoes for a system of large negative spin and few photons. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS. ISSN 0740-3224, 2017, vol. 34, no. 7, pp. 1356-1365., Registrované v: WOS

ADCA256 DRUMMOND, M.C. - JOSS, D.T. - PAGE, R. - SIMPSON, J. - O'DONNELL, D. - ANDGREN, K. - BIANCO, L. - CEDERWALL, B. - DARBY, I.G. - EECKHAUDT, S. - GOMEZ-HOMILLOS, M.B. - GRAHN, T. - GREENLEES, P.T. - HADINIA, B. - JONES, P.M. - JULIN, R. - JUUTINEN, S. - KETELHUT, S. - LEPPAENEN, A.P. - LEINO, M. - NYMAN, M. - PAKARINEN, J. - RAHKILA, P. - SANDZELIUS, M. - SAPPLE, P.J. - SAREN, J. - SAYGI, B. - SCHOLEY, C. - SORRI, J. - THOMSON, J. - UUSITALO, J. - VENHART, Martin. Low-lying excited states in the neutron-deficient isotopes Os-163 and Os-165. In *Physical Review C*, 2013, vol. 87, no. 5, 054309. (2012: 3.715 - IF, 2.769 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.87.054309>

Ohlasy:

1. [1.1] JOSS, D. T. Evolution of collective structures in the heavy transitional nuclei above the N=82 closed shell. In EPJ WEB PF CPNFERENCES, 2016, vol. 123, UNSP 01006., Registrované v: WOS
2. [1.1] WANG, Meng - AUDI, G. - KONDEV, F. G. - HUANG, W. J. - NAIMI, S. - XU, Xing. The AME2016 atomic mass evaluation (II). Tables, graphs and references. In CHINESE PHYSICS C. ISSN 1674-1137, 2017, vol. 41, no. 3, 030003., Registrované v: WOS

ADCA257 DUBECKÝ, Matúš - DERIAN, René - HORVÁTHOVÁ, Lucia - ALLAN, M. - ŠTICH, Ivan. Disentanglement of triplet and singlet states of azobenzene: direct EELS detection and QMC modeling. In *Physical Chemistry Chemical Physics*, 2011, vol. 13, p. 20939-20945. (2010: 3.454 - IF, Q1 - JCR, 1.817 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents). ISSN 1463-9076. Dostupné na: <https://doi.org/10.1039/c1cp22520k>

Ohlasy:

1. [1.1] GORFINKIEL, Jimena D. Electron collisions with molecules and molecular clusters. In EUROPEAN PHYSICAL JOURNAL D. ISSN 1434-6060, 2020, vol. 74, no. 3, 51., Registrované v: WOS

ADCA258 DUBECKÝ, Matúš - DERIAN, René - MITAS, L. - ŠTICH, Ivan. Ground and excited electronic states of azobenzene: A quantum Monte Carlo study. In *Journal of Chemical Physics*, 2010, vol. 133, no. 24, 244301. (2009: 3.093 - IF, 2.040 - SJR, Q1 - SJR, Current Contents - CCC). (2010 - Current Contents). ISSN 0021-9606. Dostupné na: <https://doi.org/10.1063/1.3506028>

Ohlasy:

1. [1.1] BUSHUYEV, Oleksandr S. - TAN, Davin - BARRETT, Christopher J. - FRISCIC, Tomislav. Fluorinated azobenzenes with highly strained geometries for halogen bond-driven self-assembly in the solid state. In CRYSTENGCOMM. ISSN 1466-8033, 2015, vol. 17, no. 1, pp. 73., Registrované v: WOS
2. [1.1] CASTILLO, Maria V. - PERGOMET, Jorgelina L. - CARNAVALE, Gustavo A. - et al. FTIR, FTRaman, UV-Visible and NMR spectroscopic studies on 3,3',4,4'-tetrachloroazoxybenzene, an azoxybenzene derivative with toxic effects. In JOURNAL OF MOLECULAR STRUCTURE. ISSN 0022-2860, 2017, vol. 1142, pp. 18-27., Registrované v: WOS
3. [1.1] DASH, Monika - FELDT, Jonas - MORONI, Saverio - SCEMAMA, Anthony - FILIPPI, Claudia. Excited States with Selected Configuration Interaction-Quantum Monte Carlo: Chemically Accurate Excitation Energies and Geometries. In JOURNAL OF CHEMICAL THEORY AND COMPUTATION. ISSN 1549-9618, 2019, vol. 15, no. 9, pp. 4896-4906., Registrované v: WOS
4. [1.1] DAVIDENKO, N. A. - DAVIDENKO, I. I. - PAVLOV, V. A. - CHUPRINA, N. G. - MOKRINSKAYA, E. V. - TARASENKO, V. V. - TONKOPIEVA, L. S. - KRAVCHENKO, V. V. Recording medium based on the films of azobenzene copolymer with free surface and in sandwich-structures for polarization holography. In OPTICAL MATERIALS. ISSN 0925-3467, 2018, vol. 76, pp. 169-173., Registrované v: WOS
5. [1.1] MAI, Sebastian - GONZALEZ, Leticia. Molecular Photochemistry: Recent Developments in Theory. In ANGEWANDTE

- CHEMIE-INTERNATIONAL EDITION. ISSN 1433-7851, 2020, vol. 59, no. 39, pp. 16832-16846., Registrované v: WOS
6. [1.1] MARINESCU, Maria - EMANDI, Ana - MARTON, George - CINTEZA, Ludmila Otilia - CONSTANTINESCU, Catalin. Structural Studies and Optical Nonlinear Response of Some Pyrazole-5-Ones. In NANOSCIENCE AND NANOTECHNOLOGY LETTERS. ISSN 1941-4900, 2015, vol. 7, no. 10, pp. 846., Registrované v: WOS
7. [1.1] MARSHALL, K. L. - SEKERA, E. R. - XIAO, K. Computational chemistry modeling and design of photoswitchable alignment materials for optically addressable liquid crystal devices. In LIQUID CRYSTALS XIX. ISSN 0277-786X, 2015, vol. 9565, 95650T., Registrované v: WOS
8. [1.1] MARTINS, Gabriel F. - CABRAL, Benedito J. C. Electron Propagator Theory Approach to the Electron Binding Energies of a Prototypical Photo-Switch Molecular System: Azobenzene. In JOURNAL OF PHYSICAL CHEMISTRY A. ISSN 1089-5639, 2019, vol. 123, no. 10, pp. 2091-2099., Registrované v: WOS
9. [1.1] MCCOY, Thomas M. - LIU, Amelia C. Y. - TABOR, Rico F. Light-controllable dispersion and recovery of graphenes and carbon nanotubes using a photo-switchable surfactant. In NANOSCALE. ISSN 2040-3364, 2016, vol. 8, no. 13, pp. 6969-6974., Registrované v: WOS
10. [1.1] SCEMAMA, Anthony - BENALI, Anouar - JACQUEMIN, Denis - CAFFAREL, Michel - LOOS, Pierre-Francois. Excitation energies from diffusion Monte Carlo using selected configuration interaction nodes. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2018, vol. 149, no. 3, 034108., Registrované v: WOS
11. [1.1] SILKOWSKI, Michal - LESIUK, Michal - MOSZYNSKI, Robert. Calculation of the molecular integrals with the range-separated correlation factor. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2015, vol. 142, no. 12, 124102., Registrované v: WOS
12. [1.1] SRSEN, Stepan - SITA, Jaroslav - SLAVICEK, Petr - LADANYI, Vit - HEGER, Dominik. Limits of the Nuclear Ensemble Method for Electronic Spectra Simulations: Temperature Dependence of the (E)-Azobenzene Spectrum. In JOURNAL OF CHEMICAL THEORY AND COMPUTATION. ISSN 1549-9618, 2020, vol. 16, no. 10, pp. 6428-6438., Registrované v: WOS
13. [1.1] TAKESHITA, Tatsuya - HARA, Michihiro. Photoionization and trans-to-cis isomerization of beta-cyclodextrin-encapsulated azobenzene induced by two-color two-laser-pulse excitation. In SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY. ISSN 1386-1425, 2018, vol. 193, pp. 475-479., Registrované v: WOS
14. [1.1] VULCANO, Rosaria - PENGGO, Paolo - VELARI, Simone - et al. Toward Fractioning of Isomers through Binding-Induced Acceleration of Azobenzene Switching. In JOURNAL OF THE AMERICAN CHEMICAL SOCIETY. ISSN 0002-7863, 2017, vol. 139, no. 50, pp. 18271-18280., Registrované v: WOS
15. [1.1] ZAHARIEV, Federico - GORDON, Mark S. - LEVY, Mel. Nodal variational principle for excited states. In PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 98, no. 1, 012144., Registrované v: WOS

ADCA259 DUBECKÝ, Matúš - SU, H.B. Magnetism in thiolated gold model junctions. In *Journal of Physical Chemistry C*, 2012, vol. 116, no. 33, p. 17714-17720. (2011: 4.805 - IF, Q1 - JCR, 2.339 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents). ISSN 1932-7447. Dostupné na: <https://doi.org/10.1021/jp305716m>

Ohlasy:

1. [1.1] KOSTYRKO, T. - SLUSARSKI, T. Adsorption of a metalorganic complex at a metal surface: A density functional theory study vs. model description. In *JOURNAL OF APPLIED PHYSICS*. ISSN 0021-8979, 2015, vol. 117, no. 3, 034302., Registrované v: WOS
2. [1.1] NOVIKOV, Alexander S. Strong metallophilic interactions in nickel coordination compounds. In *INORGANICA CHIMICA ACTA*. ISSN 0020-1693, 2018, vol. 483, pp. 21-25., Registrované v: WOS
3. [1.1] XU, Haoxiang - CHENG, Daojian. Effect of the Passivating Ligands on the Geometric and Electronic Properties of Au-Pd Nanoalloys. In *JOURNAL OF CLUSTER SCIENCE*. ISSN 1040-7278, 2015, vol. 26, no. 3, pp. 799-813., Registrované v: WOS
4. [1.1] YU, Haiyan - CAO, Dapeng - FISHER, Adrian - JOHNSTON, Roy L. - CHENG, Daojian. Size effect on the adsorption and dissociation of CO₂ on Co nanoclusters. In *APPLIED SURFACE SCIENCE*. ISSN 0169-4332, 2017, vol. 396, no., pp. 539-546., Registrované v: WOS

ADCA260 DUBECKÝ, Matúš - JUREČKA, P. - DERIAN, René - HOBZA, P. - OTYPEKA, M. - MITÁŠ, L. Quantum Monte Carlo methods describe noncovalent interactions with subchemical accuracy. In *Journal of Chemical Theory and Computation*, 2013, vol. 9, no. 10, p. 4287-4292. (2012: 5.389 - IF, Q1 - JCR, 2.784 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents). ISSN 1549-9618. Dostupné na: <https://doi.org/10.1021/ct4006739>

Ohlasy:

1. [1.1] AL-HAMDANI, Yasmine S. - MA, Ming - ALFE, Dario - VON LILIENFELD, O. Anatole - MICHAELIDES, Angelos. Communication: Water on hexagonal boron nitride from diffusion Monte Carlo. In *JOURNAL OF CHEMICAL PHYSICS*. ISSN 0021-9606, 2015, vol. 142, no. 18, 181101., Registrované v: WOS
2. [1.1] AZADI, Sam - COHEN, R. E. Chemical accuracy from quantum Monte Carlo for the benzene dimer. In *JOURNAL OF CHEMICAL PHYSICS*. ISSN 0021-9606, 2015, vol. 143, no. 10, 104301., Registrované v: WOS
3. [1.1] BENALI, Anouar - SHULENBURGER, Luke - KROGEL, Jaron T. - ZHONG, Xiaoliang - KENT, Paul R. C. - HEINONEN, Olle. Quantum Monte Carlo analysis of a charge ordered insulating antiferromagnet: the Ti₄O₇ Magneli phase. In *PHYSICAL CHEMISTRY CHEMICAL PHYSICS*. ISSN 1463-9076, 2016, vol. 18, no. 27, pp. 18323-18335., Registrované v: WOS
4. [1.1] CLAY, Raymond C. - MORALES, Miguel A. Influence of single particle orbital sets and configuration selection on multideterminant wavefunctions in quantum Monte Carlo. In *JOURNAL OF CHEMICAL PHYSICS*. ISSN 0021-9606, 2015, vol. 142, no. 23, 234103., Registrované v: WOS
5. [1.1] DEIBLE, Michael J. - KESSLER, Melody - GASPERICH, Kevin E. - JORDAN, Kenneth D. Quantum Monte Carlo calculation of the

- binding energy of the beryllium dimer. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2015, vol. 143, no. 8, 084116., Registrované v: WOS
6. [1.1] ESQUE, Jeremy - CECCHINI, Marco. Accurate Calculation of Conformational Free Energy Differences in Explicit Water: The Confinement-Solvation Free Energy Approach. In JOURNAL OF PHYSICAL CHEMISTRY B. ISSN 1520-6106, 2015, vol. 119, no. 16, pp. 5194., Registrované v: WOS
 7. [1.1] FREY, Jann A. - HOLZER, Christof - KLOPPER, Wim - LEUTWYLER, Samuel. Experimental and Theoretical Determination of Dissociation Energies of Dispersion-Dominated Aromatic Molecular Complexes. In CHEMICAL REVIEWS. ISSN 0009-2665, 2016, vol. 116, no. 9, pp. 5614-5641., Registrované v: WOS
 8. [1.1] GILLAN, Michael J. - ALFE, Dario - MICHAELIDES, Angelos. Perspective: How good is DFT for water? In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2016, vol. 144, no. 13., Registrované v: WOS
 9. [1.1] GILLAN, M. J. - ALFE, D. - MANBY, F. R. Energy benchmarks for methane-water systems from quantum Monte Carlo and second-order Moller-Plesset calculations. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2015, vol. 143, no. 10, 102812., Registrované v: WOS
 10. [1.1] HERMANN, Jan - ALFE, Dario - TKATCHENKO, Alexandre. Nanoscale pi-pi stacked molecules are bound by collective charge fluctuations. In NATURE COMMUNICATIONS. ISSN 2041-1723, 2017, vol. 8, 14052., Registrované v: WOS
 11. [1.1] HOJA, Johannes - REILLY, Anthony M. - TKATCHENKO, Alexandre. First-principles modeling of molecular crystals: structures and stabilities, temperature and pressure. In WILEY INTERDISCIPLINARY REVIEWS-COMPUTATIONAL MOLECULAR SCIENCE. ISSN 1759-0876, 2017, vol. 7, no. 1, e1294., Registrované v: WOS
 12. [1.1] HONGO, Kenta - MAEZONO, Ryo. A Computational Scheme To Evaluate Hamaker Constants of Molecules with Practical Size and Anisotropy. In JOURNAL OF CHEMICAL THEORY AND COMPUTATION. ISSN 1549-9618, 2017, vol. 13, no. 11, pp. 5217-5230., Registrované v: WOS
 13. [1.1] HONGO, Kenta - WATSON, Mark A. - IITAKA, Toshiaki - ASPURU-GUZI, Alan - MAEZONO, Ryo. Diffusion Monte Carlo Study of Para-Diodobenzene Polymorphism Revisited. In JOURNAL OF CHEMICAL THEORY AND COMPUTATION. ISSN 1549-9618, 2015, vol. 11, no. 3, pp. 907., Registrované v: WOS
 14. [1.1] KRONGCHON, Kittithat - BUSEMEYER, Brian - WAGNER, Lucas K. Accurate barrier heights using diffusion Monte Carlo. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2017, vol. 146, no. 12, 124129., Registrované v: WOS
 15. [1.1] LAO, Ka Un - HERBERT, John M. Accurate and Efficient Quantum Chemistry Calculations for Noncovalent Interactions in Many-Body Systems: The XSAPT Family of Methods. In JOURNAL OF PHYSICAL CHEMISTRY A. ISSN 1089-5639, 2015, vol. 119, no. 2, pp. 235., Registrované v: WOS
 16. [1.1] LUO, Ye - BENALI, Anouar - SHULENBURGER, Luke -

- KROGEL, Jaron T. - HEINONEN, Olle - KENT, Paul R. C. Phase stability of TiO₂ polymorphs from diffusion Quantum Monte Carlo. In *NEW JOURNAL OF PHYSICS*. ISSN 1367-2630, 2016, vol. 18, 113049., Registrované v: WOS
17. [1.1] MCMINIS, Jeremy - CLAY, Raymond C. - LEE, Donghwa - MORALES, Miguel A. Molecular to Atomic Phase Transition in Hydrogen under High Pressure. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2015, vol. 114, no. 10, 105305., Registrované v: WOS
18. [1.1] PILAR DE LARA-CASTELLS, Mara - MITRUSHCHENKOV, Alexander O. - STOLL, Hermann. Combining density functional and incremental post-Hartree-Fock approaches for van der Waals dominated adsorbate-surface interactions: Ag-2/graphene. In *JOURNAL OF CHEMICAL PHYSICS*. ISSN 0021-9606, 2015, vol. 143, no. 10, 102804., Registrované v: WOS
19. [1.1] REEVES, Kyle G. - YAO, Yi - KANAI, Yosuke. Diffusion quantum Monte Carlo study of martensitic phase transition energetics: The case of phosphorene. In *JOURNAL OF CHEMICAL PHYSICS*. ISSN 0021-9606, 2016, vol. 145, no. 12, 124705., Registrované v: WOS
20. [1.1] REZAC, Jan - HOBZA, Pavel. Benchmark Calculations of Interaction Energies in Noncovalent Complexes and Their Applications. In *CHEMICAL REVIEWS*. ISSN 0009-2665, 2016, vol. 116, no. 9, pp. 5038-5071., Registrované v: WOS
21. [1.1] SHULENBURGER, L. - BACZEWSKI, A. D. - ZHU, Z. - GUAN, J. - TOMANEK, D. The Nature of the Inter layer Interaction in Bulk and Few-Layer Phosphorus. In *NANO LETTERS*. ISSN 1530-6984, 2015, vol. 15, no. 12, pp. 8170., Registrované v: WOS
22. [1.1] SILKOWSKI, Michal - LESIUK, Michal - MOSZYNSKI, Robert. Calculation of the molecular integrals with the range-separated correlation factor. In *JOURNAL OF CHEMICAL PHYSICS*. ISSN 0021-9606, 2015, vol. 142, no. 12, 124102., Registrované v: WOS
23. [1.1] TROUILLAS, Patrick - SANCHO-GARCIA, Juan C. - DE FREITAS, Victor - GIERSCNER, Johannes - OTYEPKA, Michal - DANGLES, Olivier. Stabilizing and Modulating Color by Copigmentation: Insights from Review Theory and Experiment. In *CHEMICAL REVIEWS*. ISSN 0009-2665, 2016, vol. 116, no. 9, pp. 4937-4982., Registrované v: WOS
24. [1.1] VYSOTSKY, Yu. B. - KARTASHYNSKA, E. S. - VOLLHARDT, D. Theoretical description of 2D-cluster formation of nonionic surfactants at the air/water interface. In *COLLOID AND POLYMER SCIENCE*. ISSN 0303-402X, 2015, vol. 293, no. 11, pp. 3065., Registrované v: WOS
25. [1.1] ZHOU, Xiaojun - WANG, Fan. Barrier Heights of Hydrogen-Transfer Reactions with Diffusion Quantum Monte Carlo Method. In *JOURNAL OF COMPUTATIONAL CHEMISTRY*. ISSN 0192-8651, 2017, vol. 38, no. 11, pp. 798-806., Registrované v: WOS

ADCA261 DUBECKÝ, M. - DERIAN, René - JUREČKA, P. - MITÁŠ, L. - HOBZA, P. - OTYEPKA, M. Quantum Monte Carlo for noncovalent interactions: an efficient protocol attaining benchmark accuracy. In *Physical Chemistry Chemical Physics*, 2014, vol. 16, no. 38, p. 20915-20923. (2013: 4.198 - IF, Q1 - JCR, 1.715 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents). ISSN 1463-9076.
Dostupné na: <https://doi.org/10.1039/c4cp02093f>

Ohlasy:

1. [1.1] AMOVILLI, Claudio - FLORIS, Franca Maria - GRISAFI,

Andrea. Localized Polycentric Orbital Basis Set for Quantum Monte Carlo Calculations Derived from the Decomposition of Kohn-Sham Optimized Orbitals. In COMPUTATION. ISSN 2079-3197, 2016, vol. 4, no. 1., Registrované v: WOS

2. [1.1] FREY, Jann A. - HOLZER, Christof - KLOPPER, Wim - LEUTWYLER, Samuel. Experimental and Theoretical Determination of Dissociation Energies of Dispersion-Dominated Aromatic Molecular Complexes. In CHEMICAL REVIEWS. ISSN 0009-2665, 2016, vol. 116, no. 9, pp. 5614-5641., Registrované v: WOS

3. [1.1] FUMANAL, Maria - WAGNER, Lucas K. - SANVITO, Stefano - DROGHETTI, Andrea. Diffusion Monte Carlo Perspective on the Spin-State Energetics of $[\text{Fe}(\text{NCH})(6)](2+)$. In JOURNAL OF CHEMICAL THEORY AND COMPUTATION. ISSN 1549-9618, 2016, vol. 12, no. 9, pp. 4233-4241., Registrované v: WOS

4. [1.1] HONGO, Kenta - MAEZONO, Ryo. A Computational Scheme To Evaluate Hamaker Constants of Molecules with Practical Size and Anisotropy. In JOURNAL OF CHEMICAL THEORY AND COMPUTATION. ISSN 1549-9618, 2017, vol. 13, no. 11, pp. 5217-5230., Registrované v: WOS

5. [1.1] KRONGCHON, Kittithat - BUSEMEYER, Brian - WAGNER, Lucas K. Accurate barrier heights using diffusion Monte Carlo. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2017, vol. 146, no. 12, 124129., Registrované v: WOS

6. [1.1] LUO, Ye - BENALI, Anouar - SHULENBURGER, Luke - KROGEL, Jaron T. - HEINONEN, Olli - KENT, Paul R. C. Phase stability of TiO_2 polymorphs from diffusion Quantum Monte Carlo. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2016, vol. 18, 113049., Registrované v: WOS

7. [1.1] MANNA, Debashree - KESHARWANI, Manoj K. - SYLVETSKY, Nitai - MARTIN, Jan M. L. Conventional and Explicitly Correlated ab Initio Benchmark Study on Water Clusters: Revision of the BEGDB and WATER27 Data Sets. In JOURNAL OF CHEMICAL THEORY AND COMPUTATION. ISSN 1549-9618, 2017, vol. 13, no. 7, pp. 3136-3152., Registrované v: WOS

8. [1.1] PATKOWSKI, Konrad. Benchmark Databases of Intermolecular Interaction Energies: Design, Construction, and Significance. In ANNUAL REPORTS IN COMPUTATIONAL CHEMISTRY, ISSN 1574-1400, 2017, vol. 13, pp. 3-91., Registrované v: WOS

9. [1.1] PICHUGINA, D. A. - KUZNETSOV, N. E. - SHESTAKOV, A. F. Ligand-protected gold clusters: the structure, synthesis and applications. In RUSSIAN CHEMICAL REVIEWS. ISSN 0036-021X, 2015, vol. 84, no. 11, pp. 1114., Registrované v: WOS

10. [1.1] PILAR DE LARA-CASTELLS, Mara - MITRUSHCHENKOV, Alexander O. - STOLL, Hermann. Combining density functional and incremental post-Hartree-Fock approaches for van der Waals dominated adsorbate-surface interactions: $\text{Ag}_2/\text{graphene}$. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2015, vol. 143, no. 10, 102804., Registrované v: WOS

11. [1.1] SHULENBURGER, L. - BACZEWSKI, A. D. - ZHU, Z. - GUAN, J. - TOMANEK, D. The Nature of the Inter layer Interaction in Bulk and Few-Layer Phosphorus. In NANO LETTERS. ISSN 1530-6984, 2015, vol. 15, no. 12, pp. 8170., Registrované v: WOS

12. [1.1] SILKOWSKI, Michal - LESIUK, Michal - MOSZYNSKI,

- Robert. Calculation of the molecular integrals with the range-separated correlation factor. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2015, vol. 142, no. 12, 124102., Registrované v: WOS
13. [1.1] SWANN, Ellen T. - COOTE, Michelle L. - BARNARD, Amanda S. - PER, Manolo C. Efficient protocol for quantum Monte Carlo calculations of hydrogen abstraction barriers: Application to methanol. In INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY. ISSN 0020-7608, 2017, vol. 117, no. 9, e25361., Registrované v: WOS
14. [1.1] SWIECH, Dominika - KUBISIAK, Piotr - ANDRZEJAK, Marcin - BOROWSKI, Piotr - PRONIEWICZ, Edyta. Vibrational and ab initio molecular dynamics studies of bradykinin. In JOURNAL OF MOLECULAR STRUCTURE. ISSN 0022-2860, 2016, vol. 1116, no., pp. 272-278., Registrované v: WOS
15. [1.1] TROUILLAS, Patrick - SANCHO-GARCIA, Juan C. - DE FREITAS, Victor - GIERSCHNER, Johannes - OTYEPKA, Michal - DANGLES, Olivier. Stabilizing and Modulating Color by Copigmentation: Insights from Review Theory and Experiment. In CHEMICAL REVIEWS. ISSN 0009-2665, 2016, vol. 116, no. 9, pp. 4937-4982., Registrované v: WOS
16. [1.1] WU, Yanbin - WAGNER, Lucas K. - ALURU, Narayana R. The interaction between hexagonal boron nitride and water from first principles. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2015, vol. 142, no. 23, 234702., Registrované v: WOS
17. [1.1] WU, Yanbin - WAGNER, Lucas K. - ALURU, Narayana R. Hexagonal boron nitride and water interaction parameters. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2016, vol. 144, no. 16, 164118., Registrované v: WOS
18. [1.1] ZHOU, Xiaojun - WANG, Fan. Barrier Heights of Hydrogen-Transfer Reactions with Diffusion Quantum Monte Carlo Method. In JOURNAL OF COMPUTATIONAL CHEMISTRY. ISSN 0192-8651, 2017, vol. 38, no. 11, pp. 798-806., Registrované v: WOS

ADCA262 DUBNIČKA, Stanislav. Analysis of nucleon form-factor data reveals the $e+a\text{-jnnbar}$ cross- section to be remarkably larger than the $e+e\text{-jppbar}$ one. In *Nuovo Cimento A*, 1988, vol. 100, no. 1, p. 1-24. ISSN 0369-3546.

Ohlasy:

1. [1.1] XIA, Li-Gang. Study of $\psi(3770)$ decaying to baryon anti-baryon pairs. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 756, pp. 77-83., Registrované v: WOS

ADCA263 DUBNIČKA, Stanislav - DUBNIČKOVÁ, A.Z. - ISSADYKOV, A. - IVANOV, M.A. - LIPTAJ, Andrej - SAKHIYEV, S.K. Decay $B\text{-s} - \phi l^{(+)}l^{(-)}$ in covariant quark model. In *Physical Review D*, 2016, vol. 93, no. 9, 094022. (2015: 4.506 - IF, Q2 - JCR, 2.236 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.93.094022>

Ohlasy:

1. [1.1] SONI, N. R. - PANDYA, J. N. Decay $D > K^{(*)} l^{(+)} \nu(l)$ in covariant quark model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 1, 016017., Registrované v: WOS
2. [1.1] WANG, Shuai-Wei. Study of $(B)\text{over-bar}(s) > \phi \mu^{(+)}\mu^{(-)}$

decays in the G(211) model and vector leptoquark model. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2017, vol. 32, no. 25, 1750155., Registrované v: WOS

ADCA264 DUBNIČKA, Stanislav - DUBNIČKOVÁ, A.Z. - HABYL, N. - IVANOV, M.A. - LIPTAJ, Andrej - NURBAKOVA, G.S. Decay $B \rightarrow K^* l \bar{l}$ in covariant quark model. In *Few-Body Systems*, 2016, vol. 57, no. 2, p. 121-143. (2015: 0.558 - IF, Q4 - JCR, 0.367 - SJR, Q3 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0177-7963. Dostupné na: <https://doi.org/10.1007/s00601-015-1034-4>

Ohlasy:

1. [1.1] GUTSCHE, T. - IVANOV, M. A. - KOERNER, J. G. - et al. Theoretical description of the decays $\Lambda(b) \rightarrow \Lambda^*(\bar{l}) (1/2(+/-), 3/2(+/-)) + J/\psi$, In PHYSICAL REVIEW D, 2017, vol. 96, no. 1, 013003., Registrované v: WOS

ADCA265 DUBNIČKA, Stanislav - DUBNIČKOVÁ, A.Z. - IVANOV, M.A. - LIPTAJ, Andrej. Decays $B \rightarrow J/\psi \eta$ and $B \rightarrow J/\psi \eta'$ in the framework of covariant quark model. In *Physical Review D*, 2013, vol. 87, no. 7, 074021. (2012: 4.691 - IF, Q1 - JCR, 2.725 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.87.074021>

Ohlasy:

1. [1.1] RUI, Z. - LI, Y. - XIAO, Z.-J. Branching ratios, CP asymmetries and polarizations of $B \rightarrow \psi(2S)V$ decays, In EUROPEAN PHYSICAL JOURNAL C, 2017, vol. 77, no. 9, 610., Registrované v: WOS

ADCA266 DUBNIČKA, Stanislav - DUBNIČKOVÁ, Anna Zuzana - WEISENPACHER, Peter. Nucleon electromagnetic structure revisited. In *Journal of Physics G: Nuclear and particle physics*, 2003, vol. 29, no. 2, p. 405-429. (2002: 1.399 - IF). ISSN 0954-3899. Dostupné na: <https://doi.org/10.1088/0954-3899/29/2/316>

Ohlasy:

1. [1.1] BERLIN, Asher - KLING, Felix. Inelastic dark matter at the LHC lifetime frontier: ATLAS, CMS, LHCb, CODEX-b, FASER, and MATHUSLA. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 99, no. 1, 015021., Registrované v: WOS

2. [1.1] HAGELSTEIN, Franziska - MISKIMEN, Rory - PASCALUTSA, Vladimir. Nucleon polarizabilities: From Compton scattering to hydrogen atom. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2016, vol. 88, pp. 29-97., Registrované v: WOS

3. [1.1] KARSHENBOIM, Savely G. - KORZININ, Evgeny Yu - SHELYUTO, Valery A. Relativistic finite-nuclear-size corrections to the energy levels in light muonic atoms. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 99, no. 3, 032508., Registrované v: WOS

ADCA267 DUBNIČKA, Stanislav - DUBNIČKOVÁ, A.Z. - IVANOV, M.A. - KORNER, J.G. - SANTORELLI, P. - SAIDULLAEVA, G.G. One-photon decay of the tetraquark state $X(3872) \rightarrow \gamma + J/\psi$ in a relativistic constituent quark model with infrared confinement. In *Physical Review D*, 2011, vol. 84, no. 1, 014006. (2010: 4.964 - IF, Q1 - JCR, 2.759 - SJR, Q1 - SJR, Current Contents -

CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.84.014006>

Ohlasy:

1. [1.1] CARDOSO, Marco - RUPP, George - VAN BEVEREN, Eef. Unquenched quark-model calculation of $X(3872)$ electromagnetic decays. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 1, 26., Registrované v: WOS
2. [1.1] CINCIOGLU, E. - OZPINECI, A. Radiative decay of the $X(3872)$ as a mixed molecule-charmonium state in effective field theory. In PHYSICS LETTERS B. ISSN 0370-2693, 2019, vol. 797, UNSP 134856., Registrované v: WOS
3. [1.1] DONG, Yubing - FAESSLER, Amand - GUTSCHE, Thomas - et al. Selected strong decays of $\eta(2225)$ and $\phi(2170)$ as $\Lambda(\Lambda)\overline{\Lambda}$ bound states. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 7, 074027., Registrované v: WOS
4. [1.1] DONG, Yubing - FAESSLER, Amand - LYUBOVITSKIY, Valery E. Description of heavy exotic resonances as molecular states using phenomenological Lagrangians. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2017, vol. 94, no., pp. 282-310., Registrované v: WOS
5. [1.1] GUTSCHE, Thomas - LYUBOVITSKIY, Valery E. - SCHMIDT, Ivan. Tetraquarks in holographic QCD. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 3, 034030., Registrované v: WOS
6. [1.1] CHEN, Hua-Xing - CHEN, Wei - LIU, Xiang - ZHU, Shi-Lin. The hidden-charm pentaquark and tetraquark states. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, 2016, vol. 639, ., pp. 1-121., Registrované v: WOS
7. [1.1] TORRES, A. Martinez - KHEMCHANDANI, K. P. - NAVARRA, F. S. - NIELSEN, M. - ABREU, Luciano M. $X(3872)$ production from reactions involving D and D^* mesons. In XXXVII BRAZILIAN MEETING ON NUCLEAR PHYSICS. ISSN 1742-6588, 2015, vol. 630, 012037., Registrované v: WOS
8. [1.1] WANG, Tianhong - JIANG, Yue - YUAN, Han - et al. Weak decays of J/ψ and $\gamma(1s)$. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2017, vol. 44, no. 4, 045004., Registrované v: WOS
9. [1.1] WANG, Zhen-Yang - QI, Jing-Juan - GUO, Xin-Heng - WANG, Chao. $X(3872)$ as a molecular $D(D)\overline{D}^*$ state in the Bethe-Salpeter equation approach. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 1, 016015., Registrované v: WOS

ADCA268 DUBNIČKA, Stanislav - DUBNIČKOVÁ, A.Z. - KAMIŇSKI, R. - LIPTAJ, Andrej. Pion scalar form factor with correct mass and width of scalar mesons $f(0)(500)$ and $f(0)(980)$. In *Physical Review D*, 2016, vol. 94, no. 5, art. no. 054036. (2015: 4.506 - IF, Q2 - JCR, 2.236 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.94.054036>

Ohlasy:

1. [1.1] NESTERENKO, A. Explicit form of the R-ratio of electron-positron annihilation into hadrons. In JOURNAL OF PHYSICS

G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2019, vol. 46, no. 11, 115006., Registrované v: WOS

2. [1.1] NESTERENKO, A. V. Electron-positron annihilation into hadrons at the higher-loop levels. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 12, 844., Registrované v: WOS

ADCA269 DUBNIČKA, Stanislav - DUBNIČKOVA, A.Z. - IVANOV, M.A. - KORNER, J.G. Quark model description of the tetraquark state X(3872) in a relativistic constituent quark model with infrared confinement. In *Physical Review D*, 2010, vol. 81, no. 11, 114007. (2009: 4.922 - IF, 2.792 - SJR, Q1 - SJR, Current Contents - CCC). (2010 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.81.114007>

Ohlasy:

1. [1.1] AGAEV, S. S. - AZIZI, K. - SUNDU, H. Open charm-bottom axial-vector tetraquarks and their properties. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 5, 321., Registrované v: WOS

2. [1.1] CINCIOGLU, E. - OZPINECI, A. Radiative decay of the X(3872) as a mixed molecule-charmonium state in effective field theory. In PHYSICS LETTERS B. ISSN 0370-2693, 2019, vol. 797, UNSP 134856., Registrované v: WOS

3. [1.1] DONG, Yubing - FAESSLER, Amand - GUTSCHE, Thomas - LU, Qifang - LYUBOVITSKIJ, Valery E. Selected strong decays of eta(2225) and phi(2170) as Lambda(Lambda)over-bar bound states. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 7, 074027., Registrované v: WOS

4. [1.1] DONG, Yubing - FAESSLER, Amand - LYUBOVITSKIJ, Valery E. Description of heavy exotic resonances as molecular states using phenomenological Lagrangians. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2017, vol. 94, pp. 282-310., Registrované v: WOS

5. [1.1] EL-BENNICH, Bruno - PARACHA, M. Ali - ROBERTS, Craig D. - ROJAS, Eduardo. Couplings between the rho and D and D* mesons. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 3, 034037., Registrované v: WOS

6. [1.1] ESAU, S. - PALAMETA, A. - KLEIV, R. T. - HARNETT, D. - STEELE, T. G. Axial vector cc and bb diquark masses from QCD Laplace sum rules. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 100, no. 7, 074025., Registrované v: WOS

7. [1.1] GIACOSA, Francesco - PIOTROWSKA, Milena - COITO, Susana. X(3872) as virtual companion pole of the charm-anticharm state chi(c1)(2P). In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2019, vol. 34, no. 29, 1950173., Registrované v: WOS

8. [1.1] GIBBS, W. R. - DEDONDER, Jean-Pierre. Isospin breaking from diquark clustering. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 96, no. 3, 034001., Registrované v: WOS

9. [1.1] GUTSCHE, Thomas - LYUBOVITSKIJ, Valery E. - SCHMIDT, Ivan. Tetraquarks in holographic QCD. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 3, 034030., Registrované v: WOS

10. [1.1] CHEN, Hua-Xing - CHEN, Wei - LIU, Xiang - ZHU, Shi-Lin. The hidden-charm pentaquark and tetraquark states. In PHYSICS

REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, 2016, vol. 639, pp. 1-121., Registrované v: WOS

11. [1.1] YU, Guo-Liang - WANG, Zhi-Gang - LI, Zhen-Yu. Analysis of the charmonium-like states $X^*(3860)$, $X(3872)$, $X(3915)$, $X(3930)$ and $X(3940)$ according to their strong decay behaviors. In CHINESE PHYSICS C. ISSN 1674-1137, 2018, vol. 42, no. 4, 043107., Registrované v: WOS

12. [1.1] YU, Guo-Liang - WANG, Zhi-Gang. Analysis of the $X(3842)$ as a D-wave charmonium meson. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2019, vol. 34, no. 26, 1950151., Registrované v: WOS

ADCA270 DUBNIČKA, Stanislav - DUBNIČKOVÁ, A. Z. - ISSADYKOV, A.** - IVANOV, M. A.** - LIPTAJ, Andrej**. Study of B_c decays into charmonia and D mesons. In *Physical Review D*, 2017, vol. 96, no. 7, art. no. 076017. (2016: 4.557 - IF, Q1 - JCR, 2.115 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.96.076017>

Ohlasy:

1. [1.2] DUTTA, Rupak. Predictions of $B \rightarrow (D, D^*)\tau$ vdecay observables in the standard model and beyond. In *Journal of Physics G: Nuclear and Particle Physics*. ISSN 09543899, 2019, vol. 46, no. 3, 035008., Registrované v: SCOPUS

2. [1.2] ZHU, Ruilin - HAN, Xin Ling - MA, Yan - XIAO, Zhen Jun. Weak decays of $B \rightarrow \text{two hadrons}$ under flavor SU(3) symmetry. In *European Physical Journal C*. ISSN 14346044, 2018-09-01, 78, 9, 740., Registrované v: SCOPUS

3. [1.2] ZHU, Ruilin - MA, Yan - HAN, Xin Ling - XIAO, Zhen Jun. Form factors for semileptonic B_c decays into η , η' and glueballs. In *Physical Review D*. ISSN 24700010, 2018-12-01, 98, 11, 114035., Registrované v: SCOPUS

ADCA271 DUBNIČKOVÁ, A.Z. - DUBNIČKA, Stanislav - BIAGINI, M.E. - CASTRO, A. The prediction of the behavior of Lambda-hyperon electromagnetic form-factors. In *Czechoslovak journal of physics*, 1991, vol. 41, no. 12, p. 1177-1188. (1991 - Current Contents). ISSN 0011-4626. Dostupné na: <https://doi.org/10.1007/BF01613538>

Ohlasy:

1. [1.1] FALDT, Goran. Entanglement in joint $\Lambda(\Lambda)\overline{\Lambda}$ decay. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2015, vol. 51, no. 7, 74., Registrované v: WOS

ADCA272 DUBNIČKOVÁ, A.Z. - DUBNIČKA, Stanislav - REKALO, M.P. Investigation of the baryon electromagnetic structure by polarization effects in $e^+e^- \rightarrow B(B)\overline{\Lambda}$ processes. In *Nuovo Cimento della Societa Italiana di Fisica A*, 1996, vol. 109, no. 3, p. 241-156. ISSN 0369-3546. Dostupné na: <https://doi.org/10.1007/BF02731012>

Ohlasy:

1. [1.1] ABLIKIM, M. - ACHASOV, M. N. - ADLARSON, P. - et al. Complete Measurement of the. Electromagnetic Form Factors. In PHYSICAL REVIEW LETTERS, 2019, vol. 123, no. 12, 122003., Registrované v: WOS

2. [1.1] ABLIKIM, M. - ACHASOV, M. N. - AHMED, S. - et al. Polarization and entanglement in baryon-antibaryon pair production in electron-positron annihilation. In NATURE PHYSICS, 2019, vol. 15, no. 7, pp. 631-+., Registrované v: WOS
3. [1.1] ADLARSON, P. - LI, C. Lambda hyperon spin polarization and CP tests at BESIII. In MESON 2018 15TH INTERNATIONAL WORKSHOP ON MESON PHYSICS. ISSN 2100-014X, 2019, vol. 199, UNSP 03009., Registrované v: WOS
4. [1.1] BIANCONI, Andrea - TOMASI-GUSTAFSSON, Egle. Soft rescattering in the timelike proton form factor within a spacetime scheme. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 5, 055204., Registrované v: WOS
5. [1.1] BIANCONI, A.- TOMASI-GUSTAFSSON, E. Periodic interference structures in the timelike proton form factor. In PHYSICAL REVIEW LETTERS, 2015, vol. 114, no. 23, 232301., Registrované v: WOS
6. [1.1] FALDT, Goran. Polarization observables in the $e^{(+)}e^{(-)} \rightarrow (\Lambda\bar{\Lambda})$ reaction. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2016, vol. 52, no. 5, 141., Registrované v: WOS
7. [1.1] GAKH, G. I. - KONCHATNIJ, M. I. - MERENKOV, N. P. - GAKH, A. G. POLARIZATION PHENOMENA IN PROCESS $e^{(+)}$. In EAST EUROPEAN JOURNAL OF PHYSICS. ISSN 2312-4334, 2018, vol. 5, no. 1, pp. 4-27., Registrované v: WOS
8. [1.1] LI, Hai-Bo - MA, Xin-Xin. Polarization difference between hyperons and antihyperons induced by an external magnetic field. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 100, no. 7, 076007., Registrované v: WOS
9. [1.1] PEROTTI, Elisabetta - FALDT, Goran - KUPSC, Andrzej - LEUPOLD, Stefan - SONG, Jiao Jiao. Polarization observables in $e^{(+)}e^{(-)}$ annihilation to a baryon-antibaryon pair. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 99, no. 5, 056008., Registrované v: WOS
10. [1.1] PUNJABI, V. et al. The structure of the nucleon. In EUROPEAN PHYSICAL JOURNAL A, 2015, vol. 51, no. 7, 79., Registrované v: WOS
11. [1.1] SCHONNING, Karin - LI, Cui. Future Perspectives on Baryon Form Factor Measurements with BES III. In XIITH QUARK CONFINEMENT AND THE HADRON SPECTRUM. ISSN 2100-014X, 2017, vol. 137, UNSP 12002., Registrované v: WOS
12. [1.1] SCHONNING, Karin. Strong Interaction Studies with PANDA at FAIR. In 19TH INTERNATIONAL SEMINAR ON HIGH ENERGY PHYSICS (QUARKS-2016). ISSN 2100-014X, 2016, vol. 125, UNSP 01006., Registrované v: WOS

ADCA273 DUBNIČKOVÁ, A.Z. - DUBNIČKA, Stanislav - GOUDZOVSKI, E. - PERVUSHIN, V.N. - SEČANSKÝ, Michal. Radiative kaon decay in the chiral perturbation theory. In *Particles and Nuclei Letters*, 2008, vol. 5, no. 2, p. 141-155.

Ohlasy:

1. [1.2] DEV, P. S. Bhupal - MOHAPATRA, Rabindra N. - ZHANG, Yongchao. Long lived light scalars as probe of low scale seesaw models. In Nuclear Physics B. ISSN 05503213, 2017, vol. 923, pp. 179-221., Registrované v: SCOPUS

2. [1.2] PORTOLÉS, Jorge. K $\rightarrow \pi \ell^{\text{sup}+/\text{sup}\ell^{\text{sup}-/\text{sup}}$: Status and update. In *Journal of Physics: Conference Series*. ISSN 17426588, 2017, vol. 800, no. 1, UNSP 012030., Registrované v: SCOPUS

ADCA274 DUCRET, J.-E. - LEGOU, P. - LUKASIK, J. - BOUDARD, A. - COMBET, M. - CZECH, B. - DURAND, R. - GORBINET, T. - LE BOURLOUT, P. - LERAY, M. - MATOUŠEK, Vladislav - NIZERY, F. - PAWLOWSKI, P. - SALSAC, M.-D. - YORDANOV, O. Heavy-ion test of detectors with conventional and resistive Micromegas used in TPC configuration. In *Nuclear Instruments and Methods in Physics Research A. Accelerators, Spectrometers, Detectors and Associated Equipment*, 2011, vol. 628, no. 1, p. 166-171. (2010: 1.142 - IF, Q2 - JCR, 0.894 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 0168-9002. Dostupné na: <https://doi.org/10.1016/j.nima.2010.06.309>

Ohlasy:

1. [1.1] ZHANG, A. - HOHLMANN, M. Accuracy of the geometric-mean method for determining spatial resolutions of tracking detectors in the presence of multiple Coulomb scattering. In *JOURNAL OF INSTRUMENTATION*. ISSN 1748-0221, 2016, vol. 11, P06012., Registrované v: WOS

ADCA275 DUHAJ, Pavol - ŠEBO, P. - ŠVEC, Peter - JANIČKOVIČ, Dušan. Development and characterisation of Ag-Cu-Ti brazes prepared with planar flow casting. In *Materials Science and Engineering A*, 1999, vol. 271, no. 1-2, p. 181-187. ISSN 0921-5093. Dostupné na: [https://doi.org/10.1016/s0921-5093\(99\)00275-0](https://doi.org/10.1016/s0921-5093(99)00275-0)

Ohlasy:

1. [1.1] WANG, Haiwei - YANG, Jinxia - MENG, Jie - YANG, Yanhong - ZHOU, Yizhou. Wettability and interfacial reactions of a low Hf-containing nickel-based superalloy on Al₂O₃-based, SiO₂-based, ZrSiO₄, and CoAl₂O₄ substrates. In *CERAMICS INTERNATIONAL*. ISSN 0272-8842, 2020, vol. 46, no. 14, pp. 22057-22066., Registrované v: WOS

ADCA276 DUHAJ, Pavol - ŠVEC, Peter. Formation of metastable phases from amorphous state. In *Materials Science and Engineering A*, 1997, vol. 226, p. 245-254. (1996: 0.852 - IF, Current Contents - CCC). (1997 - Current Contents, WOS, SCOPUS). ISSN 0921-5093.

Ohlasy:

1. [1.1] WANG, F. R. - ZHANG, H. P. - LI, F. X. - LI, M. Z. Anomalous short-to-medium-range structural characteristics of P in Pd₄₃Ni₄₃P₁₄ and Pd₄₀Ni₄₀P₂₀ glass-forming liquids. In *JOURNAL OF ALLOYS AND COMPOUNDS*. ISSN 0925-8388, 2020, vol. 823, 153101., Registrované v: WOS

2. [1.1] YU, Q. - WANG, X. D. - LOU, H. B. - CAO, Q. P. - JIANG, J. Z. Atomic packing in Fe-based metallic glasses. In *ACTA MATERIALIA*. ISSN 1359-6454, 2016, vol. 102, pp. 116-124., Registrované v: WOS

3. [1.1] ZHOU, S. H. - HUO, Y. - NAPOLITANO, Ralph E. Phase Stability for the Pd-Si System: First-Principles, Experiments, and Solution-Based Modeling. In *METALLURGICAL AND MATERIALS TRANSACTIONS*

ADCA277 DUHAJ, Pavol - MAŤKO, Igor - ŠVEC, Peter - SITEK, J. - JANIČKOVIČ, Dušan. Structural investigation of Fe(Cu)ZrB amorphous alloy. In *Materials Science and Engineering B*, 1996, vol. 39, no. 3, p. 208-215. ISSN 1921-5107. Dostupné na: [https://doi.org/10.1016/0921-5107\(96\)01573-5](https://doi.org/10.1016/0921-5107(96)01573-5)

Ohlasy:

1. [1.1] SORESCU, Monica - LIMONGELLI, Julia - STROH, Christopher - et al. Crystallization Behavior and Recoilless Fraction Determination of Amorphous and Nanocrystalline Fe₅₆Co₂₄Nb₄B₁₃Si₂Cu₁ System. In *MRS ADVANCES*. ISSN 2059-8521, 2017, vol. 2, no. 27, pp. 1435-1440., Registrované v: WOS

ADCA278 DUHAJ, Pavol - ŠVEC, Peter - JANIČKOVIČ, Dušan - MAŤKO, Igor - HLÁŠNIK, M. Structure and magnetic properties of the Finemet alloy Fe₇₃Cu₁Nb₃Si_{13.5}B_{9.5}. In *Materials Science and Engineering B - Solid-State Materials for Advanced Technology*, 1992, vol. 14, no. 4, p. 357-364. (1991: 0.620 - IF, Current Contents - CCC). (1992 - Current Contents). ISSN 0921-5107. Dostupné na: [https://doi.org/10.1016/0921-5107\(92\)90075-K](https://doi.org/10.1016/0921-5107(92)90075-K)

Ohlasy:

1. [1.1] GOEMOERY, F. - SOLOVYOV, M. - SOUC, J. Magnetization loop modelling for superconducting/ferromagnetic tube of an ac magnetic cloak. In *SUPERCONDUCTOR SCIENCE & TECHNOLOGY*. ISSN 0953-2048, 2015, vol. 28, no. 4, 044001., Registrované v: WOS

2. [1.1] MIKHALITSYNA, Evgeniya A. - KATAEV, Vasiliy A. - LARRANAGA, Aitor - LEPALOVSKIY, Vladimir N. - KURLYANDSKAYA, Galina V. Nanocrystallization in FINEMET-Type Fe_{73.5}Nb₃Cu₁Si_{13.5}B₉ and Fe_{72.5}Nb_{1.5}Mo₂Cu_{1.1}Si_{14.2}B_{8.7} Thin Films. In *MATERIALS*, 2020, vol. 13, no. 2, 348., Registrované v: WOS

3. [1.1] SOLOVYOV, Mykola - SOUC, Jan - GOEMOERY, Fedor. Magnetic Cloak for Low Frequency AC Magnetic Field. In *IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY*. ISSN 1051-8223, 2015, vol. 25, no. 3, 8800705., Registrované v: WOS

4. [1.1] SOLOVYOV, M. In *IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY*, 2016, vol. 26, 0501206., Registrované v: WOS

5. [1.1] SURLA, Radoslav - MITROVIC, Nebojga - VASIC, Milica - MINIC, Dragica. The Inverted Hysteresis Loops and Exchange Bias Effects in Amorphous/Nanocrystalline Fe₇₂Cu₁V₄Si₁₅B₈ Ribbons at Room Temperature. In *SCIENCE OF SINTERING*. ISSN 0350-820X, 2020, vol. 52, no. 3, pp. 283-298., Registrované v: WOS

ADCA279 DUHAJ, Pavol - BARANCOK, D. - ONDREJKA, A. Study of transformation kinetics of amorphous PD-SI alloys. In *Journal of Non-Crystalline Solids*, 1976, vol. 21, no. 3, p. 411-428. ISSN 0022-3093.

Ohlasy:

1. [1.1] KUMAR, Ajit - SEN RAM, Indra - KUMAR, Sunil - RAM, Jagiwan - UPADHYAY, A. N. - SINGH, Kedar. Glass-forming ability and thermal stability of Se_{100-x}(Ge₂Sb₂Te₅)_(x) glassy alloys. In *JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY*. ISSN 1388-6150, 2018, vol.

134, no. 2, pp. 923-931., Registrované v: WOS

2. [1.1] LI, F. C. - LIU, T. - ZHANG, J. Y. - SHUANG, S. - WANG, Q. - WANG, A. D. - WANG, J. G. - YANG, Y. Amorphous-nanocrystalline alloys: fabrication, properties, and applications. In *MATERIALS TODAY ADVANCES*. ISSN 2590-0498, 2019, vol. 4., Registrované v: WOS

3. [1.1] TIAN, Yuan - JIAO, Wei - LIU, Pan - SONG, Shuangxi - LU, Zhen - HIRATA, Akihiko - CHEN, Mingwei. Fast coalescence of metallic glass nanoparticles. In *NATURE COMMUNICATIONS*. ISSN 2041-1723, 2019, vol. 10, 5249., Registrované v: WOS

ADCA280 DUHAJ, Pavol - ŠVEC, Peter - MAJKOVÁ, Eva - BOHÁČ, Vlastimil - MAŤKO, Igor. The study of phase-transitions in amorphous bilayers prepared by rapid quenching. In *Materials Science and Engineering A*, 1991, vol. 133, p. 662-666. (1991 - Current Contents, SCOPUS). ISSN 0921-5093. Dostupné na: [https://doi.org/10.1016/0921-5093\(91\)90157-I](https://doi.org/10.1016/0921-5093(91)90157-I)

Ohlasy:

1. [1.1] PANDA, A. K. - DEY, Sushmita - ROY, R. K. - SINGH, Satnam - MITRA, A. Influence of phase transformation on interfacial activity and bend sensitivity of rapidly quenched Fe_{77.5}Si_{7.5}B₁₅/Co_{72.5}Si_{12.5}B₁₅ bilayered magnetostrictive ribbons. In *JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS*. ISSN 0304-8853, 2015, vol. 378, pp. 440-446., Registrované v: WOS

2. [1.1] ZIVOTSKY, O. - TITOV, A. - JIRASKOVA, Y. - BURSİK, J. - HENDRYCH, A. - HRABOVSKA, K. - TSEPELEV, V. S. Surface and bulk magnetic anisotropy in bilayered CoSiB/FeNbCuSiB and FeNbSiB/FeSiB ribbons. In *JOURNAL OF ALLOYS AND COMPOUNDS*. ISSN 0925-8388, 2016, vol. 681, pp. 402-411., Registrované v: WOS

ADCA281 DUHAJ, Pavol - ŠVEC, Peter - SITEK, J. - JANIČKOVIČ, Dušan. Thermodynamic, kinetic and structural aspects of the formation of nanocrystalline phases in Fe_{73.5-x}Ni_xCu₁Nb₃Si_{13.5}B₉ alloys. In *Materials Science and Engineering A*, 2001, vol. 304, p. 178-186. (2000: 0.897 - IF, Current Contents - CCC). (2001 - Current Contents, WOS, SCOPUS). ISSN 0921-5093. Dostupné na: [https://doi.org/10.1016/S0921-5093\(00\)01461-1](https://doi.org/10.1016/S0921-5093(00)01461-1)

Ohlasy:

1. [1.1] BRZOZKA, K. - SOVAK, P. - SZUMIATA, T. - GAWRONSKI, M. - GORKA, B. Hyperfine magnetic fields in substituted Finemet alloys. In *HYPERFINE INTERACTIONS*. ISSN 0304-3843, 2016, vol. 237, 83., Registrované v: WOS

2. [1.1] KATAEV, V. A. - STARODUBTSEV, Y. N. - MIKHALITSYNA, E. A. - et al. Magnetic properties and induced anisotropy of nanocrystalline Fe_{72.5-x}Ni_xCu_{1.1}Nb_{1.9}Mo_{1.5}Si_{14.3}B_{8.7} alloys. In *PHYSICS OF METALS AND METALLOGRAPHY*. ISSN 0031-918X, 2017, vol. 118, no. 6, pp. 558-563., Registrované v: WOS

3. [1.1] LUKSHINA, V. A. - DMITRIEVA, N. V. - VOLKOVA, E. G. - SHISHKIN, D. A. Structure of the Fe_{63.5}Ni₁₀Cu₁Nb₃Si_{13.5}B₉ Alloy Nanocrystallized in the Presence of Tensile Stresses. In *PHYSICS OF METALS AND METALLOGRAPHY*. ISSN 0031-918X, 2019, vol. 120, no. 12, pp. 1145-1151., Registrované v: WOS

4. [1.1] LUKSHINA, V. A. - DMITRIEVA, N. V. - VOLKOVA, E. G. -

SHISHKIN, D. A. Magnetic Properties of the Fe_{63.5}Ni₁₀Cu₁Nb₃Si_{13.5}B₉ Alloy Nanocrystallized in the Presence of Tensile Stresses. In PHYSICS OF METALS AND METALLOGRAPHY. ISSN 0031-918X, 2019, vol. 120, no. 4, pp. 320-324., Registrované v: WOS

5. [1.1] SORESCU, Monica - LIMONGELLI, Julia - STROH, Christopher - et al. Crystallization Behavior and Recoilless Fraction Determination of Amorphous and Nanocrystalline Fe₅₆Co₂₄Nb₄B₁₃Si₂Cu₁ System. In MRS ADVANCES. ISSN 2059-8521, 2017, vol. 2, no. 27, pp. 1435-1440., Registrované v: WOS

ADCA282 DULANSKÁ, Silvia** - ŠTOFANÍKOVÁ, Michaela - MÁTEL, Ľubomír - NOVÁK, Ivan - ŠAUŠA, Ondrej - MATKO, Igor - ZVACHOVÁ, Sabína. Preparation and characterization of MnO₂- SiO₂ composite resin for Ra-226 pre-concentration in water samples. In *Applied Radiation and Isotopes*, 2018, vol. 140, p. 96 -101. (2017: 1.123 - IF, Q3 - JCR, 0.528 - SJR, Q2 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 0969-8043. Dostupné na: <https://doi.org/10.1016/j.apradiso.2018.06.019>

Ohlasy:

1. [1.1] JESKOVSKY, Miroslav - KAIZER, Jakub - KONTUL', Ivan - LUJANIENE, Galina - MULLEROVA, Monika - POVINEC, Pavel P. Analysis of environmental radionuclides. In HANDBOOK OF RADIOACTIVITY ANALYSIS, VOL 2: RADIOANALYTICAL APPLICATIONS, 4TH EDITION, 2020, pp. 137-261., Registrované v: WOS

2. [1.1] RODRIGUEZ-MAESE, Rogelio - FERRER, Laura - LEAL, Luz O. Automatic multicommutated flow systems applied in sample treatment for radionuclide determination in biological and environmental analysis. In JOURNAL OF ENVIRONMENTAL RADIOACTIVITY. ISSN 0265-931X, 2020, vol. 223, 106390., Registrované v: WOS

ADCA283 DUSZA, Ján - ŠVEC, Peter Jr. - GIRMAN, Vladimír - SEDLÁK, Richard** - CASTLE, Elinor - CSANÁDI, Tamás - KOVALČÍKOVÁ, Alexandra - REECE, Michael J. Microstructure of (Hf-Ta-Zr-Nb)C high-entropy carbide at micro and nano/atomic level. In *Journal of the European Ceramic Society*, 2018, vol. 38, no. 12, p. 4303-4307. (2017: 3.794 - IF, Q1 - JCR, 1.068 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 0955-2219. Dostupné na: <https://doi.org/10.1016/j.jeurceramsoc.2018.05.006>

Ohlasy:

1. [1.1] BHASKAR, Lalith K. - NALLATHAMBI, Varatharaja - KUMAR, Ravi. Critical role of cationic local stresses on the stabilization of entropy-stabilized transition metal oxides. In JOURNAL OF THE AMERICAN CERAMIC SOCIETY. ISSN 0002-7820, 2020, vol. 103, no. 5, pp. 3416-3424., Registrované v: WOS

2. [1.1] DAIGLE, S. E. - BRENNER, D. W. Statistical approach to obtaining vacancy formation energies in high-entropy crystals from first principles calculations: Application to a high-entropy diboride. In PHYSICAL REVIEW MATERIALS. ISSN 2475-9953, 2020, vol. 4, no. 12, 123602., Registrované v: WOS

3. [1.1] DU, Bin - HE, Chao - QIAN, Junjie - HU, Ping - WANG, Xuan - CAI, Mei - SHUI, Anze. Fabrication of high-purity HfSi₂ powder via molten salt-assisted magnesium thermal reduction. In INTERNATIONAL JOURNAL

OF APPLIED CERAMIC TECHNOLOGY. ISSN 1546-542X, 2020, vol. 17, no. 4, pp. 1785-1789., Registrované v: WOS

4. [1.1] FAILLA, Simone - GALIZIA, Pietro - FU, Shuai - GRASSO, Salvatore - SCITI, Diletta. Formation of high entropy metal diborides using arc-melting and combinatorial approach to study quinary and quaternary solid solutions. In JOURNAL OF THE EUROPEAN CERAMIC SOCIETY. ISSN 0955-2219, 2020, vol. 40, no. 3, pp. 588-593., Registrované v: WOS

5. [1.1] FENG, Lun - FAHRENHOLTZ, William G. - HILMAS, Gregory E. - ZHOU, Yue. Synthesis of single-phase high-entropy carbide powders. In SCRIPTA MATERIALIA. ISSN 1359-6462, 2019, vol. 162, pp. 90-93., Registrované v: WOS

6. [1.1] GEORGE, Easo P. - RAABE, Dierk - RITCHIE, Robert O. High-entropy alloys. In NATURE REVIEWS MATERIALS. ISSN 2058-8437, 2019, vol. 4, no. 8, pp. 515-534., Registrované v: WOS

7. [1.1] GILD, Joshua - BRAUN, Jeffrey - KAUFMANN, Kevin - MARIN, Eduardo - HARRINGTON, Tyler - HOPKINS, Patrick - VECCHIO, Kenneth - LUO, Jian. A high-entropy silicide: $(\text{Mo}_{0.2}\text{Nb}_{0.2}\text{Ta}_{0.2}\text{Ti}_{0.2}\text{W}_{0.2})\text{Si}_{-2}$. In JOURNAL OF MATERIONICS. ISSN 2352-8478, 2019, vol. 5, no. 3, pp. 337-343., Registrované v: WOS

8. [1.1] GU, Junfeng - ZOU, Ji - SUN, Shi-Kuan - WANG, Hao - YU, Su-Yang - ZHANG, Jinyong - WANG, Weimin - FU, Zhengyi. Dense and pure high-entropy metal diboride ceramics sintered from self-synthesized powders via boro/carbothermal reduction approach. In SCIENCE CHINA-MATERIALS. ISSN 2095-8226, 2019, vol. 62, no. 12, pp. 1898-1909., Registrované v: WOS

9. [1.1] HARRINGTON, Tyler J. - GILD, Joshua - SARKER, Pranab - TOHER, Cormac - ROST, Christina M. - DIPPO, Olivia F. - MCELFFRESH, Cameron - KAUFMANN, Kevin - MARIN, Eduardo - BOROWSKI, Lucas - HOPKINS, Patrick E. - LUO, Jian - CURTAROLO, Stefano - BRENNER, Donald W. - VECCHIO, Kenneth S. Phase stability and mechanical properties of novel high entropy transition metal carbides. In ACTA MATERIALIA. ISSN 1359-6454, 2019, vol. 166, pp. 271-280., Registrované v: WOS

10. [1.1] HE, Yu - PENG, Chong - XIN, Shengwei - LI, Kenan - LIANG, Shuju - LU, Xiaoqian - KANG, Ning - XUE, Hengxu - SHEN, Xun - SHEN, Tongde - WANG, Mingzhi. Vacancy effect on the preparation of high-entropy carbides. In JOURNAL OF MATERIALS SCIENCE. ISSN 0022-2461, 2020, vol. 55, no. 16, pp. 6754-6760., Registrované v: WOS

11. [1.1] CHEN LEI - WANG KAI - SU WENTAO - ZHANG WEN - XU CHENGUANG - WANG YUJIN - ZHOU YU. Research Progress of Transition Metal Non-oxide High-entropy Ceramics. In JOURNAL OF INORGANIC MATERIALS. ISSN 1000-324X, 2020, vol. 35, no. 7, pp. 748-758., Registrované v: WOS

12. [1.1] JIANG, Shan - SHAO, Lin - FAN, Tou-Wen - DUAN, Jia-Ming - CHEN, Xiao-Tao - TANG, Bi-Yu. Elastic and thermodynamic properties of high entropy carbide $(\text{HfTaZrTi})\text{C}$ and $(\text{HfTaZrNb})\text{C}$ from ab initio investigation. In CERAMICS INTERNATIONAL. ISSN 0272-8842, 2020, vol. 46, no. 10, pp. 15104-15112., Registrované v: WOS

13. [1.1] LIU, Diqiang - ZHANG, Aijun - JIA, Jiangang - MENG, Junhu - SU, Bo. Phase evolution and properties of $(\text{VNbTaMoW})\text{C}$ high entropy carbide prepared by reaction synthesis. In JOURNAL OF THE EUROPEAN CERAMIC SOCIETY. ISSN 0955-2219, 2020, vol. 40, no. 8, pp. 2746-2751.,

Registrované v: WOS

14. [1.1] LIU, Junbo - XIONG, Ji - GUO, Zhixing - ZHOU, Honglin - YANG, Tian'en - YANG, Lu - ZHAO, Wu. Preparation of High-Entropy (Zr_{0.25}Hf_{0.25}Ta_{0.25}Ti_{0.25})C-Ni-Co Composite by Spark Plasma Sintering. In METALLURGICAL AND MATERIALS TRANSACTIONS A-PHYSICAL METALLURGY AND MATERIALS SCIENCE. ISSN 1073-5623, 2020, vol. 51, no. 12, pp. 6706-6713., Registrované v: WOS
15. [1.1] LIU, J. - SHAO, G. - LIU, D. - CHEN, K. - WANG, K. - MA, B. - REN, K. - WANG, Y. Design and synthesis of chemically complex ceramics from the perspective of entropy. In MATERIALS TODAY ADVANCES. ISSN 2590-0498, 2020, vol. 8, 100114., Registrované v: WOS
16. [1.1] LUN, Huilin - ZENG, Yi - XIONG, Xiang - YE, Ziming - QIAN, Tianxiao - SUN, Wei - WANG, Yalei - CHEN, Zhaoke. Synthesis of carbide solid solution with multiple components using elemental powder. In ADVANCED POWDER TECHNOLOGY. ISSN 0921-8831, 2020, vol. 31, no. 2, pp. 505-509., Registrované v: WOS
17. [1.1] MA, Peiyan - ZHAO, Mingming - ZHANG, Long - WANG, Heng - GU, Junfeng - SUN, Yuchen - JI, Wei - FU, Zhengyi. Self- supported high-entropy alloy electrocatalyst for highly efficient H₂ evolution in acid condition. In JOURNAL OF MATERIMICS. ISSN 2352-8478, 2020, vol. 6, no. 4, pp. 736-742., Registrované v: WOS
18. [1.1] MA, Yimo - LIU, Xingshuo - DONG, Wanqing - LI, Rui - ZHANG, Yifei - LU, Ye - YU, Pengfei - LI, Gong. Interstitial carbide synergistically strengthening high-entropy alloy CoCrFeNiV_{0.5}Cx. In MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING. ISSN 0921-5093, 2020, vol. 792, 139802., Registrované v: WOS
19. [1.1] MOSKOVSKI KH, D. O. - VOROTILO, S. - SEDEGOV, A. S. - KUSKOV, K. - BARDASOVA, K. - KIRYUKHANTSEV-KORNEEV, Ph - ZHUKOVSKIY, M. - MUKASYAN, A. S. High-entropy (HfTaTiNbZr)C and (HfTaTiNbMo)C carbides fabricated through reactive high-energy ball milling and spark plasma sintering. In CERAMICS INTERNATIONAL. ISSN 0272-8842, 2020, vol. 46, no. 11, pp. 19008-19014., Registrované v: WOS
20. [1.1] MUKASYAN, A. S. - MOSKOVSKI KH, D. O. - NEPAPUSHEV, A. A. - PAULS, J. M. - ROSLYAKOV, S. Ceramics from self-sustained reactions: Recent advances. In JOURNAL OF THE EUROPEAN CERAMIC SOCIETY. ISSN 0955-2219, 2020, vol. 40, no. 7, pp. 2512-2526., Registrované v: WOS
21. [1.1] NESMELOV, D. D. - SHABALKIN, I. D. - LYSENKOV, A. S. - ORDAN'YAN, S. S. Physical and Mechanical Properties of Hot-Pressed Materials of the ZrB₂-TaC-SiC System. In REFRACTORIES AND INDUSTRIAL CERAMICS. ISSN 1083-4877, 2019, vol. 59, no. 5, pp. 514-521., Registrované v: WOS
22. [1.1] NISAR, Ambreen - ZHANG, Cheng - BOESL, Benjamin - AGARWAL, Arvind. A perspective on challenges and opportunities in developing high entropy-ultra high temperature ceramics. In CERAMICS INTERNATIONAL. ISSN 0272-8842, 2020, vol. 46, no. 16, pp. 25845-25853., Registrované v: WOS
23. [1.1] PENG, Chong - TANG, Hu - HE, Yu - LU, Xiaoqian - JIA, Peng - LIU, Guoying - ZHAO, Yucheng - WANG, Mingzhi. A novel

- non-stoichiometric medium-entropy carbide stabilized by anion vacancies. In JOURNAL OF MATERIALS SCIENCE & TECHNOLOGY. ISSN 1005-0302, 2020, vol. 51, pp. 161-166., Registrované v: WOS
24. [1.1] PITIKE, Krishna Chaitanya - SANTOSH, K. C. - EISENBACH, Markus - BRIDGES, Craig A. - COOPER, Valentino R. Predicting the Phase Stability of Multicomponent High-Entropy Compounds. In CHEMISTRY OF MATERIALS. ISSN 0897-4756, 2020, vol. 32, no. 17, pp. 7507-7515., Registrované v: WOS
25. [1.1] PITIKE, Krishna Chaitanya - MARQUEZ-ROSSY, Andres E. - FLORES-BETANCOURT, Alexis - CHEN, De Xin - SANTOSH, K. C. - COOPER, Valentino R. - LARA-CURZIO, Edgar. On the elastic anisotropy of the entropy-stabilized oxide (Mg, Co, Ni, Cu, Zn)O compound. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2020, vol. 128, no. 1, 015101., Registrované v: WOS
26. [1.1] ROGACHEV, A. S. Structure, Stability, and Properties of High-Entropy Alloys. In PHYSICS OF METALS AND METALLOGRAPHY. ISSN 0031-918X, 2020, vol. 121, no. 8, pp. 733-764., Registrované v: WOS
27. [1.1] SAN, Saro - CHING, Wai-Yim. Subtle Variations of the Electronic Structure and Mechanical Properties of High Entropy Alloys With 50% Carbon Composites. In FRONTIERS IN MATERIALS. ISSN 2296-8016, 2020, vol. 7, 575262., Registrované v: WOS
28. [1.1] SARKER, Pranab - HARRINGTON, Tyler - TOHER, Cormac - OSES, Corey - SAMIEE, Mojtaba - MARIA, Jon-Paul - BRENNER, Donald W. - VECCHIO, Kenneth S. - CURTAROLO, Stefano. High-entropy high-hardness metal carbides discovered by entropy descriptors. In NATURE COMMUNICATIONS. ISSN 2041-1723, 2018, vol. 9, no., pp., Registrované v: WOS
29. [1.1] SURE, Jagadeesh - SRI MAHA VISHNU, D. - KIM, Hyun-Kyung - SCHWANDT, Carsten. Facile Electrochemical Synthesis of Nanoscale (TiNbTaZrHf)C High-Entropy Carbide Powder. In ANGEWANDTE CHEMIE-INTERNATIONAL EDITION. ISSN 1433-7851, 2020, vol. 59, no. 29, pp. 11830-11835., Registrované v: WOS
30. [1.1] TALLARITA, Giovanna - LICHERI, Roberta - GARRONI, Sebastiano - ORRU, Roberto - CAO, Giacomo. Novel processing route for the fabrication of bulk high-entropy metal diborides. In SCRIPTA MATERIALIA. ISSN 1359-6462, 2019, vol. 158, pp. 100-104., Registrované v: WOS
31. [1.1] TALLARITA, Giovanna - LICHERI, Roberta - GARRONI, Sebastiano - BARBAROSSA, Simone - ORRU, Roberto - CAO, Giacomo. High-entropy transition metal diborides by reactive and non-reactive spark plasma sintering: A comparative investigation. In JOURNAL OF THE EUROPEAN CERAMIC SOCIETY. ISSN 0955-2219, 2020, vol. 40, no. 4, pp. 942-952., Registrované v: WOS
32. [1.1] TAN, Yongqiang - CHEN, Chen - LI, Sigong - HAN, Xiaochun - XUE, Jiaxiang - LIU, Tong - ZHOU, Xiaosong - ZHANG, Haibin. Oxidation behaviours of high-entropy transition metal carbides in 1200 degrees C water vapor. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2020, vol. 816, 152523., Registrované v: WOS
33. [1.1] WANG, Haoxuan - CAO, Yejie - LIU, Wen - WANG, Yiguang. Oxidation behavior of (Hf_{0.2}Ta_{0.2}Zr_{0.2}Ti_{0.2}Nb_{0.2})C-xSiC ceramics at high temperature. In CERAMICS INTERNATIONAL. ISSN 0272-8842, 2020, vol.

- 46, no. 8, pp. 11160-11168., Registrované v: WOS
34. [1.1] WANG, Kai - CHEN, Lei - XU, Chenguang - ZHANG, Wen - LIU, Zhanguo - WANG, Yujin - OUYANG, Jiahu - ZHANG, Xinghong - FU, Yudong - ZHOU, Yu. Microstructure and mechanical properties of (TiZrNbTaMo)C high-entropy ceramic. In JOURNAL OF MATERIALS SCIENCE & TECHNOLOGY. ISSN 1005-0302, 2020, vol. 39, pp. 99-105., Registrované v: WOS
35. [1.1] WEI, Xiao-Feng - LIU, Ji-Xuan - LI, Fei - QIN, Yuan - LIANG, Yong-Cheng - ZHANG, Guo-Jun. High entropy carbide ceramics from different starting materials. In JOURNAL OF THE EUROPEAN CERAMIC SOCIETY. ISSN 0955-2219, 2019, vol. 39, no. 10, pp. 2989-2994., Registrované v: WOS
36. [1.1] WRIGHT, Andrew J. - LUO, Jian. A step forward from high-entropy ceramics to compositionally complex ceramics: a new perspective. In JOURNAL OF MATERIALS SCIENCE. ISSN 0022-2461, 2020, vol. 55, no. 23, pp. 9812-9827., Registrované v: WOS
37. [1.1] YANG, Yan - MA, Li - GAN, Guo-Yong - WANG, Wei - TANG, Bi-Yu. Investigation of thermodynamic properties of high entropy (TaNbHfTiZr)C and (TaNbHfTiZr)N. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2019, vol. 788, pp. 1076-1083., Registrované v: WOS
38. [1.1] YE, Beilin - WEN, Tongqi - MANH CUONG NGUYEN - HAO, Luyao - WANG, Cai-Zhuang - CHU, Yanhui. First-principles study, fabrication and characterization of (Zr_{0.25}Nb_{0.25}Ti_{0.25}V_{0.25})C high-entropy ceramics. In ACTA MATERIALIA. ISSN 1359-6454, 2019, vol. 170, no., pp. 15-23., Registrované v: WOS
39. [1.1] YE, Beilin - WEN, Tongqi - CHU, Yanhui. High-temperature oxidation behavior of (Hf_{0.2}Zr_{0.2}Ta_{0.2}Nb_{0.2}Ti_{0.2})C high-entropy ceramics in air. In JOURNAL OF THE AMERICAN CERAMIC SOCIETY. ISSN 0002-7820, 2020, vol. 103, no. 1, pp. 500-507., Registrované v: WOS
40. [1.1] YU, Duo - YIN, Jie - ZHANG, Buhao - LIU, Xuejian - HUANG, Zhengren. Recent development of high-entropy transitional carbides: a review. In JOURNAL OF THE CERAMIC SOCIETY OF JAPAN. ISSN 1882-0743, 2020, vol. 128, no. 7, pp. 329-335., Registrované v: WOS
41. [1.1] ZHANG, Hanzhu - AKHTAR, Farid. Processing and Characterization of Refractory Quaternary and Quinary High-Entropy Carbide Composite. In ENTROPY. ISSN 1099-4300, 2019, vol. 21, no. 5, 474., Registrované v: WOS
42. [1.1] ZHANG, Hanzhu - AKHTAR, Farid. Effect of SiC on Microstructure, Phase Evolution, and Mechanical Properties of Spark-Plasma-Sintered High-Entropy Ceramic Composite. In CERAMICS-SWITZERLAND. ISSN 2571-6131, 2020, vol. 3, no. 3, pp. 359-371. Dostupné na: <https://doi.org/10.3390/ceramics3030032>., Registrované v: WOS
43. [1.1] ZHANG, Zhen - FU, Shuai - AVERSANO, Francesco - BORTOLOTTI, Mauro - ZHANG, Haiwen - HU, Chunfeng - GRASSO, Salvatore. Arc melting: a novel method to prepare homogeneous solid solutions of transition metal carbides (Zr, Ta, Hf). In CERAMICS INTERNATIONAL. ISSN 0272-8842, 2019, vol. 45, no. 7, pp. 9316-9319., Registrované v: WOS
44. [1.1] ZHAO, Pengbo - ZHU, Jinpeng - ZHANG, Yilin - SHAO, Gang - WANG, Hailong - LI, Mingliang - LIU, Wen - FAN, Bingbing - XU,

Hongliang - LU, Hongxia - ZHOU, Yanchun - ZHANG, Rui. A novel high-entropy monoboride (Mo_{0.2}Ta_{0.2}Ni_{0.2}Cr_{0.2}W_{0.2})B with superhardness and low thermal conductivity. In CERAMICS INTERNATIONAL. ISSN 0272-8842, 2020, vol. 46, no. 17, pp. 26626-26631., Registrované v: WOS 45. [1.1] ZHAO, Qinglong - MEI, Jie - JIN, Wei - JIANG, Qichuan. A novel approach to the rapid synthesis of high-entropy carbide nanoparticles. In JOURNAL OF THE AMERICAN CERAMIC SOCIETY. ISSN 0002-7820, 2020, vol. 103, no. 9, pp. 4733-4737, Registrované v: WOS 46. [1.1] ZHONG, Yu - SABAROU, Hooman - YAN, Xiaotian - YANG, Mei - GAO, Michael C. - LIU, Xingbo - SISSON, Richard D. Exploration of high entropy ceramics (HECs) with computational thermodynamics A case study with LaMnO₃ +/-delta. In MATERIALS & DESIGN. ISSN 0264-1275, 2019, vol. 182, UNSP 108060., Registrované v: WOS 47. [1.2] DAKUN, W. - BURLACHENKO, A. G. - MIROVOY, Y. A. - BUYAKOV, A. S. - DEDOVA, E. S. - BUYAKOVA, S. P. Structure formation of high entropy ceramic materials based on carbides. In AIP Conference Proceedings. ISSN 0094243X, 2020, vol. 2310, 020066., Registrované v: SCOPUS

ADCA284 DUŠEK, M. - BUŽEK, Vladimír. Quantum-controlled measurement device for quantum-state discrimination. In *Physical Review A*, 2002, vol. 66, no. 2, 022112. ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.66.022112>

Ohlasy:

1. [1.1] HEINOSAARI, Teiko - TUKIAINEN, Mikko. Notes on deterministic programming of quantum observables and channels. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2015, vol. 14, no. 8, pp. 3097., Registrované v: WOS
2. [1.1] HEINOSAARI, Teiko - MIYADERA, Takayuki - TUKIAINEN, Mikko. Limitations on post-processing assisted quantum programming. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2017, vol. 16, no. 3, UNSP 85., Registrované v: WOS
3. [1.1] CHABAUD, Ulysse - DIAMANTI, Eleni - MARKHAM, Damian - KASHEFI, Elham - JOUX, Antoine. Optimal quantum-programmable projective measurement with linear optics. In PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 98, no. 6, 062318., Registrované v: WOS
4. [1.1] CHEN, LiBing - LU, Hong. A Shared and Programmable Maximum-Confident Discrimination among Linearly Dependent Symmetric Qubit States. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2015, vol. 54, no. 6, pp. 1948., Registrované v: WOS
5. [1.1] ISLAM, Nurul T. - LIM, Charles Ci Wen - CAHALL, Clinton - QI, Bing - KIM, Jungsang - GAUTHIER, Daniel J. Scalable high-rate, high-dimensional time-bin encoding quantum key distribution. In QUANTUM SCIENCE AND TECHNOLOGY. ISSN 2058-9565, 2019, vol. 4, no. 3, 035008., Registrované v: WOS
6. [1.1] JAFARIZADEH, M. A. - MAHMOUDI, P. - AKHGAR, D. - FAIZI, E. Designing an optimal, universal, programmable, and unambiguous discriminator for N unknown qubits. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 96, no. 5, 052111., Registrované v: WOS
7. [1.1] KUBICKI, Aleksander M. - PALAZUELOS, Carlos - PEREZ-GARCIA, David. Resource Quantification for the No-Programming

Theorem. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 122, no. 8, 080505., Registrované v: WOS

8. [1.1] LUIS, Alfredo - MARTIN BOSYK, Gustavo - PORTESI, Mariela. Entropic measures of joint uncertainty: Effects of lack of majorization. In PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS. ISSN 0378-4371, 2016, vol. 444, no., pp. 905-913., Registrované v: WOS

9. [1.1] MARVIAN, Iman - SPEKKENS, Robert W. No-Broadcasting Theorem for Quantum Asymmetry and Coherence and a Trade-off Relation for Approximate Broadcasting. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 123, no. 2, 020404., Registrované v: WOS

10. [1.1] SEDLAK, Michal - BISIO, Alessandro - ZIMAN, Mario. Optimal Probabilistic Storage and Retrieval of Unitary Channels. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 122, no. 17, 170502., Registrované v: WOS

11. [1.1] SEDLAK, Michal - ZIMAN, Mario. Probabilistic storage and retrieval of qubit phase gates. In PHYSICAL REVIEW A. ISSN 2469-9926, 2020, vol. 102, no. 3, 032618., Registrované v: WOS

12. [1.1] YANG, Seungho - LEE, Jinhyoung - JEONG, Hyunseok. Entropic Lower Bound for Distinguishability of Quantum States. In ADVANCES IN MATHEMATICAL PHYSICS. ISSN 1687-9120, 2015, 683658., Registrované v: WOS

13. [1.1] YORDANOV, Yordan S. - BARNES, Crispin H. W. Implementation of a general single-qubit positive operator-valued measure on a circuit-based quantum computer. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 6, 062317., Registrované v: WOS

14. [1.1] ZHU, Gaoyan - KALMAN, Orsolya - WANG, Kunkun - XIAO, Lei - QU, Dengke - ZHAN, Xiang - BIAN, Zhihao - KISS, Tamas - XUE, Peng. Experimental orthogonalization of highly overlapping quantum states with single photons. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 5, 052307., Registrované v: WOS

ADCA285 D'ANNA, E. - LUBY, Štefan - LUCHES, A. - MAJKOVÁ, Eva - MARTINO, M. Processing of w/si and si/w bilayers and multilayers with single and multiple excimer-laser pulses. In *Applied Physics A: Materials Science & Processing*, 1993, vol. 56, no. 5, p. 429-436. ISSN 0947-8396.

Ohlasy:

1. [1.1] KELLY, B. G. - LOETHER, A. - UNRUH, K. M. - DECAMP, M. F. - DICHARA, A. D. X-ray diffraction study of laser-driven solid-state diffusional mixing and new phase formation in Ni-Pt multilayers. In PHYSICAL REVIEW B. ISSN 2469-9950, 2017, vol. 95, no. 6, 064301., Registrované v: WOS

ADCA286 EGGERS, T.** - LAM, D.S. - THIABGOH, O. - MARCIN, Jozef - ŠVEC, Peter - HUONG, N.T. - ŠKORVÁNEK, Ivan** - PHAN, M.H.**. Impact of the transverse magnetocrystalline anisotropy of a Co coating layer on the magnetoimpedance response of FeNi-rich nanocrystalline ribbon. In *Journal of Alloys and Compounds*, 2018, vol. 741, p. 1105-1111. (2017: 3.779 - IF, Q1 - JCR, 1.020 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 0925-8388. Dostupné na: <https://doi.org/10.1016/j.jallcom.2018.01.206>

Ohlasy:

1. [1.1] CAO, Yan - LI, Yue - SHAO, Shufang - LIU, Youjiang - WANG, Yingxian - LIN, Xinhua. Excitation-Current-Dependent Magnetoinductance in Inductive Elements Containing CoFeSiB Ribbons Annealed in Transverse Magnetic Field. In JOURNAL OF ELECTRONIC MATERIALS. ISSN 0361-5235, 2019, vol. 48, no. 8, pp. 4913-4919., Registrované v: WOS
2. [1.1] DASTANI, Mohammad Mehdi - AL-ALI, Muthana Hasan - MORADI, Mehrdad. Influence of current annealing on the magneto-impedance response of co-based ribbons arising from surface structural improvement. In JOURNAL OF NON-CRYSTALLINE SOLIDS. ISSN 0022-3093, 2019, vol. 516, pp. 9-13., Registrované v: WOS
3. [1.1] DENMARK, Daniel J. - BUSTOS-PEREZ, Xiomar - SWAIN, Anand - MANH-HUONG PHAN - MOHAPATRA, Subhra - MOHAPATRA, Shyam S. Readiness of Magnetic Nanobiosensors for Point-of-Care Commercialization. In JOURNAL OF ELECTRONIC MATERIALS. ISSN 0361-5235, 2019, vol. 48, no. 8, pp. 4749-4761., Registrované v: WOS
4. [1.1] ESTEVEZ, Diana - ZHAO, Yujie - WANG, Yunfei - QIN, Faxiang - PENG, Hua-Xin. Optimizing magnetoimpedance of amorphous microwires by nanocarbon-induced magnetic anisotropy. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2020, vol. 502, 166527., Registrované v: WOS
5. [1.1] GUO, Y. B. - ZOU, J. T. - LI, X. - XIE, W. H. - ZHAO, Z. J. Magnetic properties and giant magnetoimpedance effect of FINEMET/Fe50Pt50 composite ribbons. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2020, vol. 513, 167080., Registrované v: WOS
6. [1.1] HAJIALI, Mohammadreza - JAMILPANAHI, Loghman - SHEYKHIFARD, Zahra - MOKHTARZADEH, Mahsa - YAZDI, Hossein - TORIK, Behnam - SHOA E GHAREHBAGH, Javad - AZIZI, Behnam - ROOZMEH, Ehsan - JAFARI, Gholam Reza - MOHSENI, Seyed Majid. Controlling Magnetization of Gr/Ni COMposite for Application in High-Performance Magnetic Sensors. In ACS APPLIED ELECTRONIC MATERIALS. ISSN 2637-6113, 2019, vol. 1, no. 12, pp. 2502-2513., Registrované v: WOS
7. [1.1] CHEN, Zhe - ZHU, Qanke - ZHANG, Kewei - JIANG, Yong. The Non-Isothermal and Isothermal Crystallization Behavior and Mechanism of Fe-Ni Alloys. In CRYSTAL GROWTH & DESIGN. ISSN 1528-7483, 2020, vol. 20, no. 4, pp. 2187-2193., Registrované v: WOS
8. [1.1] PAN, Patrick - MOOREHEAD, Robert D. - HAYWARD, Thomas J. Influence of geometry on the giant magnetoimpedance of high-aspect ratio amorphous magnetic ribbons. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2020, vol. 128, no. 17, 174504., Registrované v: WOS
9. [1.1] WANG, Yao - WEN, Yumei - LI, Ping - CHEN, Lei. Multilevel nonvolatile memory based on the hysteretic giant magnetoimpedance effect of heterogeneous magnetic laminate. In APPLIED PHYSICS EXPRESS. ISSN 1882-0778, 2019, vol. 12, no. 10, art. no. 104006., Registrované v: WOS
10. [1.1] WANG, Yao - WEN, Yumei - LI, Ping. Analytical and experimental study of the improved magnetic field sensitivity for nanocrystalline soft magnetic alloy and coil laminate with different layers. In JOURNAL OF

- ADCA287 EL KAMMOUNI, R. - IGLESIAS, I. - CHICHAY, K. - ŠVEC, Peter - RODIONOVA, V. - VAZQUEZ, M. High-temperature magnetic behavior of soft/soft and soft/hard Fe and Co-based biphasic microwires. In *Journal of Applied Physics*, 2014, vol. 116, no. 9, 093902. (2013: 2.185 - IF, Q2 - JCR, 1.165 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 0021-8979. Dostupné na: <https://doi.org/10.1063/1.4894618>

Ohlasy:

1. [1.1] LV, W. X. - ZOU, J. T. - LI, X. - WANG, J. - ZHAO, Z. J. Magnetostatic interaction in multi-shell Ni₈₀Fe₂₀/Cu composite wires. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2018, vol. 460, pp. 1-5., Registrované v: WOS
2. [1.1] SHARMA, Vinay - SAHA, J. - PATNAIK, S. - KUARNR, Bijoy K. YIG based broad band microwave absorber: A perspective on synthesis methods. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2017, vol. 439, pp. 277-286., Registrované v: WOS
3. [1.1] XIONG, Junlin - TU, Hengchao - LI, Xin - XIE, Wenhui - ZHAO, Z. J. Preparation and magnetic properties of composite wire with double magnetic layers. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2019, vol. 490, UNSP 165531., Registrované v: WOS

- ADCA288 ELIÁŠOVÁ SOHOVÁ, Marianna - BODIK, Michal - ŠIFFALOVÍČ, Peter** - BUGÁROVÁ, Nikola - LABUDOVÁ, Martina - ZAŤOVIČOVÁ, Miriam - HIANIK, Tibor - OMASTOVÁ, Mária - MAJKOVÁ, Eva - JERGEL, Matej - PASTOREKOVÁ, Silvia. Label-free tracking of nanosized graphene oxide cellular uptake by confocal Raman microscopy. In *Analyst*, 2018, vol. 143, no. 15, p. 3686-3692. (2017: 3.864 - IF, Q1 - JCR, 1.249 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 0003-2654. Dostupné na: <https://doi.org/10.1039/c8an00225h>

Ohlasy:

1. [1.1] BALZEROVA, A. - POLAKOVA, K. - MALINA, T. - BELZA, J. - RANC, V. - ZBORIL, R. CELLULAR UPTAKE OF GRAPHENE ACID BY HEL AND HELA CELLS STUDIED BY UV RAMAN SPECTROSCOPY. In 10TH ANNIVERSARY INTERNATIONAL CONFERENCE ON NANOMATERIALS - RESEARCH & APPLICATION (NANOCON 2018 (R)). 2019, p. 566-571., Registrované v: WOS
2. [1.1] KIM, J. - NAM, S.H. - LIM, D.K. - SUH, Y.D. SERS-based particle tracking and molecular imaging in live cells: toward the monitoring of intracellular dynamics. In NANOSCALE. ISSN 2040-3364, DEC 7 2019, vol. 11, no. 45, p. 21724-21727., Registrované v: WOS
3. [1.1] KIM, Mina - EOM, Hyun-Jeong - CHOI, Inhee - HONG, Jongki - CHOI, Jinhee. Graphene oxide-induced neurotoxicity on neurotransmitters, AFD neurons and locomotive behavior in *Caenorhabditis elegans*. In NEUROTOXICOLOGY. ISSN 0161-813X, 2020, vol. 77, pp. 30-39., Registrované v: WOS
4. [1.1] LI, Yulin - ZHENG, Ling - XIAO, Lan - WANG, Liudi - CUI, Jingyuan - SHA, Dongyong - LIU, Changsheng. Eco-friendly development of an

ultrasmall IONP-loaded nanoplatfom for bimodal imaging-guided cancer theranostics. In BIOMATERIALS SCIENCE. ISSN 2047-4830, 2020, vol. 8, no. 22, pp. 6375-6386., Registrované v: WOS

5. [1.1] PIPERNO, A. - MAZZAGLIA, A. - SCALA, A. - PENNISI, R. - ZAGAMI, R. - NERI, G. - TORCASIO, S.M. - ROSMINI, C. - MINEO, P.G. - POTARA, M. - FOCSAN, M. - ASTILEAN, S. - ZHOU, G.G. - SCIORTINET, M.T. Casting Light on Intracellular Tracking of a New Functional Graphene-Based MicroRNA Delivery System by FLIM and Raman Imaging. In ACS APPLIED MATERIALS & INTERFACES. ISSN 1944-8244, DEC 11 2019, vol. 11, no. 49, p. 46101-46111., Registrované v: WOS

6. [1.1] SORRENTINO, Alessandro - CATALDO, Antonino - CURATOLO, Riccardo - TAGLIATESTA, Pietro - MOSCA, Luciana - BELLUCCI, Stefano. Novel optimized biopolymer-based nanoparticles for nose-to-brain delivery in the treatment of depressive diseases. In RSC ADVANCES, 2020, vol. 10, no. 48, pp. 28941-28949., Registrované v: WOS

7. [1.1] ZAHARIE-BUTUCEL, D. - POTARA, M. - SUARASAN, S. - LICARETE, E. - ASTILEAN, S. Efficient combined near-infrared-triggered therapy: Phototherapy over chemotherapy in chitosan-reduced graphene oxide-IR820 Check 10 dye-doxorubicin nanoplatfoms. In JOURNAL OF COLLOID AND INTERFACE SCIENCE. ISSN 0021-9797, SEP 15 2019, vol. 552, p. 218-229., Registrované v: WOS

ADCA289 ELSEVIERS, J. - ANDREYEV, A.N. - HUYSE, M. - VAN DUPPEN, P. - ANTALIC, S. - BARZAKH, A. - BREE, N. - COCOLIOS, T.E. - COMAS, V.F. - DIRIKEN, J. - FEDOROV, D. - FEDOSSEEV, V.N. - FRANCHOO, S. - GHYS, L. - HEREDIA, J.A. - IVANOV, O. - KOESTER, U. - MARSH, B.A. - NISHIO, K. - PAGE, R.D. - PATRONIS, N. - SELIVERSTOV, M.D. - TSEKHANOVICH, I. - VAN DER BERGH, P. - VAN DE WALLE, J. - VENHART, Martin - VERMOTE, S. - VESELSKÝ, Martin - WAGEMANS, C. beta-delayed fission of Tl-180. In *Physical Review C*, 2013, vol. 88, no. 4, 044321. (2012: 3.715 - IF, 2.769 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.88.044321>

Ohlasy:

1. [1.1] KAJINO, T. - AOKI, W. - BALANTEKIN, A. B. - DIEHL, R. - FAMIANO, M. A. - MATHEWS, G. J. Current status of r-process nucleosynthesis. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2019, vol. 107, pp. 109-166., Registrované v: WOS

2. [1.1] KAVITA - GOLDA, K. S. - GHOSH, T. K. - JHINGAN, A. - SUGATHAN, P. - CHATTERJEE, A. - BEHERA, B. R. - KUMAR, Ashok - KUMAR, Rakesh - SANEESH, N. - KUMAR, M. - YADAV, Abhishek - YADAV, C. - KUMAR, Neeraj - BANERJEE, Akashrup - RANI, A. - DUGGI, S. K. - DUBEY, Rakesh - RANI, Kavita - NOOR, Shoaib - ACHARYA, Jaimin - SINGH, Hardev. Fusion-fission dynamics of Pt-188,Pt-190 through fission fragment mass distribution measurements. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 2, 024626., Registrované v: WOS

3. [1.1] MCCUTCHAN, E. A. Nuclear Data Sheets for A=180. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2015, vol. 126, pp. 151., Registrované v: WOS

4. [1.1] MOELLER, Peter - RANDRUP, Jorgen. Calculated fission-fragment yield systematics in the region $74 \leq Z \leq 94$ and $90 \leq N \leq$

150. In PHYSICAL REVIEW C. ISSN 2469-9985, 2015, vol. 91, no. 4, 044316., Registrované v: WOS
5. [1.1] MUMPOWER, M. R. - KAWANO, T. - SPROUSE, T. M. - VASSH, N. - HOLMBECK, E. M. - SURMAN, R. - MOLLER, P. beta-delayed Fission in r-process Nucleosynthesis. In ASTROPHYSICAL JOURNAL. ISSN 0004-637X, 2018, vol. 869, no. 1, 14., Registrované v: WOS
6. [1.1] PASCA, H. - ANDREEV, A. V. - ADAMIAN, G. G. - ANTONENKO, N. V. Unexpected asymmetry of the charge distribution in the fission of Th-222, Th-224 at high excitation energies. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 6, 064614., Registrované v: WOS
7. [1.1] POMORSKI, Krzysztof - DOBROWOLSKI, Artur - HAN, Rui - NERLO-POMORSKA, Bozena - WARDA, Michal - XIAO, Zhigang - CHEN, Yongjing - LIU, Lilie - TIAN, Jun-Long. Mass yields of fission fragments of Pt to Ra isotopes. In PHYSICAL REVIEW C. ISSN 0556-2813, 2020, vol. 101, no. 6, 064602., Registrované v: WOS
8. [1.1] PRASAD, E. - HINDE, D. J. - RAMACHANDRAN, K. - WILLIAMS, E. - DASGUPTA, M. - CARTER, I. P. - COOK, K. J. - JEUNG, D. Y. - LUONG, D. H. - MCNEIL, S. - PALSHETKAR, C. S. - RAFFERTY, D. C. - SIMENEL, C. - WAKHLE, A. - KHUYAGBAATAR, J. - DUELLMANN, Ch. E. - LOMMEL, B. - KINDLER, B. Observation of mass-asymmetric fission of mercury nuclei in heavy ion fusion. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 91, no. 6, 064605., Registrované v: WOS
9. [1.1] PRASAD, E. - HINDE, D. J. - WILLIAMS, E. Mass-asymmetric fission in the Ca-40+Nd-142 reaction. In EPJ WEB OF CONFERENCES, 2016, vol. 123, UNSP 03006., Registrované v: WOS
10. [1.1] PRASAD, E. - HINDE, D. J. - DASGUPTA, M. - JEUNG, D. Y. - BERRIMAN, A. C. - SWINTON-BLAND, B. M. A. - SIMENEL, C. - SIMPSON, E. C. - BERNARD, R. - WILLIAMS, E. - COOK, K. J. - RAFFERTY, D. C. - SENGUPTA, C. - SMITH, J. F. - VO-PHUOC, K. - WALSHE, J. Systematics of the mass-asymmetric fission of excited nuclei from Os-176 to Pb-206. In PHYSICS LETTERS B. ISSN 0370-2693, 2020, vol. 811, 135941., Registrované v: WOS
11. [1.1] RODRIGUEZ-SANCHEZ, J. L. - BENLLIURE, J. - TAIEB, J. - ALVAREZ-POL, H. - AUDOUIN, L. - AYYAD, Y. - BELIER, G. - BOUTOUX, G. - CASAREJOS, E. - CHATILLON, A. - CORTINA-GIL, D. - GORBINET, T. - HEINZ, A. - KELIC-HEIL, A. - LAURENT, B. - MARTIN, J.F. - PARADELA, C. - PELLEREAU, E. - PIETRAS, B. - RAMOS, D. - RODRIGUEZ-TAJES, C. - ROSSI, D. M. - SIMON, H. - VARGAS, J. - VOSS, B. Complete characterization of the fission fragments produced in reactions induced by Pb-208 projectiles on proton at 500A MeV. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 91, no. 6, 064616., Registrované v: WOS
12. [1.1] SCHMIDT, Karl-Heinz - JURADO, Beatriz. Review on the progress in nuclear fission-experimental methods and theoretical descriptions. In REPORTS ON PROGRESS IN PHYSICS. ISSN 0034-4885, 2018, vol. 81, no. 10, 106301., Registrované v: WOS
13. [1.1] SKOBELEV, N. K. Delayed fission of atomic nuclei (To the 50th anniversary of the discovery). In PHYSICS OF ATOMIC NUCLEI. ISSN 1063-7788, 2017, vol. 80, no. 5, pp. 858-866., Registrované v: WOS
14. [1.1] WARDA, M. - ZDEB, A. Fission fragment mass yield deduced from density distribution in the pre-scission configuration. In PHYSICA

ADCA290 ELSEVIERS, J. - ANDREYEV, A.N. - ANTALIC, S. - BARZAKH, A. - BREE, N. - COCOLIOS, T.E. - COMAS, V.F. - DIRIKEN, J. - FEDOROV, D. - FEDOSSEYEV, V.N. - FRANCHOO, S. - HEREDIA, J.A. - HUYSE, M. - IVANOV, O. - KOSTER, U. - MARSH, B.A. - PAGE, R.D. - PATRONIS, N. - SELIVERSTOV, M. - TSEKHANOVICH, I. - VAN DEN BERGH, P. - VAN DEWALLE, J. - VAN DUPPEN, P. - VENHART, Martin - VERMOTE, S. - VESELSKÝ, Martin - WAGEMANS, C. Shape coexistence in Hg-180 studied through the beta decay of Tl-180. In *Physical Review C*, 2011, vol. 84, no. 3, 034307. (2010: 3.416 - IF, 2.409 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.84.034307>

Ohlasy:

1. [1.1] AYANGEAKAA, A. D. - JANSSENS, R. V. F. - WU, C. Y. - ALLMOND, J. M. - WOOD, J. L. - ZHU, S. - ALBERS, M. - ALMARAZ-CALDERON, S. - BUCHER, B. - CARPENTER, M. P. - CHIARA, C. J. - CLINE, D. - CRAWFORD, H. L. - DAVID, H. M. - HARKER, J. - HAYES, A. B. - HOFFMAN, C. R. - KAY, B. P. - KOLOS, K. - KORICHI, A. - LAURITSEN, T. - MACCHIAVELLI, A. O. - RICHARD, A. - SEWERYNIAK, D. - WIENS, A. Shape coexistence and the role of axial asymmetry in Ge-72. In *PHYSICS LETTERS B*. ISSN 0370-2693, 2016, vol. 754, pp. 254-259., Registrované v: WOS
2. [1.1] BERGE, M. J. G. Highlights of the ISOLDE facility and the HIE-ISOLDE Project. In *12TH INTERNATIONAL CONFERENCE ON NUCLEUS-NUCLEUS COLLISIONS 2015*. ISSN 2100-014X, 2016, vol. 117, 10002., Registrované v: WOS
3. [1.1] GARCIA-RAMOS, J. E. - HEYDE, K. Nuclear shape coexistence in Po isotopes: An interacting boson model study. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2015, vol. 92, no. 3, 034309., Registrované v: WOS
4. [1.1] HEYDE, K. - WOOD, J. L. Nuclear shapes: from earliest ideas to multiple shape coexisting structures. In *PHYSICA SCRIPTA*. ISSN 0031-8949, 2016, vol. 91, no. 8, 083008., Registrované v: WOS
5. [1.1] MCCUTCHAN, E. A. Nuclear Data Sheets for A=180. In *NUCLEAR DATA SHEETS*. ISSN 0090-3752, 2015, vol. 126, pp. 151., Registrované v: WOS
6. [1.1] NOMURA, K. - OTSUKA, T. - VAN ISACKER, P. Shape coexistence in the microscopically guided interacting boson model. In *JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS*. ISSN 0954-3899, 2016, vol. 43, no. 2, 024008., Registrované v: WOS
7. [1.1] QUAN, S. - CHEN, Q. - LI, Z. P. - NIKSIC, T. - VRETENAR, D. Global analysis of quadrupole shape invariants based on covariant energy density functionals. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2017, vol. 95, no. 5, 054321., Registrované v: WOS
8. [1.1] WOOD, J. L. - HEYDE, K. A focus on shape coexistence in nuclei. In *JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS*. ISSN 0954-3899, 2016, vol. 43, no. 2, 020402., Registrované v: WOS

ADCA291 ERDOGAN, Nursev - BOUZIANI, Asmae - PARK, Jongee** - MIČUŠÍK, Matej - KIM, Soo Young - MAJKOVÁ, Eva - OMASTOVÁ, Mária - OZTURK, Abdullah. Synthesis and enhanced photocatalytic activity of nitrogen-doped triphasic TiO₂ nanoparticles. In *Journal of Photochemistry and Photobiology. A: Polymer chemistry*, 2019, vol. 377, p. 92-100. (2018: 3.261 - IF, Q2 - JCR, 0.657 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 1010-6030. Dostupné na: <https://doi.org/10.1016/j.jphotochem.2019.03.047>

Ohlasy:

1. [1.1] JORDANOVOVA, Veronika - LOSERTOVA, Monika - STENCEK, Michal - LUKASOVA, Tereza - MARTYNKOVA, Grazyna Simha - PEIKERTOVA, Pavlina. Microstructure and Properties of Nanostructured Coating on Ti6Al4V. In *MATERIALS*, 2020, vol. 13, no. 3, 708., Registrované v: WOS
2. [1.1] LIU, Jun - LI, Xuli - HOU, Haobo - ZHOU, Min. Facile Synthesis of Anatase-Rutile Diphase N-doped TiO₂ Nanoparticles with Excellent Visible Light Photocatalytic Activity. In *CATALYSTS*, 2020, vol. 10, no. 10, 1126., Registrované v: WOS
3. [1.1] LIU, Wenjing - WANG, Bin - ZHANG, Minghui. Synthesizing C-N-P-tridoped TiO₂ in a Salix psammophila-activated carbon body to enhance its regeneration performance. In *NEW JOURNAL OF CHEMISTRY*. ISSN 1144-0546, 2020, vol. 44, no. 41, pp. 17871-17881., Registrované v: WOS
4. [1.1] NACIRI, Y. - HSINI, A. - AJMAL, Z. - BOUDDOUC, A. - BAKIZ, B. - NAVIO, J. A. - ALBOURINE, A. - VALMALETTE, J-C - EZAHRI, M. - BENLHACHEMI, A. Influence of Sr-doping on structural, optical and photocatalytic properties of synthesized Ca-3(PO₄)(2). In *JOURNAL OF COLLOID AND INTERFACE SCIENCE*. ISSN 0021-9797, 2020, vol. 572, no., pp. 269-280., Registrované v: WOS
5. [1.1] RAMEZANISANI, S. - RAJABI, M. - MOHSENI, F. Influence of nitrogen doping on visible light photocatalytic activity of TiO₂ nanowires with anatase-rutile junction. In *CHEMICAL PHYSICS LETTERS*. ISSN 0009-2614, 2020, vol. 744, 137217., Registrované v: WOS
6. [1.1] ZOU, Fengxia - HU, Jianwei - MIAO, Wujian - SHEN, Yongjun - DING, Jiandong - JING, Xiaohui. Synthesis and Characterization of Enhanced Photocatalytic Activity with Li⁺-Doping Nanosized TiO₂ Catalyst. In *ACS OMEGA*. ISSN 2470-1343, 2020, vol. 5, no. 44, pp. 28510-28516., Registrované v: WOS
7. [1.2] DIACON, A. - MOCANU, A. - RĂDUCANU, C.E. - BUSUIOC, C. - ȘOMOGHI, R. - TRICĂ, B. - DINESCU, A. - RUSEN, E. c/ZnO/Li₂O nanocomposites with enhanced photocatalytic activity. In *Scientific Reports*, ISSN 2045-2322, 2019, vol. 9, no. 1, art. no. 16840., Registrované v: Scopus

ADCA292 EUCHNER, H. - MIHALKOVIČ, Marek - GAHLER, F. - JOHNSON, M.R. - SCHOBER, H. - ROLS, S. - SUARD, E. - BOSAK, A. - OHHASHI, S. - TSAI, A.P. - LIDIN, S. - GOMEZ, C.P. - CUSTERS, J. - PASCHEN, S. - DE BOISSIEU, M. Anomalous vibrational dynamics in the Mg₂Zn₁₁ phase. In *Physical Review B*, 2011, vol. 83, no. 14, 144202. (2010: 3.774 - IF, Q1 - JCR, 3.318 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.84.034307>

Ohlasy:

1. [1.1] ENGELKEMIER, Joshua - FREDRICKSON, Daniel C.

Chemical Pressure Schemes for the Prediction of Soft Phonon Modes: A Chemist's Guide to the Vibrations of Solid State Materials. In CHEMISTRY OF MATERIALS. ISSN 0897-4756, 2016, vol. 28, no. 9, pp. 3171-3183., Registrované v: WOS

2. [1.1] JANG, Hyo-Sun - KIM, Kyeong-Min - LEE, Byeong-Joo. Modified embedded-atom method interatomic potentials for pure Zn and Mg-Zn binary system. In CALPHAD-COMPUTER COUPLING OF PHASE DIAGRAMS AND THERMOCHEMISTRY. ISSN 0364-5916, 2018, vol. 60, pp. 200-207., Registrované v: WOS

3. [1.1] LIU, Xuan L. - VANLEEUEWEN, Brian K. - SHANG, Shun-Li - DU, Yong - LIU, Zi-Kui. On the scaling factor in Debye-Gruneisen model: A case study of the Mg-Zn binary system. In COMPUTATIONAL MATERIALS SCIENCE. ISSN 0927-0256, 2015, vol. 98, pp. 34., Registrované v: WOS

4. [1.1] LI, Z. - ZHAO, Z. - ZHOU, Z. - et al. First-principles calculations on small Mg_nZn and Mg_n-1Zn₂ clusters: Structures, stability, electronic properties, In MATERIALS CHEMISTRY AND PHYSICS. 2017, vol. 199, pp. 585-590., Registrované v: WOS

5. [1.1] NEMEC, M. - GAERTNEROVA, V. - KLEMENTOVA, M. - JAEGER, A. Analysis of intermetallic particles in Mg-12 wt.%Zn binary alloy using transmission electron microscopy. In MATERIALS CHARACTERIZATION. ISSN 1044-5803, 2015, vol. 106, pp. 428., Registrované v: WOS

6. [1.1] NISHIMURA, Katsuhiko - MATSUDA, Kenji - TSUCHIYA, Taiki - NUNOMURA, Norio - BENDO, Arteni - ISIKAWA, Yosikazu - IMAI, Kosuke - ADACHI, Hiroki - HUTCHISON, Wayne D. Critical concentrations of Zn and Mg for enhanced diamagnetism in Al-Zn-Mg alloys. In AIP ADVANCES, 2019, vol. 9, no. 12., Registrované v: WOS

7. [1.1] RAPPAZ, M. - JARRY, P. H. - KURTULDU, G. - ZOLLINGER, J. Solidification of Metallic Alloys: Does the Structure of the Liquid Matter? In METALLURGICAL AND MATERIALS TRANSACTIONS A-PHYSICAL METALLURGY AND MATERIALS SCIENCE. ISSN 1073-5623, 2020, vol. 51, no. 6, pp. 2651-2664., Registrované v: WOS

8. [1.1] SCHWARZ, M. - WENDORFF, M. - ROEHR, C. Complex cubic metallides AM (similar to 6) (A = Ca, Sr; M = Zn, Cd, Hg). Synthesis, crystal chemistry and chemical bonding, ZEITSCHRIFT FUR KRISTALLOGRAPHIE-CRYSTALLINE MATERIALS, 2017, vol. 232, no. 7-9, pp. 515-541., Registrované v: WOS

ADCA293 EUCHNER, H. - YAMADA, T. - ROLS, S. - ISHIMASA, T. - OLLIVIER, J. - SCHOBER, H. - MIHALKOVIČ, Marek - DE BOISSIEU, M. Lattice dynamics of the icosahedral quasicrystals i-ZnMgSc and i-ZnAgSc and the cubic 1/1-approximant Zn₆Sc. In *Journal of Physics: Condensed Matter*, 2014, vol. 26, no. 5, 055402. (2013: 2.223 - IF, Q2 - JCR, 1.297 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents). ISSN 0953-8984. Dostupné na: <https://doi.org/10.1088/0953-8984/26/5/055402>

Ohlasy:

1. [1.1] BANH, Hung - DILCHERT, Katharina - SCHULZ, Christine - GEMEL, Christian - SEIDEL, Ruediger W. - GAUTIER, Regis - KAHLAL, Samia - SAILLARD, Jean-Yves - FISCHER, Roland A. Atom-Precise Organometallic Zinc Clusters. In ANGEWANDTE

CHEMIE-INTERNATIONAL EDITION. ISSN 1433-7851, 2016, vol. 55, no. 10, pp. 3285-3289., Registrované v: WOS

2. [1.1] DAS, Pinaki - LORY, P.F. - FLINT, R. - KONG, T. - HIROTO, T. - BUD'KO, S. L. - CANFIELD, P. C. - DE BOISSIEU, M. - KREYSSIG, A. - GOLDMAN, A. I. Crystal electric field excitations in the quasicrystal approximant TbCd₆ studied by inelastic neutron scattering. In PHYSICAL REVIEW B. ISSN 2469-9950, 2017, vol. 95, no. 5, 054408., Registrované v: WOS

3. [1.1] WOLNY, Janusz - BUGANSKI, Ireneusz - STRZALKA, Radosław. Model refinement of quasicrystals. In CRYSTALLOGRAPHY REVIEWS. ISSN 0889-311X, 2018, vol. 24, no. 1, pp. 22-64., Registrované v: WOS

ADCA294 EUCHNER, H. - YAMADA, T. - SCHOBBER, H. - ROLS, S. - MIHALKOVIČ, Marek - TAMURA, R. - ISHIMASA, T. - DE BOISSIEU, M. Ordering and dynamics of the central tetrahedron in the 1/1 Zn₆Sc periodic approximant to quasicrystal. In *Journal of Physics: Condensed Matter*, 2012, vol. 24, no. 41, 415403. (2011: 2.546 - IF, Q2 - JCR, 1.660 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0953-8984. Dostupné na: <https://doi.org/10.1088/0953-8984/24/41/415403>

Ohlasy:

1. [1.1] CHAHINE, Gilbert Andre - BLANC, Nils - ARNAUD, Stephan - DE GEUSER, Frederic - GUINEBRETIERE, Rene - BOUDET, Nathalie. Advanced Non-Destructive in Situ Characterization of Metals with the French Collaborating Research Group D2AM/BM02 Beamline at the European Synchrotron Radiation Facility. In METALS. ISSN 2075-4701, 2019, vol. 9, no. 3, 352., Registrované v: WOS

2. [1.1] TAYLOR, Jean E. - TEICH, Erin G. - DAMASCENO, Pablo F. - KALLUS, Yoav - SENECHAL, Marjorie. On the Form and Growth of Complex Crystals: The Case of Tsai-Type Clusters. In SYMMETRY-BASEL. ISSN 2073-8994, 2017, vol. 9, no. 9, 188., Registrované v: WOS

3. [1.1] WOLNY, Janusz - BUGANSKI, Ireneusz - STRZALKA, Radosław. Model refinement of quasicrystals. In CRYSTALLOGRAPHY REVIEWS. ISSN 0889-311X, 2018, vol. 24, no. 1, pp. 22-64., Registrované v: WOS

ADCA295 EUCHNER, H. - YAMADA, T. - ROLS, S. - ISHIMASA, T. - KANEKO, Y. - OLLIVIER, J. - SCHOBBER, H. - MIHALKOVIČ, Marek - DE BOISSIEU, M. Tetrahedron dynamics in the icosahedral quasicrystals i-ZnMgSc and i-ZnAgSc and the cubic 1/1-approximant Zn₆Sc. In *Journal of Physics: Condensed Matter*, 2013, vol. 25, no. 11, 115405. (2012: 2.355 - IF, Q2 - JCR, 1.688 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 0953-8984. Dostupné na: <https://doi.org/10.1088/0953-8984/25/11/115405>

Ohlasy:

1. [1.1] COATES, Sam - NOZAWA, Kazuki - FUKAMI, Masahiro - INAGAKI, Kazuki - SHIMODA, Masahiko - MCGRATH, Ronan - SHARMA, Hem Raj - TAMURA, Ryuji. Atomic structure of the (111) surface of the antiferromagnetic 1/1 Au-Al-Tb approximant. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 102, no. 23, 235419., Registrované v: WOS

2. [1.1] GEBRESENBUT, Girma - SHIINO, Takayuki - EKLOF, Daniel

- JOSHI, Deep Chandra - DENOEL, Fernand - MATHIEU, Roland -
HAUSSERMANN, Ulrich - GOMEZ, Cesar Pay. Atomic-Scale Tuning of
Tsai-Type Clusters in RE-Au-Si Systems (RE = Gd, Tb, Ho). In *INORGANIC
CHEMISTRY*. ISSN 0020-1669, 2020, vol. 59, no. 13, pp. 9152-9162.,
Registrované v: WOS

ADCA296 FABER, Manfred - GREENSITE, Jeff - OLEJNÍK, Štefan. First evidence for
center dominance in SU(3) lattice gauge theory. In *Physics Letters B*, 2000, vol. 474,
no. 1-2, p. 177-181. (1999: 3.878 - IF, Current Contents - CCC). (2000 - Current
Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na:
[https://doi.org/10.1016/S0370-2693\(00\)00013-7](https://doi.org/10.1016/S0370-2693(00)00013-7)

Ohlasy:

1. [1.1] BIDDLE, James C. - KAMLEH, Waseem - LEINWEBER,
Derek B. Gluon propagator on a center-vortex background. In *PHYSICAL
REVIEW D*. ISSN 2470-0010, 2018, vol. 98, no. 9, 094504., Registrované v:
WOS

2. [1.1] FISCHER, Christian S. QCD at finite temperature and chemical
potential from Dyson-Schwinger equations. In *PROGRESS IN PARTICLE AND
NUCLEAR PHYSICS*. ISSN 0146-6410, 2019, vol. 105, pp. 1-60., Registrované
v: WOS

ADCA297 FABER, Manfred - GREENSITE, Jeff - OLEJNÍK, Štefan. Remarks on the
Gribov problem in the direct maximal center gauge. In *Physical Review D*, 2001,
vol. 64, no. 3, 034511. (2000: 3.838 - IF, Current Contents - CCC). (2001 - Current
Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na:
<https://doi.org/10.1103/PhysRevD.64.034511>

Ohlasy:

1. [1.1] BURGIO, Giuseppe - QUANDT, Markus - REINHARDT,
Hugo - VOGT, Hannes. Coulomb versus physical string tension on the lattice. In
PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 3, 034518.,
Registrované v: WOS

ADCA298 FABER, M. - GREENSITE, J. - OLEJNÍK, Štefan. Casimir scaling from
center vortices: Towards an understanding of the adjoint string tension. In *Physical
Review D*, 1998, vol. 57, no. 4, p. 2603-2609. (1997: 3.420 - IF, Current Contents -
CCC). (1998 - Current Contents, WOS, SCOPUS). ISSN 1550-7998.

Ohlasy:

1. [1.1] AHMADI, Alireza - RAFIBAKHSH, Shahnoosh. Trivial center
element and Coulombic potential of the thick center vortex model. In *ANNALS
OF PHYSICS*. ISSN 0003-4916, 2017, vol. 376, pp. 145-152., Registrované v:
WOS

2. [1.1] AHMADI, A. - RAFIBAKHSH, S. Confinement Through a
Two Dimensional Flux of the Thick Center Vortices, In *INTERNATIONAL
JOURNAL OF THEORETICAL PHYSICS*, 2017, vol. 56, no. 2, pp. 386-395.,
Registrované v: WOS

3. [1.1] BIDDLE, James C. - KAMLEH, Waseem - LEINWEBER,
Derek B. Visualization of center vortex structure. In *PHYSICAL REVIEW D*.
ISSN 2470-0010, 2020, vol. 102, no. 3, 034504., Registrované v: WOS

4. [1.1] DELDAR, S. - NEJAD, S. M. Hosseini. Center vortices as
composites of monopole fluxes. In *AIP CONFERENCE PROCEEDINGS*, 2016,

vol. 1701, pp. 100004., Registrované v: WOS

5. [1.1] FIORENTINI, D. - JUNIOR, D. R. - OXMAN, L. E. - SOBREIRO, R. F. Renormalizability of the center-vortex free sector of Yang-Mills theory. In PHYSICAL REVIEW D. ISSN 2470-0010, 2020, vol. 101, no. 8, 085007., Registrované v: WOS

6. [1.1] GOLUBICH, Rudolf - FABER, Manfred. THE ROAD TO SOLVING THE GRIBOV PROBLEM OF THE CENTER VORTEX MODEL IN QUANTUM CHROMODYNAMICS. In ACTA PHYSICA POLONICA B PROCEEDINGS SUPPLEMENT. ISSN 1899-2358, 2020, vol. 13, no. 1, pp. 59-64., Registrované v: WOS

7. [1.1] JUNIOR, David R. - OXMAN, Luis E. - SIMOES, Gustavo M. BPS strings and the stability of the asymptotic Casimir law in adjoint flavor-symmetric Yang-Mills-Higgs models. In PHYSICAL REVIEW D. ISSN 2470-0010, 2020, vol. 102, no. 7, 074005., Registrované v: WOS

8. [1.1] JUNIOR, D. R. - OXMAN, L. E. - SIMOES, G. M. 3D Yang-Mills confining properties from a non-Abelian ensemble perspective. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2020, no. 1, 180., Registrované v: WOS

9. [1.1] KONDO, Kei-Ichi - KATO, Seikou - SHIBATA, Akihiro - SHINOHARA, Toru. Quark confinement: Dual superconductor picture based on a non-Abelian Stokes theorem and reformulations of Yang-Mills theory. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, 2015, vol. 579, pp. 1-226., Registrované v: WOS

10. [1.1] MATSUDO, R. - KONDO, Kei-Ichi. Gauge-covariant decomposition and magnetic monopole for $G(2)$. In PHYSICAL REVIEW D, 2016, vol. 94, 045004., Registrované v: WOS

11. [1.1] NEJAD, Seyed Mohsen Hosseini - DELDAR, Sedigheh. Contributions of the center vortices and vacuum domain in potentials between static sources. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, vol. 03, no. 3, 016., Registrované v: WOS

12. [1.1] NEJAD, Seyed Mohsen Hosseini - DELDAR, Sedigheh. Monopole-center vortex chains in $SU(2)$ gauge theory. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS. ISSN 2050-3911, 2016, no. 12, 123B03., Registrované v: WOS

13. [1.1] NEJAD, Seyed Mohsen Hosseini - DELDAR, Sedigheh. Correlations between Abelian monopoles and center vortices. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2017, vol. 917, pp. 272-285., Registrované v: WOS

14. [1.1] NEJAD, Seyed Mohsen Hosseini. Domain structures and quark potentials in $SU(3)$ gauge theory. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 100, no. 11, 114504., Registrované v: WOS

15. [1.1] OXMAN, L. E. 4D ensembles of percolating center vortices and monopole defects: The emergence of flux tubes with N-ality and gluon confinement. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 3, 036018., Registrované v: WOS

16. [1.1] OXMAN, L. E. - REINHARDT, H. Effective theory of the $D=3$ center vortex ensemble. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 3, 177., Registrované v: WOS

17. [1.1] OXMAN, L. E. - SIMOES, G. M. k-strings with exact Casimir law and Abelian-like profiles. In PHYSICAL REVIEW D. ISSN 2470-0010,

2019, vol. 99, no. 1, 016011., Registrované v: WOS

18. [1.1] OXMAN, L. E. - VERCAUTEREN, D. Exploring center strings in SU(2) and SU(3) relativistic Yang-Mills-Higgs models. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 2, 025001., Registrované v: WOS

19. [1.1] RAFIBAKHSH, Shahnoosh - AHMADI, Alireza. Two Dimensional Thick Center Vortex Model. In AIP CONFERENCE PROCEEDINGS, 2016, vol. 1701, p. 100015., Registrované v: WOS

20. [1.1] RAFIBAKHSH, Shahnoosh - SHAHLAEI, Amir. Confinement in F-4 Exceptional Gauge Group Using Domain Structures. In XIITH QUARK CONFINEMENT AND THE HADRON SPECTRUM. ISSN 2100-014X, 2017, vol. 137, UNSP 13013., Registrované v: WOS

21. [1.1] SHAHLAEI, Amir - RAFIBAKHSH, Shahnoosh. F-4, E-6 and G(2) exceptional gauge groups in the vacuum domain structure model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 5, 056015., Registrované v: WOS

22. [1.1] SIMONOV, Yu A. Field correlator method for the confinement in QCD. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 99, no. 5, 056012., Registrované v: WOS

23. [3.1] AHMADI, A.- RAFIBAKHSH, S. The role of non-quantized fluxes. In PREPRINT HEP-PH/1504.02877, 2015.

24. [3.1] OXMAN, L.E. Hybrid mesons as systems of confined monopoles. In PREPRINT HEP-PH/1506.05186, 2015.

ADCA299 FABER, M. - GREENSITE, J. - OLEJNÍK, Štefan. Direct Laplacian center gauge. In *Journal of High Energy Physics*, 2001, no. 11, 053. ISSN 1029-8479.

Ohlasy:

1. [1.1] BURGIO, Giuseppe - QUANDT, Markus - REINHARDT, Hugo - VOGT, Hannes. Coulomb versus physical string tension on the lattice. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 3, 034518., Registrované v: WOS

2. [1.1] HIRAGUCHI, Atsuki - ISHIGURO, Katsuya - SUZUKI, Tsuneo. New Abelian-like monopoles and the dual Meissner effect. In PHYSICAL REVIEW D. ISSN 2470-0010, 2020, vol. 102, no. 11, 114504., Registrované v: WOS

3. [1.1] OXMAN, L. E. 4D ensembles of percolating center vortices and monopole defects: The emergence of flux tubes with N-ality and gluon confinement. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 3, 036018., Registrované v: WOS

4. [1.1] OXMAN, L. E. - SANTOS-ROSA, G. C. Detecting topological sectors in continuum Yang-Mills theory and the fate of BRST symmetry. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 12, 125025., Registrované v: WOS

5. [1.1] SUZUKI, Tsuneo - ISHIGURO, Katsuya - BORNYAKOV, Vitaly. New scheme for color confinement and violation of the non-Abelian Bianchi identities. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 3, 034501., Registrované v: WOS

6. [1.1] SUZUKI, Tsuneo. Blockspin renormalization-group study of color confinement due to violation of the non-Abelian Bianchi identity. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 3, 034509.,

Registrované v: WOS

7. [1.1] TREWARTHA, Daniel - KAMLEH, Waseem - LEINWEBER, Derek. Connection between center vortices and instantons through gauge-field smoothing. In *PHYSICAL REVIEW D*. ISSN 1550-7998, 2015, vol. 92, no. 7, 074507., Registrované v: WOS

8. [1.1] TREWARTHA, D.- KAMLEH, W.- LEINWEBER, D. Evidence the centre vortices underpin dynamical chiral symmetry breaking in $SU(3)$ gauge theory. In *PHYSICS LETTERS B*, 2015, vol. 747, p. 373-377., Registrované v: WOS

9. [3.1] HOFMANN, Ralf The Thermodynamics of Quantum Yang-Mills Theory: Theory and Applications. 2nd Edition. Singapore, World Scientific 2016.

ADCA300 FABER, M. - MARKUM, H. - OLEJNÍK, Štefan - SAKULER, W.

Topological charge density around static colour sources. In *Nuclear Physics B - Proceedings Supplements*, 1994, vol. 34, p. 167-169. ISSN 0920-5632. Dostupné na: [https://doi.org/10.1016/0920-5632\(94\)90335-2](https://doi.org/10.1016/0920-5632(94)90335-2)

Ohlasy:

1. [1.2] LIU, Yizhuang - ZAHED, Ismail. Probing Wilson loops in the QCD instanton vacuum. In *Physical Review D Particles, Fields, Gravitation and Cosmology*. ISSN 15507998, 2015-02-24, 91, 3, 034023., Registrované v: SCOPUS

ADCA301 FARHI, E. - GOSSET, D. - HASSIDIM, A. - LUTOMIRSKI, A. - NAGAJ,

Daniel - SHOR, P. Quantum state restoration and single-copy tomography for ground states of Hamiltonians. In *Physical Review Letters*, 2010, vol. 105, no. 19, 190503. (2009: 7.328 - IF, 6.325 - SJR, Q1 - SJR, Current Contents - CCC). (2010 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.105.190503>

Ohlasy:

1. [1.1] AARONSON, Scott. Shadow Tomography of Quantum States. In *STOC'18: PROCEEDINGS OF THE 50TH ANNUAL ACM SIGACT SYMPOSIUM ON THEORY OF COMPUTING*. ISSN 0737-8017, 2018, pp. 325-338., Registrované v: WOS

2. [1.1] AARONSON, Scott. SHADOW TOMOGRAPHY OF QUANTUM STATES. In *SIAM JOURNAL ON COMPUTING*. ISSN 0097-5397, 2020, vol. 49, no. 5., Registrované v: WOS

3. [1.1] AMIRI, Ryan - ARRAZOLA, Juan Miguel. Quantum money with nearly optimal error tolerance. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2017, vol. 95, no. 6, 062334., Registrované v: WOS

4. [1.1] AMOS, Ryan - GEORGIOU, Marios - KIAYIAS, Aggelos - ZHANDRY, Mark. One-Shot Signatures and Applications to Hybrid Quantum/Classical Authentication. In *PROCEEDINGS OF THE 52ND ANNUAL ACM SIGACT SYMPOSIUM ON THEORY OF COMPUTING (STOC '20)*. ISSN 0737-8017, 2020, pp. 255-268., Registrované v: WOS

5. [1.1] BROADBENT, Anne - SCHAFFNER, Christian. Quantum cryptography beyond quantum key distribution. In *DESIGNS CODES AND CRYPTOGRAPHY*. ISSN 0925-1022, 2016, vol. 78, no. 1, pp. 351-382., Registrované v: WOS

6. [1.1] GE, Yimin - TURA, Jordi - CIRAC, J. Ignacio. Faster ground

state preparation and high-precision ground energy estimation with fewer qubits. In JOURNAL OF MATHEMATICAL PHYSICS. ISSN 0022-2488, 2019, vol. 60, no. 2, 190503., Registrované v: WOS

7. [1.1] HORODECKI, Karol - STANKIEWICZ, Maciej. Semi-device-independent quantum money. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2020, vol. 22, no. 2, 023007., Registrované v: WOS

ADCA302 FELDMAN, E. - HILLERY, M. - LEE, H.-W. - REITZNER, Daniel - ZHENG, H. - BUŽEK, Vladimír. Finding structural anomalies in graphs by means of quantum walks. In *Physical Review A*, 2010, vol. 82, no. 4, 040301 R. (2009: 2.866 - IF, Q2 - JCR, 2.469 - SJR, Q1 - SJR, Current Contents - CCC). (2010 - Current Contents). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.82.040301>

Ohlasy:

1. [1.1] ANNABESTANI, Mostafa. Asymptotic reduced density matrix of discrete-time quantum walks. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2020, vol. 53, no. 15, 155303., Registrované v: WOS
2. [1.1] CIAMPINI, Mario A. - VIGLIAR, Caterina - CIMINI, Valeria - et al. Experimental nonlocality-based network diagnostics of multipartite entangled states. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2017, vol. 7, 17122., Registrované v: WOS
3. [1.1] CIAMPINI, Mario A. - VIGLIAR, Caterina - CIMINI, Valeria - et al. Experimental nonlocality-based network diagnostics of multipartite entangled states. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2017, vol. 7, 17122., Registrované v: WOS
4. [1.1] COTTRELL, Seth S. Finding structural anomalies in star graphs using quantum walks: a general approach. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2015, vol. 49, no. 3, 035304., Registrované v: WOS
5. [1.1] KOCH, Daniel. Scattering quantum random walks on square grids and randomly generated mazes. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 99, no. 1, 012330., Registrované v: WOS
6. [1.1] LIU YAN-MEI - CHEN HAN-WU - LIU ZHI-HAO - XUE XI-LING - ZHU WAN-NING. Scattering quantum walk search algorithm on star graph. In ACTA PHYSICA SINICA. ISSN 1000-3290, 2015, vol. 64, no. 1, 010301., Registrované v: WOS
7. [1.1] SADOWSKI, Przemyslaw - MISZCZAK, Jaroslaw Adam - OSTASZEWSKI, Mateusz. Lively quantum walks on cycles. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2016, vol. 49, no. 37, 375302., Registrované v: WOS
8. [1.1] STEFANAK, M. - SKOUPY, S. Perfect state transfer by means of discrete-time quantum walk search algorithms on highly symmetric graphs. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 94, no. 2, 022301., Registrované v: WOS
9. [1.1] STEFANAK, M. - SKOUPY, S. Perfect state transfer by means of discrete-time quantum walk on complete bipartite graphs. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2017, vol. 16, no. 3, UNSP 72., Registrované v: WOS
10. [1.1] STEFANAK, M. - SKOUPY, S. Perfect state transfer by means

of discrete-time quantum walk on complete bipartite graphs. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2017, vol. 16, no. 3, UNSP 72., Registrované v: WOS

11. [1.1] XUE XI-LING - CHEN HAN-WU - LIU ZHI-HAO - ZHANG BIN-BIN. Search algorithm of structure anomalies in complete graph based on scattering quantum walk. In ACTA PHYSICA SINICA. ISSN 1000-3290, 2016, vol. 65, no. 8, 080302., Registrované v: WOS

12. [1.1] XUE, Xiling - CHEN, Hanwu - LIU, Zhihao. Finding structural anomalies in complete graphs using scattering quantum walks. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION. ISSN 0219-7499, 2016, vol. 14, no. 7, 1650035., Registrované v: WOS

13. [1.1] XUE, Xi-Ling - LIU, Zhi-Hao - CHEN, Han-Wu. Search algorithm on strongly regular graphs based on scattering quantum walks. In CHINESE PHYSICS B. ISSN 1674-1056, 2017, vol. 26, no. 1, 010301., Registrované v: WOS

14. [1.1] XUE, Xi-Ling - LIU, Zhi-Hao - CHEN, Han-Wu. Search algorithm on strongly regular graphs based on scattering quantum walks. In CHINESE PHYSICS B. ISSN 1674-1056, 2017, vol. 26, no. 1, 010301., Registrované v: WOS

ADCA303 FERNANDEZ, J.F. - WIDOM, M. - CUEVAS, F. - ARES, J.R. - BODEGA, J. - LEARDINI, F. - MIHALKOVIČ, Marek - SANCHEZ, C. First-principles phase stability calculations and estimation of finite temperature effects on pseudo-binary Mg-6(PdxNi1-x) compounds. In *Intermetallics*, 2011, vol. 19, no. 4, p. 502-510. (2010: 2.335 - IF, Q1 - JCR, 1.573 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 0966-9795. Dostupné na: <https://doi.org/2-s2.0-78751643712>

Ohlasy:

1. [1.1] BOOM, R. - DE BOER, F. R. Enthalpy of formation of binary solid and liquid Mg alloys Comparison of Miedema-model calculations with data reported in literature. In CALPHAD-COMPUTER COUPLING OF PHASE DIAGRAMS AND THERMOCHEMISTRY. ISSN 0364-5916, 2020, vol. 68, 101647., Registrované v: WOS

2. [1.1] DELSANTE, S. - NOVAKOVIC, R. - GAGLIOLO, A. - BORZONE, G. Thermodynamic investigation on the Mg-Pd intermetallic phases. In JOURNAL OF CHEMICAL THERMODYNAMICS. ISSN 0021-9614, 2019, vol. 139, UNSP 105890., Registrované v: WOS

ADCA304 FERRARA, E. - STANTERO, A. - TIBERTO, P. - BARICCO, M. - JANIČKOVIČ, Dušan - KUBIČÁR, Ľudovít - DUHAJ, Pavol. Magnetic properties and surface roughness of Fe₆₄Co₂₁B₁₅ amorphous ribbons quenched from different melt temperatures. In *Materials Science and Engineering A*, 1997, vol. 226, p. 326-330. (1996: 0.852 - IF, Current Contents - CCC). (1997 - Current Contents, WOS, SCOPUS). ISSN 0921-5093.

Ohlasy:

1. [1.1] GHEIRATMAND, T. - HOSSEINI, H. R. Madaah. Finemet nanocrystalline soft magnetic alloy: Investigation of glass forming ability, crystallization mechanism, production techniques, magnetic softness and the effect of replacing the main constituents by other elements. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2016, vol.

408, pp. 177-192., Registrované v: WOS

2. [1.1] LOTFOLLAHI, Z. - GARCIA-ARRIBAS, A. - AMIRABADIZADEH, A. - et al. Comparative study of magnetic and magnetoimpedance properties of CoFeSiB-based amorphous ribbons of the same geometry with Mo or W additions. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2017, vol. 693, pp. 767-776., Registrované v: WOS

3. [1.1] OZTURK, Sultan - ICIN, Kursat - GENCTURK, Merve - GOBULUK, Metin - TOPAL, Ugur - SVEC, Peter. Surface and structural characterization of amorphous Fe,Co-based melt-spun ribbons subjected to heat treatment processes. In JOURNAL OF NON-CRYSTALLINE SOLIDS. ISSN 0022-3093, 2019, vol. 522, UNSP 119592., Registrované v: WOS

4. [1.1] WANG, Xianglong - LIU, Zhenyu - LI, Haoze - et al. Microstructural evolution in warm-rolled and cold-rolled strip cast 6.5 wt% Si steel thin sheets and its influence on magnetic properties. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2017, vol. 433, pp. 8-16., Registrované v: WOS

ADCA305 FEUERBACHER, M. - THOMAS, C. - MAKONGO, J.P.A. - HOFFMANN, S. - CARRILLO-CABRERA, W. - CARDOSO, R. - GRIN, Y. - KREINER, G. - JOUBERT, J.M. - SCHENK, T. - GASTALDI, J. - NGUYEN-THI, H. - MANGELINCK-NOEL, N. - BILLIA, B. - DONNADIEU, P. - CZYRSKA-FILEMONOWICZ, A. - ZIELINSKA-LIPIEC, A. - DUBIEL, B. - WEBER, T. - SCHAUB, P. - KRAUSS, G. - GRAMLICH, V. - CHRISTENSEN, J. - LLIDIN, S. - FREDERICKSON, D. - MIHALKOVIČ, Marek - SIKORA, W. - MALINOWSKI, J. - BRUHNE, S. - PROFFEN, T. - ASSMUS, W. - DE BOISSIEU, M. - BLEY, F. The samson phase, beta-Mg₂Al₃, revisited. In *Zeitschrift für Kristallographie*, 2007, vol. 222, no. 6, p. 259-288. (2006: 1.897 - IF, Q2 - JCR, 0.948 - SJR, Q1 - SJR, Current Contents - CCC). (2007 - Current Contents). ISSN 0044-2968. Dostupné na: <https://doi.org/10.1524/zkri.2007.222.6.259>

Ohlasy:

1. [1.1] AKHMETSHINA, Tatiana G. - BLATOV, Vladislav A. - PROSERPIO, Davide M. - SHEVCHENKO, Alexander P. Topology of Intermetallic Structures: From Statistics to Rational Design. In ACCOUNTS OF CHEMICAL RESEARCH. ISSN 0001-4842, 2018, vol. 51, no. 1, pp. 21-30., Registrované v: WOS

2. [1.1] BISWAS, Prosanta - BISWAS, Apratim - BHANDARI, Rahul - MONDAL, Manas Kumar. Microstructure, mechanical properties and fracture behavior of in-situ Al-5Mg-Al₄Sr composites. In MATERIALS TODAY COMMUNICATIONS. ISSN 2352-4928, 2018, vol. 15, pp. 190-198., Registrované v: WOS

3. [1.1] DAS, Sambit - IYER, Mrinal - GAVINI, Vikram. Real-space formulation of orbital-free density functional theory using finite-element discretization: The case for Al, Mg, and Al-Mg intermetallics. In PHYSICAL REVIEW B. ISSN 2469-9950, 2015, vol. 92, no. 1, 014104., Registrované v: WOS

4. [1.1] DEGTYAREVA, Valentina F. - AFONIKOVA, Natalia S. Structurally Complex Frank-Kasper Phases and Quasicrystal Approximants: Electronic Origin of Stability. In CRYSTALS. ISSN 2073-4352, 2017, vol. 7, no. 12, 359., Registrované v: WOS

5. [1.1] DELACOTTE, C. - WHITEHEAD, G. F. S. - PITCHER, M. J. - ROBERTSON, C. M. - SHARP, P. M. - DYER, M. S. - ALARIA, J. - CLARIDGE, J. B. - DARLING, G. R. - ALLAN, D. R. - WINTER, G. - ROSSEINSKY, M. J. Structure determination and crystal chemistry of large repeat mixed-layer hexaferrites. In IUCRJ. ISSN 2052-2525, 2018, vol. 5, pp. 681-698., Registrované v: WOS
6. [1.1] DOLINSEK, Janez. Electronic transport properties of complex intermetallics. In CRYSTAL GROWTH OF INTERMETALLICS, 2019, pp. 261-278., Registrované v: WOS
7. [1.1] DSHEMUCHADSE, Julia. Complex intermetallics structures and properties". In ZEITSCHRIFT FÜR KRISTALLOGRAPHIE-CRYSTALLINE MATERIALS. ISSN 2194-4946, 2017, vol. 232, no. 7-9, pp. 485-486., Registrované v: WOS
8. [1.1] FANG, Xuewei - ZHANG, Lijuan - CHEN, Guopeng - DANG, Xiaofeng - HUANG, Ke - WANG, Lei - LU, Bingheng. Correlations between Microstructure Characteristics and Mechanical Properties in 5183 Aluminium Alloy Fabricated by Wire-Arc Additive Manufacturing with Different Arc Modes. In MATERIALS. ISSN 1996-1944, 2018, vol. 11, no. 11, 2075., Registrované v: WOS
9. [1.1] FEIG, Manuel - AKSELRUD, Lev - SCHNELLE, Walter - DYADKIN, Vadim - CHERNYSHOV, Dmitry - ORMECI, Alim - SIMON, Paul - LEITHE-JASPER, Andreas - GUMENIUK, Roman. Crystal structure, chemical bonding, and electrical and thermal transport in Sc₅Rh₆Sn₁₈. In DALTON TRANSACTIONS. ISSN 1477-9226, 2020, vol. 49, no. 20, pp. 6832-6841., Registrované v: WOS
10. [1.1] FEI, Y. - HUANG, Ch - LIU, H. The Phase Composition and Mechanical Properties of Al₂O₃-TiN-TiC Ceramic Materials with Different Ni Content. In JOURNAL OF CERAMIC SCIENCE AND TECHNOLOGY. ISSN 2190-9385, 2019, vol. 10, no. 2., Registrované v: WOS
11. [1.1] FOLEY, Daniel L. - LEFF, Asher C. - LANG, Andrew C. - TAHERI, Mitra L. Evolution of beta-phase precipitates in an aluminum-magnesium alloy at the nanoscale. In ACTA MATERIALIA. ISSN 1359-6454, 2020, vol. 185, pp. 279-286., Registrované v: WOS
12. [1.1] GULEC, Ahmet - YU, Xiaoxiang - TAYLOR, Matthew - PEREPEZKO, John H. - MARKS, Laurence. Direct observation of incommensurate structure in Mo₃Si. In ACTA CRYSTALLOGRAPHICA A-FOUNDATION AND ADVANCES. ISSN 2053-2733, 2016, vol. 72, no., pp. 660-666., Registrované v: WOS
13. [1.1] HUANG, Dandan - LIU, Shuhong - DU, Yong. Modeling on the molar volume of the Al-Cu-Mg-Si system. In CALPHAD-COMPUTER COUPLING OF PHASE DIAGRAMS AND THERMOCHEMISTRY. ISSN 0364-5916, 2020, vol. 68, 101693., Registrované v: WOS
14. [1.1] CHAI, Ping - ABRAMCHUK, Mykola - SHATRUK, Michael. Synthesis, Crystal Structure, and Magnetic Properties of Giant Unit Cell Intermetallics R₁₁₇Co_{52+delta}Sn_{112+gamma} (R = Y, La, Pr, Nd, Ho). In CRYSTALS. ISSN 2073-4352, 2016, vol. 6, no. 12, 165., Registrované v: WOS
15. [1.1] LIU, J. - MUDRYK, Y. - RYAN, D. H. - PECHARSKY, V. K. On the edge of periodicity: Unconventional magnetism of Gd₁₁₇Co_{56.4}Sn_{114.3}. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2017, vol. 726, pp. 758-764., Registrované v: WOS

16. [1.1] LU, Zhao - ZHANG, Lijun. Thermal stability and crystal structure of high-temperature compound $\text{Al}_{13}\text{CeMg}_6$. In INTERMETALLICS. ISSN 0966-9795, 2017, vol. 88, pp. 73-76., Registrované v: WOS
17. [1.1] LV, Shuhui - LU, Xiaoling - LI, Yanwei - MENG, Fanzhi - HUA, Xiru - YANG, Qiang - QIU, Xin - MENG, Jian - DUAN, Qian. Crystallographic orientation relationships between the aggregated intermetallic phases in a casting Mg-Ag-Al alloy. In MATERIALS & DESIGN. ISSN 0264-1275, 2020, vol. 190, 108561., Registrované v: WOS
18. [1.1] MENG, Fanzhi - LV, Shuhui - QIU, Xin - YANG, Qiang - MENG, Jian - DUAN, Qian. Interphase precipitation in an Ag-modified Mg-Al-La casting alloy. In MATERIALS CHARACTERIZATION. ISSN 1044-5803, 2020, vol. 161, 110144., Registrované v: WOS
19. [1.1] MIZUTANI, Uichiro - SATO, Hirokazu. The Physics of the Hume-Rothery Electron Concentration Rule. In CRYSTALS. ISSN 2073-4352, 2017, vol. 7, no. 1, 9., Registrované v: WOS
20. [1.1] MONTAGNE, Pierre - TILLARD, Monique. Mg_2Al_3 , a complex and disordered intermetallic compound as anode material for metal-air batteries. In JOURNAL OF SOLID STATE ELECTROCHEMISTRY. ISSN 1432-8488, 2015, vol. 19, no. 3, pp. 685., Registrované v: WOS
21. [1.1] MONTAGNE, Pierre - TILLARD, Monique. On the adaptability of 1/1 cubic approximant structure in the Mg-Al-Zn system with the particular example of $\text{Mg}_{32}\text{Al}_{12}\text{Zn}_{37}$. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2016, vol. 656, no., pp. 159-165., Registrované v: WOS
22. [1.1] NAKAYAMA, Kei - NAKAGAWA, Masaya - KOYAMA, Yasumasa. Possible nucleus of the Bergman cluster in the Zn-Mg-Y alloy system. In PHILOSOPHICAL MAGAZINE. ISSN 1478-6435, 2018, vol. 98, no. 3, pp. 219-236., Registrované v: WOS
23. [1.1] NAKAYAMA, Kei - TSURUTA, Hijiri - KOYAMA, Yasumasa. Formation of giant atomic clusters in the beta-Samson ($\beta\text{-Al}_3\text{Mg}_2$) phase of the Al-Mg alloy system. In ACTA MATERIALIA. ISSN 1359-6454, 2017, vol. 128, pp. 249-257., Registrované v: WOS
24. [1.1] OGANOV, Artem R. Crystal structure prediction: reflections on present status and challenges. In FARADAY DISCUSSIONS. ISSN 1359-6640, 2018, vol. 211, pp. 643-660., Registrované v: WOS
25. [1.1] OVCHINNIKOV, Alexander - SMETANA, Volodymyr - MUDRING, Anja-Verena. Metallic alloys at the edge of complexity: structural aspects, chemical bonding and physical properties*. In JOURNAL OF PHYSICS-CONDENSED MATTER. ISSN 0953-8984, 2020, vol. 32, no. 24, 243002., Registrované v: WOS
26. [1.1] PANKOVA, Arina A. - AKHMETSHINA, Tatiana G. - BLATOV, Vladislav A. - PROSERPIO, Davide M. A Collection of Topological Types of Nanoclusters and Its Application to Icosahedron-Based Intermetallics. In INORGANIC CHEMISTRY. ISSN 0020-1669, 2015, vol. 54, no. 13, pp. 6616., Registrované v: WOS
27. [1.1] RAMEZANALIZADEH, H. - EMAMY, M. - SHOKOUHIMEHR, M. Wear Behavior of Al/CMA-Type Al_3Mg_2 Nanocomposites Fabricated by Mechanical Milling and Hot Extrusion. In TRIBOLOGY TRANSACTIONS. ISSN 1040-2004, 2016, vol. 59, no. 2, pp. 219-228., Registrované v: WOS
28. [1.1] SANAMAR, Soheil - BROKMEIER, Heinz-Guenter -

SCHELL, Norbert. Phase evolution of Al-Mg metal matrix composites during low temperature annealing at 200 degrees C and 250 degrees C. In INTERMETALLICS. ISSN 0966-9795, 2020, vol. 124, 106862., Registrované v: WOS

29. [1.1] WANG, Jin - LI, Xinxin - LIU, Dan - QIN, Jingyu. The investigation on a universal local structural feature in Mg-Al alloys. In COMPUTATIONAL MATERIALS SCIENCE. ISSN 0927-0256, 2017, vol. 140, pp. 224-234., Registrované v: WOS

30. [1.1] WANG, Yin - AL-ZUBAIDY, Basem - PRANGNELL, Philip B. The Effectiveness of Al-Si Coatings for Preventing Interfacial Reaction in Al-Mg Dissimilar Metal Welding. In METALLURGICAL AND MATERIALS TRANSACTIONS A-PHYSICAL METALLURGY AND MATERIALS SCIENCE. ISSN 1073-5623, 2018, vol. 49A, no. 1, pp. 162-176., Registrované v: WOS

31. [1.1] YI, Gaosong - LITTRELL, Kenneth C. - POPLAWSKY, Jonathan D. - CULLEN, David A. - SUNDBERG, Erik - FREE, Michael L. Characterization of the effects of different tempers and aging temperatures on the precipitation behavior of Al-Mg (5.25 at.%) - Mn alloys. In MATERIALS & DESIGN. ISSN 0264-1275, 2017, vol. 118, pp. 22-35., Registrované v: WOS

32. [1.1] ZHANG, R. - ZHANG, Y. - YAN, Y. - THOMAS, S. - DAVIES, C. H. J. - BIRBILIS, N. The effect of reversion heat treatment on the degree of sensitisation for aluminium alloy AA5083. In CORROSION SCIENCE. ISSN 0010-938X, 2017, vol. 126, pp. 324-333., Registrované v: WOS

33. [1.1] ZHOU, Yuli - ZHU, Yanglin - ZHU, Yunfeng - LI, Liquan. Phase transformation, kinetics and thermodynamics during the combustion synthesis of Mg₂Al₃ alloy. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2015, vol. 628, pp. 257., Registrované v: WOS

34. [1.1] ZHUANG, Houlong L. - CHEN, Mohan - CARTER, Emily A. Orbital-free density functional theory characterization of the beta '-Mg₂Al₃ Samson phase. In PHYSICAL REVIEW MATERIALS. ISSN 2475-9953, 2018, vol. 2, no. 7, 073603., Registrované v: WOS

ADCA306 FIDRÍKOVÁ, Danica - GREIF, V. - DIEŠKA, P. - ŠTOFANIK, Vladimír, 1975- - KUBIČÁR, Ľudovít - VLČKO, J. Monitoring of the temperature-moisture regime in St. Martin 's Cathedral tower in Bratislava. In *Environmental Earth Sciences*, 2013, vol. 69, no. 4, p. 1481-1489. (2012: 1.445 - IF, Q2 - JCR, 0.620 - SJR, Current Contents - CCC). (2013 - Current Contents). ISSN 1866-6280. Dostupné na: <https://doi.org/10.1007/s12665-012-2160-7>

Ohlasy:

1. [1.1] AGLIATA, Rosa - GRECO, Roberto - MOTTO, Luigi. Moisture Measurements in Heritage Masonries: A Review of Current Techniques. In MATERIALS EVALUATION. ISSN 0025-5327, 2018, vol. 76, no. 11, pp. 1478-1487., Registrované v: WOS

2. [1.1] CIESLIKIEWICZ, Lukasz - LAPKA, Piotr - MIROWSKI, Radoslaw. In Situ Monitoring of Drying Process of Masonry Walls. In ENERGIES, 2020, vol. 13, no. 23, 6190., Registrované v: WOS

3. [1.1] NAKONIECZNA, Anna - KAFARSKI, Marcin - WILCZEK, Andrzej - SZYPLAWSKA, Agnieszka - JANIĆ, Grzegorz - ALBERT, Małgorzata - SKIERUCHA, Wojciech. Detection of Atmospheric Water Deposits in Porous Media Using the TDR Technique. In SENSORS. ISSN 1424-8220,

2015, vol. 15, no. 4, pp. 8464., Registrované v: WOS

4. [1.1] WEISS, Tomas - SLAVIK, Martin - BRUTHANS, Jiri. Use of sodium fluorescein dye to visualize the vaporization plane within porous media. In JOURNAL OF HYDROLOGY. ISSN 0022-1694, 2018, vol. 565, pp. 331-340., Registrované v: WOS

ADCA307 FIDRÍKOVÁ, Danica - GREIF, V. - DIEŠKA, P. - ŠTOFANIK, Vladimír, 1975- - KUBIČÁR, Ľudovít - VLČKO, J. Monitoring of the temperature-moisture regime in St. Martin's Cathedral tower in Bratislava. In *Environmental Earth Sciences*, 2013, vol. 69, no. 4, sI, pp. 1481-1489. (2012: 1.445 - IF, Q2 - JCR, 0.620 - SJR, Current Contents - CCC). (2013 - Current Contents). ISSN 1866-6280. Dostupné na: <https://doi.org/10.1007/s12665-012-2160-7>

Ohlasy:

1. [1.1] IGAZ, Rastislav - KRISTAK, Lubos - RUZIAK, et al. Thermophysical Properties of OSB Boards versus Equilibrium Moisture Content. In BIORESOURCES. ISSN 1930-2126, 2017, vol. 12, no. 4, pp. 8106-8118., Registrované v: WOS

ADCA308 FIDRÍKOVÁ, Danica - VRETENÁR, Viliam - ŠIMKOVÁ, I. - GREIF, V. - VLČKO, J. - DIEŠKA, P. - KUBIČÁR, Ľudovít. Sensor for monitoring the moisture in porous materials. In *International Journal of Thermophysics*, 2013, vol. 34, no. 10, p. 1918-1929. (2012: 0.568 - IF, Q3 - JCR, 0.371 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 0195-928X. Dostupné na: <https://doi.org/10.1007/s10765-013-1493-0>

Ohlasy:

1. [1.1] IGAZ, Rastislav - KRISTAK, Lubos - RUZIAK, Ivan - et al. Thermophysical Properties of OSB Boards versus Equilibrium Moisture Content. In BIORESOURCES. ISSN 1930-2126, 2017, vol. 12, no. 4, pp. 8106-8118., Registrované v: WOS

2. [1.1] KRISTAK, Lubos - IGAZ, Rastislav - RUZIAK, Ivan. Applying the EDPS Method to the Research into Thermophysical Properties of Solid Wood of Coniferous Trees. In ADVANCES IN MATERIALS SCIENCE AND ENGINEERING. ISSN 1687-8434, 2019, vol. 2019, 2303720., Registrované v: WOS

3. [1.1] NAKONIECZNA, Anna - KAFARSKI, Marcin - WILCZEK, Andrzej - SZYPOLOWSKA, Agnieszka - JANIK, Grzegorz - ALBERT, Malgorzata - SKIERUCHA, Wojciech. Detection of Atmospheric Water Deposits in Porous Media Using the TDR Technique. In SENSORS. ISSN 1424-8220, 2015, vol. 15, no. 4, pp. 8464., Registrované v: WOS

4. [1.1] SCHOENFISCH, David - GOEDEL, Michael - BLINN, Joerg - HEYDE, Christian - SCHLARB, Heiko - DEFERME, Wim - PICARD, Antoni. New Type of Thermal Moisture Sensor for in-Textile Measurements. In PHYSICA STATUS SOLIDI A-APPLICATIONS AND MATERIALS SCIENCE. ISSN 1862-6300, 2019, vol. 216, no. 12, 1800765., Registrované v: WOS

5. [1.1] SCHOENFISCH, David - GOEDEL, Michael - BLINN, Joerg - HEYDE, Christian - SCHLARB, Heiko - DEFERME, Wim - PICARD, Antoni. Miniaturized and Thermal-Based Measurement System to Measure Moisture in Textile Materials. In PHYSICA STATUS SOLIDI A-APPLICATIONS AND

ADCA309 FILIP, Peter. Elliptic flow in central collisions of deformed nuclei. In *Physics of Atomic Nuclei*, 2008, vol. 71, no. 9, p. 1609-1618. (2007: 0.515 - IF, Q4 - JCR, 0.358 - SJR, Q3 - SJR). ISSN 1063-7788. Dostupné na:
<https://doi.org/10.1134/S1063778808090172>

Ohlasy:

1. [1.1] BOZEK, Piotr - BRONIOWSKI, Wojciech - RYBCZYNSKI, Maciej. Wounded quarks in A plus A, p plus A, and p plus p collisions. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2016, vol. 94, no. 1, 014902., Registrované v: WOS
2. [1.1] BOZEK, Piotr - BRONIOWSKI, Wojciech - RYBCZYNSKI, Maciej - STEFANEK, Grzegorz. GLISSANDO 3: GLauber Initial-State Simulation AND mOre, ver. 3. In *COMPUTER PHYSICS COMMUNICATIONS*. ISSN 0010-4655, 2019, vol. 245, UNSP 106850., Registrované v: WOS
3. [1.1] SHEN, Chun - QIU, Zhi - SONG, Huichao - BERNHARD, Jonah - BASS, Steffen - HEINZ, Ulrich. The iEBE-VISHNU code package for relativistic heavy-ion collisions. In *COMPUTER PHYSICS COMMUNICATIONS*. ISSN 0010-4655, 2016, vol. 199, pp. 61-85., Registrované v: WOS

ADCA310 FILIP, Peter - LEDNICKY, R. - MASUI, H. - XU, N. Initial eccentricity in deformed Au-197+Au-197 and U-238+U-238 collisions at s(NN)=200 GeV at the BNL Relativistic Heavy Ion Collider. In *Physical Review C*, 2009, vol. 80, no. 5, 054903. (2008: 3.124 - IF, 2.417 - SJR, Q1 - SJR, Current Contents - CCC). (2009 - Current Contents, SCOPUS). ISSN 2469-9985. Dostupné na:
<https://doi.org/10.1103/PhysRevC.80.054903>

Ohlasy:

1. [1.1] BEHERA, Arabinda - NIE, Maowu - JIA, Jiangyong. Longitudinal eccentricity decorrelations in heavy-ion collisions. In *PHYSICAL REVIEW RESEARCH*, 2020, vol. 2, no. 2, 023362., Registrované v: WOS
2. [1.1] BLOCZYNSKI, John - HUANG, Xu-Guang - ZHANG, Xilin - LIAO, Jinfeng. Charge-dependent azimuthal correlations from AuAu to UU collisions. In *NUCLEAR PHYSICS A*. ISSN 0375-9474, 2015, vol. 939, pp. 85., Registrované v: WOS
3. [1.1] BOZEK, Piotr - BRONIOWSKI, Wojciech - RYBCZYNSKI, Maciej - STEFANEK, Grzegorz. GLISSANDO 3: GLauber Initial-State Simulation AND mOre, ver. 3. In *COMPUTER PHYSICS COMMUNICATIONS*. ISSN 0010-4655, 2019, vol. 245, UNSP 106850., Registrované v: WOS
4. [1.1] BOZEK, P. In *PHYSICAL REVIEW C*, 2016, vol. 94, no. 1, 014902., Registrované v: WOS
5. [1.1] GIACALONE, Giuliano. Constraining the quadrupole deformation of atomic nuclei with relativistic nuclear collisions. In *PHYSICAL REVIEW C*. ISSN 0556-2813, 2020, vol. 102, no. 2, 024901., Registrované v: WOS
6. [1.1] GOLDSCHMIDT, Andy - QIU, Zhi - SHEN, Chun - HEINZ, Ulrich. Collision geometry and flow in uranium plus uranium collisions. In

PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 92, no. 4, 044903.,
Registrované v: WOS

7. [1.1] CHATURVEDI, O. S. K. - SRIVASTAVA, P. K. - KUMAR, Ashwini - et al. Study of charged particle production in U-U collisions in the wounded quark model. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2017, vol. 132, no. 10, 430., Registrované v: WOS

8. [1.1] KUNDU, Sourav - MALLICK, Dukhishyam - MOHANTY, Bedangadas. Study of charged particle multiplicity, average transverse momentum and azimuthal anisotropy in Xe plus Xe collisions at $\sqrt{s(NN)}=5.44$ TeV using AMPT model. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2019, vol. 55, no. 9, 157., Registrované v: WOS

9. [1.1] LIAO, Jinfeng. Anomalous transport effects and possible environmental symmetry violation in heavy-ion collisions. In PRAMANA-JOURNAL OF PHYSICS. ISSN 0304-4289, 2015, vol. 84, no. 5, pp. 901., Registrované v: WOS

10. [1.1] SHEN, Ch. In COMPUTER PHYSICS COMMUNICATIONS, 2016, vol. 199, p. 61., Registrované v: WOS

11. [1.1] SHOU, Q. Y. - MA, Y. G. - SORENSEN, P. - TANG, A. H. - VIDEBAEK, F. - WANG, H. Parameterization of deformed nuclei for Glauber modeling in relativistic heavy ion collisions. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 749, pp. 215., Registrované v: WOS

12. [1.1] SCHENKE, Bjorn - SHEN, Chun - TRIBEDY, Prithwish. Multiparticle and charge-dependent azimuthal correlations in heavy-ion collisions at the Relativistic Heavy-Ion Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 4, 044908., Registrované v: WOS

13. [1.1] SCHENKE, Bjorn - SHEN, Chun - TRIBEDY, Prithwish. Running the gamut of high energy nuclear collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2020, vol. 102, no. 4, 044905., Registrované v: WOS

14. [1.1] WELSH, K. In PHYSICAL REVIEW C, 2016, vol. 94, 024919., Registrované v: WOS

15. [1.1] ZAKHAROV, B. G. Monte Carlo Glauber wounded nucleon model with meson cloud. In JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS. ISSN 1063-7761, 2017, vol. 124, no. 6, pp. 860-876., Registrované v: WOS

ADCA311 FILIPPOV, S.N. - ZIMAN, Mário. Bipartite entanglement-annihilating maps: necessary and sufficient conditions. In *Physical Review A*, 2013, vol. 88, no. 3, 032316. (2012: 3.042 - IF, Q1 - JCR, 2.519 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.88.032316>

Ohlasy:

1. [1.1] LAMI, Ludovico - HUBER, Marcus. Bipartite depolarizing maps. In JOURNAL OF MATHEMATICAL PHYSICS. ISSN 0022-2488, 2016, vol. 57, no. 9, 092201., Registrované v: WOS

2. [1.1] MILAZZO, N. - BRAUN, D. - GIRAUD, O. Truncated moment sequences and a solution to the channel separability problem. In PHYSICAL REVIEW A. ISSN 2469-9926, 2020, vol. 102, no. 5, 052406., Registrované v: WOS

3. [1.1] MUELLER-HERMES, Alexander - REEB, David - WOLF, Michael M. Positivity of linear maps under tensor powers. In JOURNAL OF

MATHEMATICAL PHYSICS. ISSN 0022-2488, 2016, vol. 57, no. 1, 015202.,
Registrované v: WOS

4. [1.1] SIMIDZIJA, Petar - JONSSON, Robert H. -
MARTIN-MARTINEZ, Eduardo. General no-go theorem for entanglement
extraction. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 12,
125002., Registrované v: WOS

ADCA312 FILIPPOV, S.N. - MELNIKOV, A.A. - ZIMAN, Mário. Dissociation and
annihilation of multipartite entanglement structure in dissipative quantum dynamics.
In *Physical Review A*, 2013, vol. 88, no. 6, 062328. (2012: 3.042 - IF, Q1 - JCR,
2.519 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS,
SCOPUS). ISSN 1050-2947. Dostupné na:
<https://doi.org/10.1103/PhysRevA.88.062328>

Ohlasy:

1. [1.1] ALI, Mazhar. Decoherence of genuine multipartite entanglement
for local non-Markovian-Lorentzian reservoirs. In CHINESE PHYSICS B. ISSN
1674-1056, 2015, vol. 24, no. 12, 120303., Registrované v: WOS

2. [1.1] ALI, Mazhar. Qubit-Qutrit (2 circle times 3) Quantum Systems:
an Investigation of Some Quantum Correlations Under Collective Dephasing. In
BRAZILIAN JOURNAL OF PHYSICS. ISSN 0103-9733, 2020, vol. 50, no. 2,
pp. 124-135., Registrované v: WOS

3. [1.1] ALI, Mazhar. Time-invariant entanglement and sudden death of
nonlocality for multipartite systems under collective dephasing. In EUROPEAN
PHYSICAL JOURNAL D. ISSN 1434-6060, 2017, vol. 71, no. 1, 1.,
Registrované v: WOS

4. [1.1] AOLITA, Leandro - DE MELO, Fernando - DAVIDOVICH,
Luiz. Open-system dynamics of entanglement: a key issues review. In REPORTS
ON PROGRESS IN PHYSICS. ISSN 0034-4885, 2015, vol. 78, no. 4, 042001.,
Registrované v: WOS

5. [1.1] MAZHAR, Ali. Robustness of Genuine Tripartite Entanglement
under Collective Dephasing. In CHINESE PHYSICS LETTERS. ISSN
0256-307X, 2015, vol. 32, no. 6, 060302., Registrované v: WOS

6. [1.1] MELNIKOV, Alexey A. - ALODJANTS, Aleksandr P. -
FEDICHKIN, Leonid E. Hitting time for quantum walks of identical particles. In
INTERNATIONAL CONFERENCE ON MICRO- AND
NANO-ELECTRONICS 2018. ISSN 0277-786X, 2019, vol. 11022, UNSP
110222J., Registrované v: WOS

7. [1.1] MUELLER-HERMES, Alexander - REEB, David - WOLF,
Michael M. Positivity of linear maps under tensor powers. In JOURNAL OF
MATHEMATICAL PHYSICS. ISSN 0022-2488, 2016, vol. 57, no. 1, 015202.,
Registrované v: WOS

ADCA313 FILIPPOV, S.N. - PILO, J. - MANISCALCO, S. - ZIMAN, Mário.
Divisibility of quantum dynamical maps and collision models. In *Physical Review A*,
2017, vol. 96, no. 3, 032111. (2016: 2.925 - IF, Q1 - JCR, 1.482 - SJR, Q1 - SJR,
Current Contents - CCC). (2017 - Current Contents). ISSN 1050-2947. Dostupné na:
<https://doi.org/10.1103/PhysRevA.96.032111>

Ohlasy:

1. [1.1] BEYER, Konstantin - LUOMA, Kimmo - STRUNZ, Walter T.
Collision-model approach to steering of an open driven qubit. In PHYSICAL

REVIEW A. ISSN 2469-9926, 2018, vol. 97, no. 3, 032113., Registrované v: WOS

2. [1.1] BEYER, Konstantin - LUOMA, Kimmo - STRUNZ, Walter T. Steering Heat Engines: A Truly Quantum Maxwell Demon. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 123, no. 25, 250606., Registrované v: WOS

3. [1.1] CAMPBELL, Steve - CICCARELLO, Francesco - PALMA, G. Massimo - VACCHINI, Bassano. System-environment correlations and Markovian embedding of quantum non-Markovian dynamics. In PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 98, no. 1, 012142., Registrované v: WOS

4. [1.1] CILLUFFO, Dario - CAROLLO, Angelo - LORENZO, Salvatore - GROSS, Jonathan A. - PALMA, G. Massimo - CICCARELLO, Francesco. Collisional picture of quantum optics with giant emitters. In PHYSICAL REVIEW RESEARCH, 2020, vol. 2, no. 4, 043070., Registrované v: WOS

5. [1.1] DABROWSKA, Anita Magdalena. From a posteriori to a priori solutions for a two-level system interacting with a single-photon wavepacket. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS. ISSN 0740-3224, 2020, vol. 37, no. 4, pp. 1240-1248., Registrované v: WOS

6. [1.1] KARPAT, G. - YALCINKAYA, I - CAKMAK, B. Quantum synchronization in a collision model. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 1, 012133., Registrované v: WOS

7. [1.1] KOLODYNski, Jan - BRASK, Jonatan Bohr - PERARNAU-LLOBET, Marti - BYLICKA, Bogna. Adding dynamical generators in quantum master equations. In PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 97, no. 6, 062124., Registrované v: WOS

8. [1.1] KORKMAZ, Ufuk - TURKPENCE, Deniz - AKINCI, Tahir Cetin - SEKER, Serhat. A THERMAL QUANTUM CLASSIFIER. In QUANTUM INFORMATION & COMPUTATION. ISSN 1533-7146, 2020, vol. 20, no. 11-12, pp. 969-986., Registrované v: WOS

9. [1.1] MAN, Zhong-Xiao - XIA, Yun-Jie - FRANCO, Rosario Lo. Temperature effects on quantum non-Markovianity via collision models. In PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 97, no. 6, 062104., Registrované v: WOS

10. [1.1] MAN, Zhong-Xiao - XIA, Yun-Jie - LO FRANCO, Rosario. Validity of the Landauer principle and quantum memory effects via collisional models. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 99, no. 4, 042106., Registrované v: WOS

11. [1.1] MAN, Zhong-Xiao - ZHANG, Qi - XIA, Yun-Jie. The effects of system-environment correlations on heat transport and quantum entanglement via collision models. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2019, vol. 18, no. 5, 157., Registrované v: WOS

12. [1.1] MILZ, Simon - KIM, M. S. - POLLOCK, Felix A. - MODI, Kavan. Completely Positive Divisibility Does Not Mean Markovianity. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 123, no. 4, 040401., Registrované v: WOS

13. [1.1] PATHAK, Vijay - SHAJI, Anil. Non-Markovian Open Dynamics from Collision Models. In OPEN SYSTEMS & INFORMATION

DYNAMICS. ISSN 1230-1612, 2019, vol. 26, no. 4, 1950018., Registrované v: WOS

14. [1.1] PUCHALA, Zbigniew - RUDNICKI, Lukasz - ZYCZKOWSKI, Karol. Pauli semigroups and unistochastic quantum channels. In PHYSICS LETTERS A. ISSN 0375-9601, 2019, vol. 383, no. 20, pp. 2376-2381.,

Registrované v: WOS

15. [1.1] SIUDZINSKA, Katarzyna. Geometry of Pauli maps and Pauli channelsbold /bold. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 6, 062331., Registrované v: WOS

16. [1.1] SIUDZINSKA, Katarzyna. Geometry of symmetric and noninvertible Pauli channels. In PHYSICAL REVIEW A. ISSN 2469-9926, 2020, vol. 102, no. 6, 062615., Registrované v: WOS

17. [1.1] TURKPENCE, Deniz - AKINCI, Tahir Cetin - SEKER, Serhat. A steady state quantum classifier. In PHYSICS LETTERS A. ISSN 0375-9601, 2019, vol. 383, no. 13, pp. 1410-1418., Registrované v: WOS

18. [1.1] URIRI, S. A. - WUDARSKI, F. - SINAYSKIY, I - PETRUCCIONE, F. - TAME, M. S. Experimental investigation of Markovian and non-Markovian channel addition. In PHYSICAL REVIEW A. ISSN 2469-9926, 2020, vol. 101, no. 5, 052107., Registrované v: WOS

19. [1.1] ZHANG, Qi - MAN, Zhong-Xiao - XIA, Yun-Jie. Non-Markovianity in the presence of multiple thermal environments via collision model. In PHYSICS LETTERS A. ISSN 0375-9601, 2019, vol. 383, no. 21, pp. 2456-2461., Registrované v: WOS

ADCA314 FILIPPOV, S.N. - ZIMAN, Mário. Entanglement sensitivity to signal attenuation and amplification. In *Physical Review A*, 2014, vol. 90, no. 1, 010301. (2013: 2.991 - IF, Q1 - JCR, 2.317 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.90.010301>

Ohlasy:

1. [1.1] BOHMANN, M. - SEMENOV, A. A. - SPERLING, J. - VOGEL, W. Gaussian entanglement in the turbulent atmosphere. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 94, no. 1, 010302., Registrované v: WOS

2. [1.1] HOFMANN, K. - SEMENOV, A. A. - VOGEL, W. - BOHMANN, M. Quantum teleportation through atmospheric channels. In PHYSICA SCRIPTA. ISSN 0031-8949, 2019, vol. 94, no. 12, 125104., Registrované v: WOS

3. [1.1] HOSSEINIDEHAJ, Nedasadat - MALANEY, Robert. Entanglement generation via non-Gaussian transfer over atmospheric fading channels. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 92, no. 6, 062336., Registrované v: WOS

4. [1.1] HOSSEINIDEHAJ, Nedasadat - BABAR, Zunaira - MALANEY, Robert - NG, Soon Xin - HANZO, Lajos. Satellite-Based Continuous-Variable Quantum Communications: State-of-the-Art and a Predictive Outlook. In IEEE COMMUNICATIONS SURVEYS AND TUTORIALS, 2019, vol. 21, no. 1, pp. 881-919., Registrované v: WOS

5. [1.1] KAISER, F. - FEDRICI, B. - ZAVATTA, A. - D'AURIA, V. - TANZILLI, S. A fully guided-wave squeezing experiment for fiber quantum networks. In OPTICA. ISSN 2334-2536, 2016, vol. 3, no. 4, pp. 362-365.,

Registrované v: WOS

6. [1.1] KIKTENKO, Evgeniy O. - MASTIUKOVA, Alena S. - FEDOROV, Aleksey K. Protecting quantum systems from decoherence with unitary operations. In OPTICAL ENGINEERING. ISSN 0091-3286, 2020, vol. 59, no. 6, 061625., Registrované v: WOS
7. [1.1] KUEHN, B. - VOGEL, W. - SPERLING, J. Displaced photon-number entanglement tests. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 96, no. 3, 032306., Registrované v: WOS
8. [1.1] LEE, Jaehak - PARK, Jiyong - NHA, Hyunchul. Optimal continuous-variable teleportation under energy constraint. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 95, no. 5, 052343., Registrované v: WOS
9. [1.1] SABAPATHY, Krishna Kumar. Quantum-optical channels that output only classical states. In PHYSICAL REVIEW A. ISSN 2469-9926, 2015, vol. 92, no. 5, 052301., Registrované v: WOS
10. [1.1] SPERLING, J. - VOGEL, W. - AGARWAL, G. S. Balanced homodyne detection with on-off detector systems: Observable nonclassicality criteria. In EPL. ISSN 0295-5075, 2015, vol. 109, no. 3, 34001., Registrované v: WOS
11. [1.1] XIANG, Shao-Hua - SONG, Ke-Hui. Non-Gaussian correlation estimates of two-mode hybrid entangled states via cross-Kerr medium and cumulant method. In EUROPEAN PHYSICAL JOURNAL D. ISSN 1434-6060, 2018, vol. 72, no. 10, 185., Registrované v: WOS
12. [1.1] YUAN, Hong-Chun - XU, Xue-Xiang - MENG, Xiang-Guo. Entanglement properties of a tunable non-Gaussian quantum state by virtue of multi-photon conditional measurement. In LASER PHYSICS. ISSN 1054-660X, 2019, vol. 29, no. 11, 115204., Registrované v: WOS

ADCA315 FILIPPOV, S.N. - RYBÁŘ, Tomáš - ZIMAN, Mário. Local two-qubit entanglement-annihilating channels. In *Physical Review A*, 2012, vol. 85, no. 1, 012303. (2011: 2.878 - IF, Q1 - JCR, 2.316 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.85.012303>

Ohlasy:

1. [1.1] ALI, Mazhar. Decoherence of genuine multipartite entanglement for local non-Markovian-Lorentzian reservoirs. In CHINESE PHYSICS B. ISSN 1674-1056, 2015, vol. 24, no. 12, 120303., Registrované v: WOS
2. [1.1] BAI, Zhaofang - DU, Shuanping. MAXIMALLY COHERENT STATES. In QUANTUM INFORMATION & COMPUTATION. ISSN 1533-7146, 2015, vol. 15, no. 15-16, pp. 1355., Registrované v: WOS
3. [1.1] HUANG, Zhiming - SITU, Haozhen - ZHAO, Lianghui. Payoffs and coherence of a quantum two-player game under noisy environment. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2017, vol. 132, no. 4, 152., Registrované v: WOS
4. [1.1] CHRISTANDL, Matthias - MUELLER-HERMES, Alexander - WOLF, Michael M. When Do Composed Maps Become Entanglement Breaking? In ANNALES HENRI POINCARÉ. ISSN 1424-0637, 2019, vol. 20, no. 7, pp. 2295-2322., Registrované v: WOS
5. [1.1] KHATRI, Sumeet - SHARMA, Kunal - WILDE, Mark M. Information-theoretic aspects of the generalized amplitude-damping channel. In

PHYSICAL REVIEW A. ISSN 2469-9926, 2020, vol. 102, no. 1, 012401.,
Registrované v: WOS

6. [1.1] LAMI, Ludovico - HUBER, Marcus. Bipartite depolarizing maps. In JOURNAL OF MATHEMATICAL PHYSICS. ISSN 0022-2488, 2016, vol. 57, no. 9, 092201., Registrované v: WOS

7. [1.1] LAMI, L. - GIOVANNETTI, V. Entanglement-breaking indices. In JOURNAL OF MATHEMATICAL PHYSICS. ISSN 0022-2488, 2015, vol. 56, no. 9, 092201., Registrované v: WOS

8. [1.1] MAZHAR, Ali. Robustness of Genuine Tripartite Entanglement under Collective Dephasing. In CHINESE PHYSICS LETTERS. ISSN 0256-307X, 2015, vol. 32, no. 6, 060302., Registrované v: WOS

9. [1.1] MILAZZO, N. - BRAUN, D. - GIRAUD, O. Truncated moment sequences and a solution to the channel separability problem. In PHYSICAL REVIEW A. ISSN 2469-9926, 2020, vol. 102, no. 5, 052406., Registrované v: WOS

10. [1.1] MUELLER-HERMES, Alexander - REEB, David - WOLF, Michael M. Positivity of linear maps under tensor powers. In JOURNAL OF MATHEMATICAL PHYSICS. ISSN 0022-2488, 2016, vol. 57, no. 1, 015202., Registrované v: WOS

11. [1.1] SHAHAM, A. - HALEVY, A. - DOVRAT, L. - MEGIDISH, E. - EISENBERG, H. S. Entanglement dynamics in the presence of controlled unital noise. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2015, vol. 5, 10796., Registrované v: WOS

12. [1.1] SIMIDZIJA, Petar - JONSSON, Robert H. - MARTIN-MARTINEZ, Eduardo. General no-go theorem for entanglement extraction. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 12, 125002., Registrované v: WOS

13. [1.1] TERETENKOV, A. E. Irreversible quantum evolution with quadratic generator: Review. In INFINITE DIMENSIONAL ANALYSIS QUANTUM PROBABILITY AND RELATED TOPICS. ISSN 0219-0257, 2019, vol. 22, no. 4, 1930001., Registrované v: WOS

ADCA316 FILIPPOV, S.N. - ZIMAN, Mário. Probability-based comparison of quantum states. In *Physical Review A*, 2012, vol. 85, no. 6, 062301. (2011: 2.878 - IF, Q1 - JCR, 2.316 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.85.062301>

Ohlasy:

1. [1.1] HAYASHI, A. - HASHIMOTO, T. - HORIBE, M. Quantum-state comparison and discrimination. In PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 97, no. 5, 052323., Registrované v: WOS

2. [1.1] SHANG, Tao - PEI, Zhuang - CHEN, Ranyiliu - LIU, Jianwei. Quantum Homomorphic Signature with Repeatable Verification. In CMC-COMPUTERS MATERIALS & CONTINUA. ISSN 1546-2218, 2019, vol. 59, no. 1, pp. 149-165., Registrované v: WOS

ADCA317 FILO, J. - PUTALA, M. - GMUCOVÁ, Katarína - JAKABOVIC, J. - WEIS, M. Charge transport in 2,6-bis(5'-hexyl-2,2'-bithiophene-5-yl) naphthalene-based organic devices. In *Synthetic Metals*, 2016, vol. 211, p. 84-88, part C. (2015: 2.299 - IF, Q2 - JCR, 0.624 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current

Contents). ISSN 0379-6779. Dostupné na:
<https://doi.org/10.1016/j.synthmet.2015.10.027>

Ohlasy:

1. [1.1] UNGORDU, Ayhan. Electronic, optical, and charge transfer properties of porphyrin and metallated porphyrins in different media. In INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY. ISSN 0020-7608, 2020, vol. 120, no. 6, Registrované v: WOS
2. [1.1] WANG, Run - QI, Yige - ZHOU, Dianli - YU, Junsheng. Effect of exciton blocking layers on the color-tunable properties of organic light-emitting devices. In SYNTHETIC METALS. ISSN 0379-6779, 2017, vol. 231, pp. 58-64., Registrované v: WOS
3. [1.1] ZHAO, Yong-Yan - SUN, Wu-Ji - WANG, Jia - HE, Jing-Hui - LI, Hua - XU, Qing-Feng - LI, Na-Jun - CHEN, Dong-Yun - LU, Jian-Mei. All-Inorganic Ionic Polymer-Based Memristor for High-Performance and Flexible Artificial Synapse. In ADVANCED FUNCTIONAL MATERIALS. ISSN 1616-301X, 2020, vol. 30, no. 39, 2004245., Registrované v: WOS

ADCA318 FILO, J. - MIŠICÁK - CIGÁŇ, Marek - WEIS, Martin - JAKABOVIČ, J. - GMUCOVÁ, Katarína - PAVUK, M. - DOBROČKA, Edmund - PUTALA, Martin. Oligothiophenes with the naphthalene core for organic thin-film transistors: variation in positions of bithiophenyl attachment to the naphthalene. In *Synthetic Metals*, 2015, vol. 202, p. 73-81. (2014: 2.252 - IF, Q2 - JCR, 0.709 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents). ISSN 0379-6779. Dostupné na: <https://doi.org/10.1016/j.synthmet.2015.01.020>

Ohlasy:

1. [1.1] HAGARA, Jakub - MRKYVKOVA, Nada - FERIANCOVA, Lucia - et al. Novel highly substituted thiophene-based n-type organic semiconductor: structural study, optical anisotropy and molecular control. In CRYSTENGCOMM. ISSN 1466-8033, 2020, vol. 22, no. 42, pp. 7095-7103., Registrované v: WOS
2. [1.1] HASKO, D. - CHO VAN, J. - UHEREK, F. In APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING. MAR 2017, vol. 123, no. 3., Registrované v: WOS
3. [1.1] HOLZER, B. - BINTINGER, J. - LUMPI, D. - CHOI, C. - KIM, Y. - STOGER, B. - HAMETNER, C. - MARCHETTI-DESCHMANN, M. - PLASSER, F. - HORKEL, E. - KYMISSIS, I. - FROHLICH, J. In CHEMPHYSICHEM. MAR 3 2017, vol. 18, no. 5, p. 549-563., Registrované v: WOS
4. [1.1] JABALLAH, N. - CHEMLI, M. - FAVE, J.L. - MAJDOUB, M. In OPTICAL MATERIALS. DEC 2015, vol. 50, B, p. 144-153., Registrované v: WOS
5. [1.1] PAZIN, W. M. - ALMEIDA, A. K. A. - MANZONI, V. - DIAS, J. M. M. - DE ABREU, A. C. F. - NAVARRO, M. - ITO, A. S. - RIBEIRO, A. S. - DE OLIVEIRA, I. N. Thermal and solvatochromic effects on the emission properties of a thienyl-based dansyl derivative. In RSC ADVANCES, 2020, vol. 10, no. 48, pp. 28484-28491., Registrované v: WOS
6. [1.1] ZHAO, Y.G. - SNIECKUS, V. In ORGANIC LETTERS. OCT 2 2015, vol. 17, no. 19, p. 4674-4677., Registrované v: WOS

ADCA319 FLACHBART, Karol - GLOOS, K. - KONOVALOVA, E. - PADERNO, Y. - REIFFERS, Marián - SAMUELY, Peter - ŠVEC, Peter. Energy gap of intermediate-valent SmB₆ studied by point-contact spectroscopy. In *Physical Review B*, 2001, vol. 64, no. 8, art. no. 085104. (2000: 3.065 - IF, Current Contents - CCC). (2001 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.64.085104>

Ohlasy:

1. [1.1] ALLEN, J. W. Foreward for special issue of philosophical magazine on: topological correlated insulators and SmB₆. In *PHILOSOPHICAL MAGAZINE*. ISSN 1478-6435, 2016, vol. 96, no. 31, pp. 3227-3238., Registrované v: WOS
2. [1.1] ARAB, Arian - GRAY, A. X. - NEMSAK, S. - EVTUSHINSKY, D. V. - SCHNEIDER, C. M. - KIM, Dae-Jeong - FISK, Zachary - ROSA, P. F. S. - DURAKIEWICZ, T. - RISEBOROUGH, P. S. Effects of spin excitons on the surface states of SmB₆: A photoemission study. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2016, vol. 94, no. 23, 235125., Registrované v: WOS
3. [1.1] BANSIL, A. - LIN, Hsin - DAS, Tanmoy. Colloquium: Topological band theory. In *REVIEWS OF MODERN PHYSICS*. ISSN 0034-6861, 2016, vol. 88, no. 2, 021004., Registrované v: WOS
4. [1.1] BISWAS, Sangram - HATNEAN, M. Ciomaga - BALAKRISHNAN, G. - BID, Aveek. Probing the interplay between surface and bulk states in the topological Kondo insulator SmB₆ through conductance fluctuation spectroscopy. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2017, vol. 95, no. 20, 205403., Registrované v: WOS
5. [1.1] HARRISON, N. Highly Asymmetric Nodal Semimetal in Bulk Sm B-6. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2018, vol. 121, no. 2, 026602., Registrované v: WOS
6. [1.1] JIAO, Lin - ROESSLER, Sahana - KASINATHAN, Deepa - ROSA, Priscila F. S. - GUO, Chunyu - YUAN, Huiqiu - LIU, Chao-Xing - FISK, Zachary - STEGLICH, Frank - WIRTH, Steffen. Magnetic and defect probes of the SmB₆ surface state. In *SCIENCE ADVANCES*. ISSN 2375-2548, 2018, vol. 4, no. 11., Registrované v: WOS
7. [1.1] JIAO, L. - ROESSLER, S. - KIM, D. J. - TJENG, L. H. - FISK, Z. - STEGLICH, F. - WIRTH, S. Additional energy scale in SmB₆ at low-temperature. In *NATURE COMMUNICATIONS*. ISSN 2041-1723, 2016, vol. 7, 13762., Registrované v: WOS
8. [1.1] LI, Lu - SUN, Kai - KURDAK, Cagliyan - ALLEN, J. W. Emergent mystery in the Kondo insulator samarium hexaboride. In *NATURE REVIEWS PHYSICS*, 2020, vol. 2, no. 9, pp. 463-479., Registrované v: WOS
9. [1.1] MIN, Chul-Hee - GOTH, F. - LUTZ, P. - BENTMANN, H. - KANG, B. Y. - CHO, B. K. - WERNER, J. - CHEN, K.S. - ASSAAD, F. - REINERT, F. Matching DMFT calculations with photoemission spectra of heavy fermion insulators: universal properties of the near-gap spectra of SmB₆. In *SCIENTIFIC REPORTS*. ISSN 2045-2322, 2017, vol. 7, 11980., Registrované v: WOS
10. [1.1] OHTSUBO, Yoshiyuki - YAMASHITA, Yuki - HAGIWARA, Kenta - IGETA, Shin-ichiro - TANAKA, Kiyohisa - YUKAWA, Ryu - HORIBA, Koji - KUMIGASHIRA, Hiroshi - MIYAMOTO, Koji - OKUDA, Taichi - HIRANO, Wataru - IGA, Fumitoshi - KIMURA, Shin-ichi. Non-trivial

surface states of samarium hexaboride at the (111) surface. In NATURE COMMUNICATIONS. ISSN 2041-1723, 2019, vol. 10, 2298., Registrované v: WOS

11. [1.1] ORENDAC, Mat - GABANI, S. - PRISTAS, G. - GAZO, E. - DIKO, P. - FARKASOVSKY, P. - LEVCHENKO, A. - SHITSEVALOVA, N. - FLACHBART, K. Isosbestic points in doped SmB₆ as features of universality and property tuning. In PHYSICAL REVIEW B. ISSN 2469-9950, 2017, vol. 96, no. 11, 115101., Registrované v: WOS

12. [1.1] RAKOSKI, A. - EO, Y. S. - SUN, K. - KURDAK, C. Understanding low-temperature bulk transport in samarium hexaboride without relying on in-gap bulk states. In PHYSICAL REVIEW B. ISSN 2469-9950, 2017, vol. 95, no. 19, 195133., Registrované v: WOS

13. [1.1] STANKIEWICZ, Jolanta - EVANGELISTI, Marco - ROSA, Priscila F. S. - SCHLOTTMANN, Pedro - FISK, Zachary. Physical properties of SmxB₆ single crystals. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 99, no. 4, 045138., Registrované v: WOS

14. [1.1] SUN, L. - KIM, D.J. - FISK, Z. - PARK, W. K. Planar tunneling spectroscopy of the topological Kondo insulator SmB₆. In PHYSICAL REVIEW B. ISSN 2469-9950, 2017, vol. 95, no. 19, 195129., Registrované v: WOS

15. [1.1] SYERS, Paul - KIM, Dohun - FUHRER, Michael S. - PAGLIONE, Johnpierre. Tuning Bulk and Surface Conduction in the Proposed Topological Kondo Insulator SmB₆. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 114, no. 9, 096601., Registrované v: WOS

16. [1.1] UTSUMI, Y. - KASINATHAN, D. - KO, K.T. - AGRESTINI, S. - HAVERKORT, M. W. - WIRTH, S. - WU, Y-H. - TSUEI, K-D. - KIM, D-J. - FISK, Z. - TANAKA, A. - THALMEIER, P. - TJENG, L. H. Bulk and surface electronic properties of SmB₆: A hard x-ray photoelectron spectroscopy study. In PHYSICAL REVIEW B. ISSN 2469-9950, 2017, vol. 96, no. 15, 155130., Registrované v: WOS

17. [1.1] VALENTINE, Michael E. - KOOHPAYEH, Seyed - PHELAN, W. Adam - MCQUEEN, Tyrel M. - ROSA, Priscila F. S. - FISK, Zachary - DRICHKO, Natalia. Breakdown of the Kondo insulating state in SmB₆ by introducing Sm vacancies. In PHYSICAL REVIEW B. ISSN 2469-9950, 2016, vol. 94, no. 7, 075102., Registrované v: WOS

18. [1.1] VALENTINE, Michael E. - KOOHPAYEH, Seyed - PHELAN, W. Adam - MCQUEEN, Tyrel M. - ROSA, Priscila F. S. - FISK, Zachary - DRICHKO, Natalia. An effect of Sm vacancies on the hybridization gap in topological Kondo insulator candidate SmB₆. In PHYSICA B-CONDENSED MATTER. ISSN 0921-4526, 2018, vol. 536, pp. 60-63., Registrované v: WOS

19. [1.1] WIRTH, Steffen - STEGLICH, Frank. Exploring heavy fermions from macroscopic to microscopic length scales. In NATURE REVIEWS MATERIALS. ISSN 2058-8437, 2016, vol. 1, no. 10, 16050., Registrované v: WOS

20. [1.1] WOLGAST, S. - EO, Y. S. - SUN, K. - KURDAK, C. - BALAKIREV, F. F. - JAIME, M. - KIM, D.J. - FISK, Z. Reduction of the low-temperature bulk gap in samarium hexaboride under high magnetic fields. In PHYSICAL REVIEW B. ISSN 2469-9950, 2017, vol. 95, no. 24, 245112., Registrované v: WOS

21. [1.1] ZHANG, Shu-feng - LIU, Yu - SONG, Hai-Feng - YANG, Yi-feng. Spatial interferences in the electron transport of heavy-fermion

materials. In PHYSICAL REVIEW B. ISSN 2469-9950, 2016, vol. 94, no. 8, 085124., Registrované v: WOS

22. [1.1] ZHOU, Yazhou - ROSA, Priscila F. S. - GUO, Jing - CAI, Shu - YU, Rong - JIANG, Sheng - YANG, Ke - LI, Aiguo - SI, Qimiao - WU, Qi - FISK, Zachary - SUN, Liling. Hall-coefficient diagnostics of the surface state in pressurized SmB6. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 101, no. 12, 125116., Registrované v: WOS

ADCA320 FLAVIGNY, F. - PAUWELS, D. - RADULOV, D. - DARBY, I.J. - DE WITTE, H. - DIRIKEN, J. - FEDOROV, D.V. - FEDOSSEEV, V.N. - FRAILE, L.M. - HUYSE, M. - IVANOV, V.S. - KOSTER, U. - MARSH, B.A. - OTSUKA, T. - POPESCU, L. - RAABE, R. - SELIVERSTOV, M.D. - SHIMIZU, N. - SJODIN, M. - TSUNODA, Y. - VAN DEN BERGH, P. - VAN DUPPEN, P. - VAN DE WALLE, J. - VENHART, Martin - WALTERS, W.B. - WIMMER, K. Characterization of the low-lying 0(+) and 2(+) states in Ni-68 via beta decay of the low-spin Co-68 isomer. In *Physical Review C. Nuclear physics*, 2015, vol. 91, no. 3, 034310. (2014: 3.733 - IF, Q1 - JCR, 2.480 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.91.034310>

Ohlasy:

1. [1.1] ALBERS, M. - ZHU, S. - AYANGEAKAA, A. D. - JANSSENS, R. V. F. - GELLANKI, J. - RAGNARSSON, I. - ALCORTA, M. - BAUGHER, T. - BERTONE, P. F. - CARPENTER, M. P. - CHIARA, C. J. - CHOWDHURY, P. - DAVID, H. M. - DEACON, A. N. - DIGIOVINE, B. - GADE, A. - HOFFMAN, C. R. - KONDEV, F. G. - LAURITSEN, T. - LISTER, C. J. - MCCUTCHAN, E. A. - NAIR, C. - ROGERS, A. M. - SEWERYNIAK, D. Single-particle and collective excitations in Ni-62. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 3, 034301., Registrované v: WOS
2. [1.1] CANETE, L. - GIRAUD, S. - KANKAINEN, A. - BASTIN, B. - NOWACKI, F. - POVES, A. - ASCHER, P. - ERONEN, T. - ALCINDOR, V. - JOKINEN, A. - KHANAM, A. - MOORE, I. D. - NESTERENKO, D. A. - SANTOS, F. De Oliveira - PENTTIL, H. - PETRONE, C. - POHJALAINEN, I. - DE ROUBIN, A. - RUBCHENYA, V. A. - VILEN, M. - AYSTO, J. Precision mass measurements of Fe-67 and Co-69,Co-70: Nuclear structure toward N=40 and impact on r-process reaction rates. In PHYSICAL REVIEW C. ISSN 2469-9985, 2020, vol. 101, no. 4, 041304., Registrované v: WOS
3. [1.1] GADE, Alexandra. Excitation energies in neutron-rich rare isotopes as indicators of changing shell structure. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2015, vol. 51, no. 9, 118., Registrované v: WOS
4. [1.1] GADE, A. - LIDDICK, S. N. Shape coexistence in neutron-rich nuclei. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2016, vol. 43, no. 2, 024001., Registrované v: WOS
5. [1.1] IZZO, C. - BOLLEN, G. - BRODEUR, M. - EIBACH, M. - GULYUZ, K. - HOLT, J. D. - KELLY, J. M. - REDSHAW, M. - RINGLE, R. - SANDLER, R. - SCHWARZ, S. - STROBERG, S. R. - SUMITHRARACHCHI, C. S. - VALVERDE, A. A. - VILLARI, A. C. C. Precision mass measurements of neutron-rich Co isotopes beyond N=40. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 1, 014309., Registrované v: WOS
6. [1.1] LIU, X. Y. - LIU, Z. - DING, B. - et al. Spectroscopy of Mn-65,67(25): Strong coupling in the N=40 "island of inversion". In PHYSICS

- LETTERS B, 2018, vol. 784, pp. 392-396., Registrované v: WOS
7. [1.1] MORALES, A. I. - BENZONI, G. - WATANABE, H. et al. Low-lying excitations in Ni-72. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 3, 034328., Registrované v: WOS
8. [1.1] MORFOUACE, P. - FRANCHOO, S. - SIEJA, K. et al. Single-particle strength in neutron-rich Cu-69 from the Zn-70(d, He-3)Cu-69 proton pick-up reaction. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 6, 064308., Registrované v: WOS
9. [1.1] NAQVI, F. - SIMON, A. - GUTTORMSEN, M. - SCHWENGNER, R. - FRAUENDORF, S. - REINGOLD, C. S. - BURKE, J. T. - COOPER, N. - HUGHES, R. O. - OTA, S. - SAASTAMOINEN, A. Nuclear level densities and gamma-ray strength functions in samarium isotopes. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 5, 054331., Registrované v: WOS
10. [1.1] RECCHIA, F. - WEISSHAAR, D. - GADE, A. - TOSTEVIN, J. A. - JANSSENS, R. V. F. - ALBERS, M. - BADER, V. M. - BAUGHER, T. - BAZIN, D. - BERRYMAN, J. S. - BROWN, B. A. - CAMPBELL, C. M. - CARPENTER, M. P. - CHEN, J. - CHIARA, C. J. - CRAWFORD, H. L. - HOFFMAN, C. R. - KONDEV, F. G. - KORICHI, A. - LANGER, C. - LAURITSEN, T. - LIDDICK, S. N. - LUNDERBERG, E. - NOJI, S. - PROKOP, C. - STROBERG, S. R. - SUCHYTA, S. - WIMMER, K. - ZHU, S. Neutron knockout from Ni-68, Ni-70 ground and isomeric states. In 12TH INTERNATIONAL SPRING SEMINAR ON NUCLEAR PHYSICS: CURRENT PROBLEMS AND PROSPECTS FOR NUCLEAR STRUCTURE. ISSN 1742-6588, 2018, vol. 966, 012048., Registrované v: WOS
11. [1.1] RODRIGUEZ, Tomas R. - POVES, Alfredo - NOWACKI, Frederic. Occupation numbers of spherical orbits in self-consistent beyond-mean-field methods. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 5, 054316., Registrované v: WOS
12. [1.1] SANTAMARIA, C. et al. Extension of the N=40 Island of Inversion towards N=50: Spectroscopy of Cr-66, Fe-70, Fe-72. In PHYSICAL REVIEW LETTERS, 2015, VOL. 115, NO. 19, 192501., Registrované v: WOS
13. [1.1] WANG, M. - AUDI, G. - KONDEV, F. G. - et al. The AME2016 atomic mass evaluation (II). Tables, graphs and references, In CHINESE PHYSICS C, 2017, vol. 41, no. 3, 030003., Registrované v: WOS
14. [1.1] WATANABE, Hiroshi. Nuclear decay studies of rare isotopes: Overview of decay spectroscopy at RIBF. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2019, vol. 55, no. 2, 19., Registrované v: WOS

ADCA321 FONG, D. - HAMILTON, J.H. - RAMAYYA, A.V. - HWANG, J.K. - GOODIN, C. - LI, K. - KORMICKI, J. - RASMUSSEN, J. - LUO, Y.X. - WU, S.C. - LEE, I.Y. - DANIEL, A.V. - TER-AKOPIAN, G.M. - POPEKO, G.S. - FOMICHEV, A.S. - RODIN, A.M. - OGANESSIAN, Yu.Ts. - JANDEL, M. - KLIMAN, Ján - KRUPA, L. - COLE, J.D. - STOYER, M.A. - DONANGELO, R. - MA, W.C. Bimodal fission in binary and ternary spontaneous fission of Cf-252. In *Physics of Atomic Nuclei*, 2006, vol. 69, no. 7, p. 1161-1167. (2005: 0.914 - IF, Q3 - JCR, 0.510 - SJR, Q2 - SJR). ISSN 1063-7788. Dostupné na: <https://doi.org/10.1134/S1063778806070118>

Ohlasy:

1. [1.1] DENISOV, V. Yu. - PILIPENKO, N. A. - SEDYKH, I. Yu.

Interaction of three fission fragments and yields of various ternary fragments. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 1, 014605., Registrované v: WOS

2. [1.1] MATERNA, T. - LETOURNEAU, A. - AMOUROUX, Ch. - MARCHIX, A. - LITAIZE, O. - SEROT, O. - REGNIER, D. - BLANC, A. - JENTSCH, M. - KOESTER, U. - MUTTI, P. - SOLDNER, T. - SIMPSON, G. - LEONI, S. - DE FRANCE, G. - URBAN, W. Fission studies by prompt gamma-ray spectrometry. In EPJ WEB OF CONFERENCES, 2015, vol. 93, 02020., Registrované v: WOS

ADCA322 FOUNTAS, P.N. - SOULIOTIS, G.A. - VESELSKÝ, Martin - BONASERA, A. Systematic study of neutron-rich rare isotope production in peripheral heavy-ion collisions below the Fermi energy. In *Physical Review C*, 2014, vol. 90, no. 6, 064613. (2013: 3.881 - IF, Q1 - JCR, 2.584 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.90.064613>

Ohlasy:

1. [1.1] BANSAL, Preeti - GAUTAM, Sakshi - PURI, Rajeev K. On the peak mass production of different fragments in intermediate-energy heavy-ion collisions. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2015, vol. 51, no. 11, 139., Registrované v: WOS

2. [1.1] KAYA, Aysegul - BUYUKCIZMECI, Nihal - OGUL, Riza. Isotopic distribution in projectile fragments above the Coulomb barrier. In TURKISH JOURNAL OF PHYSICS. ISSN 1300-0101, 2018, vol. 42, no. 6, pp. 659-667., Registrované v: WOS

3. [1.1] OGUL, R. - BUYUKCIZMECI, N. - ERGUN, A. - BOTVINA, A. S. Production of neutron-rich exotic nuclei in projectile fragmentation at Fermi energies. In NUCLEAR SCIENCE AND TECHNIQUES. ISSN 1001-8042, 2017, vol. 28, no. 2, 18., Registrované v: WOS

4. [1.1] SEKIZAWA, Kazuyuki. Enhanced nucleon transfer in tip collisions of U-238+Sn-124. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 96, no. 4, 041601., Registrované v: WOS

5. [1.1] WANG, Ning - WU, Tong - ZENG, Jie - YANG, Yongxu - OU, Li. Improvement on Fermionic properties and new isotope production in molecular dynamics simulations. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2016, vol. 43, no. 6., Registrované v: WOS

6. [1.1] ZHU, Long - SU, Jun - ZHANG, Feng-Shou. Theoretical predictions on production of neutron-deficient nuclei with $Z \geq 93$ in multinucleon transfer reactions. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 964, pp. 93-99., Registrované v: WOS

7. [1.1] ZHU, Long - SU, Jun - WEN, Pei-Wei. Optimal incident energies for production of neutron-deficient actinide nuclei in the reaction Ni-58+U-238. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 4, 044608., Registrované v: WOS

8. [1.1] ZHU, Long - WEN, Pei-Wei - LIN, Cheng-Jian - BAO, Xiao-Jun - SU, Jun - LI, Cheng - GUO, Chen-Chen. Shell effects in a multinucleon transfer process. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 4, 044614., Registrované v: WOS

ADCA323 FOURNEE, V. - LEDIEU, J. - SHIMODA, M. - KRAJČÍ, Marián - SHARMA, H.-R. - MCGRATH, R. Thin film growth on quasicrystalline surfaces. In *Israel Journal of Chemistry*, 2011, vol. 51, no. 11-12, p. 1314-1325. (2010: 0.794 - IF, Q3 - JCR, 0.417 - SJR, Q2 - SJR, Current Contents - CCC). (2011 - Current Contents). ISSN 0021-2148. Dostupné na: <https://doi.org/10.1002/ijch.201100141>

Ohlasy:

1. [1.1] RAPPAZ, Michel - KURTULDU, Gueven. Thermodynamic Aspects of Homogeneous Nucleation Enhanced by Icosahedral Short Range Order in Liquid Fcc-Type Alloys. In JOM. ISSN 1047-4838, 2015, vol. 67, no. 8, pp. 1812., Registrované v: WOS
2. [1.1] ZOLLNER, Eva Maria - SCHUSTER, Fabian - MEINEL, Klaus - STOETZNER, Philine - SCHENK, Sebastian - ALLNER, Bettina - FOERSTER, Stefan - WIDDRA, Wolf. Two-Dimensional Wetting Layer Structures of Reduced Ternary Oxides on Ru(0001) and Pt(111). In PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS. ISSN 0370-1972, 2020, vol. 257, no. 7, 1900655., Registrované v: WOS

ADCA324 FRANCO, V. - CONDE, C.F. - BLAZQUEZ, J.S. - CONDE, A. - ŠVEC, Peter - JANIČKOVIČ, Dušan - KISS, L.F. A constant magnetocaloric response in FeMoCuB amorphous alloys with different Fe/B ratios. In *Journal of Applied Physics*, 2007, vol. 101, no. 9, 093903. (2006: 2.316 - IF, Q1 - JCR, 1.944 - SJR, Q1 - SJR, Current Contents - CCC). (2007 - Current Contents, SCOPUS). ISSN 0021-8979. Dostupné na: <https://doi.org/10.1063/1.2724804>

Ohlasy:

1. [1.1] ALVAREZ-ALONSO, P. - SANCHEZ LLAMAZARES, J. L. - SANCHEZ-VALDES, C. F. - FDEZ-GUBIEDA, M. L. - GORRIA, Pedro - BLANCO, J. A. High-magnetic field characterization of magnetocaloric effect in FeZrB(Cu) amorphous ribbons. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2015, vol. 117, no. 17, 17A710., Registrované v: WOS
2. [1.1] BAAZIZ, H. - TOZRI, A. - DHAHRI, E. - HLIL, E. K. Magnetocaloric properties of La_{0.67}Sr_{0.33}MnO₃ tunable by particle size and dimensionality. In CHEMICAL PHYSICS LETTERS. ISSN 0009-2614, 2018, vol. 691, pp. 355-359., Registrované v: WOS
3. [1.1] BEN KHLIFA, H. - M'NASSRI, R. - CHEIKHROUHOU-KOUBAA, W. - SCHMERBER, G. - LEUVREY, C. - ULHAQ-BOUILLET, C. - DINIA, A. - CHEIKHROUHOU, A. Structural characterization and magnetic field dependence of the magnetocaloric properties in Pr_{0.8}Na_{0.05}K_{0.15}MnO₃ ceramic. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2017, vol. 439, pp. 148-155., Registrované v: WOS
4. [1.1] BOURGUIBA, Marwa - GDAIEM, Mohamed Amara - CHAFRA, Moez - HLIL, E. K. - BELMABROUK, Hafedh - BAJAHZAR, Abdullah. Effect of titanium substitution on the structural, magnetic and magnetocaloric properties of La_{0.67}Ba_{0.25}Ca_{0.08}MnO₃ perovskite manganites. In APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING. ISSN 0947-8396, 2019, vol. 125, no. 6, UNSP 375., Registrované v: WOS
5. [1.1] BOUZIDI, Souhir - GDAIEM, Mohamed Amara - DHAHRI, J. - HLIL, E. K. Large magnetocaloric entropy change at room temperature in soft ferromagnetic manganites. In RSC ADVANCES. ISSN 2046-2069, 2019, vol. 9, no. 1, pp. 65-76., Registrované v: WOS

6. [1.1] BOUZIDI, Souhir - GDAIEM, Mohamed Amara - REBAOUI, S. - DHAHRI, J. - HLIL, E. K. Large magnetocaloric effect in $\text{La}_{0.75}\text{Ca}_{0.25-x}\text{Na}_x\text{MnO}_3$ ($0 \leq x \leq 0.10$) manganites. In APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING. ISSN 0947-8396, 2020, vol. 126, no. 1, 60., Registrované v: WOS
7. [1.1] CIVAN, Ersin - SARLAR, Kagan - KUCUK, Ilker. Effect of Gd Substitution on the Structural, Magnetic, and Magnetocaloric Properties of $\text{Fe}_{68}\text{Tb}_{5}\text{B}_{23}\text{Nb}_4$ Metallic Glass. In JOURNAL OF MAGNETICS. ISSN 1226-1750, 2019, vol. 24, no. 1, pp. 43-48., Registrované v: WOS
8. [1.1] DEY, Sushmita - ROY, R. K. - MALLICK, A. Basu - MITRA, A. - PANDA, A. K. High-temperature magnetocaloric effect in devitrified Fe/Co based glassy monolayer and bilayer ribbons. In JOURNAL OF MATERIALS SCIENCE. ISSN 0022-2461, 2019, vol. 54, no. 16, pp. 11292-11303., Registrované v: WOS
9. [1.1] DHAHRI, Khadija - DHAHRI, N. - DHAHRI, J. - TAIBI, K. - HLIL, E. K. Effect of (Al, Sn) doping on structural, magnetic and magnetocaloric properties of $\text{La}_{0.7}\text{Ca}_{0.1}\text{Pb}_{0.2}\text{Mn}_{1-x-y}\text{Al}_x\text{Sn}_y\text{O}_3$ ($0 \leq x, y \leq 0.075$) manganites. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2017, vol. 699, pp. 619-626., Registrované v: WOS
10. [1.1] FANG, Yini - YU, Zhou - PENG, Guo - FENG, Tao. Near room-temperature magnetocaloric effect in amorphous Fe-Sc alloys: the effect of minor Co additions. In JOURNAL OF NON-CRYSTALLINE SOLIDS. ISSN 0022-3093, 2019, vol. 505, pp. 211-214., Registrované v: WOS
11. [1.1] FENG, Jingqing - LI, Fengmei - WANG, Gang - WANG, Jun-Qiang - HUO, Juntao. Magnetocaloric effect in ercu-based metallic glass composite. In JOURNAL OF NON-CRYSTALLINE SOLIDS. ISSN 0022-3093, 2020, vol. 536, 100004., Registrované v: WOS
12. [1.1] CHAUDHARY, V. - CHEN, X. - RAMANUJAN, R. V. Iron and manganese based magnetocaloric materials for near room temperature thermal management. In PROGRESS IN MATERIALS SCIENCE. ISSN 0079-6425, 2019, vol. 100, pp. 64-98., Registrované v: WOS
13. [1.1] CHAUHAN, Harish Chandr - KUMAR, Birendra - TIWARI, Jeetendra Kumar - GHOSH, Subhasis. Multiple phases with a tricritical point and a Lifshitz point in the skyrmion host Cu_2OSeO_3 . In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 100, no. 16, 165143., Registrované v: WOS
14. [1.1] CHENG, Junye - LI, Tian - ULLAH, Sana - LUO, Feng - WANG, Hao - YAN, Ming - ZHENG, Guangping. Giant magnetocaloric effect in nanostructured Fe-Co-P amorphous alloys enabled through pulse electrodeposition. In NANOTECHNOLOGY. ISSN 0957-4484, 2020, vol. 31, no. 38, 385704., Registrované v: WOS
15. [1.1] CHOURA-MAATAR, S. - M'NASSRI, R. - CHEIKHROUHOU-KOUBAA, W. - KOUBAA, M. - CHEIKHROUHOU, A. - HLIL, E. K. Role of lanthanum vacancy on the structural, magnetic and magnetocaloric properties in the lacunar perovskite manganites $\text{La}_{0.8-x}\text{rectangle } x\text{Na}_{0.2}\text{MnO}_3$ ($0 \leq x \leq 0.15$). In RSC ADVANCES. ISSN 2046-2069, 2017, vol. 7, no. 79, pp. 50347-50357., Registrované v: WOS
16. [1.1] ISLAM, S. S. - SINGH, Vikram - SOMESH, K. - MUKHARJEE, Prashanta K. - JAIN, A. - YUSUF, S. M. - NATH, R. Unconventional superparamagnetic behavior in the modified cubic spinel compound $\text{LiNi}_{0.5}\text{Mn}_{1.5}\text{O}_4$. In PHYSICAL REVIEW B. ISSN 2469-9950,

2020, vol. 102, no. 13, 134433., Registrované v: WOS

17. [1.1] ISSAOUI, F. - DHAHRI, E. - HLIL, E. K. Theoretical Insights into the Stability of Perovskite Clusters by Studying Magnetization and Magnetocaloric Effect of $\text{Nd}_{0.6}\text{Sr}_{0.4}\text{MnO}_3$ Compound at Room Temperature. In JOURNAL OF LOW TEMPERATURE PHYSICS. ISSN 0022-2291, 2020, vol. 200, no. 1-2, pp. 1-15., Registrované v: WOS

18. [1.1] KANG, Ki Hoon - OH, Yoong - KIM, Ju Hwan - KIM, Eun Jeong - KIM, Hee-Soo - YOON, Chong Seung. Magnetocaloric effect of compositionally partitioned $\text{Mn}_{5-x}\text{Ge}_3\text{Ni}_x$ alloys produced by solid state sintering. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2016, vol. 681, no., pp. 541-546., Registrované v: WOS

19. [1.1] KHELIFI, J. - DHAHRI, E. - HLIL, E. K. Enhancement of Magnetocaloric Effect in Composite. In JOURNAL OF LOW TEMPERATURE PHYSICS. ISSN 0022-2291, 2018, vol. 190, no. 5-6, pp. 315-327., Registrované v: WOS

20. [1.1] KIEU XUAN HAU - NGUYEN HOANG HA - NGUYEN LE THI - NGUYEN HAI YEN - PHAM THI THANH - PHAM DUC HUYEN YEN - NGUYEN HUY NGOC - TRAN DANG THANH - KOLEDON, Victor V. - KIM, Dong Hyun - YU, Seong-Cho - NGUYEN HUY DAN. Magnetocaloric effect and critical behavior in Fe-La-Zr rapidly quenched ribbons. In JOURNAL OF SCIENCE-ADVANCED MATERIALS AND DEVICES. ISSN 2468-2284, 2018, vol. 3, no. 4, pp. 406-411., Registrované v: WOS

21. [1.1] KUPCZYK, A. - SWIERCZEK, J. - HASIAK, M. - PRUSIK, K. - ZBROSZCZYK, J. - GEBARA, P. Microstructure and some thermomagnetic properties of amorphous Fe-(Co)-Mn-Mo-B alloys. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2018, vol. 735, pp. 253-260., Registrované v: WOS

22. [1.1] LIU, Lihua - LIU, Peizhu - CHEN, Ning - LI, Yang. Comparison of the Mn and Ni doped $\text{Eu}_8\text{Ga}_{16}\text{Ge}_{30}$ type-I clathrates. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2019, vol. 491, UNSP 165433., Registrované v: WOS

23. [1.1] MAHJOUB, Saoussen - BAAZAOU, Mohamed - M'NASSRI, Rafik - HLIL, E. K. - OUMEZZINE, Mohamed. Magnetocaloric study and estimation of the spontaneous magnetization by a magnetic entropy analysis in $\text{Pr}_{0.6}\text{Ca}_{0.1}\text{Sr}_{0.3}\text{Mn}_{0.975}\text{Fe}_{0.025}\text{O}_3$. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2016, vol. 680, no., pp. 381-387., Registrované v: WOS

24. [1.1] MAKNI-CHAKROUN, J. - OMRANI, H. - CHEIKHROUHOUS-KOUBAA, W. - KOUBAA, M. - CHEIKHROUHOUS, A. Theoretical Investigation of the Magnetocaloric Effect on Stoichiometric and Deficient $\text{La}_{0.7}\text{Ca}_{0.3}\text{MnO}_3$ Manganite at Room Temperature. In JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM. ISSN 1557-1939, 2016, vol. 29, no. 6, pp. 1681-1689., Registrované v: WOS

25. [1.1] MA, S. C. - SHIH, C. W. - LIU, J. - YUAN, J. H. - LEE, S. Y. - LEE, Y. I. - CHANG, H. W. - CHANG, W. C. Wheel speed-dependent martensitic transformation and magnetocaloric effect in Ni-Co-Mn-Sn ferromagnetic shape memory alloy ribbons. In ACTA MATERIALIA. ISSN 1359-6454, 2015, vol. 90, pp. 292., Registrované v: WOS

26. [1.1] MOUNIRA, Abassi. Effect of Fe Substitution on the Physical Properties of $\text{La}_{0.62}\text{Er}_{0.05}\text{Ba}_{0.33}\text{Mn}_{1-x}\text{Fe}_x\text{O}_3$ ($x=0.00, 0.05$ and 0.15). In

- JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM. ISSN 1557-1939, 2019, vol. 32, no. 2, pp. 301-310., Registrované v: WOS
27. [1.1] QUINTANA-NEDELCOS, A. - SANCHEZ LLAMAZARES, J. L. - DANIEL-PEREZ, G. Enhanced magnetocaloric effect tuning efficiency in Ni-Mn-Sn alloy ribbons. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2017, vol. 441, pp. 188-192., Registrované v: WOS
28. [1.1] SINGH, Vikram - BAG, Pallab - RAWAT, R. - NATH, R. Critical behavior and magnetocaloric effect across the magnetic transition in $\text{Mn}_{1+x}\text{Fe}_{4-x}\text{Si}_3$. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2020, vol. 10, no. 1, 6981., Registrované v: WOS
29. [1.1] SI, Xiaodong - LIU, Yongsheng - LU, Xiaofei - WANG, Wenli - LEI, Wei - LIN, Jia - ZHOU, Tao - XU, Yan. Effects of the substitution of Al for Mn on structure, magnetic, and magnetocaloric properties in MnCoGe . In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2016, vol. 119, no. 21, 215104., Registrované v: WOS
30. [1.1] SI, Xiaodong - ZHOU, Keyi - ZHANG, Rui - QI, Jing - LIU, Yongsheng. Room-temperature magnetocaloric properties and universal curve of $\text{MnCo}_{1-x}\text{Sn}_x\text{Ge}$. In PHYSICS LETTERS A. ISSN 0375-9601, 2017, vol. 381, no. 34, pp. 2850-2855., Registrované v: WOS
31. [1.1] SI, Xiaodong - ZHOU, Keyi - ZHANG, Rui - LIU, Yongsheng - QI, Jing. Magnetic phase transition and magnetocaloric properties of $\text{Mn}_{1-x}\text{Sn}_x\text{CoGe}$ alloys. In PHYSICS LETTERS A. ISSN 0375-9601, 2017, vol. 381, no. 19, pp. 1693-1700., Registrované v: WOS
32. [1.1] SI, Xiaodong - ZHOU, Keyi - ZHANG, Rui - LIU, Yongsheng - QI, Jing. Estimation of the spontaneous magnetization and the universal curve in $\text{MnCo}_{1-x}\text{Nb}_x\text{Ge}$ alloys with long-range interactions. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2017, vol. 121, no. 11, 113902., Registrované v: WOS
33. [1.1] TLILI, R. - HAMMOUDA, R. - BEJAR, M. - DHAHRI, E. Theoretical investigation of the magnetocaloric effect on $\text{La}_{0.7}(\text{Ba}, \text{Sr})_{0.3}\text{Mn}_{0.9}\text{Ga}_{0.1}\text{O}_3$ compound at room temperature. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2015, vol. 386, pp. 81., Registrované v: WOS
34. [1.1] UTHAMAN, Bhagya - MANJU, P. - THOMAS, Senoy - NAGAR, Deepshikha Jaiswal - SURESH, K. G. - VARMA, Manoj Raama. Observation of short range ferromagnetic interactions and magnetocaloric effect in cobalt substituted $\text{Gd}_5\text{Si}_2\text{Ge}_2$. In PHYSICAL CHEMISTRY CHEMICAL PHYSICS. ISSN 1463-9076, 2017, vol. 19, no. 19, pp. 12282-12295., Registrované v: WOS
35. [1.1] UTHAMAN, Bhagya - RAJI, G. R. - THOMAS, Senoy - SURESH, K. G. - VARMA, Manoj Raama. Tuning the Structural Transitions and Magnetocaloric Response in $\text{Gd}_5\text{Si}_{1.7}\text{Ge}_{2.3}$ Alloys Through Cobalt Addition. In IEEE TRANSACTIONS ON MAGNETICS. ISSN 0018-9464, 2019, vol. 55, no. 10, 2501911., Registrované v: WOS
36. [1.1] WANG, G. F. - ZHAO, Z. R. - ZHANG, X. F. - LI, H. L. - ZHAO, G. P. Peculiar effect of rare earth doping on magnetic and magnetocaloric properties in Fe-rich amorphous ribbons. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2018, vol. 735, pp. 104-108., Registrované v: WOS

37. [1.1] XUAN, H. C. - ZHANG, Y. Q. - LI, H. - HAN, P. D. - WANG, D. H. - DU, Y. W. Enhancement of the martensitic transformation and magnetocaloric effect of Ni-Mn-V-Sn ribbons by annealing treatment. In PHYSICA STATUS SOLIDI A-APPLICATIONS AND MATERIALS SCIENCE. ISSN 1862-6300, 2015, vol. 212, no. 9, pp. 1954., Registrované v: WOS
38. [1.1] ZAIDI, Asma - MOHAMED, Za - DHAHRI, J. - HLIL, E. K. - ALHARBI, T. - ZAIDI, M. Structural, magnetic and magnetocaloric properties of polycrystalline $\text{La}_{0.67}\text{Ba}_{0.33-x}\text{Zn}_x\text{MnO}_3$ ($x=0.15$ and 0.2) manganites. In APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING. ISSN 0947-8396, 2016, vol. 122, no. 4, 421., Registrované v: WOS
39. [1.1] ZAIDI, N. - MNEFGUI, S. - DHAHRI, J. - HLIL, E. K. Effect of Ru substitution on the physical properties of $\text{La}_{0.6}\text{Pr}_{0.1}\text{Sr}_{0.3}\text{Mn}_{1-x}\text{Ru}_x\text{O}_3$ ($x=0.00, 0.05$ and 0.15) perovskites. In RSC ADVANCES. ISSN 2046-2069, 2015, vol. 5, no. 40, pp. 31901., Registrované v: WOS
40. [1.1] ZHAO, Lizhong - TIAN, Huacun - ZHONG, Xichun - LIU, Zhongwu - GRENECHE, Jean-Marc - RAMANUJAN, R. Influence of gadolinium and dysprosium substitution on magnetic properties and magnetocaloric effect of $\text{Fe}_{78-x}\text{RE}_x\text{Si}_4\text{Nb}_5\text{B}_{12}\text{Cu}_1$ amorphous alloys. In JOURNAL OF RARE EARTHS. ISSN 1002-0721, 2020, vol. 38, no. 12, pp. 1317-1321., Registrované v: WOS

ADCA325 FRANK, Tobias - DERIAN, René - TOKÁR, Kamil - MITAS, Luboš - FABIAN, Jaroslav** - ŠTICH, Ivan**. Many-body quantum Monte Carlo study of 2D materials: cohesion and band gap in single-layer phosphorene. In *Physical Review X*, 2019, vol. 9, no. 1, 011018. (2018: 12.211 - IF, Q1 - JCR, 6.497 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 2160-3308. Dostupné na: <https://doi.org/10.1103/PhysRevX.9.011018>

Ohlasy:

1. [1.1] ALLAOUI, Isam - BENYOUSSEF, Abdelilah - KENZ, Abdallah E. L. Optoelectronic properties of pristine antimonene, phosphorene and their binary compound. In COMPUTATIONAL CONDENSED MATTER. ISSN 2352-2143, 2020, vol. 24, e00488., Registrované v: WOS
2. [1.1] FIORENTIN, Michele Re - CICERO, Giancarlo - PALUMMO, Maurizia. Spatially indirect excitons in black and blue phosphorene double layers. In PHYSICAL REVIEW MATERIALS. ISSN 2475-9953, 2020, vol. 4, no. 7, 074009., Registrované v: WOS
3. [1.1] GAUFRES, Etienne - FOSSARD, Frederic - GOSSELIN, Vincent - SPONZA, Lorenzo - DUCASTELLE, Francois - LI, Zhenglu - LOUIE, Steven G. - MARTEL, Richard - COTE, Michel - LOISEAU, Annick. Momentum-Resolved Dielectric Response of Free-Standing Mono-, Bi-, and Trilayer Black Phosphorus. In NANO LETTERS. ISSN 1530-6984, 2019, vol. 19, no. 11, pp. 8303-8310., Registrované v: WOS
4. [1.1] HUNT, R. J. - MONSERRAT, B. - ZOLYOMI, V - DRUMMOND, N. D. Diffusion quantum Monte Carlo and GW study of the electronic properties of monolayer and bulk hexagonal boron nitride. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 101, no. 20, 205115., Registrované v: WOS
5. [1.1] KROGEL, Jaron T. - YUK, Simuck F. - KENT, Paul R. C. - COOPER, Valentino R. Perspectives on van der Waals Density Functionals: The

Case of TiS₂. In JOURNAL OF PHYSICAL CHEMISTRY A. ISSN 1089-5639, 2020, vol. 124, no. 47, pp. 9867-9876., Registrované v: WOS

6. [1.1] WEI, Yadong - JIANG, Yingjie - PANG, Kaijuan - XU, Xiaodong - KANER, Ngeywo Tolbert - LI, Xingji - YANG, Jianqun - ZHANG, Guiling - LI, Weiqi - JIANG, Yongyuan - TIAN, Wei Quan. Long Radiation Lifetime and Quasi-Isotropic Excitons in Antioxidant V-V Binary Phosphorene Allotropes with Intrinsic Dipole. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2020, vol. 124, no. 27, pp. 14787-14796., Registrované v: WOS

7. [1.1] WINES, Daniel - SARITAS, Kayahan - ATACA, Can. A first-principles Quantum Monte Carlo study of two-dimensional (2D) GaSe. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2020, vol. 153, no. 15, 154704., Registrované v: WOS

8. [1.1] YANG, Yubo - GORELOV, Vitaly - PIERLEONI, Carlo - CEPERLEY, David M. - HOLZMANN, Markus. Electronic band gaps from quantum Monte Carlo methods. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 101, no. 8, 085115., Registrované v: WOS

ADCA326 FRIGAN, B. - SANTANA, A. - ENGEL, M. - SCHOPF, D. - TREBIN, H.-R. - MIHALKOVIČ, Marek. Low-temperature structure of α -Al-Pd-Mn optimized by ab initio methods. In *Physical Review B*, 2011, vol. 84, no. 18, 184203. (2010: 3.774 - IF, Q1 - JCR, 3.318 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.84.184203>

Ohlasy:

1. [1.1] CERNICKOVA, Ivona - DURLSKA, Libor - PRIPUTEN, Pavol - JANICKOVIC, Dusan - JANOVEC, Jozef. Isothermal Section of the Al-Pd-Co Phase Diagram at 850 A degrees C Delimited by Homogeneity Ranges of Phases Epsilon, U, and F. In JOURNAL OF PHASE EQUILIBRIA AND DIFFUSION. ISSN 1547-7037, 2016, vol. 37, no. 3, pp. 301-307., Registrované v: WOS

2. [1.1] PALCUT, Marian - DURISKA, Libor - CERNICKOVA, Ivona - BRUNOVSKA, Sandra - GERHATOVA, Zanita - SAHUL, Martin - CAPLOVIC, Lubomir - JANOVEC, Jozef. Relationship between Phase Occurrence, Chemical Composition, and Corrosion Behavior of as-Solidified Al-Pd-Co Alloys. In MATERIALS. ISSN 1996-1944, 2019, vol. 12, no. 10, 1661., Registrované v: WOS

ADCA327 FRÖHLICH, Karol - ŠOUC, Ján - MACHAJDÍK, Daniel - JERGEL, Matej - SNAUWAERT, J. - HELLEMANS, L. Surface quality of epitaxial CeO₂ thin films grown on sapphire by aerosol metal organic chemical vapour deposition. In *Chemical Vapour Deposition*, 1998, vol. 4, p. 216-220. (1997: 1.360 - IF, Current Contents - CCC). (1998 - Current Contents).

Ohlasy:

1. [1.2] Develos-Bagarinao, K.: In Oxide Thin Films, Multilayers, and Nanocomposites. Eds: P. Mele et al. Springer 2015 ISBN: 978-3-319-14477-1. P. 213-235, Registrované v: SCOPUS

ADCA328 FUJITA, T. - STAŇO, Peter - ALLISON, G. - MORIMOTO, K. - SATO, Y. - LARSSON, M. - PARK, J.-H. - LUDWIG, A. - WIECK, A.D. - OIWA, A. - TARUCHA, S. Signatures of hyperfine, spin-orbit, and decoherence effects in a

Pauli spin blockade. In *Physical Review Letters*, 2016, vol. 117, no. 20, 206802. (2015: 7.645 - IF, Q1 - JCR, 4.656 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.117.206802>

Ohlasy:

1. [1.1] ANNBY-ANDERSSON, Bjorn - SAMUELSSON, Peter - MAISI, Ville F. - POTTS, Patrick P. Maxwell's demon in a double quantum dot with continuous charge detection. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2020, vol. 101, no. 16, 165404., Registrované v: WOS
2. [1.1] BOGAN, Alex - STUDENIKIN, Sergei - KORKUSINSKI, Marek - GAUDREAU, Louis - ZAWADZKI, Piotr - SACHRAJDA, Andy S. - TRACY, Lisa - RENO, John - HARGETT, Terry. Landau-Zener-Stuckelberg-Majorana Interferometry of a Single Hole. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2018, vol. 120, no. 20, 207701., Registrované v: WOS
3. [1.1] BOGAN, Alex - STUDENIKIN, Sergei - KORKUSINSKI, Marek - GAUDREAU, Louis - ZAWADZKI, Piotr - SACHRAJDA, Andy - TRACY, Lisa - RENO, John - HARGETT, Terry. Single hole spin relaxation probed by fast single-shot latched charge sensing. In *COMMUNICATIONS PHYSICS*. ISSN 2399-3650, 2019, vol. 2, 17., Registrované v: WOS
4. [1.1] BOGAN, A. - STUDENIKIN, S. A. - KORKUSINSKI, M. - AERS, G. C. - GAUDREAU, L. - ZAWADZKI, P. - SACHRAJDA, A. S. - TRACY, L. A. - RENO, J. L. - HARGETT, T. W. Consequences of Spin-Orbit Coupling at the Single Hole Level: Spin-Flip Tunneling and the Anisotropic g Factor. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2017, vol. 118, no. 16, 167701., Registrované v: WOS
5. [1.1] GINZEL, Florian - MILLS, Adam R. - PETTA, Jason R. - BURKARD, Guido. Spin shuttling in a silicon double quantum dot. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2020, vol. 102, no. 19, 195418., Registrované v: WOS
6. [1.1] HOFMANN, A. - MAISI, V. F. - GOLD, C. - KRAHENMANN, T. - ROESSLER, C. - BASSET, J. - MARKI, P. - REICHL, C. - WEGSCHEIDER, W. - ENSSLIN, K. - IHN, T. Measuring the Degeneracy of Discrete Energy Levels Using a GaAs/AlGaAs Quantum Dot. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2016, vol. 117, no. 20, 206803., Registrované v: WOS
7. [1.1] HOFMANN, A. - MAISI, V. F. - KRAHENMANN, T. - REICHL, C. - WEGSCHEIDER, W. - ENSSLIN, K. - IHN, T. Anisotropy and Suppression of Spin-Orbit Interaction in a GaAs Double Quantum Dot. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2017, vol. 119, no. 17, 176807., Registrované v: WOS
8. [1.1] HUNG, Jo-Tzu - MARCELLINA, Elizabeth - WANG, Bin - HAMILTON, Alexander R. - CULCER, Dimitrie. Spin blockade in hole quantum dots: Tuning exchange electrically and probing Zeeman interactions. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2017, vol. 95, no. 19, 195316., Registrované v: WOS
9. [1.1] CHEN, Ying-Jie - CUI, Cheng-Feng - LIU, Wen-Fang - SHAO, Feng-Lan. Influences of Rashba Spin-Orbit Coupling on First Excited State of Magnetopolaron in Parabolic Quantum Dot. In *INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS*. ISSN 0020-7748, 2020, vol. 59, no. 6, pp.

1829-1837., Registrované v: WOS

10. [1.1] KOGA, M. - MATSUMOTO, M. - KUSUNOSE, H. Spin and charge controlled by antisymmetric spin-orbit coupling in a triangular-triple-quantum-dot Kondo system. In *PHYSICA B-CONDENSED MATTER*. ISSN 0921-4526, 2018, vol. 536, pp. 226-229., Registrované v: WOS
11. [1.1] MANNILA, E. T. - MAISI, V. F. - NGUYEN, H. Q. - MARCUS, C. M. - PEKOLA, J. P. Detecting parity effect in a superconducting device in the presence of parity switches. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2019, vol. 100, no. 2, 020502., Registrované v: WOS
12. [1.1] PTASZYNSKI, Krzysztof. Waiting time distribution revealing the internal spin dynamics in a double quantum dot. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2017, vol. 96, no. 3, 035409., Registrované v: WOS
13. [1.1] ZHANG, Chengxian - YANG, Xu-Chen - WANG, Xin. Leakage and sweet spots in triple-quantum-dot spin qubits: A molecular-orbital study. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2018, vol. 97, no. 4, 042326., Registrované v: WOS

ADCA329 GAO, M.C. - UNLU, N. - MIHALKOVIČ, Marek - WIDOM, M. - SHIFLET, G.J. Glass formation, phase equilibria and thermodynamic assessment of the Al-Ce-Co system assisted by first-principles energy calculations. In *Metallurgical and Materials Transactions A*, 2007. Vol. 38A, no. 10, p. 2540-2551. Dostupné na: <https://doi.org/10.1007/s11661-007-9259-6>

Ohlasy:

1. [1.1] NIEHAUS, Oliver - HOFFMANN, Rolf-Dieter - TENCE, Sophie - CHEVALIER, Bernard - POETTGEN, Rainer. Intermediate-valent CeCoAl a commensurate modulated structure with short Ce-Co distances. In *ZEITSCHRIFT FUR KRISTALLOGRAPHIE-CRYSTALLINE MATERIALS*. ISSN 2194-4946, 2015, vol. 230, no. 9-10, pp. 579., Registrované v: WOS

ADCA330 GAO, M.C. - UNLU, N. - SHIFLET, G.J. - MIHALKOVIČ, Marek. Reassessment of Al-Ce and Al-Nd binary systems supported by critical experiments and first-principles energy calculations. In *Metallurgical and Materials Transactions A*, 2005, vol. 36, p. 3269-3279. ISSN 1073-5623.

Ohlasy:

1. [1.1] ISSA, A. - SAAL, J. E. - WOLVERTON, C. Formation of high-strength beta ' precipitates in Mg-RE alloys: The role of the Mg/beta ';' interfacial instability. In *ACTA MATERIALIA*. ISSN 1359-6454, 2015, vol. 83, pp. 75-83., Registrované v: WOS
2. [1.1] IVANOV, M. I. - BEREZUTSKII, V. V. - SHEVCHENKO, M. A. - KUDIN, V. G. - SUDAVTSOVA, V. S. Thermodynamic Properties of Binary Al-Ce and Ce-Fe Alloys. In *POWDER METALLURGY AND METAL CERAMICS*. ISSN 1068-1302, 2015, vol. 54, no. 1-2, pp. 80., Registrované v: WOS
3. [1.1] YANG, Tingzhi - WU, Changjun - SU, Xuping - TU, Hao - LIU, Ya - PENG, Haoping - WANG, Jianhua. The 450 and 600 degrees C Isothermal Sections of the Al-Ce-Zn (0-33.3 at.% Ce) Ternary System. In *JOURNAL OF PHASE EQUILIBRIA AND DIFFUSION*. ISSN 1547-7037, 2015, vol. 36, no. 3, pp. 198., Registrované v: WOS

ADCA331 GATTRINGER, Ch. - LIPTÁK, Ľudovít. Energy density for chiral lattice fermions with chemical potential. In *Physical Review D*, 2007, vol. 76, no. 5, 054502. (2006: 4.896 - IF, Q1 - JCR, 2.381 - SJR, Q1 - SJR, Current Contents - CCC). (2007 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.76.054502>

Ohlasy:

1. [3.1] GAVAI, R.V. - SHARMA, S. A simple idea for lattice QCD at finite density. In *Proceedings of Science (CPOD2014)*, 2015, 015.

ADCA332 GAWRACZYŃSKI, Jakub - KURZYDŁOWSKI, Dominik - EWINGS, Russell A. - BANDARU, Subrahmanyam - GADOMSKI, Wojciech - MAZEJ, Zoran - RUANI, Giampiero - BERGENTI, Ilaria - JARON, Tomasz - OZAROWSKI, Andrew - HILL, Stephen - LESZCZYŃSKI, Piotr J. - TOKÁR, Kamil - DERZSI, Mariana - BARONE, Paolo - WOHLFELD, Krzysztof - LORENZANA, José** - GROCHALA, Wojciech**. Silver route to cuprate analogs. In *Proceedings of the National Academy of Sciences of the United States of America*, 2019, vol. 116, no. 5, p. 1495-1500. (2018: 9.580 - IF, Q1 - JCR, 5.601 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 0027-8424. Dostupné na: <https://doi.org/10.1073/pnas.1812857116>

Ohlasy:

1. [1.1] BERNARDINI, F. - OLEVANO, V - BLASE, X. - CANO, A. Infinite-layer fluoro-nickelates as d(9) model materials. In *JOURNAL OF PHYSICS-MATERIALS*, 2020, vol. 3, no. 3, 035003., Registrované v: WOS
2. [1.1] KIM, Bongjae - KHMELEVSKYI, Sergii - FRANCHINI, Cesare - MAZIN, I. I. - KIM, Kyoo. SrRuO₃-SrTiO₃ heterostructure as a possible platform for studying unconventional superconductivity in Sr₂RuO₄. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2020, vol. 101, no. 22, 220502., Registrované v: WOS
3. [1.1] MATASOV, Anton - KRASAVINA, Varvara. Prediction of critical temperature and new superconducting materials. In *SN APPLIED SCIENCES*. ISSN 2523-3963, 2020, vol. 2, no. 9, 1482., Registrované v: WOS
4. [1.1] MILLER, Clark - BOTANA, Antia Sanchez. Cupratelike electronic and magnetic properties of layered transition-metal difluorides from first-principles calculations. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2020, vol. 101, no. 19, 195116., Registrované v: WOS
5. [1.1] OLES, Andrzej M. - WOHLFELD, Krzysztof - KHALIULLIN, Giniyat. Orbital Symmetry and Orbital Excitations in High-T_c Superconductors. In *CONDENSED MATTER*. ISSN 2410-3896, 2019, vol. 4, no. 2, 46., Registrované v: WOS

ADCA333 GENDIAR, Andrej - DANIŠKA, Michal - KRČMÁR, Roman - NISHINO, T. Mean-field universality class induced by weak hyperbolic curvatures. In *Physical Review E*, 2014, vol. 90, 012122. (2013: 2.326 - IF, Q1 - JCR, 1.311 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 2470-0045. Dostupné na: <https://doi.org/10.1103/PhysRevE.90.012122>

Ohlasy:

1. [1.1] LEE, Yoju - VERSTRAETE, Frank - GENDIAR, Andrej. Boundary-field-driven control of discontinuous phase transitions on hyperbolic lattices. In *PHYSICAL REVIEW E*. ISSN 2470-0045, 2016, vol. 94, no. 2, 022133., Registrované v: WOS

ADCA334 GENDIAR, Andrej - DANIŠKA, Michal - LEE, Y. - NISHINO, T.

Suppression of finite-size effects in one-dimensional correlated systems. In *Physical Review A*, 2011, vol. 83, no. 5, 052118. (2010: 2.861 - IF, Q1 - JCR, 2.400 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents). ISSN 1050-2947.
Dostupné na: <https://doi.org/10.1103/PhysRevA.83.052118>

Ohlasy:

1. [1.1] HOTTA, Chisa - ASANO, Kenichi. Magnetic susceptibility of quantum spin systems calculated by sine square deformation: One-dimensional, square lattice, and kagome lattice Heisenberg antiferromagnets. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2018, vol. 98, no. 14, 140405., Registrované v: WOS
2. [1.1] ISHIBASHI, Nobuyuki - TADA, Tsukasa. Dipolar quantization and the infinite circumference limit of two-dimensional conformal field theories. In *INTERNATIONAL JOURNAL OF MODERN PHYSICS A*. ISSN 0217-751X, 2016, vol. 31, no. 32, 1650170., Registrované v: WOS
3. [1.1] MACCORMACK, Ian - LIU, Aike - NOZAKI, Masahiro - RYU, Shinsei. Holographic duals of inhomogeneous systems: the rainbow chain and the sine-square deformation model. In *JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL*. ISSN 1751-8113, 2019, vol. 52, no. 50, 505401., Registrované v: WOS
4. [1.1] MILSTED, Ashley - VIDAL, Guifre. Extraction of conformal data in critical quantum spin chains using the Koo-Saleur formula. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2017, vol. 96, no. 24, 245105., Registrované v: WOS
5. [1.1] OKUNISHI, Kouichi. Sine-square deformation and Mobius quantization of 2D conformal field theory. In *PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS*. ISSN 2050-3911, 2016, no. 6, 063A02., Registrované v: WOS
6. [1.1] TADA, Tsukasa. Sine-square deformation and its relevance to string theory. In *MODERN PHYSICS LETTERS A*. ISSN 0217-7323, 2015, vol. 30, no. 19, 1550092., Registrované v: WOS
7. [1.1] TAMURA, Shota - KATSURA, Hosho. Zero-energy states in conformal field theory with sine-square deformation. In *PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS*. ISSN 2050-3911, 2017, vol., no. 11, 113A01., Registrované v: WOS
8. [1.1] WEN, Xueda - RYU, Shinsei - LUDWIG, Andreas W. W. Evolution operators in conformal field theories and conformal mappings: Entanglement Hamiltonian, the sine-square deformation, and others. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2016, vol. 93, no. 23, 235119., Registrované v: WOS
9. [1.1] WEN, Xueda - WU, Jie-Qiang. Quantum dynamics in sine-square deformed conformal field theory: Quench from uniform to nonuniform conformal field theory. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2018, vol. 97, no. 18, 184309., Registrované v: WOS
10. [1.1] YONAGA, Kouki - SHIBATA, Naokazu. Ground State Phase Diagram of Twisted Three-Leg Spin Tube in Magnetic Field. In *JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN*. ISSN 0031-9015, 2015, vol. 84, no. 9, 094706., Registrované v: WOS

ADCA335 GENDIAR, Andrej - KRČMÁR, R. - ANDERGASSEN, S. - DANIŠKA, Michal - NISHINO, T. Weak correlation effects in the ising model on triangular-tiled hyperbolic lattices. In *Physical Review E*, 2012, vol. 86, no. 2, 021105. (2011: 2.255 - IF, Q1 - JCR, 1.480 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 2470-0045. Dostupné na: <https://doi.org/10.1103/PhysRevE.86.021105>

Ohlasy:

1. [1.1] BRAIORR-ORRS, Briiissuurs - WEYRAUCH, Michael - RAKOV, Mykhailo V. PHASE DIAGRAMS OF ONE-, TWO-, AND THREE-DIMENSIONAL QUANTUM SPIN SYSTEMS DERIVED FROM ENTANGLEMENT PROPERTIES. In QUANTUM INFORMATION & COMPUTATION. ISSN 1533-7146, 2016, vol. 16, no. 9-10, pp. 885-899., Registrované v: WOS
2. [1.1] MERTENS, Stephan - MOORE, Cristopher. Percolation thresholds in hyperbolic lattices. In PHYSICAL REVIEW E. ISSN 2470-0045, 2017, vol. 96, no. 4, 042116., Registrované v: WOS
3. [1.1] MNASRI, Karim - JEEVANESAN, Bhilahari - SCHMALIAN, Joerg. Critical phenomena in hyperbolic space. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 92, no. 13, 134423., Registrované v: WOS

ADCA336 GENZOR, Jozef - GENDIAR, Andrej - NISHINO, T. Phase transition of the Ising model on a fractal lattice. In *Physical Review E*, 2016, vol. 93, no. 1, 012141. (2015: 2.252 - IF, Q1 - JCR, 1.183 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 2470-0045. Dostupné na: <https://doi.org/10.1103/PhysRevE.93.012141>

Ohlasy:

1. [1.1] ADACHI, Daiki - OKUBO, Tsuyoshi - TODO, Synge. Anisotropic tensor renormalization group. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 102, no. 5, 054432., Registrované v: WOS
2. [1.1] AKAL, Ibrahim. Entanglement entropy on finitely ramified graphs. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 10, 106003., Registrované v: WOS
3. [1.1] AKIYAMA, Shinichiro - KURAMASHI, Yoshinobu - YAMASHITA, Takumi - YOSHIMURA, Yusuke. Phase transition of four-dimensional Ising model with higher-order tensor renormalization group. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 100, no. 5, 054510., Registrované v: WOS
4. [1.1] MYSHLYAVTSEV, A. - MYSHLYAVTSEVA, M. D. - AKIMENKO, S. S. Classical lattice models with single-node interactions on hierarchical lattices: The two-layer Ising model. In PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS. ISSN 0378-4371, 2020, vol. 558, 124919., Registrované v: WOS
5. [1.1] PERREAU, Michel. Ising model in planar lacunary and fractal lattices: A path counting approach. In PHYSICAL REVIEW B. ISSN 2469-9950, 2017, vol. 96, no. 17, 174407., Registrované v: WOS
6. [1.1] YANG, Shuo - GU, Zheng-Cheng - WEN, Xiao-Gang. Loop Optimization for Tensor Network Renormalization. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2017, vol. 118, no. 11, 110504., Registrované v: WOS

ADCA337 GENZOR, Jozef - BUŽEK, Vladimír - GENDIAR, Andrej. Thermodynamic model of social influence on two-dimensional square lattice: Case for two features. In *Physica A*, 2015, vol. 420, p. 200-211. (2014: 1.732 - IF, Q2 - JCR, 0.639 - SJR, Q2 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 0378-4371. Dostupné na: <https://doi.org/10.1016/j.physa.2014.10.093>

Ohlasy:

1. [1.1] GANDICA, Yerali - CHIACCHIERA, Silvia. Nature of phase transitions in Axelrod-like coupled Potts models in two dimensions. In *PHYSICAL REVIEW E*. ISSN 2470-0045, 2016, vol. 93, no. 3, 032132., Registrované v: WOS
2. [1.1] RADUCHA, Tomasz - GUBIEC, Tomasz. Coevolving complex networks in the model of social interactions. In *PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS*. ISSN 0378-4371, 2017, vol. 471, pp. 427-435., Registrované v: WOS
3. [1.1] TAHIRIDIMBISOA, Nirina M. Hasina - FANTAYE, Yabebal T. Symmetric group and the Axelrod model for dissemination of cultures. In *SCIENTIFIC AFRICAN*. ISSN 2468-2276, 2020, vol. 7, e00272. Dostupné na: <https://doi.org/10.1016/j.sciaf.2020.e00272>., Registrované v: WOS

ADCA338 GMUCA, Štefan. Finite-nuclei calculations based on relativistic mean-field effective interactions. In *Nuclear Physics A*, 1992, vol. 547, no. 3, p. 447-458. ISSN 0375-9474. Dostupné na: [https://doi.org/10.1016/0375-9474\(92\)90032-F](https://doi.org/10.1016/0375-9474(92)90032-F)

Ohlasy:

1. [1.1] BISWAL, S. K. - SINGH, S. K. - PATRA, S. K. Softness of Sn isotopes in relativistic semiclassical approximation. In *MODERN PHYSICS LETTERS A*. ISSN 0217-7323, 2015, vol. 30, no. 20, 1550097., Registrované v: WOS
2. [1.1] BISWAL, S. K. - SINGH, S. K. - BHUYAN, M. - PATRA, S. K. The Effects of Self Interacting Isoscalar-Vector Meson on Finite Nuclei and Infinite Nuclear Matter. In *BRAZILIAN JOURNAL OF PHYSICS*. ISSN 0103-9733, 2015, vol. 45, no. 3, pp. 347-352., Registrované v: WOS
3. [1.1] KUMAR, Bharat - PATRA, S. K. - AGRAWAL, B. K. New relativistic effective interaction for finite nuclei, infinite nuclear matter, and neutron stars. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2018, vol. 97, no. 4, 045806., Registrované v: WOS
4. [1.1] RATHER, Ishfaq A. - USMANI, A. A. - PATRA, S. K. Study of nuclear matter properties for hybrid EoS. In *JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS*. ISSN 0954-3899, 2020, vol. 47, no. 10, 105104., Registrované v: WOS
5. [1.1] RING, Peter. RELATIVISTIC BRUECKNER-HARTREE-FOCK THEORY: AN AB INITIO APPROACH FOR FINITE NUCLEI. In *ACTA PHYSICA POLONICA B PROCEEDINGS SUPPLEMENT*. ISSN 1899-2358, 2020, vol. 13, no. 3, pp. 507-515., Registrované v: WOS
6. [1.1] SHEN, Shihang - LIANG, Haozhao - LONG, Wen Hui - MENG, Jie - RING, Peter. Towards an ab initio covariant density functional theory for nuclear structure. In *PROGRESS IN PARTICLE AND NUCLEAR PHYSICS*. ISSN 0146-6410, 2019, vol. 109, UNSP 103713., Registrované v: WOS

ADCA339 GMUCA, Štefan. Relativistic mean-field parametrization of effective interaction in nuclear-matter. In *Zeitschrift fur Physik A*, 1992, vol. 342, no. 4, p. 387-392. ISSN 0939-7922. Dostupné na: <https://doi.org/10.1007/BF01294948>

Ohlasy:

1. [1.1] SHEN, Shihang - LIANG, Haozhao - LONG, Wen Hui - MENG, Jie - RING, Peter. Towards an ab initio covariant density functional theory for nuclear structure. In *PROGRESS IN PARTICLE AND NUCLEAR PHYSICS*. ISSN 0146-6410, 2019, vol. 109, UNSP 103713., Registrované v: WOS
2. [1.1] THAPA, Vivek Baruah - SINHA, Monika. Dense matter equation of state of a massive neutron star with antikaon condensation. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2020, vol. 102, no. 12, 123007., Registrované v: WOS

ADCA340 GMUCA, Štefan. Relativistic mean-field fit to microscopic results in nuclear-matter. In *Journal of Physics G*, 1991, vol. 17, no. 7, p. 1115-1126. ISSN 0954-3899. Dostupné na: <https://doi.org/10.1088/0954-3899/17/7/010>

Ohlasy:

1. [1.1] BEDNAREK, Ilona - PIENKOS, Monika. ISOSPIN ASYMMETRY AND NEUTRON STAR PROPERTIES. In *ACTA PHYSICA POLONICA B*. ISSN 0587-4254, 2017, vol. 48, no. 12, pp. 2365-2374., Registrované v: WOS
2. [1.1] SHEN, Shihang - LIANG, Haozhao - MENG, Jie - RING, Peter - ZHANG, Shuangquan. Fully self-consistent relativistic Brueckner-Hartree-Fock theory for finite nuclei. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2017, vol. 96, no. 1, 014316., Registrované v: WOS
3. [1.1] SHEN, Shihang - LIANG, Haozhao - LONG, Wen Hui - MENG, Jie - RING, Peter. Towards an ab initio covariant density functional theory for nuclear structure. In *PROGRESS IN PARTICLE AND NUCLEAR PHYSICS*. ISSN 0146-6410, 2019, vol. 109, UNSP 103713., Registrované v: WOS

ADCA341 GMUCOVÁ, Katarína - WEIS, Martin - NÁDAŽDY, Vojtech - CAPEK, Ignác - ŠATKA, A. - CHITU, Livia - CIRÁK, Július - MAJKOVÁ, Eva. Effect of charged deep states in hydrogenated amorphous silicon on the behavior of iron oxides nanoparticles deposited on its surface. In *Applied Surface Science*, 2008, vol. 254, p. 7008 - 7013. (2007: 1.406 - IF, Q2 - JCR, 0.791 - SJR, Q1 - SJR, Current Contents - CCC). (2008 - Current Contents). ISSN 0169-4332.

Ohlasy:

1. [1.1] BODISOVA, J. - SOTAK, T. - NAUMOWICZ, M. - SOKOLOVA, R. - HRONEC, M. - HIVES, J. - GAL, M. Electrochemical characterization of pyrophosphate-based catalysts for the oxidation of furfural in aqueous phase. In *JOURNAL OF ELECTROANALYTICAL CHEMISTRY*. ISSN 1572-6657, JUL 15 2018, vol. 821, SI, p. 126-130., Registrované v: WOS

ADCA342 GMUCOVÁ, Katarína - NÁDAŽDY, Vojtech - SCHAUER, F. - KAISER, Michal - MAJKOVÁ, Eva. Electrochemical spectroscopic methods for the fine band gap electronic structure mapping in organic semiconductors. In *Journal of Physical Chemistry C*, 2015, vol. 119, no. 28, p. 15926-15934. (2014: 4.772 - IF, Q1 - JCR,

2.032 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents). ISSN 1932-7447. Dostupné na: <https://doi.org/10.1021/acs.jpcc.5b04378>

Ohlasy:

1. [1.1] ACEVEDO-PENA, Prospero - BARAY-CALDERON, Alejandro - HU, Hailin - GONZALEZ, Ignacio - UGALDE-SALDIVAR, Victor M. Measurements of HOMO-LUMO levels of poly(3-hexylthiophene) thin films by a simple electrochemical method. In JOURNAL OF SOLID STATE ELECTROCHEMISTRY. ISSN 1432-8488, 2017, vol. 21, no. 8, pp. 2407-2414., Registrované v: WOS
2. [1.1] BOGDANOWICZ, Krzysztof Artur - JEWLOSZEWICZ, Beata - IWAN, Agnieszka - DYSZ, Karolina - PRZYBYL, Wojciech - JANUSZKO, Adam - MARZEC, Monika - CICHY, Kacper - SWIERCZEK, Konrad - KAVAN, Ladislav - ZUKALOVA, Marketa - NADAZDY, Vojtech - SUBAIR, Riyas - MAJKOVA, Eva - MICUSIK, Matej - OMASTOVA, Maria - OZEREN, Mehmet Derya - KAMARAS, Katalin - HEO, Do Yeon - KIM, Soo Young. Selected Electrochemical Properties of 4,4'-((1E,1'E)-((1,2,4-Thiadiazole-3,5-diyl)bis(azaneylylidene))bis(methaneylylidene))bis(N,N-di-p-tolylaniline) towards Perovskite Solar Cells with 14.4% Efficiency. In MATERIALS, 2020, vol. 13, no. 11, 2440., Registrované v: WOS
3. [1.1] CRUZ ZAVALA, A. S. - ESCOBAR-BARRIOS, V. A. Sulfonation of a flexible and unexpected electrically conductive polysulfone and its performance in perovskites solar cells. In MATERIALS TODAY CHEMISTRY. ISSN 2468-5194, 2020, vol. 16, 100212., Registrované v: WOS
4. [1.1] HANULIKOVA, Barbora - KURITKA, Ivo - URBANEK, Pavel. Effect of backbone conformation and its defects on electronic properties and assessment of the stabilizing role of pi-pi interactions in aryl substituted polysilylenes studied by DFT on deca[methyl(phenyl)silylene]s. In CHEMISTRY CENTRAL JOURNAL. ISSN 1752-153X, 2016, vol. 10, 28., Registrované v: WOS
5. [1.1] LIU, Mimi - LAI, Cheng-Yu - ZHANG, Meng - RADU, Daniela R. Cascade synthesis and optoelectronic applications of intermediate bandgap Cu₃VSe₄ nanosheets. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2020, vol. 10, no. 1, 21679., Registrované v: WOS
6. [1.1] MARKOVIC, Zoran M. - LABUDOVA, Martina - DANKO, Martin - MATIJASEVIC, Danka - MICUSIK, Matej - NADAZDY, Vojtech - KOVACOVA, Maria - KLEINOVA, Angela - SPITALSKY, Zdeno - PAVLOVIC, Vladimir - MILIVOJEVIC, Dusan D. - MEDIC, Mina - MARKOVIC, Biljana M. Todorovic. Highly Efficient Antioxidant F- and Cl-Doped Carbon Quantum Dots for Bioimaging. In ACS SUSTAINABLE CHEMISTRY & ENGINEERING. ISSN 2168-0485, 2020, vol. 8, no. 43, pp. 16327-16338., Registrované v: WOS
7. [1.1] MCLEOD, John A. - PITMAN, Amy L. - KURMAEV, Ernst Z. - FINKELSTEIN, Larisa D. - ZHIDKOV, Ivan S. - SAVVA, Achilleas - MOEWES, Alexander. Linking the HOMO-LUMO gap to torsional disorder in P3HT/PCBM blends. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2015, vol. 143, no. 22, 224704., Registrované v: WOS
8. [1.1] NAQVI, Samya - GUPTA, Neha - KUMARI, Neelam - JEWARIYA, Mukesh - KUMAR, Pramod - KUMAR, Rachana - CHAND, Suresh. Synthesis and ultrafast spectroscopic study of new [6,6]methanofullerenes. In RSC ADVANCES. ISSN 2046-2069, 2016, vol. 6, no.

30, pp. 24889-24897., Registrované v: WOS

9. [1.1] NAQVI, Samya - VASISTHA, Nikita - KUMAR, Mahesh - KUMAR, Rachana. Electron transport and ultrafast spectroscopic studies of new methanofullerenes bearing a heteroatom in the exohedral chain. In *NEW JOURNAL OF CHEMISTRY*. ISSN 1144-0546, 2019, vol. 43, no. 39, pp. 15626-15635., Registrované v: WOS

10. [1.1] RONCASELLI, Lucas K. M. - SILVA, Edilene A. - BRAUNGER, Maria Luisa - SOUZA, Nara C. - FERREIRA, Marystela - DE SANTANA, Henrique - OLIVATI, Clarissa A. Regioregularity and deposition effect on the physical/chemical properties of polythiophene derivatives films. In *NANOTECHNOLOGY*. ISSN 0957-4484, 2019, vol. 30, no. 32, 325703., Registrované v: WOS

11. [1.1] RUDOLPH, M. - RATCLIFF, E. L. Normal and inverted regimes of charge transfer controlled by density of states at polymer electrodes. In *NATURE COMMUNICATIONS*. ISSN 2041-1723, 2017, vol. 8, 1048., Registrované v: WOS

12. [1.1] TOKAROVA, Zita - MAXIANOVA, Petra - VARY, Tomas - NADAZDY, Vojtech - VEGH, Daniel - TOKAR, Kamil. Thiophene-centered azomethines: Structure, photophysical and electronic properties. In *JOURNAL OF MOLECULAR STRUCTURE*. ISSN 0022-2860, 2020, vol. 1204, 127492., Registrované v: WOS

ADCA343 GMUCOVÁ, Katarína - WEIS, Martin Jr. - BARANČOK, Drahoslav - CIRÁK, Július - TOMČÍK, Pavol - PAVLÁSEK, Juraj. Ion selectivity of a poly(3-pentylmethoxythiophene) LB-layer modified carbon-fiber microelectrode as a consequence of the second order filtering in voltacoulometry. In *Journal of Biochemical and Biophysical Methods*, 2007, vol. 70, no. 3, pp. 385-390. (2006: 1.403 - IF, Q4 - JCR). ISSN 0165-022X.

Ohlasy:

1. [1.1] GNAHORE, G.T. - VELASCO-TORRIJOS, T. - COLLERAN, J. The Selective Electrochemical Detection of Dopamine Using a Sulfated beta-Cyclodextrin Carbon Paste Electrode. In *ELECTROCATALYSIS*. ISSN 1868-2529, SEP 2017, vol. 8, no. 5, p. 459-471., Registrované v: WOS

ADCA344 GMUCOVÁ, Katarína - WEIS, Martin Jr. - BENKOVIČOVÁ, Monika - ŠATKA, A. - MAJKOVÁ, Eva. Microstructured nanoparticle membrane sensor based on non-Cottrellian diffusion. In *Journal of Electroanalytical Chemistry*, 2011, vol. 659, p. 58-62. (2010: 2.733 - IF, Q2 - JCR, 1.161 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents). ISSN 0022-0728. Dostupné na: <https://doi.org/10.1016/j.jelechem.2011.05.001>

Ohlasy:

1. [1.1] PARVEEN - KANT, Rama. General Theory for Pulse Voltammetric Techniques on Rough and Finite Fractal Electrodes for Reversible Redox System with Unequal Diffusivities. In *ELECTROCHIMICA ACTA*. ISSN 0013-4686, 2016, vol. 194, pp. 283-291., Registrované v: WOS

ADCA345 GMUCOVÁ, Katarína - ORLICKÝ, Jozef - PAVLÁSEK, Juraj. Non-cottrell behavior of the dopamine redox reaction observed on the carbon fibre microelectrode by the double-step voltacoulometry. In *Collection of Czechoslovak*

Chemical Communications, 2004, vol. 69, p. 419-425. (2003: 1.041 - IF, Current Contents - CCC). (2004 - Current Contents). ISSN 0010-0765.

Ohlasy:

1. [1.1] ELOUL, Shaltiel - COMPTON, Richard G. Charge Diffusion on the Surface of Particles with Simple Geometries. In *JOURNAL OF PHYSICAL CHEMISTRY C*. ISSN 1932-7447, 2015, vol. 119, no. 49, pp. 27540-27549., Registrované v: WOS

ADCA346 GMUCOVÁ, Katarína - WEIS, Martin - NÁDAŽDY, Vojtech - MAJKOVÁ, Eva. Orientation ordering of nanoparticle Ag/Co cores controlled by electric and magnetic fields. In *ChemPhysChem*, 2008, vol. 9, no. 7, p. 1036-1039. ISSN 1439-4235.

Ohlasy:

1. [1.1] SCARAMUZZA, Stefano - BADOCCO, Denis - PASTORE, Paolo - CORAL, Diego F. - FERNANDEZ VAN RAAP, Marcela B. - AMENDOLA, Vincenzo. Magnetically Assembled SERS Substrates Composed of Iron-Silver Nanoparticles Obtained by Laser Ablation in Liquid. In *CHEMPHYSICHEM*. ISSN 1439-4235, 2017, vol. 18, no. 9, pp. 1026-1034., Registrované v: WOS

ADCA347 GÖMÖRY, Fedor - SOLOVYOV, Mykola - ŠOUC, Ján - VOJENČIAK, Michal - ŠVEC, Peter. Dissipation in superconductor/ferromagnet multilayers for AC magnetic cloaking. In *Journal of Superconductivity and Novel Magnetism*, 2015, vol. 28, p. 725-729. (2014: 0.909 - IF, Q4 - JCR, 0.381 - SJR, Q3 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1557-1939. Dostupné na: <https://doi.org/10.1007/s10948-014-2655-4>

Ohlasy:

1. [1.1] ZHOU, P.B. - MA, G.T. - LIU, H. - YANG, C. - WANG, Z.T. - GONG, T.Y. In *JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM*. JUL 2016, vol. 29, no. 7, p. 1747-1753., Registrované v: WOS
2. [1.1] ZHOU, P.B. - MA, G.T. - WANG, Z.T. - GONG, T.Y. - YE, C.Q. - ZHANG, H. In *IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY*. JUN 2016, vol. 26, no. 4., Registrované v: WOS
3. [1.1] ZHOU, P.B. - MA, G.T. - WANG, Z.T. - YANG, C. In *IEEE MAGNETICS LETTERS*. 2016, vol. 7., Registrované v: WOS
4. [1.1] ZHOU, P.B. - MA, G.T. - YANG, C. - QUEVAL, L. - MEI, G.M. - LIU, K. - QIAN, H.Y. - LIU, K. In *IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY*. JUN 2017, vol. 27, no. 4., Registrované v: WOS

ADCA348 GONZÁLEZ-LEGARRETA, L. - ANDREJKA, František - MARCIN, Jozef - ŠVEC, Peter Jr. - VARGA, Marek - JANIČKOVIČ, Dušan - ŠVEC, Peter - ŠKORVÁNEK, Ivan. Magnetoimpedance effect in nanocrystalline Fe_{73.5}Cu₁Nb₃Si_{13.5}B₉ single-layer and bilayer ribbons. In *Journal of Alloys and Compounds*, 2016, vol. 688, p. 94-100. (2015: 3.014 - IF, Q1 - JCR, 0.957 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 0925-8388. Dostupné na: <https://doi.org/10.1016/j.jallcom.2016.06.240>

Ohlasy:

1. [1.1] FENG, Zhu - ZHI, Shaotao - WEI, Mingchen - ZHOU, Yong - LIU, Cui - LEI, Chong. An integrated three-dimensional micro-solenoid giant

magnetoimpedance sensing system based on MEMS technology. In SENSORS AND ACTUATORS A-PHYSICAL. ISSN 0924-4247, 2019, vol. 299, art. no. UNSP 111640., Registrované v: WOS

2. [1.1] TROJKOVA, Jana - ZIVOTSKY, Ondrej - HENDRYCH, Ales - MARKOV, Dmitry - DROBIKOVA, Klara. Magnetic Domain Patterns in Bilayered Ribbons Studied by Magnetic Force Microscopy and Magneto-Optical Kerr Microscopy. In SCANNING. ISSN 0161-0457, 2018., Registrované v: WOS

3. [1.1] YUZUAK, G. Durak - YUZUAK, E. - NEVRUZOGU, V. Magneto-Impedance in Co₃₅Fe₆₅/Cu/Co₃₅Fe₆₅ Single and Bi-layer Thin Films. In ELECTRONIC MATERIALS LETTERS. ISSN 1738-8090, 2020, vol. 16, no. 5, pp. 473-480., Registrované v: WOS

ADCA349 GORBINET, Thomas - YORDANOV, Orlin - DUCRET, Jean-Eric** - AUMANN, Thomas - AYYAD, Yassid - BIANCHIN, Sébastien - BORODINA, Olga - BOUDARD, Alain - CAESAR, Christoph - CASAREJOS, Enrique - CZECH, Bronislaw - HLAVÁČ, Stanislav - KLIMO, Jozef - KURZ, Nikolaus - LANGER, Christoph - LE BLEIS, Tudy - LERAY, Sylvie - LUKASIK, Jerzy - MANCUSI, Davide - PAWLOWSKI, Piotr - PIETRI, Stéphane - RAPPOLD, Christopher - SALSAC, Marie-Delphine - SIMON, Haik - VESELSKÝ, Martin. Study of the reaction mechanisms of Xe-136 + p and Xe-136+C-12 at 1 A GeV with inverse kinematics and large-acceptance detectors. In *European Physical Journal A*, 2019, vol. 55, no. 11, art. no. 11. (2018: 2.481 - IF, Q2 - JCR, 1.172 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 1434-6001. Dostupné na: <https://doi.org/10.1140/epja/i2019-12683-8>

Ohlasy:

1. [1.1] ARTEMENKOV, D. A. - BRADNOVA, V - CHERNYAVSKY, M. M. - FIRU, E. - HAIDUC, M. - KORNEGRUTSA, N. K. - MALAKHOV, A. - MITSOVA, E. - NEAGU, A. - PERESADKO, N. G. - RUSAKOVA, V. V. - STANOEVA, R. - ZAITSEV, A. A. - ZARUBIN, P. - ZARUBINA, I. G. Unstable states in dissociation of relativistic nuclei: Recent findings and prospects of research. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2020, vol. 56, no. 10, 250., Registrované v: WOS

ADCA350 GORBINET, T. - AUMANN, T. - BIANCHIN, S. - BORODINA, O. - BOUDARD, A. - CAESAR, C. - CASAJEROS, E. - CZECH, B. - DUCRET, J.E. - HLAVÁČ, Stanislav - KURZ, N. - LANGER, C. - LE BLEIS, T. - LERAY, S. - LUKASIK, J. - PAWLOWSKI, P. - PIETRI, S. - SALSAC, M.-D. - SIMON, H. - VESELSKÝ, Martin - AYYAD, Y. - YORDANOV, O. Study of the spallation of Xe-136 in collision with H-1 and C-12 at GeV per nucleon. In *Physica Scripta*, 2012, t150, 014015. (2011: 1.204 - IF, Q2 - JCR, 0.428 - SJR, Q2 - SJR, Current Contents - CCC). (2012 - Current Contents). ISSN 0031-8949. Dostupné na: <https://doi.org/10.1088/0031-8949/2012/T150/014015>

Ohlasy:

1. [1.1] NAPOLITANI, P. - COLONNA, M. Frustrated fragmentation and re-aggregation in nuclei: A non-equilibrium description in spallation. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 92, no. 3, 034607., Registrované v: WOS

2. [1.1] NAPOLITANI, P. - COLONNA, M. A non-equilibrium microscopic description of spallation. In NUOVO CIMENTO C-COLLOQUIA

AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, 2016, vol. 39, no. 6, 384., Registrované v: WOS

3. [1.1] NIU, Fei - MA, Chun-Wang. Pairing-energy coefficients of neutron-rich fragments in spallation reactions. In CHINESE PHYSICS C. ISSN 1674-1137, 2018, vol. 42, no. 3, 034102., Registrované v: WOS

4. [1.1] SINGH, Uday - FILGES, Detlef - GOLDENBAUM, Frank - KAMYS, Boguslaw - RUDY, Zbigniew - SHARMA, Sushil K. The predictive power of spallation models for isotopic cross sections. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2018, vol. 54, no. 6, 109., Registrované v: WOS

ADCA351 GOSSET, D. - NAGAJ, Daniel. Quantum 3-SAT is QMA(1)-complete. In *SIAM Journal on Computing*, 2016, vol. 45, no. 3, p. 1080-1128. (2015: 0.841 - IF, Q2 - JCR, 1.530 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0097-5397. Dostupné na: <https://doi.org/10.1137/140957056>

Ohlasy:

1. [1.1] ARAD, Itai - SANTHA, Miklos - SUNDARAM, Aarthi - ZHANG, Shengyu. Linear-Time Algorithm for Quantum 2SAT. In THEORY OF COMPUTING. ISSN 1557-2862, 2018, vol. 14, UNSP 1., Registrované v: WOS

2. [1.1] BAUSCH, Johannes - CUBITT, Toby - OZOLS, Maris. The Complexity of Translationally Invariant Spin Chains with Low Local Dimension. In ANNALES HENRI POINCARÉ. ISSN 1424-0637, 2017, vol. 18, no. 11, pp. 3449-3513., Registrované v: WOS

3. [1.1] BROADBENT, Anne - JI, Zhengfeng - SONG, Fang - WATROUS, John. ZERO-KNOWLEDGE PROOF SYSTEMS FOR QMA. In SIAM JOURNAL ON COMPUTING. ISSN 0097-5397, 2020, vol. 49, no. 2, pp. 245-283., Registrované v: WOS

4. [1.1] MORAMPUDI, Siddhardh C. - LAUMANN, Chris R. Many-body systems with random spatially local interactions. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 100, no. 24, 245152., Registrované v: WOS

ADCA352 GRANČIČ, B.** - PLEVA, M. - MIKULA, Marian - ČAPLOVIČOVÁ, M. - SATRAPINSKY, L. - ROCH, T. - TRUCHLÝ, M. - SAHUL, M. - GREGOR, M. - ŠVEC, Peter - ZAHORAN, M. - KÚŠ, P. Stoichiometry, structure and mechanical properties of co-sputtered Ti_{1-x}Ta_xB₂ (+/-) (Delta) coatings. In *Surface & Coatings Technology*, 2019, vol. 367, p. 341-348. (2018: 3.192 - IF, Q1 - JCR, 0.973 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 0257-8972. Dostupné na: <https://doi.org/10.1016/j.surfcoat.2019.04.017>

Ohlasy:

1. [1.1] MOSCICKI, Tomasz - PSIUK, Rafal - SLOMINSKA, Hanna - LEVINTANT-ZAYONTS, Neonila - GARBIEC, Dariusz - PISAREK, Marcin - BAZARNIK, Piotr - NOSEWICZ, Szymon - CHRZANOWSKA-GIZYNSKA, Justyna. Influence of overstoichiometric boron and titanium addition on the properties of RF magnetron sputtered tungsten borides. In SURFACE & COATINGS TECHNOLOGY. ISSN 0257-8972, 2020, vol. 390, 125689., Registrované v: WOS

ADCA353 GREENLEES, P.T. - RUBERT, J. - PIOT, J. - GALL, B.J.P. - ANDERSSON, L.L. - ASAI, M. - ASFARI, Z. - COX, D.M. - DECHERY, F. - DORVAUX, O. -

GRAHN, T. - HAUSCHILD, K. - HENNING, G. - HERZAN, A. - HERZBERG, R.D. - HESSBERGER, F.P. - JAKOBSSON, U. - JONES, P. - JULIN, R. - JUUTINEN, S. - KETELHUT, S. - KHOO, T.L. - LEINO, M. - LJUNGVALL, J. - LOPEZ-MARTENS, A. - LOZEVA, R. - NIEMINEN, P. - PAKARINEN, J. - PAPADAKIS, P. - PARR, E. - PEURA, P. - RAHKILA, P. - RINTA-ANTILA, S. - RUOTSALAINEN, P. - SANDZELIUS, M. - SAREN, J. - SCHOLEY, C. - SEWERYNIAK, D. - SORRI, J. - SULIGNANO, B. - THEISEN, Ch. - UUSITALO, J. - VENHART, Martin. Shell-Structure and Pairing Interaction in Superheavy Nuclei: Rotational Properties of the Z=104 Nucleus (256)Rf. In *Physical Review Letters*, 2012, vol. 109, no. 1, 012501. (2011: 7.370 - IF, Q1 - JCR, 6.314 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.109.012501>

Ohlasy:

1. [1.1] BLOCK, Michael. Precise ground state properties of the heaviest elements for studies of their atomic and nuclear structure. In RADIOCHIMICA ACTA. ISSN 0033-8230, 2019, vol. 107, no. 7, pp. 603-613., Registrované v: WOS
2. [1.1] BLOCK, M. Direct mass measurements of the heaviest elements with Penning traps. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2015, vol. 944, pp. 471., Registrované v: WOS
3. [1.1] DOBACZEWSKI, J. - AFANASJEV, A. V. - BENDER, M. - ROBLEDO, L. M. - SHI, Yue. Properties of nuclei in the nobelium region studied within the covariant, Skyrme, and Gogny energy density functionals. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2015, vol. 944, pp. 388., Registrované v: WOS
4. [1.1] FLECK, K. - CAVANAGH, N. - SARRI, G. Conceptual Design of a High-flux Multi-GeV Gamma-ray Spectrometer. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2020, vol. 10, no. 1, 9894., Registrované v: WOS
5. [1.1] GIULIANI, S. A. - MATHESON, Z. - NAZAREWICZ, W. - OLSEN, E. - REINHARD, P.G. - SADHUKHAN, J. - SCHUETRUMPF, B. - SCHUNCK, N. - SCHWERDTFEGGER, P. Colloquium: Superheavy elements: Oganesson and beyond. In REVIEWS OF MODERN PHYSICS. ISSN 0034-6861, 2019, vol. 91, no. 1, 011001., Registrované v: WOS
6. [1.1] HEENEN, P.H. - SKALSKI, J. - STASZCZAK, A. - VRETENAR, D. Shapes and alpha- and beta-decays of superheavy nuclei. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2015, vol. 944, pp. 415., Registrované v: WOS
7. [1.1] HOFMANN, Sigurd. Super-heavy nuclei. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2015, vol. 42, no. 11, 114001., Registrované v: WOS
8. [1.1] HOFMANN, Sigurd. Synthesis and properties of isotopes of the transactinides. In RADIOCHIMICA ACTA. ISSN 0033-8230, 2019, vol. 107, no. 9-11, pp. 879-915., Registrované v: WOS
9. [1.1] CHAI, Qing-Zhen - ZHAO, Wei-Juan - WANG, Hua-Lei - LIU, Min-Liang - XU, Fu-Rong. The triaxiality and Coriolis effects on the fission barrier in isovolumic nuclei with mass number A=256 based on multidimensional total Routhian surface calculations. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS. ISSN 2050-3911, 2018, no. 5, 053D02., Registrované v: WOS

10. [1.1] CHAI, Q. Z. - ZHAO, W. J. - WANG, H. L. Similar alignment based on total-Routhian-surface approach in an alpha-decay chain from Po-216 to (272)Cn. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E. ISSN 0218-3013, 2018, vol. 27, no. 6, 1850050., Registrované v: WOS
11. [1.1] JUNGCLAUS, Andrea. Single particle versus collectivity, shapes of exotic nuclei. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2016, vol. 131, no. 3, 59., Registrované v: WOS
12. [1.1] KHUYAGBAATAR, J. - MISTRY, A. K. - ACKERMANN, D. - ANDERSSON, L-L - BLOCK, M. - BRAND, H. - DUELLMANN, Ch E. - EVEN, J. - HESSBERGER, F. P. - HOFFMANN, J. - HUEBNER, A. - JAEGER, E. - KINDLER, B. - KRIER, J. - KURZ, N. - LOMMEL, B. - SCHAUSTEN, B. - STEINER, J. - YAKUSHEV, A. - YAKUSHEVA, V. The identification and confirmation of isomeric states in (254)Rf and (255)Rf through conversion electron detection. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2020, vol. 994, 121662., Registrované v: WOS
13. [1.1] KORTEN, W. - ATAC, A. - BEAUMEL, D. - et al. Physics opportunities with the Advanced Gamma Tracking Array: AGATA. In EUROPEAN PHYSICAL JOURNAL A, 2020, vol. 56, no. 5., Registrované v: WOS
14. [1.1] LI, Yu-Chun - HE, Xiao-Tao. Rotational properties of the odd-Z transfermium nucleus Lr-255 by a particle-number-conserving method in the cranked shell model. In SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY. ISSN 1674-7348, 2016, vol. 59, no. 7, 672011., Registrované v: WOS
15. [1.1] NERLO-POMORSKA, Bozena - POMORSKI, Krzysztof - BARTEL, J. ROTATIONAL BANDS IN SUPER-HEAVY NUCLEI WITHIN THE LSD plus YF MODEL. In ACTA PHYSICA POLONICA B PROCEEDINGS SUPPLEMENT. ISSN 1899-2358, 2019, vol. 12, no. 3, pp. 665-670., Registrované v: WOS
16. [1.1] PRASSA, V. - LU, Bing-Nan - NIKSIC, T. - ACKERMANN, D. - VRETENAR, D. High-K isomers in transactinide nuclei close to N=162. In NUCLEAR STRUCTURE AND DYNAMICS '15. ISSN 0094-243X, 2015, vol. 1681, 030017., Registrované v: WOS
17. [1.1] PRASSA, V. - LU, Bing-Nan - NIKSIC, T. - ACKERMANN, D. - VRETENAR, D. High-K isomers in transactinide nuclei close to N=162. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 91, no. 3, 034324., Registrované v: WOS
18. [1.1] SINGH, Balraj. Nuclear Data Sheets for A=256. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2017, vol. 141, pp. 327-364., Registrované v: WOS
19. [1.1] STONE, J. R. - GUICHON, P. A. M. - REINHARD, P. G. - THOMAS, A. W. Finite Nuclei in the Quark-Meson Coupling Model. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2016, vol. 116, no. 9, 092501., Registrované v: WOS

ADCA354 GREENSITE, Jeff - OLEJNÍK, Štefan - ZWANZIGER, Daniel. Center vortices and the Gribov horizon. In *Journal of High Energy Physics*, 2005, vol. 05, no. 070, p. 0-38. Dostupné na: <https://doi.org/10.1088/1126-6708/2005/05/070>
Ohlasy:

1. [1.1] BURGIO, Giuseppe - QUANDT, Markus - REINHARDT,

- Hugo - VOGT, Hannes. Gribov horizon and Gribov copies effect in lattice Coulomb gauge. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 1, 014503., Registrované v: WOS
2. [1.1] CAMPAGNARI, Davide - REINHARDT, Hugo. Variational and Dyson-Schwinger equations of Hamiltonian quantum chromodynamics. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 5, 054027., Registrované v: WOS
3. [1.1] CAMPAGNARI, Davide - REINHARDT, Hugo. Equal-time quark propagator in Coulomb gauge. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 100, no. 11, 114042., Registrované v: WOS
4. [1.1] GOMES, Henrique - HOPFMULLER, Florian - RIELLO, Aldo. A unified geometric framework for boundary charges and dressings: Non-Abelian theory and matter. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2019, vol. 941, pp. 249-315., Registrované v: WOS
5. [1.1] GUIMARAES, M. S. - MINTZ, B. W. - SORELLA, S. P. Dimension two condensates in the Gribov-Zwanziger theory in Coulomb gauge. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 12, 121701(R)., Registrované v: WOS
6. [1.1] MAAS, Axel. More on the properties of the first Gribov region in Landau gauge. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 5, 054504., Registrované v: WOS
7. [1.1] MAAS, Axel. Propagators and topology. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 3, 122., Registrované v: WOS
8. [1.1] REINHARDT, H. - BURGIO, G. - CAMPAGNARI, D. - EBADATI, E. - HEFFNER, J. - QUANDT, M. - VASTAG, P. - VOGT, H. Hamiltonian approach to QCD in Coulomb gauge at zero and finite temperature. In XIITH QUARK CONFINEMENT AND THE HADRON SPECTRUM. ISSN 2100-014X, 2017, vol. 137, UNSP 03019., Registrované v: WOS

ADCA355 GREENSITE, Jeff - OLEJNÍK, Štefan - ZWANZIGER, Daniel. Coulomb energy, remnant symmetry, and the phases of non-Abelian gauge theories. In *Physical Review D*, 2004, vol. 69, no. 7, 074506. (2003: 4.599 - IF, Current Contents - CCC). (2004 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.69.074506>

Ohlasy:

1. [1.1] BURGIO, Giuseppe - QUANDT, Markus - REINHARDT, Hugo - VOGT, Hannes. Coulomb versus physical string tension on the lattice. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 3, 034518., Registrované v: WOS
2. [1.1] CAPRI, M. A. L. - FIORENTINI, D. - SORELLA, S. P. Gribov horizon and non-perturbative BRST symmetry in the maximal Abelian gauge. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 751, pp. 262., Registrované v: WOS
3. [1.1] CAPRI, M. A. L. - PEREIRA, A. D. - SOBREIRO, R. F. - SORELLA, S. P. Non-perturbative treatment of the linear covariant gauges by taking into account the Gribov copies. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 10, 479., Registrované v: WOS
4. [1.1] GUIMARAES, M. S. - MINTZ, B. W. - SORELLA, S. P. Dimension two condensates in the Gribov-Zwanziger theory in Coulomb gauge.

In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 12, 121701(R)., Registrované v: WOS

5. [1.1] KONDO, Kei-Ichi - WATANABE, Masaki - HAYASHI, Yui - MATSUDO, Ryutaro - SUDA, Yutaro. Reflection positivity and complex analysis of the Yang-Mills theory from a viewpoint of gluon confinement. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2020, vol. 80, no. 2, 84., Registrované v: WOS

6. [1.1] KONDO, Kei-Ichi. Gauge-invariant description. In PHYSICS LETTERS B, 2016, vol. 762, pp. 219-224., Registrované v: WOS

7. [1.1] KONDO, Kei-Ichi. Gauge-independent Higgs mechanism and the implications for quark confinement. In XIITH QUARK CONFINEMENT AND THE HADRON SPECTRUM. ISSN 2100-014X, 2017, vol. 137, UNSP 03009., Registrované v: WOS

8. [1.1] KONDO, Kei-Ichi. Gauge-independent Brout-Englert-Higgs mechanism and Yang-Mills theory with a gauge-invariant gluon mass term. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 7, 577., Registrované v: WOS

9. [1.1] MAAS, Axel. Brout-Englert-Higgs physics: From foundations to phenomenology. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2019, vol. 106, pp. 132-209., Registrované v: WOS

10. [1.1] OXMAN, L. E. - REINHARDT, H. Effective theory of the $D=3$ center vortex ensemble. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2018, vol. 78, no. 3, 177., Registrované v: WOS

11. [1.1] OXMAN, L. E. - SANTOS-ROSA, G. C. Detecting topological sectors in continuum Yang-Mills theory and the fate of BRST symmetry. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 12, 125025., Registrované v: WOS

12. [1.1] REINHARDT, H. - BURGIO, G. - CAMPAGNARI, D. - QUANDT, M. - VASTAG, P. - VOGT, H. - EBADATI, E. Hamiltonian approach to QCD in Coulomb gauge: Gribov's confinement scenario at work. In 5TH INTERNATIONAL CONFERENCE ON NEW FRONTIERS IN PHYSICS. ISSN 2100-014X, 2017, vol. 164, 03004., Registrované v: WOS

13. [1.1] REINHARDT, H. - BURGIO, G. - CAMPAGNARI, D. - EBADATI, E. - HEFFNER, J. - QUANDT, M. - VASTAG, P. - VOGT, H. Hamiltonian approach to QCD in Coulomb gauge at zero and finite temperature. In XIITH QUARK CONFINEMENT AND THE HADRON SPECTRUM. ISSN 2100-014X, 2017, vol. 137, UNSP 03019., Registrované v: WOS

14. [1.1] REINHARDT, H. - BURGIO, G. - CAMPAGNARI, D. - EBADATI, E. - HEFFNER, J. - QUANDT, M. - VASTAG, P. - VOGT, H. Hamiltonian Approach to QCD in Coulomb Gauge: A Survey of Recent Results. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2018, 2312498., Registrované v: WOS

15. [1.1] REINHARDT, H. - VASTAG, P. Chiral and deconfinement phase transition in the Hamiltonian approach to QCD in Coulomb gauge. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 10, 105005., Registrované v: WOS

16. [1.1] VASTAG, P. - REINHARDT, H. - CAMPAGNARI, D. Improved variational approach to QCD in Coulomb gauge. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 6, 065003., Registrované v: WOS

17. [3.1] REINHARDT, H. Hamiltonian approach to QCD in Coulomb gauge. In PREPRINT HEP-TH/1607.08143, 2016.

ADCA356 GREENSITE, Jeff - OLEJNÍK, Štefan. Coulomb energy, vortices, and confinement. In *Physical Review D*, 2003, vol. 67, no. 9, 094503. (2002: 4.358 - IF, Current Contents - CCC). (2003 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.67.094503>

Ohlasy:

1. [1.1] AYALA, Cesar - GONZALEZ, Pedro - VENTO, Vicente. Heavy quark potential from QCD-related effective coupling. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2016, vol. 43, no. 12, 125002., Registrované v: WOS
2. [1.1] BURGIO, Giuseppe - QUANDT, Markus - REINHARDT, Hugo - VOGT, Hannes. Coulomb versus physical string tension on the lattice. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 3, 034518., Registrované v: WOS
3. [1.1] BURGIO, Giuseppe - QUANDT, Markus - REINHARDT, Hugo - VOGT, Hannes. Gribov horizon and Gribov copies effect in lattice Coulomb gauge. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 1, 014503., Registrované v: WOS
4. [1.1] DAWID, Sebastian M. - SZCZEPANIAK, Adam P. Coulomb flux tube revisited. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 100, no. 7, 074508., Registrované v: WOS
5. [1.1] DEUR, Alexandre - BRODSKY, Stanley J. - DE TERAMOND, Guy F. The QCD running coupling. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2016, vol. 90, pp. 1-74., Registrované v: WOS
6. [1.1] MAAS, Axel. Brout-Englert-Higgs physics: From foundations to phenomenology. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2019, vol. 106, pp. 132-209., Registrované v: WOS
7. [1.1] QUANDT, Markus - EBADATI, Ehsan - REINHARDT, Hugo - VASTAG, Peter. Chiral symmetry restoration at finite temperature within the Hamiltonian approach to QCD in Coulomb gauge. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 3, 034012., Registrované v: WOS
8. [1.1] REINHARDT, H. - BURGIO, G. - CAMPAGNARI, D. - EBADATI, E. - HEFFNER, J. - QUANDT, M. - VASTAG, P. - VOGT, H. Hamiltonian approach to QCD in Coulomb gauge at zero and finite temperature. In XIITH QUARK CONFINEMENT AND THE HADRON SPECTRUM. ISSN 2100-014X, 2017, vol. 137, UNSP 03019., Registrované v: WOS
9. [1.1] REINHARDT, H. - CAMPAGNARI, D. - HEFFNER, J. - QUANDT, M. - VASTAG, P. Hamiltonian approach to QCD in Coulomb gauge: From the vacuum to finite temperatures. In 4TH INTERNATIONAL CONFERENCE ON NEW FRONTIERS IN PHYSICS. ISSN 2100-014X, 2016, vol. 126, 01002., Registrované v: WOS
10. [3.1] AYALA, C.- GONZÁLEZ, P.- VENTO, V. Dynamical gluon mass and linear confinement. In PREPRINT HEP-PH/ 1509.01382, 2015.
11. [3.1] REINHARDT, H. et al. Hamiltonian approach to QCD in Coulomb gauge. In PREPRINT HEP-TH/ 1510.03286, 2015.

ADCA357 GREENSITE, Jeff - OLEJNÍK, Štefan. k-string tensions and center vortices at large N. In *Journal of High Energy Physics*, 2002, vol. 6, no. 9, 039. ISSN 1029-8479.

Ohlasy:

1. [1.1] OXMAN, L. E. - SIMOES, G. M. k-strings with exact Casimir law and Abelian-like profiles. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2019, vol. 99, no. 1, 016011., Registrované v: WOS

ADCA358 GREENSITE, J. - LANGFELD, K. - OLEJNÍK, Štefan - REINHARDT, H. - TOK, T. Color screening, Casimir scaling, and domain structure in G(2) and SU(N) gauge theories. In *Physical Review D*, 2007, vol. 75, no. 3, 034501. (2006: 4.896 - IF, Q1 - JCR, 2.381 - SJR, Q1 - SJR, Current Contents - CCC). (2007 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.75.034501>

Ohlasy:

1. [1.1] AHMADI, Alireza - RAFIBAKHSH, Shahnoosh. Confinement Through a Two Dimensional Flux of the Thick Center Vortices. In *INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS*. ISSN 0020-7748, 2017, vol. 56, no. 2, pp. 386-395., Registrované v: WOS
2. [1.1] BONATI, Claudio. Topology and theta dependence in finite temperature G(2) lattice gauge theory. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 03, 2015, 006., Registrované v: WOS
3. [1.1] BRUNO, Mattia - CASELLE, Michele - PANERO, Marco - PELLEGRINI, Roberto. Exceptional thermodynamics: the equation of state of G(2) gauge theory. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 03, 2015, 057., Registrované v: WOS
4. [1.1] DEHGHAN, Z. - DELDAR, S. Cho decomposition, Abelian gauge fixing, and monopoles in G(2) Yang-Mills theory. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2019, vol. 99, no. 11, 116024., Registrované v: WOS
5. [1.1] HAJIZADEH, Ouraman - MAAS, Axel. Constructing a neutron star from the lattice in G(2)-QCD. In *EUROPEAN PHYSICAL JOURNAL A*. ISSN 1434-6001, 2017, vol. 53, no. 10, 207., Registrované v: WOS
6. [1.1] CHOWDHURY, S. Hasibul Hassan. On Goldman bracket for G(2) gauge group. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2016, 02, no. 2, 001., Registrované v: WOS
7. [1.1] KONDO, Kei-Ichi - KATO, Seikou - SHIBATA, Akihiro - SHINOHARA, Toru. Quark confinement: Dual superconductor picture based on a non-Abelian Stokes theorem and reformulations of Yang-Mills theory. In *PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS*. ISSN 0370-1573, 2015, vol. 579, pp. 1-226., Registrované v: WOS
8. [1.1] MATSUDO, Ryutaro - KONDO, Kei-Ichi. Gauge-covariant decomposition and magnetic monopole for G(2) Yang-Mills field. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2016, vol. 94, no. 4, 045004., Registrované v: WOS
9. [1.1] MITTER, M. - HOPFER, M. - SCHAEFER, B.J. - ALKOFER, R. Center phase transition from matter propagators in (scalar) QCD. In *PHYSICS LETTERS B*. ISSN 0370-2693, 2018, vol. 777, pp. 114-120., Registrované v: WOS
10. [1.1] NEJAD, Seyed Mohsen Hosseini - DELDAR, Sedigheh.

Contributions of the center vortices and vacuum domain in potentials between static sources. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 03, 2015, 016., Registrované v: WOS

11. [1.1] NEJAD, Seyed Mohsen Hosseini - DELDAR, Sedigheh. Correlations between Abelian monopoles and center vortices. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2017, vol. 917, pp. 272-285., Registrované v: WOS

12. [1.1] NEJAD, Seyed Mohsen Hosseini. Domain structures and quark potentials in SU(3) gauge theory. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 100, no. 11, 114504., Registrované v: WOS

13. [1.1] OXMAN, L. E. - VERCAUTEREN, D. Exploring center strings in SU(2) and SU(3) relativistic Yang-Mills-Higgs models. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 2, 025001., Registrované v: WOS

14. [1.1] RAFIBAKHSH, Shahnoosh - AHMADI, Alireza. Two Dimensional Thick Center Vortex Model. In AIP CONFERENCE PROCEEDINGS, 2016, vol. 1701, pp. 100015., Registrované v: WOS

15. [1.1] RAFIBAKHSH, Shahnoosh - SHAHLAEI, Amir. Confinement in F-4 Exceptional Gauge Group Using Domain Structures. In XIITH QUARK CONFINEMENT AND THE HADRON SPECTRUM. ISSN 2100-014X, 2017, vol. 137, UNSP 13013., Registrované v: WOS

16. [1.1] SHAHLAEI, Amir - RAFIBAKHSH, Shahnoosh. F-4, E-6 and G(2) exceptional gauge groups in the vacuum domain structure model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 5, 056015., Registrované v: WOS

17. [1.1] SIMONOV, Yu A. Field correlator method for the confinement in QCD. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 99, no. 5, 056012., Registrované v: WOS

18. [3.1] KUBRAK, S. Static and dynamic properties of QCD bound states. In PhD Thesis, Justus-Liebig-University, Giesen 2015, 11560.

19. [3.1] WELLEGEHAUSEN, B.H.- Lorenz von SMEKAL. Lattice simulations of G2-QCD at finite density. In PROCEEDINGS OF SCIENCE, 2015, p. 177.

ADCA359 GREENSITE, J. - OLEJNÍK, Štefan. Coulomb confinement from the Yang-Mills vacuum state in 2+1 dimensions. In *Physical Review D*, 2010, vol. 81, no. 7, 074504. (2009: 4.922 - IF, 2.792 - SJR, Q1 - SJR, Current Contents - CCC). (2010 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.81.079903>

Ohlasy:

1. [1.1] MAAS, Axel. Some more details of minimal-Landau-gauge SU(2) Yang-Mills propagators. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 3, 034502., Registrované v: WOS

ADCA360 GREENSITE, J. - OLEJNÍK, Štefan. Dimensional reduction and the Yang-Mills vacuum state in 2+1 dimensions. In *Physical Review D*, 2008, vol. 77, no. 6, 065003. (2007: 4.696 - IF, Q1 - JCR, 2.593 - SJR, Q1 - SJR, Current Contents - CCC). (2008 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.77.065003>

Ohlasy:

1. [1.1] GIATAGANAS, Dimitrios. k-strings as fundamental strings. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 5, 134., Registrované v: WOS
2. [1.1] POPPITZ, Erich - SHALCHIAN, M. Erfan T. String tensions in deformed Yang-Mills theory. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2018, no. 1, 029., Registrované v: WOS
3. [3.1] GIATAGANAS, D. Properties of confinement in holography. In PROCEEDINGS OF SCIENCE, 2015, p. 150.

ADCA361 GREENSITE, J. - OLEJNÍK, Štefan - POLIKARPOV, M.I. - SYRITSYN, S.N. - ZAKHAROV, V.I. Localized eigenmodes of covariant Laplacians in the Yang-Mills vacuum. In *Physical Review D*, 2005, vol. 71, no. 11, 114507. (2004: 5.156 - IF, Current Contents - CCC). (2005 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.71.114507>

Ohlasy:

1. [1.1] GORSKY, Alexander S. - KHARZEEV, Dmitri E. Tensor supercurrent in QCD. In PHYSICAL REVIEW D. ISSN 1550-7998, 2020, vol. 101, no. 11, 114002., Registrované v: WOS
2. [1.1] GORSKY, A. - LITVINOV, M. Metal or insulator? Dirac operator spectrum in holographic QCD. In PHYSICS LETTERS B. ISSN 0370-2693, 2019, vol. 795, pp. 379-385., Registrované v: WOS
3. [1.1] UJFALUSI, Laszlo - GIORDANO, Matteo - PITTLER, Ferenc - KOVACS, Tamas G. - VARGA, Imre. Anderson transition and multifractals in the spectrum of the Dirac operator of quantum chromodynamics at high temperature. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 9, 094513., Registrované v: WOS

ADCA362 GREENSITE, J. - KOVALENKO, A.V. - OLEJNÍK, Štefan - POLIKARPOV, M.I. - SYRITSYN, S.N. - ZAKHAROV, V.I. Peculiarities in the spectrum of the adjoint scalar kinetic operator in Yang-Mills theory. In *Physical Review D*, 2006, vol. 74, no. 9, 094507. Dostupné na: <https://doi.org/10.1103/PhysRevD.74.094507>

Ohlasy:

1. [1.1] KATAEV, A. L. - MOLOKOEDOV, V. S. Fourth-order QCD renormalization group quantities in the V scheme and the relation of the beta function to the Gell-Mann-Low function in QED. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 5, 054008., Registrované v: WOS
2. [1.1] MAAS, Axel. Quenched SU(2) scalar-gluon vertex in minimal Landau gauge. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 99, no. 11, 114503., Registrované v: WOS
3. [1.1] MAAS, Axel. Quenched SU(2) adjoint scalar propagator in minimal Landau gauge. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 99, no. 5, 054504., Registrované v: WOS
4. [1.1] MAAS, Axel. The quenched SU(2) fundamental scalar propagator in minimal Landau gauge. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2016, vol. 76, no. 7, 366., Registrované v: WOS
5. [3.1] KATAEV, A.L.- MOLOKOEDOV, V.S. The four-loop renormalization group QCD. In PREPRINT HEP-PH/ 1504.06571, 2015.

ADCA363 GREENSITE, J. - MATEVOSYAN, H. - OLEJNÍK, Štefan - QUANDT, M. - REINHARDT, H. - SZCZEPANIAK, P. Testing proposals for the Yang-Mills vacuum wavefunctional by measurement of the vacuum. In *Physical Review D*, 2011, vol. 83, 114509. (2010: 4.964 - IF, Q1 - JCR, 2.759 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.83.114509>

Ohlasy:

1. [1.1] AGUILAR, A. C. - BINOSI, D. - PAPAVALASSILOU, J. The gluon mass generation mechanism: A concise primer. In *FRONTIERS OF PHYSICS*. ISSN 2095-0462, 2016, vol. 11, no. 2, 111203., Registrované v: WOS
2. [1.1] PAPAVALASSILOU, J. Unraveling the organization of the QCD tapestry. In *JOURNAL OF PHYSICS: CONFERENCE SERIES*, 2015, vol. 631, 012006., Registrované v: WOS

ADCA364 GRGAC, P. - MORAVCIK, R. - KUSY, M. - TOTTH, I. - MIGLIERINI, M. - ILLEKOVÁ, Emília. Thermal stability of metastable austenite in rapidly solidified chromium-molybdenum-vanadium tool steel powder. In *Materials Science and Engineering A*, 2004, vol. 375, p. 581-584. (2003: 1.363 - IF, Current Contents - CCC). (2004 - Current Contents, WOS, SCOPUS). ISSN 0921-5093. Dostupné na: <https://doi.org/10.1016/j.msea.2003.10.036>

Ohlasy:

1. [1.1] CARDAKH, Ismail Seckin - KALKANLI, Ali. Effect of solidification rate on microstructure and primary carbides of AISI DC 53 cold work tool steel. In *CHINA FOUNDRY*. ISSN 1672-6421, 2019, vol. 16, no. 3, pp. 211-216., Registrované v: WOS
2. [1.1] CARDAKLI, Ismail Seckin - KALKANLI, Ali. Refinement of primary carbides in AISI DC 53 cold work tool steel by thin section copper permanent mould casting and water atomization. In *INTERNATIONAL JOURNAL OF CAST METALS RESEARCH*. ISSN 1364-0461, 2019, vol. 32, no. 3, pp. 145-153., Registrované v: WOS
3. [1.1] MASSAR, Christopher - TSAKNOPOULOS, Kyle - SOUSA, Bryer C. - GRUBBS, Jack - COTE, Danielle L. Heat Treatment of Recycled Battlefield Stainless-Steel Scrap for Cold Spray Applications. In *JOM*. ISSN 1047-4838, 2020, vol. 72, no. 9, pp. 3080-3089., Registrované v: WOS

ADCA365 GU, N. - HENLEY, C.L. - MIHALKOVIČ, Marek. Co-rich decagonal Al-Co-Ni: predicting structure, orientational order and puckering. In *Philosophical Magazine*, 2006, vol. 86, no. 3-5, p. 593-599. (2005: 1.470 - IF, Q1 - JCR, 1.086 - SJR, Q1 - SJR). ISSN 1478-6435. Dostupné na: <https://doi.org/10.1080/14786430500263405>

Ohlasy:

1. [1.1] BASARIYA, M. Raviathul - ROY, Rajat K. - PRAMANICK, A. K. - SRIVASTAVA, V. C. - MUKHOPADHYAY, N. K. Structural transition and softening in Al-Fe intermetallic compounds induced by high energy ball milling. In *MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING*. ISSN 0921-5093, 2015, vol. 638, pp. 282-288., Registrované v: WOS
2. [1.1] HAN, Insung - XIAO, Xianghui - SUN, Haiping - SHAHANI, Ashwin J. A side-by-side comparison of the solidification dynamics of quasicrystalline and approximant phases in the Al-Co-Ni system. In *ACTA*

ADCA366 GUBÓ, R.* - VÁRI, G.* - KISS, J.* - FARKAS, A.P.* - PALOTÁS, Krisztián* - OVARI, L.* - BERKO, A.* - KONYA, Z.*. Tailoring the hexagonal boron nitride nanomesh on Rh(111) with gold. In *Physical Chemistry Chemical Physics*, 2018, vol. 20 no. 22, p. 15473-15485. (2017: 3.906 - IF, Q1 - JCR, 1.686 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 1463-9076. Dostupné na: <https://doi.org/10.1039/c8cp00790j>

Ohlasy:

1. [1.1] AUWAERTER, Willi. Hexagonal boron nitride monolayers on metal supports: Versatile templates for atoms, molecules and nanostructures. In *SURFACE SCIENCE REPORTS*. ISSN 0167-5729, 2019, vol. 74, no. 1, pp. 1-95., Registrované v: WOS
2. [1.1] BACKES, Claudia - ABDELKADER, Amr M. - ALONSO, Concepcion - et al. Production and processing of graphene and related materials. In *2D MATERIALS*. ISSN 2053-1583, 2020, vol. 7, no. 2, 022001., Registrované v: WOS
3. [1.1] HE, Yangqing - XU, Na - BINNAH JUNIOR, Lucas - HAO, Xing - YAO, Binghua - YANG, Qian - LIU, Dongjie - MA, Zhanyang. Construction of AuNPs/h-BN nanocomposites by using gold as interfacial electron transfer mediator with highly efficient degradation for levofloxacin hydrochloride and hydrogen generation. In *APPLIED SURFACE SCIENCE*. ISSN 0169-4332, 2020, vol. 520, 146336., Registrované v: WOS

ADCA367 GUPTA, Ajay - RUWALI, Kailash - PAUL, Neelima - DUHAJ, Pavol. Crystallization behavior of amorphous (Fe_{100-x}Co_x)(85)B-15. In *Materials Science and Engineering A*, 2001, vol. 304-306, p. 371-374. (2000: 0.897 - IF, Current Contents - CCC). (2001 - Current Contents, WOS, SCOPUS). ISSN 0921-5093.

Ohlasy:

1. [1.1] CHEN, Yuan-Tsung - CHANG, Zu-Gao. Structure and Optical, Electrical, and Adhesive Characteristics of CoFeB Thin Films. In *JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY*. ISSN 1533-4880, 2017, vol. 17, no. 2, pp. 1275-1279., Registrované v: WOS
2. [1.1] SAFEER, Affan - AZAM, Liaqat Ali - BASHIR, Danyal - KHAN, Suleman - PARVEEN, Bushra - AHMAD, Naeem. Effect of Mn (12 at%) substitution on magnetic anisotropy and magnetization reversal of equiatomic FeCo alloy nanorod arrays. In *PHYSICA B-CONDENSED MATTER*. ISSN 0921-4526, 2020, vol. 586, 412138., Registrované v: WOS
3. [1.1] TSENG, Jiun-Yi - CHEN, Yuan-Tsung - CHANG, Z. G. - WU, C. W. - YANG, L. C. Crystallization Behavior and Thermal Analysis of CoFeB Thin Films. In *JOURNAL OF NANOMATERIALS*. ISSN 1687-4110, 2015, pp., Registrované v: WOS

ADCA368 GUPTA, Pooja** - AKHILA, K. J. - SRIHARI, V. - ŠVEC, Peter - KANE, S. R. - RAI, S. K. - GANGULI, Tapas. On the origin of magnetic anisotropy of FeCo(Nb)B alloy thin films: A thermal annealing study. In *Journal of Magnetism and Magnetic Materials*, 2019, vol. 480, p. 64-72. (2018: 2.683 - IF, Q2 - JCR, 0.680 - SJR, Q2 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS,

SCOPUS). ISSN 0304-8853. Dostupné na:
<https://doi.org/10.1016/j.jmmm.2019.02.079>

Ohlasy:

1. [1.1] FAN, Yanzhou - ZHANG, Suo - MIAO, Jiakai - ZHANG, Xuhang - CHEN, Chen - ZHANG, Weiwei - WEI, Ran - WANG, Tan - LI, Fushan. Extremely high B-s ($\text{Fe}_{1-x}\text{Co}_x$)(86)Ni(1)B(13) amorphous soft magnetic alloys with good bending ductility. In INTERMETALLICS. ISSN 0966-9795, 2020, vol. 127, 106959., Registrované v: WOS

ADCA369 GUPTA, P. - GANGULI, T. - ŠVEC, Peter Jr. - SINHA, A.K. - GUPTA, A. - ŠVEC, Peter - SINGH, M.N. - REDDY, V.R. - DEB, S.K. Effect of Co addition on the atomic ordering of FeCo-phase in nanocrystalline $\text{Fe}_{81-x}\text{Co}_x\text{Nb}_7\text{B}_{12}$ alloys ($x=20.25, 27, 40.5, 54, 60.75$): An anomalous diffraction and Mossbauer study. In *Journal of Applied Physics*, 2013, vol. 114, no. 8, 083516. (2012: 2.210 - IF, Q1 - JCR, 1.312 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 0021-8979. Dostupné na: <https://doi.org/10.1063/1.4819398>

Ohlasy:

1. [1.1] SERIKOV, V. V. - KLEINERMAN, N. M. - GOLOVNYA, O. A. NMR and Mossbauer Study of Peculiarities of the Structure Formation in Fe-Co Alloys. In PHYSICS OF METALS AND METALLOGRAPHY. ISSN 0031-918X, 2017, vol. 118, no. 11, pp. 1040-1047., Registrované v: WOS
2. [1.1] TOEBBENS, Daniel M. - SCHORR, Susan. The use of anomalous x-ray diffraction as a tool for the analysis of compound semiconductors. In SEMICONDUCTOR SCIENCE AND TECHNOLOGY. ISSN 0268-1242, 2017, vol. 32, no. 10, 103002., Registrované v: WOS

ADCA370 GUPTA, P. - GANGULI, T. - GUPTA, A. - SINHA, A.K. - DEB, S.K. - ŠVEC, Peter Jr. - FRANCO, V. Influence of isochronal annealing on the microstructure and magnetic properties of Cu-free HITPERM $\text{Fe}_{40.5}\text{Co}_{40.5}\text{Nb}_7\text{B}_{12}$ alloy Influ. In *Journal of Applied Physics*, 2012, vol. 111, no. 11, 113518. (2011: 2.168 - IF, Q2 - JCR, 1.374 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents). ISSN 0021-8979. Dostupné na:
<https://doi.org/10.1063/1.4728161>

Ohlasy:

1. [1.1] BI, Mei - WANG, Xin - LU, Haipeng - DENG, Longjiang - SUNDAY, Katie Jo - TAHERI, Mitra L. - HARRIS, Vincent G. Magnetic and microwave properties of amorphous FeCoNbBCu thin films. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2016, vol. 119, no. 2, 023906., Registrované v: WOS
2. [1.1] ZHAI, X. B. - WANG, Y. G. - ZHU, L. - CAO, C. C. - DAI, Y. D. - CHEN, J. K. - PAN, F. M. Effect of heating rate on atom migration, phase structure and magnetic properties of the $\text{Fe}_{82}\text{Si}_2\text{B}_{11}\text{P}_4\text{Cu}_1$ alloy. In JOURNAL OF NON-CRYSTALLINE SOLIDS. ISSN 0022-3093, 2018, vol. 499, pp. 337-343., Registrované v: WOS
3. [1.1] ZHU, L. - MENG, Y. - ZHAI, X. B. - WANG, Y. G. - LAN, S. Structure origin of abnormal magnetic behavior of Fe-P-C amorphous alloys. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2019, vol. 472, pp. 49-52., Registrované v: WOS
4. [1.1] ZHU, L. - WANG, Y. G. - LAN, S. - WANG, X-L - LU, C. Y. - ZHAI, X. B. - MENG, Y. Structural relaxation in a Fe-based metallic glass:

Changes in local structure and role of heterogeneity. In INTERMETALLICS. ISSN 0966-9795, 2018, vol. 103, pp. 72-77., Registrované v: WOS

ADCA371 GUTIÉRREZ, J. - BARANDIARÁN, J.M. - MÍNGUEZ, P. - KACZKOWSKI, Z. - RUUSKANEN, Pekka - VLASÁK, Gabriel - ŠVEC, Peter - DUHAJ, Pavol. Influence of heat treatment on the magnetic and piezomagnetic properties of amorphous and nanocrystalline Fe₆₄Ni₁₀Nb₃Cu₁Si₁₃B₉ alloy strips. In *Sensors and Actuators A*, 2003, vol. 106, no. 1-3, p. 69-72. ISSN 0925-4005. Dostupné na: [https://doi.org/10.1016/S0924-4247\(03\)00136-5](https://doi.org/10.1016/S0924-4247(03)00136-5)

Ohlasy:

1. [1.1] ATALAY, S. - KOLAT, V. S. - IZGI, T. Asymmetric Delta E Effect and its Use as a Magnetic Field Sensor. In ACTA PHYSICA POLONICA A. ISSN 0587-4246, 2019, vol. 136, no. 3, pp. 531-535., Registrované v: WOS
2. [1.1] CHEN JIE - ZHU ZHENGHOU - BAI RURU - LIN QIANYING. Improvement of the Piezomagnetic Measurement and Characterization Method of Fe-based Amorphous Alloy Ribbons and Their Piezomagnetic Properties. In RARE METAL MATERIALS AND ENGINEERING. ISSN 1002-185X, 2018, vol. 47, no. 11, pp. 3264-3271., Registrované v: WOS
3. [1.1] CHEN, Zhe - ZHU, Qian-Ke - ZHANG, Shu-Ling - ZHANG, Ke-Wei - JIANG, Yong. Thermal stability, crystallization, and magnetic properties of FeNiBCuNb alloys. In CHINESE PHYSICS B. ISSN 1674-1056, 2019, vol. 28, no. 8, 087502., Registrované v: WOS

ADCA372 HAAPASALO, E. - SEDLÁK, Michal - ZIMAN, Mário. Distance to boundary and minimum-error discrimination. In *Physical Review A*, 2014, vol. 89, no. 6, 062303. (2013: 2.991 - IF, Q1 - JCR, 2.317 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.89.062303>

Ohlasy:

1. [1.1] HAAPASALO, Erkkka. Robustness of incompatibility for quantum devices. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2015, vol. 48, no. 25, 255303., Registrované v: WOS
2. [1.1] KETTERER, Andreas - LAVERSANNE-FINOT, Adrien - AOLITA, Leandro. Continuous-variable supraquantum nonlocality. In PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 97, no. 1, 012133., Registrované v: WOS
3. [1.1] WANG, Dong-Sheng. Convex decomposition of dimension-altering quantum channels. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION. ISSN 0219-7499, 2016, vol. 14, no. 8, 1650045., Registrované v: WOS

ADCA373 HAFNER, J. - KRAJČÍ, Marián. Computer-simulation of Frank-Kasper-type icosahedral quasi-crystals. In *Europhysics Letters*, 1990, vol. 13, no. 4, p. 335-340. ISSN 0295-5075. Dostupné na: <https://doi.org/10.1209/0295-5075/13/4/008>

Ohlasy:

1. [1.1] MAHJOUB, R. - LAWS, K. J. - SCICLUNA, J. P. - DANIELS, J. E. - FERRY, M. A first principles molecular dynamics study of the relationship between atomic structure and elastic properties of Mg-Zn-Ca amorphous alloys.

In COMPUTATIONAL MATERIALS SCIENCE. ISSN 0927-0256, 2015, vol. 96, pp. 246., Registrované v: WOS

ADCA374 HAFNER, J. - KRAJČÍ, Marián. Electronic-structure and stability of quasi-crystals-quasi-periodic dispersion- relations and pseudogaps. In *Physical Review Letters*, 1992, vol. 68, no. 15, p. 2321-2324. ISSN 0031-9007.

Ohlasy:

1. [1.1] AHN, Sung Joon - MOON, Pilkyung - KIM, Tae-Hoon - KIM, Hyun-Woo - SHIN, Ha-Chul - KIM, Eun Hye - CHA, Hyun Woo - KAHNG, Se-Jong - KIM, Philip - KOSHINO, Mikito - SON, Young-Woo - YANG, Cheol-Woong - AHN, Joung Real. Dirac electrons in a dodecagonal graphene quasicrystal. In *SCIENCE*. ISSN 0036-8075, 2018, vol. 361, no. 6404, pp. 782-+., Registrované v: WOS

2. [1.1] COLLINS, Laura C. - WITTE, Thomas G. - SILVERMAN, Rochelle - GREEN, David B. - GOMES, Kenjiro K. Imaging quasiperiodic electronic states in a synthetic Penrose tiling. In *NATURE COMMUNICATIONS*. ISSN 2041-1723, 2017, vol. 8, 15961., Registrované v: WOS

3. [1.1] CURCIO, Davide - MINIUSSI, Elisa - LACOVIG, Paolo - LIZZIT, Silvano - LARCIPRETE, Rosanna - SMERDON, Joseph A. - DHANAK, Vinod R. - MCGRATH, Ronan - BARALDI, Alessandro. Crystal to Quasicrystal Surface Phase Transition: An Unlocking Mechanism for Templated Growth. In *JOURNAL OF PHYSICAL CHEMISTRY C*. ISSN 1932-7447, 2016, vol. 120, no. 10, pp. 5477-5485., Registrované v: WOS

4. [1.1] DU, Jinglian - DONG, Chuang - MELNIK, Roderick - KAWAZOE, Yoshiyuki - WEN, Bin. Hidden electronic rule in the "cluster-plus-glue-atom" model. In *SCIENTIFIC REPORTS*. ISSN 2045-2322, 2016, vol. 6, 33672., Registrované v: WOS

5. [1.1] MOON, Pilkyung - KOSHINO, Mikito - SON, Young-Woo. Quasicrystalline electronic states in 30 degrees rotated twisted bilayer graphene. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2019, vol. 99, no. 16, 165430., Registrované v: WOS

6. [1.1] SEKIYAMA, Y. - KANAZAWA, I. Electron Localization and Conduction Mechanism of Icosahedral Quasicrystal Al-Pd-Ru. In *13TH INTERNATIONAL CONFERENCE ON QUASICRYSTALS (ICQ13)*. ISSN 1742-6588, 2017, vol. 809, UNSP 012030., Registrované v: WOS

7. [1.1] SPURRIER, Stephen - COOPER, Nigel R. Theory of quantum oscillations in quasicrystals: Quantizing spiral Fermi surfaces. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2019, vol. 100, no. 8, 081405., Registrované v: WOS

8. [1.1] THIEM, Stefanie - CHALKER, J. T. Magnetism in rare-earth quasicrystals: RKKY interactions and ordering. In *EPL*. ISSN 0295-5075, 2015, vol. 110, no. 1, 17002., Registrované v: WOS

9. [1.1] THIEM, Stefanie - CHALKER, J. T. Long-range magnetic order in models for rare-earth quasicrystals. In *PHYSICAL REVIEW B*. ISSN 1098-0121, 2015, vol. 92, no. 22, 224409., Registrované v: WOS

ADCA375 HAFNER, J. - KRAJČÍ, Marián. Formation of magnetic moments in crystalline, quasicrystalline and liquid Al-Mn alloys. In *Physical Review B : condensed matter and materials physics*, 1998, vol. 57, no. 5, p. 2849-2860. (1997:

2.880 - IF, Current Contents - CCC). (1998 - Current Contents). ISSN 1550-235X.
Dostupné na: <https://doi.org/10.1103/PhysRevB.57.2849>

Ohlasy:

1. [1.1] BEN ABDELLAH, A. - GROSDIDIER, B. - OSMAN, S. M. - RAHMAN, S. M. Mujibur - MAYOUFI, M. - ATAATI, J. - GASSER, J. G. Spin-state dependence of electrical resistivity and thermoelectric power of molten Al-Mn alloys: Experiment and theory. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2016, vol. 658, no., pp. 1010-1019., Registrované v: WOS
2. [1.1] CHEN, Shihao - MA, Jianbo - DAI, Yongbing - YANG, Jian - ZHANG, Jiao - DONG, Qing - HAN, Yanfeng - XING, Hui - SUN, Baode. Atomic-scale simulations of the local structures of molten Ni_{1-x}Co_x and Ni_{1-x}Fe_x. In JOURNAL OF NON-CRYSTALLINE SOLIDS. ISSN 0022-3093, 2018, vol. 481, pp. 470-478., Registrované v: WOS
3. [1.1] LUCENA AGOSTINHO JAMSHIDI, Lourdes Cristina - RODBARI, Reza Jamshidi. EVOLUTION OF THE PHASES OF QUASICRYSTALLINE ALLOYS ICOSAHEDRAL/DECAGONAL Al_{62.2}Cu_{25.3}Fe_{12.5}/Al₆₅Ni₁₅Co₂₀ AND OXIDATIVE BEHAVIOR. In JOURNAL OF THE CHILEAN CHEMICAL SOCIETY. ISSN 0717-9707, 2018, vol. 63, no. 2, pp. 3928-3933., Registrované v: WOS
4. [1.1] POTASHNIKOV, D. - CASPI, E. N. - PESACH, A. - HOSER, A. - KOTA, S. - VERGER, L. - BARSOUM, M. W. - FELNER, I - KEREN, A. - RIVIN, O. Magnetic ordering in the nano-laminar ternary Mn₂AlB₂ using neutron and X-ray diffraction. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2019, vol. 471, pp. 468-474., Registrované v: WOS

ADCA376 HAFNER, J. - KRAJČÍ, Marián. Propagating and confined vibrational excitations in quasi-crystals. In *Journal of Physics-Condensed Matter*, 1993, vol. 5, no. 16, p. 2489-2510. ISSN 0953-8984.

Ohlasy:

1. [1.1] HARKONEN, Ville J. - KARTTUNEN, Antti J. Ab initio computational study on the lattice thermal conductivity of Zintl clathrates [Si₁₉P₄]Cl₄ and Na₄[Al₄Si₁₉]. In PHYSICAL REVIEW B. ISSN 2469-9950, 2016, vol. 94, no. 5, pp., Registrované v: WOS
2. [1.1] MARCOUX, Catherine - SOCOLAR, Joshua E. S. Sparse phonon modes of a limit-periodic structure. In PHYSICAL REVIEW B. ISSN 2469-9950, 2016, vol. 93, no. 17, 174102., Registrované v: WOS

ADCA377 HAFNER, J. - KRAJČÍ, Marián - MIHALKOVIČ, Marek. Propagating and localized elementary excitations in decagonal quasicrystals. In *Physical Review Letters*, 1996, vol. 76, no. 15, p. 2738-2741. (1995: 6.297 - IF). ISSN 0031-9007.

Ohlasy:

1. [1.1] GLACET, Arthur - TANGUY, Anne - RETHORE, Julien. Vibrational properties of quasi-periodic beam structures. In JOURNAL OF SOUND AND VIBRATION. ISSN 0022-460X, 2019, vol. 442, pp. 624-644., Registrované v: WOS
2. [1.1] YE, Zhijiang - MARTINI, Ashlie - THIEL, Patricia - LOVELADY, Heather H. - MCLAUGHLIN, Keith - RABSON, David A. Atomistic simulation of frictional anisotropy on quasicrystal approximant

surfaces. In PHYSICAL REVIEW B. ISSN 2469-9950, 2016, vol. 93, no. 23, 235438., Registrované v: WOS

ADCA378 HAFNER, J. - KRAJČÍ, Marián. Propagating and localized vibrational-modes in ni-zr glasses. In *Journal of Physics: Condensed Matter*, 1994, vol. 6, no. 25, p. 4631-4654. (1993: 1.654 - IF, Current Contents - CCC). (1994 - Current Contents). ISSN 0953-8984.

Ohlasy:

1. [1.1] CRESPO, Daniel - BRUNA, Pere - VALLES, Araceli - PINEDA, Eloi. Phonon dispersion relation of metallic glasses. In PHYSICAL REVIEW B. ISSN 2469-9950, 2016, vol. 94, no. 14, 144205., Registrované v: WOS

ADCA379 HAFNER, J. - KRAJČÍ, Marián. Surfaces of complex intermetallic compounds: Insights from density functional calculations. In *Accounts of Chemical Research*, 2014, vol. 47, no. 11, p. 3378-3384. (2013: 5.356 - IF, Q1 - JCR, 3.005 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents). ISSN 1554-8929. Dostupné na: <https://doi.org/10.1021/ar500043z>

Ohlasy:

1. [1.1] BU, Lingzheng - SHAO, Qi - PI, Yecan - YAO, Jianlin - LUO, Mingchuan - LANG, Jianping - HWANG, Sooyeon - XIN, Huolin - HUANG, Bolong - GUO, Jun - SU, Dong - GUO, Shaojun - HUANG, Xiaoqing. Coupled s-p-d Exchange in Facet-Controlled Pd3Pb Tripods Enhances Oxygen Reduction Catalysis. In CHEM. ISSN 2451-9294, 2018, vol. 4, no. 2, pp. 359-371., Registrované v: WOS

2. [1.1] CUI, Kehang - WARDLE, Brian L. Breakdown of Native Oxide Enables Multifunctional, Free-Form Carbon Nanotube-Metal Hierarchical Architectures. In ACS APPLIED MATERIALS & INTERFACES. ISSN 1944-8244, 2019, vol. 11, no. 38, pp. 35212-35220., Registrované v: WOS

3. [1.1] GAUDRY, E. - CHATELIER, C. - LOFFREDA, D. - KANDASKALOV, D. - COATI, A. - PICCOLO, L. Catalytic activation of a non-noble intermetallic surface through nanostructuration under hydrogenation conditions revealed by atomistic thermodynamics. In JOURNAL OF MATERIALS CHEMISTRY A. ISSN 2050-7488, 2020, vol. 8, no. 15, pp. 7422-7431., Registrované v: WOS

4. [1.1] LIU, Yuxi - LIU, Xiangwen - FENG, Quanchen - HE, Dongsheng - ZHANG, Libo - LIAN, Chao - SHEN, Rongan - ZHAO, Guofeng - JI, Yongjun - WANG, Dingsheng - ZHOU, Gang - LI, Yadong. Intermetallic NixMy (M = Ga and Sn) Nanocrystals: A Non-precious Metal Catalyst for Semi-Hydrogenation of Alkynes. In ADVANCED MATERIALS. ISSN 0935-9648, 2016, vol. 28, no. 23, pp. 4747-4754., Registrované v: WOS

5. [1.1] MCGUIRK, G. M. - LEDIEU, J. - GAUDRY, E. - DE WEERD, M.C. - HAHNE, M. - GILLE, P. - IVARSSON, D. C. A. - ARMBRUESTER, M. - ARDINI, J. - HELD, G. - MACCHEROZZI, F. - BAYER, A. - LOWE, M. - PUSSI, K. - DIEHL, R. D. - FOURNEE, V. The atomic structure of low-index surfaces of the intermetallic compound InPd. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2015, vol. 143, no. 7, 074705., Registrované v: WOS

6. [1.1] PALCUT, M. - DURISKA, L. - SPOTAK, M. - VRBOVSKY, M. - GERHATOVA, Z. - CERNICKOVA, I. - JANOVEC, J.

ELECTROCHEMICAL CORROSION OF Al-Pd ALLOYS IN HCl AND NaOH SOLUTIONS. In JOURNAL OF MINING AND METALLURGY SECTION B-METALLURGY. ISSN 1450-5339, 2017, vol. 53, no. 3, pp. 333-340., Registrované v: WOS

7. [1.1] PICCOLO, Laurent - KIBIS, Lidiya. The partial hydrogenation of butadiene over Al₁₃Fe₄: A surface-science study of reaction and deactivation mechanisms. In JOURNAL OF CATALYSIS. ISSN 0021-9517, 2015, vol. 332, pp. 112., Registrované v: WOS

8. [1.1] PICCOLO, Laurent - KIBIS, Lidiya - DE WEERD, Marie-Cecile - GAUDRY, Emilie - LEDIEU, Julian - FOURNEE, Vincent. Intermetallic Compounds as Potential Alternatives to Noble Metals in Heterogeneous Catalysis: The Partial Hydrogenation of Butadiene on gamma-Al₄Cu₉(110). In CHEMCATCHER. ISSN 1867-3880, 2017, vol. 9, no. 12, pp. 2292-2296., Registrované v: WOS

9. [1.1] XIE, Weiwei - CAVA, Robert J. - MILLER, Gordon J. Packing of Russian doll clusters to form a nanometer-scale CsCl-type compound in a Cr-Zn-Sn complex metallic alloy. In JOURNAL OF MATERIALS CHEMISTRY C. ISSN 2050-7526, 2017, vol. 5, no. 29, pp. 7215-7221., Registrované v: WOS

10. [1.1] ZHANG, Yuangong - WEN, Xin - SHI, Yongqing - YUE, Ru - BAI, Libin - LIU, Qingtao - BA, Xinwu. Sulfur-Containing Polymer As a Platform for Synthesis of Size Controlled Pd Nanoparticles for Selective Semihydrogenation of Alkynes. In INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH. ISSN 0888-5885, 2019, vol. 58, no. 3, pp. 1142-1149., Registrované v: WOS

ADCA380 HALAHOVETS, Yuriy - ŠIFFALOVÍČ, Peter - JERGEL, Matej - SENDERÁK, Rudolf - MAJKOVÁ, Eva - LUBY, Štefan - KOSTIČ, Ivan - SZYMANSKI, B. - STOBIECKI, F. Scanning magneto-optical Kerr microscope with auto-balanced detection scheme. In *Review of Scientific Instruments*, 2011, vol. 82, no. 8, 083706. (2010: 1.601 - IF, Q2 - JCR, 1.218 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents, SCOPUS). ISSN 0034-6748. Dostupné na: <https://doi.org/10.1063/1.3625687>

Ohlasy:

1. [1.1] DAI, Zhengkun - LI, Hai - ZHU, Jian-Gang (Jimmy). Measuring Temperature Dependence of Anisotropy Field in Heat-Assisted Magnetic Recording Media by Pump-Probe Method. In IEEE TRANSACTIONS ON MAGNETICS. ISSN 0018-9464, 2016, vol. 52, no. 7, 3201504., Registrované v: WOS

2. [1.1] DOLBASHIAN, C. - CHAVEZ, B. L. - BAUER, M. - BUDI, M. - ANDREW, J. S. - CRAWFORD, T. M. Magnetic properties of aligned multiferroic Janus nanofiber agglomerates measured with the scattered magneto-optical Kerr effect. In JOURNAL OF PHYSICS D-APPLIED PHYSICS. ISSN 0022-3727, 2020, vol. 53, no. 19, 195002., Registrované v: WOS

3. [1.1] KIM, Dong Uk - KIM, Jung Dae - HAN, Ilkyu - JEONG, Chan Bae - LEE, Kye-Sung - HUR, Hwan - NAM, Ki-Hwan - BAE, Ji Yong - KIM, I. Jong - CHANG, Ki Soo. Backside Thermal Fault Localization Using Laser Scanning Confocal Thermoreflectance Microscopy Based on Auto-Balanced Detection. In IEEE TRANSACTIONS ON INSTRUMENTATION AND

MEASUREMENT. ISSN 0018-9456, 2020, vol. 69, no. 6, pp. 2914-2923.,
Registrované v: WOS

4. [3.1] NWOKOYE, C.A. Low temperature magneto-optical Kerr effect experimental system with a cryogen-free sample environment. In International Journal Nanoparticles Nanotech (IJNN). 2015, vol. 1, no. 1, 6 p.

ADCA381 HALLGREN, S. - NAGAJ, Daniel - NARAYANASWAMI, S. The local Hamiltonian problem on a line with eight states is QMA-complete. In *Quantum Information and Computation*, 2013, vol. 13, no. 9-10, p. 721-750. (2012: 1.646 - IF, Q1 - JCR, 1.082 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents). ISSN 1533-7146.

Ohlasy:

1. [1.1] ALBASH, Tameem - LIDAR, Daniel A. Adiabatic quantum computation. In REVIEWS OF MODERN PHYSICS. ISSN 0034-6861, 2018, vol. 90, no. 1, 015002., Registrované v: WOS

2. [1.1] BAUSCH, Johannes - CUBITT, Toby - OZOLS, Maris. The Complexity of Translationally Invariant Spin Chains with Low Local Dimension. In ANNALES HENRI POINCARÉ. ISSN 1424-0637, 2017, vol. 18, no. 11, pp. 3449-3513., Registrované v: WOS

3. [1.1] BAUSCH, Johannes - CROSSON, Elizabeth. Analysis and limitations of modified circuit-to-Hamiltonian constructions. In QUANTUM. ISSN 2521-327X, 2018, vol. 2., Registrované v: WOS

4. [1.1] BAUSCH, Johannes - PIDDOCK, Stephen. The complexity of translationally invariant low-dimensional spin lattices in 3D. In JOURNAL OF MATHEMATICAL PHYSICS. ISSN 0022-2488, 2017, vol. 58, no. 11, 111901., Registrované v: WOS

5. [1.1] BAUSCH, Johannes. Perturbation Gadgets: Arbitrary Energy Scales from a Single Strong Interaction. In ANNALES HENRI POINCARÉ. ISSN 1424-0637, 2020, vol. 21, no. 1, pp. 81-114., Registrované v: WOS

6. [1.1] BRAVYI, Sergey - GOSSET, David. Gapped and gapless phases of frustration-free spin-1/2 chains. In JOURNAL OF MATHEMATICAL PHYSICS. ISSN 0022-2488, 2015, vol. 56, no. 6, 061902., Registrované v: WOS

7. [1.1] BRAVYI, Sergey - HASTINGS, Matthew. On Complexity of the Quantum Ising Model. In COMMUNICATIONS IN MATHEMATICAL PHYSICS. ISSN 0010-3616, 2017, vol. 349, no. 1, pp. 1-45., Registrované v: WOS

8. [1.1] FERSTERER, Petra - SAFAVI-NAINI, Arghavan - ZHU, Bihui - GABARDOS, Lucas - LEPOUTRE, Steven - VERNAC, L. -

LABURTHE-TOLRA, B. - BLAKIE, P. Blair - REY, Ana Maria. Dynamics of an itinerant spin-3 atomic dipolar gas in an optical lattice. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 3, 033609., Registrované v: WOS

9. [1.1] GABARDOS, Lucas - ZHU, Bihui - LEPOUTRE, Steven - REY, Ana Maria - LABURTHE-TOLRA, Bruno - VERNAC, Laurent. Relaxation of the Collective Magnetization of a Dense 3D Array of Interacting Dipolar S=3 Atoms. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2020, vol. 125, no. 14, 143401., Registrované v: WOS

10. [1.1] GHARIBIAN, Sevag - PIDDOCK, Stephen - YIRKA, Justin. Oracle Complexity Classes and Local Measurements on Physical Hamiltonians. In 37TH INTERNATIONAL SYMPOSIUM ON THEORETICAL ASPECTS

OF COMPUTER SCIENCE (STACS 2020). ISSN 1868-8969, 2020, vol. 154, 20., Registrované v: WOS

11. [1.1] GRILO, Alex Bredariol - KERENIDIS, Iordanis - SIKORA, Jamie. QMA with Subset State Witnesses. In MATHEMATICAL FOUNDATIONS OF COMPUTER SCIENCE 2015, PT II. ISSN 0302-9743, 2015, vol. 9235, pp. 163., Registrované v: WOS

12. [1.1] LEPOUTRE, S. - SCHACHENMAYER, J. - GABARDOS, L. - ZHU, B. - NAYLOR, B. - MARECHAL, E. - GORCEIX, O. - REY, A. M. - VERNAC, L. - LABURTHE-TOLRA, B. Out-of-equilibrium quantum magnetism and thermalization in a spin-3 many-body dipolar lattice system. In NATURE COMMUNICATIONS. ISSN 2041-1723, 2019, vol. 10, 1714., Registrované v: WOS

13. [1.1] SENKO, C. - RICHERME, P. - SMITH, J. - LEE, A. - COHEN, I. - RETZKER, A. - MONROE, C. Realization of a Quantum Integer-Spin Chain with Controllable Interactions. In PHYSICAL REVIEW X. ISSN 2160-3308, 2015, vol. 5, no. 2, 021026., Registrované v: WOS

14. [1.1] WEI, Tzu-Chieh - LIANG, John C. Hamiltonian quantum computer in one dimension. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 92, no. 6, 062334., Registrované v: WOS

ADCA382 HAMILTON, J.H. - LUO, Y.X. - HWANG, J.K. - JONES, E.F. - RAMAYYA, A.V. - ZHU, S.H. - GORE, P.M. - BEYER, C.J. - KORMICKI, J. - ZHANG, X.Q. - GINTER, T.N. - WANG, M.G. - COLE, J.D. - DRIGERT, M.W. - MA, W.C. - VARMETTE, P.G. - TER-AKOPIAN, G.M. - OGANESSIAN, Y.T. - DANIEL, A.V. - KLIMAN, Ján - RASMUSSEN, J.O. - LEE, I.Y. - DONANGELO, R. - DE LIMA, A.P. Octupole correlations and deformation in Ba, La and Pr. In *Acta Physica Polonica B*, 2001, vol. 32, no. 3, p. 957-969. (2000: 0.479 - IF, Current Contents - CCC). (2001 - Current Contents). ISSN 0587-4254.

Ohlasy:

1. [1.1] ALI, Sajad - RAJBANSHI, S. - RAUT, R. - PAI, H. - WANG, Y. Y. - GANGOPADHYAY, G. - MENG, J. - PALIT, R. - NAG, Somnath - BISOI, Abhijit - SAHA, S. - SETHI, J. - BHATTACHARYYA, S. - CHATTOPADHYAY, S. - MUKHERJEE, G. - SINGH, A. K. - TRIVEDI, T. - GOSWAMI, A. Evidence of the octupole correlation between the shears bands in Eu-142. In PHYSICS LETTERS B. ISSN 0370-2693, 2019, vol. 798, 134960., Registrované v: WOS

2. [1.1] KHAZOV, Yu. - RODIONOV, A. - SHULYAK, G. Nuclear data sheets for A=146. In NUCLEAR DATA SHEETS, vol. 136, 2016, p. 163-451., Registrované v: WOS

ADCA383 HAMILTON, J.H. - TER-AKOPIAN, G.M. - KORMICKI, J. - OGANESSIAN, Yu.Ts. - KORMICKI, J. - ZHU, S.J. - WANG, M.G. - LU, Q. - BUTLER-MOORE, K. - RAMAYYA, A.V. - MA, W.C. - BABU, B.R.S. - SHI, D. - DENG, J.K. - POPEKO, G.S. - DANIEL, A.V. - GREINER, W. - SANDULESCU, A. - COLE, J.D. - ARYAEINEJAD, R. - KLIMAN, Ján - POLHORSKÝ, V. - MORHÁČ, Miroslav - JOHNSON, N.R. - LEE, I.Y. - MCGOWAN, F.K. - PEKER, L.K. Structure of neutron-rich nuclei and neutron multiplicities in spontaneous fission. In *Physics Reports*, 1996, vol. 264, no. 1-5, p. 215-231. ISSN 0370-1573.

Ohlasy:

1. [1.1] DANU, L. S. - BISWAS, D. C. - NAYAK, B. K. -

CHOUDHURY, R. K. Fission fragment mass distributions via prompt gamma-ray spectroscopy. In PRAMANA-JOURNAL OF PHYSICS. ISSN 0304-4289, 2015, vol. 85, no. 3, pp. 379., Registrované v: WOS

2. [1.1] SHARMA, Vijay R. - KUMAR, R. - MUKHERJEE, S. - AGUILERA, E. F. - SHUAIB, Mohd - SINGH, Pushpendra P. - YADAV, Abhishek - DUBEY, R. - APPANNABABU, S. - MORALES-RIVERA, J. C. - KUMAR, S. - SINGH, B. P. - PRASAD, R. Fissionlike events in the N-14+Ta-181 system. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 3, 034617., Registrované v: WOS
3. [1.1] SHUAIB, Mohd - SHARMA, Vijay R. - YADAV, Abhishek - THAKUR, Swati - SHARMA, Manoj Kumar - MAJEED, Ishfaq - KUMAR, Mahesh - SINGH, Pushpendra P. - SINGH, Devendra P. - KUMAR, R. - SINGH, R. P. - MURALITHAR, S. - SINGH, B. P. - PRASAD, R. Mass and isotopic yield distributions of fission-like events in the F-19 + Tm-169 system at low energies. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 2, 024617., Registrované v: WOS

ADCA384 HAMILTON, J.H. - RAMAYYA, A.V. - KORMICKI, J. - MA, W.C. - LU, Q. - SHI, D. - DENG, J.K. - ZHU, S.J. - SADULESCU, A. - GREINER, W. - TERA KOPIAN, G.M. - OGANESSIAN, Y.T. - POPEKO, G.S. - DANIEL, A.V. - KLIMAN, Ján - POLHORSKÝ, V. - MORHÁČ, Miroslav - COLE, J.D. - ARYAEINEJAD, R. - LEE, I.Y. - JOHNSON, J.R. - MCGOWAN, F.K. Zero neutron emission in spontaneous fission of CF-252- a form of cluster radioactivity. In *Journal of Physics G*, 1994, vol. 20, no. 8, 185-L89. ISSN 0954-3899.

Ohlasy:

1. [1.1] MANJUNATHA, H. C. - SOWMYA, N. - SRIDHAR, K. N. - SEENAPPA, L. A study of probable alpha-ternary fission fragments of Fm-257. In JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY. ISSN 0236-5731, 2017, vol. 314, no. 2, pp. 991-999., Registrované v: WOS
2. [1.1] PAHLAVANI, M. R. - JOHARIFARD, M. Isotopic yield and half-lives for the spontaneous fission of (280)Ds and (282)Cn, superheavy nuclei. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2018, vol. 54, no. 10, 171., Registrované v: WOS
3. [1.1] PAHLAVANI, M. R. - JOHARIFARD, M. Isotopic yield and half-life of spontaneous fission for (284)Cn and (284)Fl superheavy isobars using direct calculation and semiempirical formulas. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 4, 044601., Registrované v: WOS
4. [1.1] SANTHOSH, Kolathu Parambil - CYRIAC, Annu. Studies on the cold binary fragmentation of even-even U230-250 isotopes. In COMPTES RENDUS PHYSIQUE. ISSN 1631-0705, 2019, vol. 20, no. 6, pp. 569-582., Registrované v: WOS
5. [1.1] SANTHOSH, K. P. - CYRIAC, Annu - KRISHNAN, Sreejith. Isotopic yield in cold binary fission of even-even Cf244-258 isotopes. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 949, pp. 8-21., Registrované v: WOS
6. [1.1] SANTHOSH, K. P. - CYRIAC, Annu - KRISHNAN, Sreejith. Cold binary fragmentation of even-even Pu238-248 isotopes. In INDIAN JOURNAL OF PHYSICS. ISSN 0973-1458, 2018, vol. 92, no. 12, pp. 1589-1600., Registrované v: WOS

ADCA385 HANGLEITER, Dominik** - ROTH, Ingo - NAGAJ, Daniel - EISERT, Jens. Easing the Monte Carlo sign problem. In *Science Advances*, 2020, vol. 6, no. 33, art. no. eabb8341. (2019: 13.116 - IF, Q1 - JCR, 6.062 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 2375-2548. Dostupné na: <https://doi.org/10.1126/sciadv.abb8341>

Ohlasy:

1. [1.1] GOLAN, Omri - SMITH, Adam - RINGEL, Zohar. Intrinsic sign problem in fermionic and bosonic chiral topological matter. In *PHYSICAL REVIEW RESEARCH*, 2020, vol. 2, no. 4, 043032., Registrované v: WOS
2. [1.1] KLASSEN, Joel - MARVIAN, Milad - PIDDOCK, Stephen - IOANNOU, Marios - HEN, Itay - TERHAL, Barbara M. HARDNESS AND EASE OF CURING THE SIGN PROBLEM FOR TWO-LOCAL QUBIT HAMILTONIANS. In *SIAM JOURNAL ON COMPUTING*. ISSN 0097-5397, 2020, vol. 49, no. 6, pp. 1332-1362., Registrované v: WOS
3. [1.1] SMITH, Adam - GOLAN, Omri - RINGEL, Zohar. Intrinsic sign problems in topological quantum field theories. In *PHYSICAL REVIEW RESEARCH*, 2020, vol. 2, no. 3, 033515., Registrované v: WOS
4. [1.1] TORLAI, Giacomo - CARRASQUILLA, Juan - FISHMAN, Matthew T. - MELKO, Roger G. - FISHER, Matthew P. A. Wave-function positivization via automatic differentiation. In *PHYSICAL REVIEW RESEARCH*, 2020, vol. 2, no. 3, 032060., Registrované v: WOS

ADCA386 HARTMANOVÁ, Mária - SCHNEIDER, J. - NAVRÁTIL, V. - KUNDRACIK, F. - SCHULZ, H. - LOMONOVA, E.E. Correlation between microscopic and macroscopic properties of yttria. In *Solid State Ionics*, 2000, vol. 136, p. 107-113. (2000 - Current Contents). ISSN 0167-2738.

Ohlasy:

1. [1.1] COUSLAND, G. P. - CUI, X. Y. - SMITH, A. E. - STAMPFL, A. P. J. - STAMPF, C. M. Mechanical properties of zirconia, doped and undoped yttria-stabilized cubic zirconia from first-principles. In *JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS*. ISSN 0022-3697, 2018, vol. 122, pp. 51-71., Registrované v: WOS
2. [1.1] PRAKASAM, Mythili - WEILL, Francois - LEBRAUD, Eric - VIRAPHONG, Oudomsack - BUFFIERE, Sonia - LARGETEAU, Alain. Densification of 8Y-Tetragonal-Stabilized Zirconia Optoceramics with Improved Optical Properties by Y Segregation. In *INTERNATIONAL JOURNAL OF APPLIED CERAMIC TECHNOLOGY*. ISSN 1546-542X, 2016, vol. 13, no. 5, pp. 904-911., Registrované v: WOS

ADCA387 HARTMANOVÁ, Mária - MORHACOVA, E. - TRAVĚNEC, Igor - URUSOVSKAYA, A. A. - KNAB, G. G. - KOROBKOV, I. I. Defect structure and physical properties of Y2O3. In *Solid State Ionics : diffusion and reactions*, 1989, vol. 36, no. 3-4, p. 137-142. ISSN 0167-2738.

Ohlasy:

1. [1.1] NOVOSAD, S. S. - NOVOSAD, I. S. - BORDUN, O. M. - KOSTYK, L. V. - BORDUN, I. O. - TUZYAK, O. Ya. The Influence of Europium Impurity on the Recombination Luminescence in Y2O3. In *ACTA PHYSICA POLONICA A*. ISSN 0587-4246, 2018, vol. 133, no. 4, pp. 806-810., Registrované v: WOS

ADCA388 HARTMANOVÁ, Mária - GMUCOVÁ, Katarína - THURZO, Ilja. Dielectric properties of ceria and yttria-stabilized zirconia thin films grown on silicon substrates. In *Solid State Ionics*, 2000, vol. 130, no. 1-2, p. 105-110. (2000 - Current Contents). ISSN 0167-2738. Dostupné na: [https://doi.org/10.1016/S0167-2738\(00\)00285-X](https://doi.org/10.1016/S0167-2738(00)00285-X)

Ohlasy:

1. [1.1] BALAKRISHNAN, G. - PANDA, Arun Kumar - RAGHAVAN, C. M. - SINGH, Akash - PRABHAKAR, M. N. - MOHANDAS, E. - KUPPUSAMI, P. - SONG, Jung il. Microstructure, optical and dielectric properties of cerium oxide thin films prepared by pulsed laser deposition. In *JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS*. ISSN 0957-4522, 2019, vol. 30, no. 17, pp. 16548-16553., Registrované v: WOS
2. [1.1] GUILLON, Olivier - DASH, Apurv - LENSER, Christian - UHLENBRUCK, Sven - MAUER, Georg. Tuning the Microstructure and Thickness of Ceramic Layers with Advanced Coating Technologies Using Zirconia as an Example. In *ADVANCED ENGINEERING MATERIALS*. ISSN 1438-1656, 2020, vol. 22, no. 11, 2000529., Registrované v: WOS
3. [1.1] KUPPUSAMI, P. - BALAKRISHNAN, G. - MISHRA, Maneesha. Microstructure and Optical Properties of Nano Multilayers of CeO₂/ZrO₂ and Gd₂O₃/CeO₂ Prepared by Pulsed Laser Deposition. In *JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY*. ISSN 1533-4880, 2016, vol. 16, no. 9, pp. 10069-10079., Registrované v: WOS
4. [1.1] MISHRA, Maneesha - KUPPUSAMI, P. - REDDY, V. R. - GHOSH, C. - DIVAKAR, R. - RAMASESHAN, R. - SINGH, Akash - THIRUMURUGESAN, R. - MOHANDAS, E. Influence of CeO₂ layer thickness on the properties of CeO₂/Gd₂O₃ multilayers prepared by pulsed laser deposition. In *VACUUM*. ISSN 0042-207X, 2015, vol. 113, pp. 64-74., Registrované v: WOS
5. [1.1] MUKAI, T. - FUJITA, T. - TSUKUI, S. - YOSHIDA, K. - ADACHI, M. - GORETTA, K. C. Effect of Rate on Pulsed Laser Deposition of Yttria-Stabilized Zirconia Electrolyte Thin Films for SOFCs. In *JOURNAL OF FUEL CELL SCIENCE AND TECHNOLOGY*. ISSN 1550-624X, 2015, vol. 12, no. 3, 031002., Registrované v: WOS
6. [1.1] OPITZ, A. K. - GERSTL, M. - BRAM, M. Model System Supported Impedance Simulation of Composite Electrodes. In *FUEL CELLS*. ISSN 1615-6846, 2019, vol. 19, no. 4, pp. 417-428., Registrované v: WOS
7. [1.1] ZHAO, Bingxin - WANG, Jinshu - LI, Hongyi - XU, Yue - YU, Haijun - JIA, Xinjian - ZHANG, Xiaofei - HAO, Yaowu. Solar-to-Electric Performance Enhancement by Titanium Oxide Nanoparticles Coated with Porous Yttrium Oxide for Dye-Sensitized Solar Cells. In *ACS SUSTAINABLE CHEMISTRY & ENGINEERING*. ISSN 2168-0485, 2015, vol. 3, no. 7, pp. 1518-1525., Registrované v: WOS

ADCA389 HARTMANOVÁ, Mária - LOMONOVA, E.E. - NAVRÁTIL, V. - ŠUTTA, P. - KUNDRACIK, F. Characterization of yttria-doped ceria prepared by directional crystallization. In *Journal of Materials Science*, 2005, vol. 40, no. 21, p. 5679-5683. (2004: 0.864 - IF, Current Contents - CCC). (2005 - Current Contents). ISSN 0022-2461. Dostupné na: <https://doi.org/10.1007/s10853-005-2795-9>

Ohlasy:

1. [1.1] DWIVEDI, Sudhanshu. Solid oxide fuel cell: Materials for

anode, cathode and electrolyte. In INTERNATIONAL JOURNAL OF HYDROGEN ENERGY. ISSN 0360-3199, 2020, vol. 45, no. 44, pp. 23988-24013., Registrované v: WOS

2. [1.1] LACZ, Agnieszka - OKAS, Paulina - LACH, Radoslaw. Reactivity of solid BaCe_{0.9}Y_{0.1}O_{3-δ} towards melted WO₃. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2019, vol. 797, pp. 131-139., Registrované v: WOS

3. [1.1] LACZ, Agnieszka. Reactivity of solid BaCe_{0.9}Y_{0.1}O₃ towards liquid V₂O₅. In CERAMICS INTERNATIONAL. ISSN 0272-8842, 2019, vol. 45, no. 6, pp. 7077-7084., Registrované v: WOS

4. [1.1] LACZ, A. - PASIERB, P. Reaction mechanism in solid BaCe_{0.9}Y_{0.1}O₃ liquid BaWO₄ system. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2017, vol. 723, pp. 288-294., Registrované v: WOS

5. [1.1] VAN STEENBERGE, S. - DEPLA, D. Sputter deposition of Ce(Sm,Y)O₂ thin films: linking phase instability to grain size. In JOURNAL OF PHYSICS D-APPLIED PHYSICS. ISSN 0022-3727, 2016, vol. 49, no. 24, 245302., Registrované v: WOS

ADCA390 HARTMANOVÁ, Mária - THURZO, Ilja - JERGEL, Matej - BARTOŠ, J. - KADLEC, K. - ŽELEZNÝ, V. - TUNEGA, Daniel - KUNDRACIK, F. - CHROMIK, Štefan - BRUNEL, M. Characterization of yttria-stabilized zirconia thin films deposited by electron beam evaporation on silicon substrates. In *Journal of Materials Science*, 1998, vol. 33, no. 4, p. 969-975. (1997: 0.670 - IF). Dostupné na: <https://doi.org/10.1023/A:1004359727737>

Ohlasy:

1. [1.1] CHOPADE, S.S. - NAYAK, C. - BHATTACHARYYA, D. - JHA, S.N. - TOKAS, R.B. - SAHOO, N.K. - DEO, M.N. - BISWAS, A. - RAI, S. - RAMAN, K.H.T. - RAO, G.M. - KUMAR, N. - PATIL, D.S. In APPLIED SURFACE SCIENCE. NOV 15 2015, vol. 355, p. 82-92., Registrované v: WOS

2. [1.1] PATIL, D.S. - KAR, R. - CHOPADE, S.S. In MATERIALS UNDER EXTREME CONDITIONS: RECENT TRENDS AND FUTURE PROSPECTS. 2017, p. 411-469., Registrované v: WOS

3. [1.1] POP, L. - RADA, S. - AN, P. - ZHANG, J. - RADA, M. - SUCIU, R. C. - CULEA, E. Characteristics and local structure of hafnia-silicate-zirconate ceramic nanomixtures. In JOURNAL OF SYNCHROTRON RADIATION. ISSN 0909-0495, 2020, vol. 27, pp. 970-978., Registrované v: WOS

ADCA391 HARTMANOVÁ, Mária - POULSEN, F.W. - HANIC, F. - PUTYERA, K. - TUNEGA, Daniel - URUSOVSKAYA, A.A. - ORESHNIKOVA, T.V. Influence of copper-doping and iron-doping on cubic yttria-stabilized zirconia. In *Journal of Materials Science*, 1994, vol. 29, no. 8, p. 2152-2158. (1993: 0.765 - IF, Current Contents - CCC). (1994 - Current Contents, SCOPUS). ISSN 0022-2461.

Ohlasy:

1. [1.1] NIKONOV, A. V. - KAYGORODOV, A. S. - KUTERBEKOV, K. A. - et al. Microhardness and Fracture Toughness of ZrO₂-Sc₂O₃ Solid Electrolyte, Doped with Rare-Earth and Transition Metals. In INORGANIC MATERIALS. ISSN 0020-1685, 2017, vol. 53, no. 9, pp. 937-943., Registrované v: WOS

2. [1.1] SATARDEKAR, Pradnyesh - NAIK, Kiran - SGLAVO, Vincenzo M. Detection of phases in Fe-doped YSZ by XRD and Raman spectroscopy. In INTERNATIONAL JOURNAL OF APPLIED CERAMIC TECHNOLOGY. ISSN 1546-542X, 2020, vol. 17, no. 5, pp. 2424-2429., Registrované v: WOS
3. [1.1] WANG, Ch.-L. - LAN, T.-H. - TZENG, CH.-W. - et al. Densification and biocompatibility of sintering 3.0 mol% yttria-tetragonal ZrO₂ polycrystal ceramics with x wt% Fe₂O₃ and 5.0 wt% mica powders additive. In CERAMICS INTERNATIONAL. ISSN 0272-8842, 2017, vol. 43, no. 2, pp. 1809-1818., Registrované v: WOS

ADCA392 HARTMANOVÁ, Mária - NÁDAŽDY, Vojtech - KUNDRACIK, F. - MANSILLA, C. Influence of deposition conditions on electrical and mechanical properties of Sm₂O₃-doped CeO₂ thin films prepared by EB-PVD (+IBAD) methods : Part 1: Effective relative permittivity. In *Applied Surface Science*, 2013, vol. 269, p. 65-71. (2012: 2.112 - IF, Q1 - JCR, 0.913 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 0169-4332. Dostupné na: <https://doi.org/10.1016/j.apsusc.2012.10.056>

Ohlasy:

1. [1.1] GAO, Jiu-Tao - CHENG, Lu-Xun - WANG, Yue-Peng - LI, Chang-Jiu - LI, Cheng-Xin. Study on Deposition Behavior of Less Than 5 μ m YSZ Particles in VLPPS. In JOURNAL OF THERMAL SPRAY TECHNOLOGY. ISSN 1059-9630, 2020, vol. 29, no. 7, pp. 1708-1717., Registrované v: WOS

ADCA393 HARTMANOVÁ, Mária - LE, M.T. - VAN DRIESSCHE, I. - HOSTE, S. - KUNDRACIK, F. Phase composition and charge transport in bismuth molybdates. In *Russian Journal of Electrochemistry*, 2005, vol. 41, no. 5, p. 455-460. Dostupné na: <https://doi.org/10.1007/s11175-005-0090-3>

Ohlasy:

1. [1.1] AISWARYA, P. M. - GANESAN, Rajesh - RAJAMADHAVAN, R. - GNANASEKARAN, T. Partial phase diagram of MoO₃ rich section of the ternary Bi-Mo-O system. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2018, vol. 745, pp. 744-752., Registrované v: WOS
2. [1.1] MINH THANG LE - VAN HUNG DO - DUC DUC TRUONG - BRUNEEL, Els - VAN DRIESSCHE, Isabel - RIISAGER, Anders - FEHRMANN, Rasmus - QUANG THANG TRINH. Synergy Effects of the Mixture of Bismuth Molybdate Catalysts with SnO₂/ZrO₂/MgO in Selective Propene Oxidation and the Connection between Conductivity and Catalytic Activity. In INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH. ISSN 0888-5885, 2016, vol. 55, no. 17, pp. 4846-4855., Registrované v: WOS
3. [1.1] PRITAM, Anurag - SHRIVASTAVA, Vaibhav. Deviations from Vegard's Law and Intense Raman Scattering in Low-Doped Bi₂Mo_{1-x}W_xO₆ (x=0-10%) Ceramics. In PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS. ISSN 0370-1972, 2020, vol. 257, no. 3, 1900450., Registrované v: WOS
4. [1.1] SPRENGER, Paul - KLEIST, Wolfgang - GRUNWALDT, Jan-Dierk. Recent Advances in Selective Propylene Oxidation over Bismuth Molybdate Based Catalysts: Synthetic, Spectroscopic, and Theoretical

Approaches. In ACS CATALYSIS. ISSN 2155-5435, 2017, vol. 7, no. 9, pp. 5628-5642., Registrované v: WOS

5. [1.1] YI, Wang. Controllable Growth of Bi₂MoO₆ Nanoplates by Citric Acid Assisted Hydrothermal Process and Their Photocatalytic Properties. In IN WEB OF CONFERENCES, 2016, vol. 67, UNSP 06042., Registrované v: WOS

ADCA394 HARTMANOVÁ, Mária - KUBEL, F. - BURŠÍKOVÁ, V. - LOMONOVA, E.E. - HOLGADO, J.P. - NAVRÁTIL, V. - NAVRÁTIL, K. - KUNDRÁČIK, F. Phase composition-dependent physical and mechanical properties of Yb_xZr_{1-x/2} solid solutions. In *Journal of Physics and Chemistry of Solids*, 2008, vol. 69, no. 4, p. 805-814. ISSN 0022-3697.

Ohlasy:

1. [1.1] BENITEZ-RICO, A. - GARCIA-SANCHEZ, M. F. - PICQUART, M. - MONROY-PELAEZ, B. M. - SANTANA-RODRIGUEZ, G. Understanding the High Ionic Conductivity in Nanostructured Ytterbium Stabilized Zirconia Thin Films. In JOURNAL OF NANOMATERIALS. ISSN 1687-4110, 2015, 692648., Registrované v: WOS

2. [1.1] TANA, Francesca - SERAFINI, Andrea - LUTTEROTTI, Luca - CIGADA, Alberto - VARIOLA, Fabio - BONDIOLI, Federica - DE NARDO, Luigi. Particle anisotropy and crystalline phase transition in one-pot synthesis of nano-zirconia: a causal relationship. In CRYSTENGCOMM. ISSN 1466-8033, 2018, vol. 20, no. 7, pp. 879-888., Registrované v: WOS

ADCA395 HARTMANOVÁ, Mária - LOMONOVA, E.E. - KUBEL, F. - SCHNEIDER, J. - BURŠÍKOVÁ, V. - JERĚL, Matej - NAVRÁTIL, V. - KUNDRÁČIK, F. Relationship between effective ionic radii, structure and electro-mechanical properties of zirconia stabilized with rare earth oxides M₂O₃ (M = Yb, Y, Sm). In *Journal of Material Science*, 2009, vol. 44, no. 1, p. 234-243. Dostupné na: <https://doi.org/10.1007/s10853-008-3085-0>

Ohlasy:

1. [1.1] COUSLAND, G. P. - CUI, X. Y. - SMITH, A. E. - STAMPFL, A. P. J. - STAMPF, C. M. Mechanical properties of zirconia, doped and undoped yttria-stabilized cubic zirconia from first-principles. In JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS. ISSN 0022-3697, 2018, vol. 122, pp. 51-71., Registrované v: WOS

2. [1.1] GROVER, V.-TYAGI, A.K. Ceria-based solid solutions. Chapter 2 . In NEW RESEARCH TRENDS OF FLUORIDE-BASED OXIDE MATERIALS: FROM BASIC CHEMISTRY AND MATERIALS SCIENCE TO ENGINEERING APPLICATIONS. Eds. A. Nakamura and J. Mizusaki. Singapore, Nova Science Publishers Inc. 2015, p. 29-58., Registrované v: WOS

3. [1.1] LEE, Yeong-Eun - LEE, Jung-A - LEE, Ho-Chang - LEE, Joon-Hyung - HEO, Young-Woo - KIM, Jae-Yuk - KO, Meong Hee - HWANG, Jin-Ha - KIM, Jeong-Joo. Sintering Behavior and Electrochemical Properties of (Gd_{0.1}Ce_{0.9}O_{1.95})(x)(Y_{0.16}Zr_{0.84}O_{1.92})(1-x)(x=0-1) Electrolyte for Solid Oxide Fuel Cells. In JOURNAL OF NANOELECTRONICS AND OPTOELECTRONICS. ISSN 1555-130X, 2015, vol. 10, no. 4, pp. 582-587., Registrované v: WOS

4. [1.1] SEVIN, Louise - RAZAFINDRAMANANA, Volatiana - JULIAN-JANKOWIAK, Aurelie - JUSTIN, Jean-Francois - MAUVY, Fabrice -

REBILLAT, F. Effect of high-content Yttria on the thermal expansion behaviour and ionic conductivity of a stabilised cubic Hafnia. In JOURNAL OF THE EUROPEAN CERAMIC SOCIETY. ISSN 0955-2219, 2020, vol. 40, no. 15, pp. 5859-5869., Registrované v: WOS

5. [1.1] XUE, Ye Jian - MIAO, He - HE, Chang Rong - WANG, Jian Xin - LIU, Man - SUN, Shan Shan - WANG, Qin - WANG, Wei Guo. Electrolyte supported solid oxide fuel cells with the super large size and thin ytterbia stabilized zirconia substrate. In JOURNAL OF POWER SOURCES. ISSN 0378-7753, 2015, vol. 279, pp. 610-619., Registrované v: WOS

ADCA396 HARTMANOVÁ, Mária - HANIC, František - TUNEGA, Daniel - PUTYERA, K. Structural and electro-optical properties of Co-doped yttria-stabilized zirconia. In *Chemical Papers - Chemické zvesti*, 1998, vol. 52, no. 1, p. 12-15. (1997: 0.150 - IF, Current Contents - CCC). (1998 - Current Contents). ISSN 0366-6352.

Ohlasy:

1. [1.1] GOLDBERG, Margarita - OBOLKINA, Tatiana - SMIRNOV, Sergey - PROTSENKO, Pavel - TITOV, Dmitriy - ANTONOVA, Olga - KONOVALOV, Anatoliy - KUDRYAVTSEV, Egor - SVIRIDOVA, Irina - KIRSANOVA, Valentina - SERGEEVA, Natalia - KOMLEV, Vladimir - BARINOV, Sergey. The Influence of Co Additive on the Sintering, Mechanical Properties, Cytocompatibility, and Digital Light Processing Based Stereolithography of 3Y-TZP-5Al(2)O(3)Ceramics. In MATERIALS, 2020, vol. 13, no. 12, 2789., Registrované v: WOS

2. [1.1] SATARDEKAR, Pradnyesh - MONTINARO, Dario - SGLAVO, Vincenzo M. Fe-doped YSZ electrolyte for the fabrication of metal supported-SOFC by co-sintering. In CERAMICS INTERNATIONAL. ISSN 0272-8842, 2015, vol. 41, no. 8, pp. 9806., Registrované v: WOS

3. [1.1] SATARDEKAR, Pradnyesh - NAIK, Kiran - SGLAVO, Vincenzo M. Detection of phases in Fe-doped YSZ by XRD and Raman spectroscopy. In INTERNATIONAL JOURNAL OF APPLIED CERAMIC TECHNOLOGY. ISSN 1546-542X, 2020, vol. 17, no. 5, pp. 2424-2429., Registrované v: WOS

ADCA397 HARTMANOVÁ, Mária - JERDEL, Matej - MANSILLA, C. - HOLGADO, J.P. - ZEMEK, J. - JUREK, K. - KUNDRAČIK, F. Structural characteristics and morphology of SmxCe1-xO2-x/2 thin films. In *Applied Surface Science*, 2009, vol. 255, p. 9085-9091. Dostupné na: <https://doi.org/10.1016/j.apsusc.2009.06.108>

Ohlasy:

1. [1.1] SRIUBAS, Mantas - LAUKAITIS, Giedrius. The Influence of the Technological Parameters on the Ionic Conductivity of Samarium Doped Ceria Thin Films. In MATERIALS SCIENCE-MEDZIAGOTYRA. ISSN 1392-1320, 2015, vol. 21, no. 1, pp. 105-110., Registrované v: WOS

2. [1.1] SURESH, R.-PONNUSWAMY, V.-MARIAPPAN, R. Influence of mole concentration on the optical properties of nebulized spray coated CeO2. In JOURNAL OPTICS (INDIA), 2015, vol. 44, p. 203-209., Registrované v: WOS

ADCA398 HARTMANOVÁ, Mária - HANIC, F. - PUTYERA, K. - TUNEGA, Daniel - GLUSHKOVA, V.B. Structure and physical properties of stabilized HfO2-R2O3 (R

= Sc, Yb, Y, Tb, Gd, Er). In *Materials Chemistry and Physics*, 1993, vol. 34, no. 2, p. 175-180. ISSN 0254-0584. Dostupné na: [https://doi.org/10.1016/0254-0584\(93\)90209-5](https://doi.org/10.1016/0254-0584(93)90209-5)

Ohlasy:

1. [1.1] SEVIN, Louise - RAZAFINDRAMANANA, Volatiana - JULIAN-JANKOWIAK, Aurelie - JUSTIN, Jean-Francois - MAUVY, Fabrice - REBILLAT, F. Effect of high-content Yttria on the thermal expansion behaviour and ionic conductivity of a stabilised cubic Hafnia. In *JOURNAL OF THE EUROPEAN CERAMIC SOCIETY*. ISSN 0955-2219, 2020, vol. 40, no. 15, pp. 5859-5869., Registrované v: WOS
2. [1.1] YU HAIHANG - LIU CHANGJIANG - ZHANG ZHIKUN - HUANG SHIMIN - YANG YUNLING - MAO RIHUA - FENG HE - ZHAO JINGTAI. Single crystal growth and luminescent properties of YSH:Eu scintillator by optical floating zone method. In *CHEMICAL PHYSICS LETTERS*. ISSN 0009-2614, 2020, vol. 738, 136916., Registrované v: WOS

ADCA399 HARTMANOVÁ, Mária - LE, M.T. - JERGEL, Matej - ŠMATKO, Vasilij - KUNDRACIK, F. Structure and electrical conductivity of multicomponent metal oxides having scheelite structure. In *Russian Journal of Electrochemistry*, 2009, vol. 45, no. 6, p. 621-629. (2008: 0.431 - IF, Q4 - JCR, 0.218 - SJR, Q4 - SJR, Current Contents - CCC). (2009 - Current Contents). ISSN 1023-1935. Dostupné na: <https://doi.org/10.1134/S1023193509060019>

Ohlasy:

1. [1.1] DRIDI, W. - ZID, M.F. - MACZKA, M. Electrical and Vibrational Studies of Na₂K₂Cu(MoO₄)(3). In *ADVANCES IN MATERIALS SCIENCE AND ENGINEERING*. 2017, 6123628., Registrované v: WOS
2. [1.1] KRAD, Imen - ZAITER, Nissrine - BIDAULT, Olivier - MEGRICHE, Adel - EL MAAOUI, Mohamed. Dielectric relaxation phenomenon and conductivity in lead-free ceramics. In *PHYSICA B-CONDENSED MATTER*. ISSN 0921-4526, 2018, vol. 545, pp. 346-351., Registrované v: WOS
3. [1.1] LIN, He - ZHANG, Haitao - HE, Xiang - XU, Wentao - ZHOU, Youfu - YI, Zhiguo. Dynamic Mechanical and Electric Behaviors of La-Doped BiVO₄. In *CRYSTAL GROWTH & DESIGN*. ISSN 1528-7483, 2019, vol. 19, no. 1, pp. 275-284., Registrované v: WOS
4. [1.1] LIN, He - ZHANG, Haitao - PANG, Dongfang - ZHOU, Youfu - YI, Zhiguo. Dynamic behavior of BiVO₄ material under mechanical studies. In *JOURNAL OF ALLOYS AND COMPOUNDS*. ISSN 0925-8388, 2019, vol. 774, pp. 651-655., Registrované v: WOS
5. [1.1] MAO, ShengJian - LI, WenFang - ZENG, XieRong - YI, AiHua - LIAO, ZhongMiao - ZHU, Wen. Multiple transitional metal oxides conversion coating on AA6063 toward corrosion protection and electrical conductivity. In *SURFACE & COATINGS TECHNOLOGY*. ISSN 0257-8972, 2020, vol. 397, 125819., Registrované v: WOS
6. [1.1] MINH THANG LE - VAN HUNG DO - DUC DUC TRUONG - BRUNEEL, Els - VAN DRIESSCHE, Isabel - RIISAGER, Anders - FEHRMANN, Rasmus - QUANG THANG TRINH. Synergy Effects of the Mixture of Bismuth Molybdate Catalysts with SnO₂/ZrO₂/MgO in Selective Propene Oxidation and the Connection between Conductivity and Catalytic Activity. In *INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH*. ISSN 0888-5885, 2016, vol. 55, no. 17, pp. 4846-4855., Registrované v: WOS

7. [1.1] NOWAK, Andrzej P. - TRZCINSKI, K. - SZKODA, M. - KARCZEWSKI, J. - GAZDA, M. - LISOWSKA-OLEKSIK, A. A negative effect of carbon phase on specific capacity of electrode material consisted of nanosized bismuth vanadate embedded in carbonaceous matrix. In *SYNTHETIC METALS*. ISSN 0379-6779, 2019, vol. 257, UNSP 116168., Registrované v: WOS
8. [1.1] SAHMI, A. - BENSADOK, K. - ZIROUR, H. - TRARI, M. Physical and photoelectrochemical characterizations of SrWO₄ prepared by thermal decomposition. Application to the photo electro-oxidation of ibuprofen. In *JOURNAL OF SOLID STATE ELECTROCHEMISTRY*. OCT 2017, vol. 21, no. 10, p. 2817-2824., Registrované v: WOS
9. [1.1] SPRENGER, P. - KLEIST, W. - GRUNWALDT, J.D. Recent Advances in Selective Propylene Oxidation over Bismuth Molybdate Based Catalysts: Synthetic, Spectroscopic, and Theoretical Approaches. In *ACS CATALYSIS*. SEP 2017, vol. 7, no. 9, p. 5628-5642., Registrované v: WOS
10. [1.1] WANG, Zuoshan - FENG, Yongyi - CAO, Lei - XUE, Mingqiang - SHEN, Kaixuan - ZHENG, Min. Preparation and optical properties of Bi₂FeVMoO₁₀ nanoparticles structurally derived from cationsubstitutions in Scheelite-type BiVO₄. In *MATERIALS RESEARCH BULLETIN*. ISSN 0025-5408, 2018, vol. 100, pp. 145-152., Registrované v: WOS

ADCA400 HARTMANOVÁ, Mária - JERGEL, Matej - THURZO, Ilja - KUNDRACIK, F. - GMUCOVÁ, Katarína - CHROMIK, Štefan - ORTEGA, L. Thin film electrolytes - yttria stabilized zirconia and ceria. In *Russian Journal of Electrochemistry*, 2003, vol. 39, p. 478-485. ISSN 1023-1935.

Ohlasy:

1. [1.1] BABU, A.S. - BAURI, R. - REDDY, G.S. Processing and conduction behavior of nanocrystalline Gd-doped and rare earth co-doped ceria electrolytes. In *ELECTROCHIMICA ACTA*. AUG 10 2016, vol. 209, p. 541-550., Registrované v: WOS
2. [1.1] GUPTA, M. - SHIRBHATE, S. - OJHA, P. - ACHARYA, S. Processing and conductivity behavior of La, Sm, Fe singly and doubly doped ceria: As electrolytes for IT-SOFCs. In *SOLID STATE IONICS*. JUL 2018, vol. 320, p. 199-209., Registrované v: WOS

ADCA401 HASLAR, V. - KRAUS, L. - DLOUHY, D. - DUHAJ, Pavol - ŠVEC, Peter. Influence of Si and Nb content on magnetostriction and creep-induced magnetic anisotropy of nanocrystalline FeNbCuSiB alloys. In *Journal of Magnetism and Magnetic Materials*, 1996, vol. 160, p. 257-258. (1995: 1.208 - IF, Current Contents - CCC). (1996 - Current Contents, WOS, SCOPUS). ISSN 0304-8853.

Ohlasy:

1. [1.1] DAN, Zhenhua - ZHANG, Yan - TAKEUCHI, Akira - HARA, Nobuyoshi - QIN, Fengxiang - MAKINO, Akihiro - CHANG, Hui. Effect of substitution of Cu by Au and Ag on nanocrystallization behavior of Fe_{83.3}Si₄B₈P₄Cu_{0.7} soft magnetic alloy. In *JOURNAL OF ALLOYS AND COMPOUNDS*. ISSN 0925-8388, 2016, vol. 683, pp. 263-270., Registrované v: WOS

ADCA402 HASSAN IBRAHIM, Ahmed Mohamed - BALOG, Martin** - KRÍŽIK, Peter - NOVY, Frantisek - CETIN, Yuksel - ŠVEC, Peter Jr. - BAJANA, Otto -

DRIENOVSKY, Marian. Partially biodegradable Ti-based composites for biomedical applications subjected to intense and cyclic loading. In *Journal of Alloys and Compounds*, 2020, vol. 839, 155663. (2019: 4.650 - IF, Q1 - JCR, 1.055 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents, WOS, SCOPUS). ISSN 0925-8388. Dostupné na: <https://doi.org/10.1016/j.jallcom.2020.155663>

Ohlasy:

1. [1.1] ZHANG, Siqian - ZHANG, Haoyu - HAO, Junhong - LIU, Jing - SUN, Jie - CHEN, Lijia. Cyclic Stress Response Behavior of Near beta Titanium Alloy and Deformation Mechanism Associated with Precipitated Phase. In *METALS*, 2020, vol. 10, no. 11, 1482., Registrované v: WOS

ADCA403 HAVUKAINEN, M. - DROBNÝ, Gabriel - STENHOLM, S. - BUŽEK, Vladimír. Quantum simulations of optical systems. In *Journal of Modern Optics*, 1999, vol. 46, no. 9, p. 1343-1367. (1999 - Current Contents). ISSN 0950-0340.

Ohlasy:

1. [1.1] REICHEGGER, Andreas - EVERS, Joerg. Temporal dynamics of stimulated emission with applications in nuclear quantum optics. In *PHYSICAL REVIEW A*. ISSN 1050-2947, 2015, vol. 91, no. 5, 053810., Registrované v: WOS

ADCA404 HECZKO, Oleg - ŠVEC, Peter - JANIČKOVIČ, Dušan - ULLAKKO, Kari. Magnetic Properties of Ni-Mn-Ga ribbon prepared by rapid solidification. In *IEEE Transactions on Magnetics*, 2002, vol. 38, no. 5, p. 2841-2843. ISSN 0018-9464. Dostupné na: <https://doi.org/10.1109/TMAG.2002.802471>

Ohlasy:

1. [1.1] CHEN, F. - LIU, W. L. - SHI, Y. G. - MUELLNER, P. Influence of annealing on martensitic transformation and magnetic entropy change in Ni_{37.7}Co_{12.7}Mn_{40.8}Sn_{8.8} magnetic shape memory alloy ribbon. In *JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS*. ISSN 0304-8853, 2015, vol. 377, pp. 137-141., Registrované v: WOS
2. [1.1] LIU, Yao - ZHANG, Ming - HU, Fengxia - WANG, Jing - WU, Rongrong - ZHAO, Yingying - KUANG, Hao - ZUO, Wenliang - SUN, Jirong - SHEN, Baogen. The Martensitic Transition and Magnetocaloric Effect of Mn-Poor MnCoGe Melt-Spun Ribbons. In *IEEE TRANSACTIONS ON MAGNETICS*. ISSN 0018-9464, 2015, vol. 51, no. 11, 2504704., Registrované v: WOS
3. [1.1] PANDEY, Sudip - QUETZ, Abdiel - IBARRA-GAYTAN, P. J. - SANCHEZ-VALDES, C. F. - ARYAL, Anil - DUBENKO, Igor - SANCHEZ LLAMAZARES, J. L. - STADLER, Shane - ALI, Naushad. Magnetic and martensitic transformations in Ni₄₈Co₂Mn₃₅In₁₅ melt-spun ribbons. In *AIP ADVANCES*. ISSN 2158-3226, 2018, vol. 8, no. 10, 101410., Registrované v: WOS
4. [1.1] QIAN, M. F. - ZHANG, X. X. - WEI, L. S. - GENG, L. - PENG, H. X. Structural, magnetic and mechanical properties of oligocrystalline Ni-Mn-Ga shape memory microwires. In *MATERIALS TODAY-PROCEEDINGS*. ISSN 2214-7853, 2015, vol. 2, pp. 577-581., Registrované v: WOS
5. [1.1] QIAN, M. F. - ZHANG, X. X. - WEI, L. S. - GENG, L. - PENG, H. X. Effect of chemical ordering annealing on martensitic transformation and superelasticity in polycrystalline Ni-Mn-Ga microwires. In *JOURNAL OF*

ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2015, vol. 645, pp. 335-343., Registrované v: WOS

6. [1.1] QIAN, M. F. - ZHANG, X. X. - WEI, L. S. - MARTIN, P. G. - SUN, J. F. - GENG, L. - SCOTT, T. B. - PANINA, L. V. - PENG, H. X.

Microstructural evolution of Ni-Mn-Ga microwires during the melt-extraction process. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2016, vol. 660, pp. 244-251., Registrované v: WOS

7. [1.1] QIAN, M. F. - ZHANG, X. X. - LI, X. - ZHANG, R. C. - MARTIN, P. G. - SUN, J. F. - GENG, L. - SCOTT, T. B. - PENG, H. X.

Magnetocaloric effect in bamboo-grained Ni-Mn-Ga microwires over a wide working temperature interval. In MATERIALS & DESIGN. ISSN 0264-1275, 2020, vol. 190, 108557., Registrované v: WOS

8. [1.1] TOMAN, Jakub - MULLNER, Peter - CHMIELUS, Markus.

Properties of as-deposited and heat-treated Ni-Mn-Ga magnetic shape memory alloy processed by directed energy deposition. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2018, vol. 752, pp. 455-463., Registrované v: WOS

9. [1.1] ZHANG, Mingang - LIU, Wenhe - CHEN, Fenghua - ZHANG, Kewei - LI, Fan - ZHAO, Dongyang - XU, Xiaohong. Martensitic

Transformation and Magnetocaloric Effect in High-Pressure Synthesized Ni₅₃Mn_{23.5}Ga_{23.5} Alloys. In JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM. ISSN 1557-1939, 2019, vol. 32, no. 8, pp. 2673-2678., Registrované v: WOS

10. [1.1] ZHANG, Xuexi - QIAN, Mingfang - ZHANG, Zhe - WEI, Longsha - GENG, Lin - SUN, Jianfei. Magnetostructural coupling and magnetocaloric effect in Ni-Mn-Ga-Cu microwires. In APPLIED PHYSICS LETTERS. ISSN 0003-6951, 2016, vol. 108, no. 5, 052401., Registrované v: WOS

ADCA405 HECZKO, O. - KRAUS, L. - HASLAR, V. - DUHAJ, Pavol - ŠVEC, Peter.

Magnetic properties of the crystalline and amorphous components of a nanocrystalline FeNbB alloy. In *Journal of Magnetism and Magnetic Materials*, 1992, vol. 112, no. 1-3, p. 275-277. (1991: 1.300 - IF, Current Contents - CCC). (1992 - Current Contents). ISSN 0304-8853. Dostupné na: [https://doi.org/10.1016/0304-8853\(96\)00189-8](https://doi.org/10.1016/0304-8853(96)00189-8)

Ohlasy:

1. [1.1] RAMASAMY, Parthiban - SHAHID, Rub Nawaz - SCUDINO, Sergio - et al. Influencing the crystallization of Fe₈₀Nb₁₀B₁₀ metallic glass by ball milling. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2017, vol. 725, pp. 227-236., Registrované v: WOS

ADCA406 HEGEDUS, Michal** - BALÁŽ, Matej - TEŠINSKÝ, Matej - SAYAGUÉS,

Mária Jesús - ŠIFFALOVIC, Peter - KRULÁKOVÁ, Mária - KANUCHOVÁ, Mária - BRIANČIN, Jaroslav - FABIÁN, Martin - BALÁŽ, Peter. Scalable synthesis of potential solar cell absorber Cu₂SnS₃ (CTS) from nanoprecursors. In *Journal of Alloys and Compounds*, 2018, vol. 768, p. 1006-1015. (2017: 3.779 - IF, Q1 - JCR, 1.020 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 0925-8388. Dostupné na: <https://doi.org/10.1016/j.jallcom.2018.07.284>

Ohlasy:

1. [1.1] BUDANOV, A. - VLASOV, Yu N. - KOTOV, G. - RUDNEV, E. - VINOKUROV, A. A. Cu₂SnS₃ FILMS SYNTHESIS DURING ANNEALING OF 2Cu:1Sn METALL ALLOY LAYERS IN SULFUR VAPOR. In CHALCOGENIDE LETTERS. ISSN 1584-8663, 2019, vol. 16, no. 6, pp. 283-289., Registrované v: WOS

2. [1.1] GIACCHERINI, Andrea - CUCINOTTA, Giuseppe - MARTINUZZI, Stefano - BERRETTI, Enrico - OBERHAUSER, Werner - LAVACCHI, Alessandro - LEPORE, Giovanni Orazio - MONTEGROSSI, Giordano - ROMANELLI, Maurizio - DE LUCA, Antonio - INNOCENTI, Massimo - CECCHI, Vanni Moggi - MANNINI, Matteo - BUCCIANI, Antonella - DI BENEDETTO, Francesco. Green and scalable synthesis of nanocrystalline kuramite. In BEILSTEIN JOURNAL OF NANOTECHNOLOGY. ISSN 2190-4286, 2019, vol. 10, no., pp. 2073-2083., Registrované v: WOS

ADCA407 HEINOSAARI, Teiko - REITZNER, Daniel - RYBÁR, Tomáš - ZIMAN, Mário. Incompatibility of unbiased qubit observables and Pauli channels. In *Physical Review A*, 2018, vol. 97, no. 2, 022112. (2017: 2.909 - IF, Q1 - JCR, 1.288 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.97.022112>

Ohlasy:

1. [1.1] HAAPASALO, Erkka. Compatibility of Covariant Quantum Channels with Emphasis on Weyl Symmetry. In ANNALES HENRI POINCARÉ. ISSN 1424-0637, 2019, vol. 20, no. 9, pp. 3163-3195., Registrované v: WOS

ADCA408 HEINOSAARI, T. - MIYADERA, T. - ZIMAN, Mário. An invitation to quantum incompatibility. In *Journal of Physics A: Mathematical and Theoretical*, 2016, vol. 49, no. 12, 123001. (2015: 1.933 - IF, Q1 - JCR, 1.028 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 1751-8113. Dostupné na: <https://doi.org/10.1088/1751-8113/49/12/123001>

Ohlasy:

1. [1.1] ALBARELLI, Francesco - FRIEL, Jamie F. - DATTA, Animesh. Evaluating the Holevo Cramer-Rao Bound for Multiparameter Quantum Metrology. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 123, no. 20, 200503., Registrované v: WOS

2. [1.1] ANDREJIC, Nikola - KUNJWAL, Ravi. Joint measurability structures realizable with qubit measurements: Incompatibility via marginal surgery. In PHYSICAL REVIEW RESEARCH, 2020, vol. 2, no. 4, 043147., Registrované v: WOS

3. [1.1] ANWER, Hammad - NAWAREG, Mohamed - CABELLO, Adan - BOURENNANE, Mohamed. Experimental test of maximal tripartite nonlocality using an entangled state and local measurements that are maximally incompatible. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 2, 022104., Registrované v: WOS

4. [1.1] BARCHIELLI, Alberto - GREGORATTI, Matteo - TOIGO, Alessandro. Measurement Uncertainty Relations for Position and Momentum: Relative Entropy Formulation. In ENTROPY. ISSN 1099-4300, 2017, vol. 19, no. 7, 301., Registrované v: WOS

5. [1.1] BARCHIELLI, Alberto - GREGORATTI, Matteo - TOIGO, Alessandro. Measurement Uncertainty Relations for Discrete Observables: Relative Entropy Formulation. In COMMUNICATIONS IN MATHEMATICAL PHYSICS. ISSN 0010-3616, 2018, vol. 357, no. 3, pp. 1253-1304., Registrované v: WOS
6. [1.1] BARCHIELLI, Alberto - GREGORATTI, Matteo. Entropic measurement uncertainty relations for all the infinite components of a spin vector. In JOURNAL OF PHYSICS COMMUNICATIONS. ISSN 2399-6528, 2020, vol. 4, no. 5, 055003., Registrované v: WOS
7. [1.1] BLUHM, Andreas - NECHITA, Ion. Joint measurability of quantum effects and the matrix diamond. In JOURNAL OF MATHEMATICAL PHYSICS. ISSN 0022-2488, 2018, vol. 59, no. 11, 112202., Registrované v: WOS
8. [1.1] BLUHM, Andreas - NECHITA, Ion. Compatibility of Quantum Measurements and Inclusion Constants for the Matrix Jewel. In SIAM JOURNAL ON APPLIED ALGEBRA AND GEOMETRY. ISSN 2470-6566, 2020, vol. 4, no. 2, pp. 255-296., Registrované v: WOS
9. [1.1] BRAINERD, C. J. - NAKAMURA, K. - CHANG, M. - BIALER, D. M. Super-overdistribution. In JOURNAL OF MEMORY AND LANGUAGE. ISSN 0749-596X, 2019, vol. 108, 104027., Registrované v: WOS
10. [1.1] BUSCEMI, Francesco - CHITAMBAR, Eric - ZHOU, Wenbin. Complete Resource Theory of Quantum Incompatibility as Quantum Programmability. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2020, vol. 124, no. 12, 120401., Registrované v: WOS
11. [1.1] CARMELI, Claudio - CASSINELLI, Gianni - TOIGO, Alessandro. Constructing Extremal Compatible Quantum Observables by Means of Two Mutually Unbiased Bases. In FOUNDATIONS OF PHYSICS. ISSN 0015-9018, 2019, vol. 49, no. 6, pp. 532-548., Registrované v: WOS
12. [1.1] CAVALCANTI, D. - SKRZYPCZYK, P. Quantitative relations between measurement incompatibility, quantum steering, and nonlocality. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 93, no. 5, 052112., Registrované v: WOS
13. [1.1] DESIGNOLLE, Sebastien - FARKAS, Mate - KANIEWSKI, Jędrzej. Incompatibility robustness of quantum measurements: a unified framework. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2019, vol. 21, no. 11, 113053., Registrované v: WOS
14. [1.1] DESIGNOLLE, Sebastien - SKRZYPCZYK, Paul - FROEWIS, Florian - BRUNNER, Nicolas. Quantifying Measurement Incompatibility of Mutually Unbiased Bases. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 122, no. 5, 050402., Registrované v: WOS
15. [1.1] GUERINI, Leonardo - CUNHA, Marcelo Terra. Uniqueness of the joint measurement and the structure of the set of compatible quantum measurements. In JOURNAL OF MATHEMATICAL PHYSICS. ISSN 0022-2488, 2018, vol. 59, no. 4, 042106., Registrované v: WOS
16. [1.1] GUERINI, Leonardo - QUINTINO, Marco Tulio - AOLITA, Leandro. Distributed sampling, quantum communication witnesses, and measurement incompatibility. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 4, 042308., Registrované v: WOS
17. [1.1] HAMAMURA, Ikko - MIYADERA, Takayuki. Relation between the state distinction power and disturbance in quantum measurements. In

- JOURNAL OF MATHEMATICAL PHYSICS. ISSN 0022-2488, 2019, vol. 60, no. 8, 082103., Registrované v: WOS
18. [1.1] JENCOVA, Anna. Incompatible measurements in a class of general probabilistic theories. In PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 98, no. 1, 012133., Registrované v: WOS
19. [1.1] KRIVACHY, Tamas - FROWIS, Florian - BRUNNER, Nicolas. Tight steering inequalities from generalized entropic uncertainty relations. In PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 98, no. 6, 062111., Registrované v: WOS
20. [1.1] KURAMOCHI, Yui. Compatibility of any pair of 2-outcome measurements characterizes the Choquet simplex. In POSITIVITY. ISSN 1385-1292, 2020, vol. 24, no. 5, pp. 1479-1486., Registrované v: WOS
21. [1.1] KURAMOCHI, Yui. Quantum incompatibility of channels with general outcome operator algebras. In JOURNAL OF MATHEMATICAL PHYSICS. ISSN 0022-2488, 2018, vol. 59, no. 4, 042203., Registrované v: WOS
22. [1.1] LOPEZ-ROSA, Sheila - XU, Zhen-Peng - CABELLO, Adan. Maximum nonlocality in the (3,2,2) scenario. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 94, no. 6, 062121pp., Registrované v: WOS
23. [1.1] MARTINS, E. - SAVI, M. F. - ANGELO, R. M. Quantum incompatibility of a physical context. In PHYSICAL REVIEW A. ISSN 2469-9926, 2020, vol. 102, no. 5, 050201., Registrované v: WOS
24. [1.1] MORI, Junki. Operational characterization of incompatibility of quantum channels with quantum state discrimination. In PHYSICAL REVIEW A. ISSN 2469-9926, 2020, vol. 101, no. 3, 032331., Registrované v: WOS
25. [1.1] PERARNAU-LLOBET, Marti - NIEUWENHUIZEN, Theodorus Maria. Simultaneous measurement of two noncommuting quantum variables: Solution of a dynamical model. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 95, no. 5, 052129., Registrované v: WOS
26. [1.1] PLAVALA, Martin. All measurements in a probabilistic theory are compatible if and only if the state space is a simplex. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 94, no. 4, 042108., Registrované v: WOS
27. [1.1] PLAVALA, Martin. Conditions for the compatibility of channels in general probabilistic theory and their connection to steering and Bell nonlocality. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 96, no. 5, 052127., Registrované v: WOS
28. [1.1] QUINTINO, Marco Tulio - BUDRONI, Costantino - WOODHEAD, Erik - CABELLO, Adan - CAVALCANTI, Daniel. Device-Independent Tests of Structures of Measurement Incompatibility. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 123, no. 18, 180401., Registrované v: WOS
29. [1.1] RAZAVIAN, Sholeh - PARIS, Matteo G. A. - GENONI, Marco G. On the Quantumness of Multiparameter Estimation Problems for Qubit Systems. In ENTROPY, 2020, vol. 22, no. 11, 1197., Registrované v: WOS
30. [1.1] SIUDZINSKA, Katarzyna - LUOMA, Kimmo - STRUNZ, Walter T. Geometry on the manifold of Gaussian quantum channels. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 6, 062308., Registrované v: WOS
31. [1.1] SKRZYPCZYK, Paul - HOBAN, Matty J. - SAINZ, Ana Belen - LINDEN, Noah. Complexity of compatible measurements. In PHYSICAL

- REVIEW RESEARCH, 2020, vol. 2, no. 2, 023292., Registrované v: WOS
32. [1.1] SKRZYPCZYK, Paul - SUPIC, Ivan - CAVALCANTI, Daniel. All Sets of Incompatible Measurements give an Advantage in Quantum State Discrimination. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 122, no. 13, 130403., Registrované v: WOS
33. [1.1] SMACZYNSKI, Marek - ROGA, Wojciech - ZYCZKOWSKI, Karol. Selfcomplementary Quantum Channels. In OPEN SYSTEMS & INFORMATION DYNAMICS. ISSN 1230-1612, 2016, vol. 23, no. 3, 1650014., Registrované v: WOS
34. [1.1] STYLIARIS, Georgios - ZANARDI, Paolo. Quantifying the Incompatibility of Quantum Measurements Relative to a Basis. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 123, no. 7, 070401., Registrované v: WOS
35. [1.1] SUN, Bao-Zhi - WANG, Zhi-Xi - LI-JOST, Xianqing - FEI, Shao-Ming. A Note on the Hierarchy of Quantum Measurement Incompatibilities. In ENTROPY, 2020, vol. 22, no. 2, 161., Registrované v: WOS
36. [1.1] TAKAKURA, Ryo - MIYADERA, Takayuki. Preparation uncertainty implies measurement uncertainty in a class of generalized probabilistic theories. In JOURNAL OF MATHEMATICAL PHYSICS. ISSN 0022-2488, 2020, vol. 61, no. 8, 082203., Registrované v: WOS
37. [1.1] TAVAKOLI, Armin - UOLA, Roope. Measurement incompatibility and steering are necessary and sufficient for operational contextuality. In PHYSICAL REVIEW RESEARCH, 2020, vol. 2, no. 1, 013011., Registrované v: WOS
38. [1.1] TUKIAINEN, Mikko. Wigner-Araki-Yanase theorem beyond conservation laws. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 95, no. 1, 012127., Registrované v: WOS
39. [1.1] UOLA, Roope - COSTA, Ana C. S. - CHAU NGUYEN, H. - GUEHNE, Otfried. Quantum steering. In REVIEWS OF MODERN PHYSICS. ISSN 0034-6861, 2020, vol. 92, no. 1, 015001., Registrované v: WOS
40. [1.1] XIAO, Yunlong - GUO, Cheng - MENG, Fei - JING, Naihuan - YUNG, Man-Hong. Incompatibility of observables as state-independent bound of uncertainty relations. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 3, 032118., Registrované v: WOS
41. [1.1] XU, Zhen-Peng - CABELLO, Man. Necessary and sufficient condition for contextuality from incompatibility. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 99, no. 2, 020103., Registrované v: WOS

ADCA409 HEINOSAARI, T. - JIVULESCU, M.A. - REITZNER, Daniel - ZIMAN, Mário. Approximating incompatible von Neumann measurements simultaneously. In *Physical Review A*, 2010, vol. 82, no. 3, 032328. (2009: 2.866 - IF, Q2 - JCR, 2.469 - SJR, Q1 - SJR, Current Contents - CCC). (2010 - Current Contents). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.82.032328>

Ohlasy:

1. [1.1] BARCHIELLI, Alberto - GREGORATTI, Matteo - TOIGO, Alessandro. Measurement Uncertainty Relations for Discrete Observables: Relative Entropy Formulation. In COMMUNICATIONS IN MATHEMATICAL PHYSICS. ISSN 0010-3616, 2018, vol. 357, no. 3, pp. 1253-1304., Registrované v: WOS
2. [1.1] GUERINI, Leonardo - CUNHA, Marcelo Terra. Uniqueness of

the joint measurement and the structure of the set of compatible quantum measurements. In *JOURNAL OF MATHEMATICAL PHYSICS*. ISSN 0022-2488, 2018, vol. 59, no. 4, 042106., Registrované v: WOS

3. [1.1] HOFMANN, Holger F. Local measurement uncertainties impose a limit on nonlocal quantum correlations. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2019, vol. 100, no. 1, 012123., Registrované v: WOS

ADCA410 HEINOSAARI, T. - KIUKAS, J. - REITZNER, Daniel. Coexistence of effects from an algebra of two projections. In *Journal of Physics A*, 2014, vol. 47, no. 22, 225301. (2013: 1.687 - IF, Q2 - JCR, 0.926 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents). ISSN 1751-8113. Dostupné na: <https://doi.org/10.1088/1751-8113/47/22/225301>

Ohlasy:

1. [1.1] GEHER, Gyorgy Pal - SEMRL, Peter. Coexistence on Hilbert Space Effect Algebras and a Characterisation of Its Symmetry Transformations. In *COMMUNICATIONS IN MATHEMATICAL PHYSICS*. ISSN 0010-3616, 2020, vol. 379, no. 3, pp. 1077-1112., Registrované v: WOS

ADCA411 HEINOSAARI, T. - KIUKAS, J. - REITZNER, Daniel - SCHULTZ, J. Incompatibility breaking quantum channels. In *Journal of Physics A: Mathematical and Theoretical*, 2015, vol. 48, no. 43, 435301. (2014: 1.583 - IF, Q2 - JCR, 0.936 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents). ISSN 1751-8113. Dostupné na: <https://doi.org/10.1088/1751-8113/48/43/435301>

Ohlasy:

1. [1.1] BAEK, Kyunghyun - NHA, Hyunchul - SON, Wonmin. Entropic Uncertainty Relations via Direct-Sum Majorization Relation for Generalized Measurements. In *ENTROPY*. ISSN 1099-4300, 2019, vol. 21, no. 3, 270., Registrované v: WOS

2. [1.1] BAEK, Kyunghyun - SON, Wonmin. Unsharpness of generalized measurement and its effects in entropic uncertainty relations. In *SCIENTIFIC REPORTS*. ISSN 2045-2322, 2016, vol. 6, 30228., Registrované v: WOS

3. [1.1] CAVALCANTI, D. - SKRZYPCZYK, P. Quantitative relations between measurement incompatibility, quantum steering, and nonlocality. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2016, vol. 93, no. 5, 052112., Registrované v: WOS

4. [1.1] CAVALCANTI, D. - SKRZYPCZYK, P. Quantum steering: a review with focus on semidefinite programming. In *REPORTS ON PROGRESS IN PHYSICS*. ISSN 0034-4885, 2017, vol. 80, no. 2, 024001., Registrované v: WOS

5. [1.1] DESIGNOLLE, Sebastien - FARKAS, Mate - KANIEWSKI, Jędrzej. Incompatibility robustness of quantum measurements: a unified framework. In *NEW JOURNAL OF PHYSICS*. ISSN 1367-2630, 2019, vol. 21, no. 11, 113053., Registrované v: WOS

6. [1.1] GUERINI, Leonardo - QUINTINO, Marco Tulio - AOLITA, Leandro. Distributed sampling, quantum communication witnesses, and measurement incompatibility. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2019, vol. 100, no. 4, 042308., Registrované v: WOS

7. [1.1] CHAU NGUYEN, H. - HUY-VIET NGUYEN - GUEHNE, Otfried. Geometry of Einstein-Podolsky-Rosen Correlations. In *PHYSICAL*

REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 122, no. 24, 240401.,
Registrované v: WOS

8. [1.1] JENCOVA, Anna - PLAVALA, Martin. Structure of quantum and classical implementations of the Popescu-Rohrlich box. In PHYSICAL REVIEW A. ISSN 2469-9926, 2020, vol. 102, no. 4, 042208., Registrované v: WOS

9. [1.1] KARTHIK, H. S. - DEVI, A. R. Usha - TEJ, J. Prabhu - RAJAGOPAL, A. K. - SUDHA - NARAYANAN, A. N-term pairwise-correlation inequalities, steering, and joint measurability. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 95, no. 5, 052105., Registrované v: WOS

10. [1.1] KIUKAS, Jukka - BUDRONI, Costantino - UOLA, Roope - PELLONPAA, Juha-Pekka. Continuous-variable steering and incompatibility via state-channel duality. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 96, no. 4, 042331., Registrované v: WOS

11. [1.1] MARTINS, E. - SAVI, M. F. - ANGELO, R. M. Quantum incompatibility of a physical context. In PHYSICAL REVIEW A. ISSN 2469-9926, 2020, vol. 102, no. 5, 050201., Registrované v: WOS

12. [1.1] QUINTINO, Marco Tulio - BOWLES, Joseph - HIRSCH, Flavien - BRUNNER, Nicolas. Incompatible quantum measurements admitting a local-hidden-variable model. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 93, no. 5, 052115., Registrované v: WOS

13. [1.1] SIUDZINSKA, Katarzyna - LUOMA, Kimmo - STRUNZ, Walter T. Geometry on the manifold of Gaussian quantum channels. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 6, 062308., Registrované v: WOS

14. [1.1] STYLIARIS, Georgios - ZANARDI, Paolo. Quantifying the Incompatibility of Quantum Measurements Relative to a Basis. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 123, no. 7, 070401., Registrované v: WOS

15. [1.1] SUN, Bao-Zhi - WANG, Zhi-Xi - LI-JOST, Xianqing - FEI, Shao-Ming. A Note on the Hierarchy of Quantum Measurement Incompatibilities. In ENTROPY, 2020, vol. 22, no. 2, 161., Registrované v: WOS

16. [1.1] UOLA, Roope - KRAFT, Tristan - ABBOTT, Alastair A. Quantification of quantum dynamics with input-output games. In PHYSICAL REVIEW A. ISSN 2469-9926, 2020, vol. 101, no. 5, 052306., Registrované v: WOS

17. [1.1] WATANABE, Daigo - NARIKIYO, Osamu. Entropic Approach to Error-Disturbance Tradeoff in Quantum Measurements. In JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN. ISSN 0031-9015, 2017, vol. 86, no. 9, 095001., Registrované v: WOS

18. [1.1] WU, Xiaohua - ZHOU, Tao. Diagnosing steerability of a bipartite state with the nonsteering threshold. In PHYSICAL REVIEW A. ISSN 1050-2947, 2020, vol. 102, no. 1, 012202., Registrované v: WOS

ADCA412 HEINOSAARI, T. - SCHULTZ, J. - TOIGO, A. - ZIMAN, Mário. Maximally incompatible quantum observables. In *Physics Letters A*, 2014, vol. 378, no. 24-25, p. 1695-1699. (2013: 1.626 - IF, Q2 - JCR, 0.631 - SJR, Q2 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 0375-9601. Dostupné na: <https://doi.org/10.1016/j.physleta.2014.04.026>

Ohlasy:

1. [1.1] ANWER, Hammad - NAWAREG, Mohamed - CABELLO, Adan - BOURENNANE, Mohamed. Experimental test of maximal tripartite nonlocality using an entangled state and local measurements that are maximally incompatible. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 2, 022104., Registrované v: WOS
2. [1.1] BARCHIELLI, Alberto - GREGORATTI, Matteo. Entropic measurement uncertainty relations for all the infinite components of a spin vector. In JOURNAL OF PHYSICS COMMUNICATIONS. ISSN 2399-6528, 2020, vol. 4, no. 5, 055003., Registrované v: WOS
3. [1.1] BAVARESCO, Jessica - QUINTINO, Marco Tulio - GUERINI, Leonardo - MACIEL, Thiago O. - CAVALCANTI, Daniel - CUNHA, Marcelo Terra. Most incompatible measurements for robust steering tests. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 96, no. 2, 022110., Registrované v: WOS
4. [1.1] BLUHM, Andreas - NECHITA, Ion. Joint measurability of quantum effects and the matrix diamond. In JOURNAL OF MATHEMATICAL PHYSICS. ISSN 0022-2488, 2018, vol. 59, no. 11, 112202., Registrované v: WOS
5. [1.1] CARMELI, Claudio - CASSINELLI, Gianni - TOIGO, Alessandro. Constructing Extremal Compatible Quantum Observables by Means of Two Mutually Unbiased Bases. In FOUNDATIONS OF PHYSICS. ISSN 0015-9018, 2019, vol. 49, no. 6, pp. 532-548., Registrované v: WOS
6. [1.1] DESIGNOLLE, Sebastien - FARKAS, Mate - KANIEWSKI, Jędrzej. Incompatibility robustness of quantum measurements: a unified framework. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2019, vol. 21, no. 11, 113053., Registrované v: WOS
7. [1.1] HAAPASALO, Erkka. Robustness of incompatibility for quantum devices. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2015, vol. 48, no. 25, 255303., Registrované v: WOS
8. [1.1] HSU, Li-Yi. Exploring the joint measurability using an information-theoretic approach. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2016, vol. 15, no. 12, pp. 5167-5177., Registrované v: WOS
9. [1.1] JAE, Jeongwoo - BAEK, Kyunghyun - RYU, Junghee - LEE, Jinhyoung. Necessary and sufficient condition for joint measurability. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 3, 032113., Registrované v: WOS
10. [1.1] JENCOVA, Anna - PLAVALA, Martin. Conditions on the existence of maximally incompatible two-outcome measurements in general probabilistic theory. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 96, no. 2, 022113., Registrované v: WOS
11. [1.1] JENCOVA, Anna. Incompatible measurements in a class of general probabilistic theories. In PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 98, no. 1, 012133., Registrované v: WOS
12. [1.1] KECHRIMPARIS, Spiros - WEIGERT, Stefan. Geometry of uncertainty relations for linear combinations of position and momentum. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2018, vol. 51, no. 2, 025303., Registrované v: WOS

13. [1.1] KIUKAS, Jukka - LAHTI, Pekka - PELLONPAA, Juha-Pekka - YLINEN, Kari. Complementary Observables in Quantum Mechanics. In FOUNDATIONS OF PHYSICS. ISSN 0015-9018, 2019, vol. 49, no. 6, pp. 506-531., Registrované v: WOS
14. [1.1] PLAVALA, Martin. Conditions for the compatibility of channels in general probabilistic theory and their connection to steering and Bell nonlocality. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 96, no. 5, 052127., Registrované v: WOS
15. [1.1] SHI, Weixu - TANG, Chaojing. Number of quantum measurement outcomes as a resource. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2020, vol. 19, no. 11, 393., Registrované v: WOS

ADCA413 HEINOSAARI, T. - KIUKAS, J. - REITZNER, Daniel. Noise robustness of the incompatibility of quantum measurements. In *Physical Review A*, 2015, vol. 92, no. 2, 022115. (2014: 2.808 - IF, Q1 - JCR, 2.201 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.92.022115>

Ohlasy:

1. [1.1] ANWER, Hammad - NAWAREG, Mohamed - CABELLO, Adan - BOURENNANE, Mohamed. Experimental test of maximal tripartite nonlocality using an entangled state and local measurements that are maximally incompatible. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 2, 022104., Registrované v: WOS
2. [1.1] BARCHIELLI, Alberto - GREGORATTI, Matteo. Entropic measurement uncertainty relations for all the infinite components of a spin vector. In JOURNAL OF PHYSICS COMMUNICATIONS. ISSN 2399-6528, 2020, vol. 4, no. 5, 055003., Registrované v: WOS
3. [1.1] BLUHM, Andreas - NECHITA, Ion. Joint measurability of quantum effects and the matrix diamond. In JOURNAL OF MATHEMATICAL PHYSICS. ISSN 0022-2488, 2018, vol. 59, no. 11, 112202., Registrované v: WOS
4. [1.1] BLUHM, Andreas - NECHITA, Ion. Compatibility of Quantum Measurements and Inclusion Constants for the Matrix Jewel. In SIAM JOURNAL ON APPLIED ALGEBRA AND GEOMETRY. ISSN 2470-6566, 2020, vol. 4, no. 2, pp. 255-296., Registrované v: WOS
5. [1.1] BOWLES, Joseph - HIRSCH, Flavien - QUINTINO, Marco Tulio - BRUNNER, Nicolas. Sufficient criterion for guaranteeing that a two-qubit state is unsteerable. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 93, no. 2, 022121., Registrované v: WOS
6. [1.1] BUSCEMI, Francesco - CHITAMBAR, Eric - ZHOU, Wenbin. Complete Resource Theory of Quantum Incompatibility as Quantum Programmability. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2020, vol. 124, no. 12, 120401., Registrované v: WOS
7. [1.1] CARMELI, Claudio - CASSINELLI, Gianni - TOIGO, Alessandro. Constructing Extremal Compatible Quantum Observables by Means of Two Mutually Unbiased Bases. In FOUNDATIONS OF PHYSICS. ISSN 0015-9018, 2019, vol. 49, no. 6, pp. 532-548., Registrované v: WOS
8. [1.1] DESIGNOLLE, Sebastien - FARKAS, Mate - KANIEWSKI, Jędrzej. Incompatibility robustness of quantum measurements: a unified

- framework. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2019, vol. 21, no. 11, 113053., Registrované v: WOS
9. [1.1] DESIGNOLLE, Sebastien - SKRZYPCZYK, Paul - FROEWIS, Florian - BRUNNER, Nicolas. Quantifying Measurement Incompatibility of Mutually Unbiased Bases. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 122, no. 5, 050402., Registrované v: WOS
10. [1.1] FARKAS, Mate - KANIEWSKI, Jędrzej. Self-testing mutually unbiased bases in the prepare-and-measure scenario. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 99, no. 3, 032316., Registrované v: WOS
11. [1.1] GUERINI, Leonardo - BAVARESCO, Jessica - CUNHA, Marcelo Terra - ACIN, Antonio. Operational framework for quantum measurement simulability. In JOURNAL OF MATHEMATICAL PHYSICS. ISSN 0022-2488, 2017, vol. 58, no. 9, 092102., Registrované v: WOS
12. [1.1] LOPEZ-ROSA, Sheila - XU, Zhen-Peng - CABELLO, Adan. Maximum nonlocality in the (3,2,2) scenario. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 94, no. 6, 062121., Registrované v: WOS
13. [1.1] MARTINS, E. - SAVI, M. F. - ANGELO, R. M. Quantum incompatibility of a physical context. In PHYSICAL REVIEW A. ISSN 2469-9926, 2020, vol. 102, no. 5, 050201., Registrované v: WOS
14. [1.1] OSZMANIEC, Michał - GUERINI, Leonardo - WITTEK, Peter - ACIN, Antonio. Simulating Positive-Operator-Valued Measures with Projective Measurements. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2017, vol. 119, no. 19, 190501., Registrované v: WOS
15. [1.1] OSZMANIEC, Michał - BISWAS, Tanmoy. Operational relevance of resource theories of quantum measurements. In QUANTUM. ISSN 2521-327X, 2019, vol. 3., Registrované v: WOS
16. [1.1] PLAVALA, Martin. All measurements in a probabilistic theory are compatible if and only if the state space is a simplex. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 94, no. 4, 042108., Registrované v: WOS
17. [1.1] PLAVALA, Martin. Conditions for the compatibility of channels in general probabilistic theory and their connection to steering and Bell nonlocality. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 96, no. 5, 052127., Registrované v: WOS
18. [1.1] PLESCH, Martin - PIVOLUSKA, Matej. Loss of information in quantum guessing game. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2018, vol. 20, 023018., Registrované v: WOS
19. [1.1] QUINTINO, Marco Tulio - BUDRONI, Costantino - WOODHEAD, Erik - CABELLO, Adan - CAVALCANTI, Daniel. Device-Independent Tests of Structures of Measurement Incompatibility. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 123, no. 18, 180401., Registrované v: WOS
20. [1.1] STYLIARIS, Georgios - ZANARDI, Paolo. Quantifying the Incompatibility of Quantum Measurements Relative to a Basis. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 123, no. 7, 070401., Registrované v: WOS
21. [1.1] SUN, Bao-Zhi - WANG, Zhi-Xi - LI-JOST, Xianqing - FEI, Shao-Ming. A Note on the Hierarchy of Quantum Measurement Incompatibilities. In ENTROPY, 2020, vol. 22, no. 2, 161., Registrované v: WOS
22. [1.1] SUPIC, Ivan - BOWLES, Joseph. Self-testing of quantum

systems: a review. In QUANTUM. ISSN 2521-327X, 2020, vol. 4., Registrované v: WOS

23. [1.1] TAKAGI, Ryuji - REGULA, Bartosz. General Resource Theories in Quantum Mechanics and Beyond: Operational Characterization via Discrimination Tasks. In PHYSICAL REVIEW X. ISSN 2160-3308, 2019, vol. 9, no. 3, 031053., Registrované v: WOS

ADCA414 HEINOSAARI, T. - REITZNER, Daniel - STAŇO, Peter. Notes on joint measurability of quantum observables. In *Foundations of Physics*, 2008, vol. 38, no. 12, p. 1133-1147. (2007: 0.951 - IF, Q3 - JCR, 0.622 - SJR, Q2 - SJR, Current Contents - CCC). (2008 - Current Contents). ISSN 0015-9018. Dostupné na: <https://doi.org/10.1007/s10701-008-9256-7>

Ohlasy:

1. [1.1] ANDERSSON, Andreas. Electromagnetism in terms of quantum measurements. In JOURNAL OF MATHEMATICAL PHYSICS. ISSN 0022-2488, 2016, vol. 57, no. 12, 122104., Registrované v: WOS

2. [1.1] ANDREJIC, Nikola - KUNJWAL, Ravi. Joint measurability structures realizable with qubit measurements: Incompatibility via marginal surgery. In PHYSICAL REVIEW RESEARCH, 2020, vol. 2, no. 4, 043147., Registrované v: WOS

3. [1.1] BAEK, Kyunghyun - SON, Wonmin. Unsharpness of generalized measurement and its effects in entropic uncertainty relations. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2016, vol. 6, 30228., Registrované v: WOS

4. [1.1] BAVARESCO, Jessica - QUINTINO, Marco Tulio - GUERINI, Leonardo - MACIEL, Thiago O. - CAVALCANTI, Daniel - CUNHA, Marcelo Terra. Most incompatible measurements for robust steering tests. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 96, no. 2, 022110., Registrované v: WOS

5. [1.1] BENEDUCI, Roberto. JOINT MEASURABILITY THROUGH NAIMARK'S DILATION THEOREM. In REPORTS ON MATHEMATICAL PHYSICS. ISSN 0034-4877, 2017, vol. 79, no. 2, pp. 197-214., Registrované v: WOS

6. [1.1] BENE, Erika - VERTESI, Tamas. Measurement incompatibility does not give rise to Bell violation in general. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2018, vol. 20, 013021., Registrované v: WOS

7. [1.1] BUSCEMI, Francesco - CHITAMBAR, Eric - ZHOU, Wenbin. Complete Resource Theory of Quantum Incompatibility as Quantum Programmability. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2020, vol. 124, no. 12, 120401., Registrované v: WOS

8. [1.1] DESIGNOLLE, Sebastien - FARKAS, Mate - KANIEWSKI, Jędrzej. Incompatibility robustness of quantum measurements: a unified framework. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2019, vol. 21, no. 11, 113053., Registrované v: WOS

9. [1.1] GONDA, Tomas - KUNJWAL, Ravi - SCHMID, David - WOLFE, Elie - SAINZ, Ana Belen. Almost Quantum Correlations are Inconsistent with Specker's Principle. In QUANTUM. ISSN 2521-327X, 2018, vol. 2., Registrované v: WOS

10. [1.1] GUDDER, Stan. COMPATIBILITY FOR PROBABILISTIC THEORIES. In MATHEMATICA SLOVACA. ISSN 0139-9918, 2016, vol. 66,

no. 2, pp. 449-458., Registrované v: WOS

11. [1.1] GUERINI, Leonardo - BAVARESCO, Jessica - CUNHA, Marcelo Terra - ACIN, Antonio. Operational framework for quantum measurement simulability. In JOURNAL OF MATHEMATICAL PHYSICS. ISSN 0022-2488, 2017, vol. 58, no. 9, 092102., Registrované v: WOS

12. [1.1] GUERINI, Leonardo - CUNHA, Marcelo Terra. Uniqueness of the joint measurement and the structure of the set of compatible quantum measurements. In JOURNAL OF MATHEMATICAL PHYSICS. ISSN 0022-2488, 2018, vol. 59, no. 4, 042106., Registrované v: WOS

13. [1.1] GUERINI, Leonardo - QUINTINO, Marco Tulio - AOLITA, Leandro. Distributed sampling, quantum communication witnesses, and measurement incompatibility. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 4, 042308., Registrované v: WOS

14. [1.1] HAAPASALO, Erkki. Compatibility of Covariant Quantum Channels with Emphasis on Weyl Symmetry. In ANNALES HENRI POINCARÉ. ISSN 1424-0637, 2019, vol. 20, no. 9, pp. 3163-3195., Registrované v: WOS

15. [1.1] HALL, Michael J. W. - RIVAS, Angel. Geometry of joint reality: Device-independent steering and operational completeness. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 6, 062105., Registrované v: WOS

16. [1.1] HIRSCH, Flavien - QUINTINO, Marco Tulio - BRUNNER, Nicolas. Quantum measurement incompatibility does not imply Bell nonlocality. In PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 97, no. 1, 012129., Registrované v: WOS

17. [1.1] HOFMANN, Holger F. Local measurement uncertainties impose a limit on nonlocal quantum correlations. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 1, 012123., Registrované v: WOS

18. [1.1] CHITAMBAR, Eric - GOUR, Gilad. Quantum resource theories. In REVIEWS OF MODERN PHYSICS. ISSN 0034-6861, 2019, vol. 91, no. 2, 025001., Registrované v: WOS

19. [1.1] JEBARATNAM, C. Detecting genuine multipartite entanglement in steering scenarios. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 93, no. 5, 052311., Registrované v: WOS

20. [1.1] KARTHIK, H. S. - DEVI, A. R. Usha - TEJ, J. Prabhu - RAJAGOPAL, A. K. - SUDHA - NARAYANAN, A. N-term pairwise-correlation inequalities, steering, and joint measurability. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 95, no. 5, 052105., Registrované v: WOS

21. [1.1] KAR, Guruprasad - BANIK, Manik. Several foundational and information theoretic implications of Bell's theorem. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION. ISSN 0219-7499, 2016, vol. 14, no. 6, 1640027., Registrované v: WOS

22. [1.1] KUNJWAL, Ravi. Beyond the Cabello-Severini-Winter framework: Making sense of contextuality without sharpness of measurements. In QUANTUM. ISSN 2521-327X, 2019, vol. 3., Registrované v: WOS

23. [1.1] LIANG, Yeong-Cherng - SPEKKENS, Robert W. - WISEMAN, Howard M. Specker's parable of the over-protective seer: A road to contextuality, nonlocality and complementarity (vol 506, pg 1, 2011). In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573,

- 2017, vol. 666, pp. 110-111., Registrované v: WOS
24. [1.1] MARTINS, E. - SAVI, M. F. - ANGELO, R. M. Quantum incompatibility of a physical context. In PHYSICAL REVIEW A. ISSN 2469-9926, 2020, vol. 102, no. 5, 050201., Registrované v: WOS
25. [1.1] PLAVALA, Martin. Conditions for the compatibility of channels in general probabilistic theory and their connection to steering and Bell nonlocality. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 96, no. 5, 052127., Registrované v: WOS
26. [1.1] QUINTINO, Marco Tulio - BOWLES, Joseph - HIRSCH, Flavien - BRUNNER, Nicolas. Incompatible quantum measurements admitting a local-hidden-variable model. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 93, no. 5, 052115., Registrované v: WOS
27. [1.1] QUINTINO, Marco Tulio - BUDRONI, Costantino - WOODHEAD, Erik - CABELLO, Adan - CAVALCANTI, Daniel. Device-Independent Tests of Structures of Measurement Incompatibility. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 123, no. 18, 180401., Registrované v: WOS
28. [1.1] SAHA, Debashis - OSZMANIEC, Michal - CZEKAJ, Lukasz - HORODECKI, Michal - HORODECKI, Ryszard. Operational foundations for complementarity and uncertainty relations. In PHYSICAL REVIEW A. ISSN 1050-2947, 2020, vol. 101, no. 5, 052104., Registrované v: WOS
29. [1.1] UOLA, Roope - VITAGLIANO, Giuseppe - BUDRONI, Costantino. Leggett-Garg macrorealism and the quantum nondisturbance conditions. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 4, 042117., Registrované v: WOS
30. [1.1] XU, Zhen-Peng - CABELLO, Man. Necessary and sufficient condition for contextuality from incompatibility. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 99, no. 2, 020103., Registrované v: WOS
31. [1.1] ZHAO, Yuan-Yuan - KURZYNSKI, Pawel - XIANG, Guo-Yong - LI, Chuan-Feng - GUO, Guang-Can. Heisenberg's error-disturbance relations: A joint measurement-based experimental test. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 95, no. 4, 040101., Registrované v: WOS
32. [1.1] ZHEN, Yi-Zheng - XU, Xin-Yu - LI, Li - LIU, Nai-Le - CHEN, Kai. The Einstein-Podolsky-Rosen Steering and Its Certification. In ENTROPY, 2019, vol. 21, no. 4, 422., Registrované v: WOS

ADCA415 HEINOSAARI, T. - MIYADERA, T. - REITZNER, Daniel. Strongly incompatible quantum devices. In *Foundations of Physics*, 2014, vol. 44, no. 1, p. 34-57. (2013: 1.144 - IF, Q3 - JCR, 0.817 - SJR, Q2 - SJR, Current Contents - CCC). (2014 - Current Contents). ISSN 0015-9018. Dostupné na: <https://doi.org/10.1007/s10701-013-9761-1>

Ohlasy:

1. [1.1] KIUKAS, Jukka - BURGARTH, Daniel. Quantum resource control for noisy Einstein-Podolsky-Rosen steering with qubit measurements. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 93, no. 3, 032107., Registrované v: WOS
2. [1.1] PLESCH, Martin - PIVOLUSKA, Matej. Loss of information in quantum guessing game. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2018, vol. 20, 023018., Registrované v: WOS
3. [1.1] TUKIAINEN, Mikko. Wigner-Araki-Yanase theorem beyond

conservation laws. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 95, no. 1, 012127., Registrované v: WOS

4. [1.1] UOLA, Roope - KRAFT, Tristan - ABBOTT, Alastair A. Quantification of quantum dynamics with input-output games. In PHYSICAL REVIEW A. ISSN 2469-9926, 2020, vol. 101, no. 5, 052306., Registrované v: WOS

5. [1.1] UOLA, Roope - LEVER, Fabiano - GUEHNE, Otfried - PELLONPAA, Juha-Pekka. Unified picture for spatial, temporal, and channel steering. In PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 97, no. 3, 032301., Registrované v: WOS

ADCA416 HENDRYCH, A. - ŽIVOTSKÝ, O. - JIRÁSKOVÁ, Y. - MAŤKO, Igor. The surface and bulk magnetic properties of Fe-Al alloys. In *Acta Physica Polonica A*, 2014, vol. 126, no. 1, p. 58-59. (2013: 0.604 - IF, Q4 - JCR, 0.345 - SJR, Q3 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1898-794X. Dostupné na: <https://doi.org/10.12693/APhysPolA.126.58>

Ohlasy:

1. [1.1] KERKACHE, L. - LAYADI, A. - HEMMOUS, M. - GUITTOUM, A. - MEBARKI, M. - TIERCELIN, N. - KLIMOV, A. - PREOBRAZHENSKY, V - PERNOD, P. MOKE Magnetometer Studies of Evaporated Ni and Ni/Cu Thin Films onto Different Substrates. In SPIN. ISSN 2010-3247, 2019, vol. 9, no. 1, 1950006., Registrované v: WOS

ADCA417 HENLEY, C.L. - MIHALKOVIČ, Marek - WIDOM, M. Total-energy-based structure prediction for d(AlNiCo). In *Journal of Alloys and Compounds*, 2002, vol. 342, no. 1-2, p. 221- 227. (2001: 0.953 - IF, Current Contents - CCC). (2002 - Current Contents, WOS, SCOPUS). Dostupné na: [https://doi.org/10.1016/S0925-8388\(02\)00199-8](https://doi.org/10.1016/S0925-8388(02)00199-8)

Ohlasy:

1. [1.1] HAN, Insung - XIAO, Xianghui - SUN, Haiping - SHAHANI, Ashwin J. A side-by-side comparison of the solidification dynamics of quasicrystalline and approximant phases in the Al-Co-Ni system. In ACTA CRYSTALLOGRAPHICA A-FOUNDATION AND ADVANCES. ISSN 2053-2733, 2019, vol. 75, pp. 281-296., Registrované v: WOS

ADCA418 HEO, Do Yeon - LEE, Tae Hyung - IWAN, Agnieszka - KAVAN, Ladislav - OMASTOVÁ, Mária - MAJKOVÁ, Eva - KAMARÁS, Katalin - JANG, Ho Won** - KIM, Soo Young**. Effect of lead thiocyanate ions on performance of tin-based perovskite solar cells. In *Journal of Power Sources*, 2020, vol. 458, art.no. 228067, [8] p. (2019: 8.247 - IF, Q1 - JCR, 2.111 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 0378-7753. Dostupné na: <https://doi.org/10.1016/j.jpowsour.2020.228067>

Ohlasy:

1. [1.1] CUI XING-HUA - XU QIAO-JING - SHI BIAO - HOU FU-HUA - ZHAO YING - ZHANG XIAO-DAN. Research progress of wide bandgap perovskite materials and solar cells. In ACTA PHYSICA SINICA. ISSN 1000-3290, 2020, vol. 69, no. 20, 207401., Registrované v: WOS

ADCA419 HERMAN, M. - MARCINKOWSKI, A. - BIELEWICZ, J. - OBLOŽINSKÝ, Pavol. CROSS-SECTIONS FOR (N,P) AND (N,N') REACTIONS ON PD, CD

AND OS. In *Nuclear Physics A*, 1978, vol. 297, no. 2, p. 335-346. ISSN 0375-9474.
Dostupné na: [https://doi.org/10.1016/0375-9474\(78\)90280-4](https://doi.org/10.1016/0375-9474(78)90280-4)

Ohlasy:

1. [1.1] SINGH, Balraj - CHEN, Jun. Nuclear Data Sheets for A=190*. In *NUCLEAR DATA SHEETS*. ISSN 0090-3752, 2020, vol. 169, pp. 1-390., Registrované v: WOS
2. [1.1] TOHAMY, M. - AHMED, G. S. M. - COMSAN, M. N. H. Formation and de-excitation of (111m)Cd using natural cadmium and Am-Be neutron source. In *INDIAN JOURNAL OF PHYSICS*. ISSN 0973-1458, 2020., Registrované v: WOS
3. [1.1] YIGIT, Mustafa - BOSTAN, Sumeyye Nur. Study on cross section calculations for (n,p) nuclear reactions of cadmium isotopes. In *APPLIED RADIATION AND ISOTOPES*. ISSN 0969-8043, 2019, vol. 154, UNSP 108868., Registrované v: WOS
4. [1.1] YIGIT, Mustafa. A review of (n,p) and (n,alpha) nuclear cross sections on palladium nuclei using different level density models and empirical formulas. In *APPLIED RADIATION AND ISOTOPES*. ISSN 0969-8043, 2018, vol. 140, pp. 355-362., Registrované v: WOS

ADCA420 HILLERY, M. - ZIMAN, Mário - BUŽEK, Vladimír. Approximate programmable quantum processors. In *Physical Review A*, 2006, vol. 73, no. 2, 022345. (2005: 2.997 - IF, Q1 - JCR, 1.394 - SJR, Q1 - SJR, Current Contents - CCC). (2006 - Current Contents, SCOPUS). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.73.022345>

Ohlasy:

1. [1.1] HEINOSAARI, Teiko - TUKIAINEN, Mikko. Notes on deterministic programming of quantum observables and channels. In *QUANTUM INFORMATION PROCESSING*. ISSN 1570-0755, 2015, vol. 14, no. 8, pp. 3097., Registrované v: WOS
2. [1.1] SACCHI, Massimiliano F. - SACCHI, Tito. Convex approximations of quantum channels. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2017, vol. 96, no. 3, 032311., Registrované v: WOS
3. [1.1] TUKIAINEN, Mikko - LYYRA, Henri - SARBICKI, Gniewomir - MANISCALCO, Sabrina. Fidelity of dynamical maps. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2017, vol. 95, no. 5, 052102., Registrované v: WOS

ADCA421 HILLERY, M. - BUŽEK, Vladimír - ZIMAN, Mário. Dynamics of open quantum systems initially entangled with environment: Beyond the Kraus representation. In *Physical Review A*, 2001, vol. 64, no. 6, 062106. (2000: 2.684 - IF). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.64.062106>

Ohlasy:

1. [1.1] ALIPOUR, S. - TUOHINO, S. - REZAKHANI, A. T. - ALA-NISSILA, T. Unreliability of mutual information as a measure for variations in total correlations. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2020, vol. 101, no. 4, 042311., Registrované v: WOS
2. [1.1] BAN, Masashi. Decoherence of a two-qubit system interacting with initially correlated random telegraph noises. In *QUANTUM INFORMATION PROCESSING*. ISSN 1570-0755, 2020, vol. 19, no. 2, 46., Registrované v: WOS

3. [1.1] BARANDES, Jacob A. - KAGAN, David. Measurement and Quantum Dynamics in the Minimal Modal Interpretation of Quantum Theory. In FOUNDATIONS OF PHYSICS. ISSN 0015-9018, 2020, vol. 50, no. 10, pp. 1189-1218., Registrované v: WOS
4. [1.1] GIRALDI, Filippo. Evolution of quantum coherence induced by band gaps and initial-state preparation measurements. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION. ISSN 0219-7499, 2020, vol. 18, no. 1, 1941018., Registrované v: WOS
5. [1.1] HOMA, G. - CSORDAS, A. - CSIRIK, M. A. - BERNAD, J. Z. Range of applicability of the Hu-Paz-Zhang master equation. In PHYSICAL REVIEW A. ISSN 2469-9926, 2020, vol. 102, no. 2, 022206., Registrované v: WOS
6. [1.1] SARGOLZAH, Iman. Necessary and sufficient condition for the reduced dynamics of an open quantum system interacting with an environment to be linear. In PHYSICAL REVIEW A. ISSN 2469-9926, 2020, vol. 102, no. 2, 022208., Registrované v: WOS
7. [1.1] USUI, Risako - BAN, Masashi. Temporal nonlocality of a two-level system interacting with a dephasing environment. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2020, vol. 19, no. 5, 159., Registrované v: WOS

ADCA422 HILLERY, M. - BUŽEK, Vladimír - ZIMAN, Mário. Equivalent programmable quantum processors. In *Optics Communications*, 2010, vol. 283, no. 5, p. 822-826. (2009: 1.316 - IF, Q2 - JCR, 1.014 - SJR, Q1 - SJR, Current Contents - CCC). (2010 - Current Contents). ISSN 0030-4018. Dostupné na: <https://doi.org/10.1016/j.optcom.2009.10.082>

Ohlasy:

1. [1.1] TUKIAINEN, Mikko. Wigner-Araki-Yanase theorem beyond conservation laws. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 95, no. 1, 012127., Registrované v: WOS

ADCA423 HILLERY, M. - ZIMAN, Mário - BUŽEK, Vladimír. Implementation of quantum maps by programmable quantum processors. In *Physical Review A*, 2002, vol. 66, no. 4, p. 042302. ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.66.042302>

Ohlasy:

1. [1.1] DESCHAMPS, Julien - NECHITA, Ion - PELLEGRINI, Clement. On some classes of bipartite unitary operators. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2016, vol. 49, no. 33, 335301., Registrované v: WOS
2. [1.1] JAFARIZADEH, M. A. - MAHMOUDI, P. - AKHGAR, D. - FAIZI, E. Designing an optimal, universal, programmable, and unambiguous discriminator for N unknown qubits. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 96, no. 5, 052111., Registrované v: WOS
3. [1.1] KANG, Peng - ZHANG, Ming. How to Make Full Use of a Priori Knowledge of Quantum Information Processing. In PROCEEDINGS OF THE 2016 12TH WORLD CONGRESS ON INTELLIGENT CONTROL AND AUTOMATION (WCICA), 2016, pp. 3016-3020., Registrované v: WOS
4. [1.1] MAHDIAN, Mahmoud - YEGANEH, H. Davoodi. Incoherent quantum algorithm dynamics of an open system with near-term devices. In

QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2020, vol. 19, no. 9, 285., Registrované v: WOS

5. [1.1] MAHDIAN, M. - YEGANEH, H. Davoodi - DEGHANI, A. Quantum simulation dynamics and circuit synthesis of FMO complex on an NMR quantum computer. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION. ISSN 0219-7499, 2020, vol. 18, no. 6, 2050034., Registrované v: WOS

6. [1.1] MAHDIAN, M. - YEGANEH, H. Davoodi. Quantum Simulation of FMO Complex Using One-Parameter Semigroup of Generators. In BRAZILIAN JOURNAL OF PHYSICS. ISSN 0103-9733, 2020, vol. 50, no. 6, pp. 807-813., Registrované v: WOS

7. [1.1] SWEKE, Ryan - SINAYSKIY, Ilya - BERNARD, Denis - PETRUCCIONE, Francesco. Universal simulation of Markovian open quantum systems. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 91, no. 6, 062308., Registrované v: WOS

8. [1.1] TUKIAINEN, Mikko - LYYRA, Henri - SARBICKI, Gniewomir - MANISCALCO, Sabrina. Fidelity of dynamical maps. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 95, no. 5, 052102., Registrované v: WOS

ADCA424 HILLERY, M. - BUŽEK, Vladimír - ZIMAN, Mário. Probabilistic implementation of universal quantum processors. In *Physical Review A*, 2002, vol. 65, no. 2, p. 022301. ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.65.022301>

Ohlasy:

1. [1.1] KUBICKI, Aleksander M. - PALAZUELOS, Carlos - PEREZ-GARCIA, David. Resource Quantification for the No-Programming Theorem. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 122, no. 8, 080505., Registrované v: WOS

2. [1.1] KUZMAK, A. R. Geometry of quantum state manifolds generated by the Lie algebra operators. In JOURNAL OF GEOMETRY AND PHYSICS. ISSN 0393-0440, 2018, vol. 126, SI, pp. 1-6., Registrované v: WOS

3. [1.1] KUZMAK, A. R. - TKACHUK, V. M. The quantum brachistochrone problem for an arbitrary spin in a magnetic field. In PHYSICS LETTERS A. ISSN 0375-9601, 2015, vol. 379, no. 18-19, pp. 1233., Registrované v: WOS

4. [1.1] LEMR, Karel - BARTKIEWICZ, Karol - CERNOCH, Antonin. Scheme for a linear-optical controlled-phase gate with programmable phase shift. In JOURNAL OF OPTICS. ISSN 2040-8978, 2015, vol. 17, no. 12, 125202., Registrované v: WOS

5. [1.1] MO, Yin - CHIRIBELLA, Giulio. Quantum-enhanced learning of rotations about an unknown direction. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2019, vol. 21, no. 11, 113003., Registrované v: WOS

6. [1.1] PEREZ-DELGADO, Carlos A. - FITZSIMONS, Joseph F. Iterated Gate Teleportation and Blind Quantum Computation. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 114, no. 22, 220502., Registrované v: WOS

7. [1.1] SUNIAN, XiaoBing - LI, Yuwei - ZHOU, Tao. Optimal programmable unambiguous discriminator between two unknown latitudinal states. In SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY. ISSN

1674-7348, 2016, vol. 59, no. 10, UNSP 100312., Registrované v: WOS
 8. [1.1] TUKIAINEN, Mikko - LYYRA, Henri - SARBICKI, Gniewomir - MANISCALCO, Sabrina. Fidelity of dynamical maps. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 95, no. 5, 052102., Registrované v: WOS
 9. [1.1] YANG, Yuxiang - RENNER, Renato - CHIRIBELLA, Giulio. Optimal Universal Programming of Unitary Gates. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2020, vol. 125, no. 21, 210501., Registrované v: WOS

ADCA425 HILLERY, M. - BUŽEK, Vladimír - ZIMAN, Mário. Programmable quantum gate arrays. In *Fortschritte der Physik*, 2001, vol. 49, p. 987-992. ISSN 0015-8208. Dostupné na: [https://doi.org/10.1002/1521-3978\(200110\)49:10/11<987::AID-PROP987>3.0.CO;2-S](https://doi.org/10.1002/1521-3978(200110)49:10/11<987::AID-PROP987>3.0.CO;2-S)

Ohlasy:

1. [1.1] HEINOSAARI, Teiko - TUKIAINEN, Mikko. Notes on deterministic programming of quantum observables and channels. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2015, vol. 14, no. 8, pp. 3097., Registrované v: WOS
2. [1.1] YANG, Yuxiang - RENNER, Renato - CHIRIBELLA, Giulio. Optimal Universal Programming of Unitary Gates. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2020, vol. 125, no. 21, 210501., Registrované v: WOS

ADCA426 HILLERY, M. - MLODINOW, L. - BUŽEK, Vladimír. Quantum interference with molecules: The role of internal states. In *Physical Review A*, 2005, vol. 71, no. 6, 062103. ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.71.062103>

Ohlasy:

1. [1.1] BRUN, Todd A. - MLODINOW, Leonard. Decoherence by coupling to internal vibrational modes. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 94, no. 5, 052123., Registrované v: WOS
2. [1.1] DOMOTOR, Piroška - BENEDICT, Mihaly G. Scattering of a classical rotating object by a screen with a slit. In PHYSICA SCRIPTA. ISSN 0031-8949, 2019, vol. 94, no. 2, 024002., Registrované v: WOS

ADCA427 HILLERY, M. - BUŽEK, Vladimír. Quantum machines. Vladimír Bužek. In *Contemporary Physics*, 2009, vol. 50, no. 5, p. 575-586. ISSN 0010-7514. Dostupné na: <https://doi.org/10.1080/00107510902924786>

Ohlasy:

1. [1.1] GLASER, Steffen J. - BOSCAIN, Ugo - CALARCO, Tommaso - KOCH, Christiane P. - KOECKENBERGER, Walter - KOSLOFF, Ronnie - KUPROV, Ilya - LUY, Burkhard - SCHIRMER, Sophie - SCHULTE-HERBRUEGGEN, Thomas - SUGNY, Dominique - WILHELM, Frank K. Training Schrödinger's cat: quantum optimal control Strategic report on current status, visions and goals for research in Europe. In EUROPEAN PHYSICAL JOURNAL D. ISSN 1434-6060, 2015, vol. 69, no. 12, 279., Registrované v: WOS

ADCA428 HILLERY, M. - BUŽEK, Vladimír - BERTHIAUME, A. Quantum secret sharing. In *Physical Review A*, 1999, vol. 59, no. 3, p. 1829-1834. ISSN 1050-2947.

Ohlasy:

1. [1.1] ABD-EL-ATTY, Bassem - VENEGAS-ANDRACA, Salvador E. - ABD EL-LATIF, Ahmed A. Quantum Information Protocols for Cryptography. In *QUANTUM COMPUTING: AN ENVIRONMENT FOR INTELLIGENT LARGE SCALE REAL APPLICATION*. ISSN 2197-6503, 2018, vol. 33, pp. 3-23., Registrované v: WOS
2. [1.1] ABO-KAHLA, Doaa Abo M. - FAROUK, Ahmed. Entanglement and Entropy of a Three-Qubit System Interacting with a Quantum Spin Environment. In *APPLIED SCIENCES-BASEL*, 2019, vol. 9, no. 23, 5222., Registrované v: WOS
3. [1.1] ABULKASIM, Hussein - HAMAD, Safwat - KHALIFA, Amal - EL BAHNASY, Khalid. Quantum secret sharing with identity authentication based on Bell states. In *INTERNATIONAL JOURNAL OF QUANTUM INFORMATION*. ISSN 0219-7499, 2017, vol. 15, no. 4, 1750023., Registrované v: WOS
4. [1.1] ABULKASIM, Hussein - FAROUK, Ahmed - ALSUSIAIH, Hanan - HAMDAN, Walaa - HAMAD, Safwat - GHOSE, S. Improving the security of quantum key agreement protocols with single photon in both polarization and spatial-mode degrees of freedom. In *QUANTUM INFORMATION PROCESSING*. ISSN 1570-0755, 2018, vol. 17, no. 11, UNSP 316., Registrované v: WOS
5. [1.1] ABULKASIM, Hussein - FAROUK, Ahmed - HAMAD, Safwat - MASHATAN, Atefeh - GHOSE, Shohini. Secure dynamic multiparty quantum private comparison. In *SCIENTIFIC REPORTS*. ISSN 2045-2322, 2019, vol. 9, 17818., Registrované v: WOS
6. [1.1] ABULKASIM, Hussein - ALOTAIBI, Afraa. Improvement on 'Multiparty Quantum Key Agreement with Four-Qubit Symmetric W State'. In *INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS*. ISSN 0020-7748, 2019, vol. 58, no. 12, pp. 4235-4240., Registrované v: WOS
7. [1.1] ADHIKARI, Satyabrata. Structural physical approximation for the realization of the optimal singlet fraction with two measurements. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2018, vol. 97, no. 4, 042344., Registrované v: WOS
8. [1.1] AGNE, S. - KAUTEN, T. - JIN, J. - et al. Observation of Genuine Three-Photon Interference, In *PHYSICAL REVIEW LETTERS*, 2017, vol. 118, no. 15, 153602., Registrované v: WOS
9. [1.1] AGNE, S. - KAUTEN, T. - JIN, J. - et al. Observation of Genuine Three-Photon Interference, In *Conference on Lasers and Electro-Optics (CLEO)* Location: San Jose, CA Date: MAY 14-19, 2017 Sponsor(s): IEEE, 2017, *CONFERENCE ON LASERS AND ELECTRO-OPTICS (CLEO)*, Book Series: Conference on Lasers and Electro-Optics., Registrované v: WOS
10. [1.1] AGRAWAL, Sristy - HALDER, Saronath - BANIK, Manik. Genuinely entangled subspace with all-encompassing distillable entanglement across every bipartition. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2019, vol. 99, no. 3, 032335., Registrované v: WOS
11. [1.1] AHMADI, Mehdi - WU, Ya-Dong - SANDERS, Barry C. Relativistic (2,3)-threshold quantum secret sharing. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2017, vol. 96, no. 6., Registrované v: WOS

12. [1.1] ALEXANDER, Byron - BOLLINGER, John J. - UYS, Hermann. Generating Greenberger-Horne-Zeilinger states with squeezing and postselection. In PHYSICAL REVIEW A. ISSN 1050-2947, 2020, vol. 101, no. 6, 062303., Registrované v: WOS
13. [1.1] ALSHOWKAN, Muneer - ELLEITHY, Khaled. Quantum Mutual Authentication Scheme Based on Bell State Measurement. In 2016 IEEE LONG ISLAND SYSTEMS, APPLICATIONS AND TECHNOLOGY CONFERENCE (LISAT), 2016., Registrované v: WOS
14. [1.1] AMERIMEHR, Ali - DEHKORDI, Massoud Hadain. Impersonation attack on a quantum secure direct communication and authentication protocol with improvement. In APPLIED PHYSICS B-LASERS AND OPTICS. ISSN 0946-2171, 2018, vol. 124, no. 3, 44., Registrované v: WOS
15. [1.1] ANAGHA, M. - MOHAN, Aneena - MURUGANANDAN, Thigazholi - BEHERA, Bikash K. - PANIGRAHI, Prasanta K. A new scheme of quantum teleportation using highly entangled brown et al. state: an IBM quantum experience. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2020, vol. 19, no. 5, 147., Registrované v: WOS
16. [1.1] ANANTH, N. et al. Criteria for non-k-separability. In EUROPEAN PHYSICAL JOURNAL D, 2015, vol. 69, no. 2, 56., Registrované v: WOS
17. [1.1] ANANTH, N. - SENTHILVELAN, M. On the Non-k-Separability of Dicke Class of States and N-Qudit W States. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2016, vol. 55, no. 3, pp. 1854-1870., Registrované v: WOS
18. [1.1] ANNANTH, N. Identifying non-k-separability oa a class of N-qubit complete graph states. In EUROPEAN PHYSICAL JOURNAL D, 2016, vol. 70, 149., Registrované v: WOS
19. [1.1] AN, Nguyen Ba - DAT, Le Thanh - KIM, Jaewan. Nonstandard protocols for joint remote preparation of a general quantum state and hybrid entanglement of any dimension. In PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 98, no. 4, 042329., Registrované v: WOS
20. [1.1] AOLITA, Leandro - DE MELO, Fernando - DAVIDOVICH, Luiz. Open-system dynamics of entanglement: a key issues review. In REPORTS ON PROGRESS IN PHYSICS. ISSN 0034-4885, 2015, vol. 78, no. 4, 042001., Registrované v: WOS
21. [1.1] APOLLARO, Tony J. G. - SANAVIO, Claudio - CHETCUTI, Wayne Jordan - LORENZO, Salvatore. Multipartite entanglement transfer in spin chains. In PHYSICS LETTERS A. ISSN 0375-9601, 2020, vol. 384, no. 15, 126306., Registrované v: WOS
22. [1.1] ARDESHIR-LARIJANI, Ebrahim - GAY, Simon J. - NAGARAJAN, Rajagopal. Automated Equivalence Checking of Concurrent Quantum Systems. In ACM TRANSACTIONS ON COMPUTATIONAL LOGIC. ISSN 1529-3785, 2018, vol. 19, no. 4, 28., Registrované v: WOS
23. [1.1] ARMSTRONG, Seiji - WANG, Meng - TEH, Run Yan - GONG, Qihuang - HE, Qiongyi - JANOUSELE, Jiri - BACHOR, Hans-Albert - REID, Margaret D. - LAM, Ping Koy. Multipartite Einstein-Podolsky-Rosen steering and genuine tripartite entanglement with optical networks. In NATURE PHYSICS. ISSN 1745-2473, 2015, vol. 11, no. 2, pp. 167., Registrované v: WOS
24. [1.1] ARRAZOLA, Juan Miguel - KARASAMANIS, Markos -

LUTKENHAUS, Norbert. Practical quantum retrieval games. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 93, no. 6, 062311., Registrované v: WOS

25. [1.1] ARZANI, Francesco - FERRINI, Giulia - GROSSHANS, Frederic - MARKHAM, Damian. Random coding for sharing bosonic quantum secrets. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 2, 022303., Registrované v: WOS

26. [1.1] AVILA AOKI, Manuel - GERARDO HONORATO, Carlos - HERNANDEZ VAZQUEZ, Jose Eladio. Time Evolution of the 3-Tangle of a System of 3-Qubit Interacting through a XY Hamiltonian. In COMPUTACION Y SISTEMAS. ISSN 1405-5546, 2019, vol. 23, no. 2, pp. 469-476., Registrované v: WOS

27. [1.1] BAI, Hai-Yan - LI, Zhi-Hui - HAO, Na. Quantum Security Computation on Shared Secrets. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2019, vol. 58, no. 1, pp. 10-21., Registrované v: WOS

28. [1.1] BAI, Chen-ming - LI, Yong-ming. Probabilistic Quantum Information Splitting Based on the Non-maximally Entangled Four-Qubit State. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2016, vol. 55, no. 3, pp. 1658-1667., Registrované v: WOS

29. [1.1] BAI, Chen-Ming - LI, Zhi-Hui - XU, Ting-Ting - LI, Yong-Ming. A Generalized Information Theoretical Model for Quantum Secret Sharing. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2016, vol. 55, no. 11, pp. 4972-4986., Registrované v: WOS

30. [1.1] BAI, Chen-Ming - LI, Zhi-Hui - LIU, Cheng-Ji - LI, Yong-Ming. Quantum secret sharing using orthogonal multiqudit entangled states. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2017, vol. 16, no. 12, UNSP 304., Registrované v: WOS

31. [1.1] BAI, Chen-Ming - LI, Zhi-Hui - SI, Meng-Meng - LI, Yong-Ming. Quantum secret sharing for a general quantum access structure. In EUROPEAN PHYSICAL JOURNAL D. ISSN 1434-6060, 2017, vol. 71, no. 10, 255., Registrované v: WOS

32. [1.1] BAI, Chen-Ming - LI, Zhi-Hui - XU, Ting-Ting - LI, Yong-Ming. Quantum secret sharing using the d-dimensional GHZ state. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2017, vol. 16, no. 3, UNSP 59., Registrované v: WOS

33. [1.1] BAI, Chen-Ming - LI, Zhi-Hui - WANG, Jing-Tao - LIU, Cheng-Ji - LI, Yong-Ming. Restricted (k, n)-threshold quantum secret sharing scheme based on local distinguishability of orthogonal multiqudit entangled states. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2018, vol. 17, no. 11, UNSP 312., Registrované v: WOS

34. [1.1] BAI, Chen-Ming - LI, Zhi-Hui - LI, Yong-Ming. Improving fidelity of quantum secret sharing in noisy environments. In EUROPEAN PHYSICAL JOURNAL D. ISSN 1434-6060, 2018, vol. 72, no. 7, 126., Registrované v: WOS

35. [1.1] BAI, Chen-Ming - LI, Zhi-Hui - LI, Yong-Ming. Sequential Quantum Secret Sharing Using a Single Qudit. In COMMUNICATIONS IN THEORETICAL PHYSICS. ISSN 0253-6102, 2018, vol. 69, no. 5, pp. 513-518., Registrované v: WOS

36. [1.1] BAI, Chen-Ming - LI, Jing - ZHANG, Sujuan - LIU, Lu.

- Improving fidelity of quantum secret sharing by weak measurement. In LASER PHYSICS LETTERS. ISSN 1612-2011, 2020, vol. 17, no. 2, 025205.,
Registrované v: WOS
37. [1.1] BAI, CH.-M. - LI, Z.-H. - LIU, CH.-J. - et al. Quantum secret sharing using orthogonal multiqubit entangled states, In QUANTUM INFORMATION PROCESSING, 2017, vol. 16, no. 12, UNSP 304.,
Registrované v: WOS
38. [1.1] BANERJEE, Ratul - PAL, Amit Kumar - SEN (DE), Aditi. Uniform decoherence effect on localizable entanglement in random multiqubit pure states. In PHYSICAL REVIEW A. ISSN 2469-9926, 2020, vol. 101, no. 4, 042339., Registrované v: WOS
39. [1.1] BANERJEE, Subhashish - ALOK, Ashutosh Kumar - SRIKANTH, R. - HIESMAYR, Beatrix C. A quantum-information theoretic analysis of three-flavor neutrino oscillations. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 10, 487., Registrované v: WOS
40. [1.1] BARASINSKI, Artur - ARKHIPOV, Ievgen I. - SVOZILIK, Jiri. Localizable entanglement as a necessary resource of controlled quantum teleportation. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2018, vol. 8, 15209., Registrované v: WOS
41. [1.1] BARASINSKI, Artur - CERNOCH, Antonin - LEMR, Karel. Demonstration of Controlled Quantum Teleportation for Discrete Variables on Linear Optical Devices. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 122, no. 17, 170501., Registrované v: WOS
42. [1.1] BARRAL, David - WALSCHAERS, Mattia - BENCHEIKH, Kamel - PARIGI, Valentina - LEVENSON, Juan Ariel - TREPS, Nicolas - BELABAS, Nadia. Versatile Photonic Entanglement Synthesizer in the Spatial Domain. In PHYSICAL REVIEW APPLIED. ISSN 2331-7019, 2020, vol. 14, no. 4, 044025., Registrované v: WOS
43. [1.1] BARRETT, Thomas D. - RUBENOK, Allison - STUART, Dustin - BARTER, Oliver - HOLLECZEK, Annemarie - DILLEY, Jerome - NISBET-JONES, Peter B. R. - POULIOS, Konstantinos - MARSHALL, Graham D. - O'BRIEN, Jeremy L. - POLITI, Alberto - MATTHEWS, Jonathan C. F. - KUHN, Axel. Multimode interferometry for entangling atoms in quantum networks. In QUANTUM SCIENCE AND TECHNOLOGY. ISSN 2058-9565, 2019, vol. 4, no. 2, 025008., Registrované v: WOS
44. [1.1] BARTKIEWICZ, Karol - CHIMCZAK, Grzegorz. Two methods for measuring Bell nonlocality via local unitary invariants of two-qubit systems in Hong-Ou-Mandel interferometers. In PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 97, no. 1, 012107., Registrované v: WOS
45. [1.1] BARTLETT, Ben - FAN, Shanhui. Universal programmable photonic architecture for quantum information processing In PHYSICAL REVIEW A, 2020, vol. 101, no. 4, 042319., Registrované v: WOS
46. [1.1] BASSIRIAN, Roozbeh - BOREIRI, Sadra - KARIMIPOUR, Vahid. Computing on quantum shared secrets for general quantum access structures. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2019, vol. 18, no. 4, 109., Registrované v: WOS
47. [1.1] BAUML, Stefan - AZUMA, Koji - KATO, Go - ELKOUSS, David. Linear programs for entanglement and key distribution in the quantum internet. In COMMUNICATIONS PHYSICS. ISSN 2399-3650, 2020, vol. 3, no.

1, 55., Registrované v: WOS

48. [1.1] BAUML, S. - AZUMA, K. Fundamental limitation on quantum broadcast networks, In QUANTUM SCIENCE AND TECHNOLOGY, 2017, vol. 2, no. 2, UNSP 024004., Registrované v: WOS

49. [1.1] BEHERA, B. K. - BANERJEE, A. - PANIGRAHI, P. K. Experimental realization of quantum cheque using a five-qubit quantum computer, In QUANTUM INFORMATION PROCESSING, 2017, vol. 16, no. 12, UNSP 312., Registrované v: WOS

50. [1.1] BERA, Anindita - KUMAR, Asutosh - RAKSHIT, Debraj - PRABHU, R. - SEN (DE), Aditi - SEN, Ujjwal. Information complementarity in multipartite quantum states and security in cryptography. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 93, no. 3, 032338., Registrované v: WOS

51. [1.1] BERNARDO, Bertulio de Lima - LENCSES, Mate - BRITO, Samurai - CANABARRO, Askery. Greenberger-Horne-Zeilinger state generation with linear optical elements. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2019, vol. 18, no. 11, 331., Registrované v: WOS

52. [1.1] BHATTACHARYA, S. S. - PAUL, B. - ROY, A. - et al. Improvement in device-independent witnessing of genuine tripartite entanglement by local marginals, In PHYSICAL REVIEW A, 2017, vol. 95, no. 4, 042130., Registrované v: WOS

53. [1.1] BOUCHARD, Frederic - HESHAMI, Khabat - ENGLAND, Duncan - FICKLER, Robert - BOYD, Robert W. - ENGLERT, Berthold-Georg - SANCHEZ-SOTO, Luis L. - KARIMI, Ebrahim. Experimental investigation of high-dimensional quantum key distribution protocols with twisted photons. In QUANTUM. ISSN 2521-327X, 2018, vol. 2., Registrované v: WOS

54. [1.1] BREINER, Spencer - KALEV, Amir - MILLER, Carl A. Parallel Self-Testing of the GHZ State with a Proof by Diagrams. In ELECTRONIC PROCEEDINGS IN THEORETICAL COMPUTER SCIENCE. ISSN 2075-2180, 2019, no. 287, pp. 43-66., Registrované v: WOS

55. [1.1] BUENANO, Hernando - GUACHIMBOSA, Victor H. V. - RUIZ, Jaime - SALAZAR MERA, Javier - SANCHEZ GUERRERO, Javier. A Reliable Security Alternative: Quantum Cryptography. In 2019 SIXTH INTERNATIONAL CONFERENCE ON EDEMOCRACY & EGOVERNMENT (ICEDEG). ISSN 2573-2005, 2019, vol., pp. 357-361., Registrované v: WOS

56. [1.1] CAI CHUN - ZHOU LAN - SHENG YU-BO. Fast multi-copy entanglement purification with linear optics. In CHINESE PHYSICS B. ISSN 1674-1056, 2015, vol. 24, no. 12, 120306., Registrované v: WOS

57. [1.1] CAI, Binbin - GUO, Gongde - LIN, Song - ZUO, Huijuan - YU, Chaohua. Multipartite Quantum Key Agreement Over Collective Noise Channels. In IEEE PHOTONICS JOURNAL. ISSN 1943-0655, 2018, vol. 10, no. 1, 7600211., Registrované v: WOS

58. [1.1] CAI, B. - GUO, G. - LIN, S. Multi-party quantum key agreement with teleportation, In MODERN PHYSICS LETTERS B, 2017, vol. 31, no. 10, 1750102., Registrované v: WOS

59. [1.1] CAI, Tao - JIANG, Min - CAO, Gang. Multi-party quantum key agreement with five-qubit brown states. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2018, vol. 17, no. 5, UNSP 103., Registrované v: WOS

60. [1.1] CAI, Tao - JIANG, Min. Improving the Teleportation Scheme of

Three-Qubit State with a Four-Qubit Quantum Channel. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2018, vol. 57, no. 1, pp. 131-137., Registrované v: WOS

61. [1.1] CAI, Xiaoqiu - WANG, Tianyin - ZHANG, Ruiling - GAO, Fei. Security of Verifiable Threshold Quantum Secret Sharing With Sequential Communication. In IEEE ACCESS. ISSN 2169-3536, 2019, vol. 7, pp. 134854-134861., Registrované v: WOS

62. [1.1] CAI, Y. - ROSLUND, J. - FERRINI, G. - et al. Multimode entanglement in reconfigurable graph states using optical frequency combs, In NATURE COMMUNICATIONS, 2017, vol. 8, 15645., Registrované v: WOS

63. [1.1] CAO THI BICH - NGUYEN BA AN. Hierarchically controlling quantum teleportations. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2019, vol. 18, no. 8, 245., Registrované v: WOS

64. [1.1] CAO, Cong - ZHANG, Li - HAN, Yu-Hong - YIN, Pan-Pan - FAN, Ling - DUAN, Yu-wen - ZHANG, Ru. Complete and faithful hyperentangled-Bell-state analysis of photon systems using a failure-heralded and fidelity-robust quantum gate. In OPTICS EXPRESS. ISSN 1094-4087, 2020, vol. 28, no. 3, pp. 2857-2872., Registrované v: WOS

65. [1.1] CAO, Hao - MA, Wenping. Multi-party traveling-mode quantum key agreement protocols immune to collusive attack. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2018, vol. 17, no. 9, UNSP 219., Registrované v: WOS

66. [1.1] CAO, Hao - MA, Wenping. Efficient multi-party quantum key agreement protocol based on nonorthogonal quantum entangled pairs. In LASER PHYSICS LETTERS. ISSN 1612-2011, 2018, vol. 15, no. 9, 095201., Registrované v: WOS

67. [1.1] CAO, Hao - MA, Wenping. Verifiable Threshold Quantum State Sharing Scheme. In IEEE ACCESS. ISSN 2169-3536, 2018, vol. 6, pp. 10453-10457., Registrované v: WOS

68. [1.1] CAO, Hao - MA, Wenping - LUE, Liangdong - HE, Yefeng - LIU, Ge. Multi-party quantum privacy comparison of size based on d-level GHZ states. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2019, vol. 18, no. 9, 287., Registrované v: WOS

69. [1.1] CAO, H. - MA, W. Multiparty Quantum Key Agreement Based on Quantum Search Algorithm, In SCIENTIFIC REPORTS, 2017, vol. 7, 45046, Registrované v: WOS

70. [1.1] CAO, H. - MA, W. (t, n) Threshold Quantum State Sharing Scheme Based on Linear Equations and Unitary Operation, In IEEE PHOTONICS JOURNAL, 2017, vol. 9, no. 1, 7600207., Registrované v: WOS

71. [1.1] CAO, Tian - CHANG, Yan - YAN, Lili - ZHANG, Shibin - WANG, Qirun. Quantum Electronic Contract Scheme Based on Single Photon. In CMC-COMPUTERS MATERIALS & CONTINUA. ISSN 1546-2218, 2020, vol. 65, no. 2, pp. 1507-1517., Registrované v: WOS

72. [1.1] CAO, Wei-Feng - YANG, Yu-Guang. Verifiable Quantum Secret Sharing Protocols Based on Four-Qubit Entangled States. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2019, vol. 58, no. 4, pp. 1202-1214., Registrované v: WOS

73. [1.1] CAO, Wen-Fei - ZHEN, Yi-Zheng - ZHENG, Yu-Lin - ZHAO, Shuai - XU, Feihu - LI, Li - CHEN, Zeng-Bing - LIU, Nai-Le - CHEN, Kai. Open-Destination Measurement-Device-Independent Quantum Key Distribution

- Network. In ENTROPY, 2020, vol. 22, no. 10, 1083., Registrované v: WOS
74. [1.1] CAO, Z.-W. - FENG, X.-Y. - PENG, J.-Y. - et al. Efficient Quantum Private Communication Based on Dynamic Control Code Sequence, In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2017, vol. 56, no. 4, pp. 1141-1149., Registrované v: WOS
75. [1.1] COHEN, Scott M. Strong bounds on required resources for quantum channels by local operations and classical communication. In PHYSICAL REVIEW A. ISSN 1050-2947, 2019, vol. 100, no. 4, 042324., Registrované v: WOS
76. [1.1] COHEN, Scott M. Structure of local quantum operations and classical communication: Finite versus infinite rounds. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 91, no. 4, 042106., Registrované v: WOS
77. [1.1] COHEN, S. M. General Approach to Quantum Channel Impossibility by Local Operations and Classical Communication, In PHYSICAL REVIEW LETTERS, 2017, vol. 118, no. 2, 020501., Registrované v: WOS
78. [1.1] CONTRERAS-TEJADA, Patricia - PALAZUELOS, Carlos - DE VICENTE, Julio. Resource Theory of Entanglement with a Unique Multipartite Maximally Entangled State. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 122, no. 12, 120503., Registrované v: WOS
79. [1.1] CUI, Wen-Xue - HU, Shi - WANG, Hong-Fu - ZHU, Ai-Dong - ZHANG, Shou. Deterministic conversion of a four-photon GHZ state to a W state via homodyne measurement. In OPTICS EXPRESS. ISSN 1094-4087, 2016, vol. 24, no. 14, pp. 15319-15327., Registrované v: WOS
80. [1.1] CUI, Zheng-Xia - ZHONG, Wei - ZHOU, Lan - SHENG, Yu-Bo. Measurement-device-independent quantum key distribution with hyper-encoding. In SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY. ISSN 1674-7348, 2019, vol. 62, no. 11, 110311., Registrované v: WOS
81. [1.1] CUNHA, Marcio M. - FONSECA, Alejandro - SILVA, Edilberto O. Tripartite Entanglement: Foundations and Applications. In UNIVERSE, 2019, vol. 5, no. 10, 209., Registrované v: WOS
82. [1.1] DASH, Tadasha - SK, Rajiuddin - PANIGRAHI, Prasanta K. Deterministic joint remote state preparation of arbitrary two-qubit state through noisy cluster-GHZ channel. In OPTICS COMMUNICATIONS. ISSN 0030-4018, 2020, vol. 464, 125518., Registrované v: WOS
83. [1.1] DAS, Nayana - MAJUMDAR, Ritajit. Comment on "Quantum key agreement protocol". In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION. ISSN 0219-7499, 2020, vol. 18, no. 7, 2050039., Registrované v: WOS
84. [1.1] DAS, Nayana - PAUL, Goutam. Two efficient measurement device independent quantum dialogue protocols. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION. ISSN 0219-7499, 2020, vol. 18, no. 7, 2050038., Registrované v: WOS
85. [1.1] DAS, Siddhartha - KHATRI, Sumeet - DOWLING, Jonathan P. Robust quantum network architectures and topologies for entanglement distribution. In PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 97, no. 1, 012335., Registrované v: WOS
86. [1.1] DAS, Tamoghna - PRABHU, R. - SEN DE, Aditi - SEN, Ujjwal. Distributed quantum dense coding with two receivers in noisy environments. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 92, no.

5, 052330., Registrované v: WOS

87. [1.1] DAS, T. et al. Superiority of photon subtraction to addition for entanglement in a multimode. In PHYSICAL REVIEW A, 2016, vol. 93, 052313., Registrované v: WOS

88. [1.1] DA, Xinyu - SHI, Zhi-Cheng. Efficient Generation of Atomic Singlet State with Rydberg Blockade and Lie-Transform-Based Pulse Design. In ANNALEN DER PHYSIK. ISSN 0003-3804, 2020, vol. 532, no. 7, 2000093., Registrované v: WOS

89. [1.1] DE OLIVEIRA, Michael - NAPE, Isaac - PINNELL, Jonathan - TABEBORDBAR, Najmeh - FORBES, Andrew. Experimental high-dimensional quantum secret sharing with spin-orbit-structured photons. In PHYSICAL REVIEW A. ISSN 2469-9926, 2020, vol. 101, no. 4, 042303., Registrované v: WOS

90. [1.1] DE VICENTE, J. I. - SPEE, C. - SAUERWEIN, D. - et al. Entanglement manipulation of multipartite pure states with finite rounds of classical communication, In PHYSICAL REVIEW A, 2017, vol. 95, no. 1, 012323., Registrované v: WOS

91. [1.1] DELGADO, Francisco. SU(2) Decomposition for the Quantum Information Dynamics in 2d-Partite Two-Level Quantum Systems. In ENTROPY. ISSN 1099-4300, 2018, vol. 20, no. 8, UNSP 610., Registrované v: WOS

92. [1.1] DENG FU-GUO - LI XI-HAN - LI TAO. Quantum error rejection and fault tolerant quantum communication. In ACTA PHYSICA SINICA. ISSN 1000-3290, 2018, vol. 67, no. 13, 130301., Registrované v: WOS

93. [1.1] DENG, F.-G. - REN, B.-C. - LI, X.-H. Quantum hyperentanglement and its applications in quantum information processing, In SCIENCE BULLETIN, 2017, vol. 62, no. 1, pp. 46-68., Registrované v: WOS

94. [1.1] DENG, Y. - LI, H. R. - LIANG, X. B. - LUO, M. X. Optimal W State and Bipartite Entanglement Transfers. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2015, vol. 54, no. 10, pp. 3676., Registrované v: WOS

95. [1.1] DIAMANTI, Eleni - LO, Hoi-Kwong - QI, Bing - YUAN, Zhiliang. Practical challenges in quantum key distribution. In NPJ QUANTUM INFORMATION. ISSN 2056-6387, 2016, vol. 2, 16025., Registrované v: WOS

96. [1.1] DING, Feng - HU, Xueyuan. Masking quantum information on hyperdisks. In PHYSICAL REVIEW A. ISSN 2469-9926, 2020, vol. 102, no. 4, 042404., Registrované v: WOS

97. [1.1] DOGRA, Shruti et al. Experimental construction of generic three-qubit states. In PHYSICAL REVIEW A, 2015, vol. 91, 022312., Registrované v: WOS

98. [1.1] DONG, Kai - ZHAO, Yongli - NAG, Avishek - YU, Xiaosong - ZHANG, Jie. Distributed subkey-relay-tree-based secure multicast scheme in quantum data center networks. In OPTICAL ENGINEERING. ISSN 0091-3286, 2020, vol. 59, no. 6, 065102., Registrované v: WOS

99. [1.1] DONG, Kai - ZHAO, Yongli - YANG, Tiancheng - LI, Yajie - NAG, Avishek - YU, Xiaosong - ZHANG, Jie. Tree-topology-based quantum-key-relay strategy for secure multicast services. In JOURNAL OF OPTICAL COMMUNICATIONS AND NETWORKING. ISSN 1943-0620, 2020, vol. 12, no. 5, pp. 120-132., Registrované v: WOS

100. [1.1] DONG, L. - LIN, Y.-F. - CUI, C. - et al. Fault-tolerant

distribution of GHZ states and controlled DSQC based on parity analyses, In OPTICS EXPRESS, 2017, vol. 25, no. 16, pp. 18581-18591., Registrované v: WOS

101. [1.1] DONG, M.-X. - ZHANG, W. - HOU, Z.-B. - et al. Experimental realization of narrowband four-photon Greenberger-Horne-Zeilinger state in a single cold atomic ensemble, In OPTICS LETTERS, 2017, vol. 42, no. 22, pp. 4691-4694., Registrované v: WOS

102. [1.1] DOU, Zhao - XU, Gang - CHEN, Xiubo - YUAN, Kaiguo. Rational Non-Hierarchical Quantum State Sharing Protocol. In CMC-COMPUTERS MATERIALS & CONTINUA. ISSN 1546-2218, 2019, vol. 58, no. 2, pp. 335-347., Registrované v: WOS

103. [1.1] DOU, Zhao - XU, Gang - CHEN, Xiu-Bo - NIU, Xin-Xin - YANG, Yi-Xian - YANG, Yu. Searching for optimal quantum secret sharing scheme based on local distinguishability. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2020, vol. 19, no. 10, 368., Registrované v: WOS

104. [1.1] DU FANGFANG - DENG FUGUO. Heralded entanglement concentration for photon systems with linear-optical elements. In SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY. ISSN 1674-7348, 2015, vol. 58, no. 4, 040303., Registrované v: WOS

105. [1.1] DU, Fang-Fang - DENG, Fu-Guo. Systematic entanglement concentration for unknown less-entangled three-photon W states. In LASER PHYSICS LETTERS. ISSN 1612-2011, 2015, vol. 12, no. 11, 115202., Registrované v: WOS

106. [1.1] DU, Fang-Fang - LIU, Yong-Ting - SHI, Zhen-Rong - LIANG, Yu-Xi - TANG, Jun - LIU, Jun. Efficient hyperentanglement purification for three-photon systems with the fidelity-robust quantum gates and hyperentanglement link. In OPTICS EXPRESS. ISSN 1094-4087, 2019, vol. 27, no. 19, pp. 27046-27061., Registrované v: WOS

107. [1.1] DU, F.-F. et al. General hyperconcentration of photonic polarization-time-bin hyperentanglement. In SCIENTIFIC REPORTS, 2016, vol. 6, 35922., Registrované v: WOS

108. [1.1] DU, F.-F. - LI, T. - LONG, G.-L. Refined hyperentanglement purification of two-photon systems for high-capacity. In ANNALS OF PHYSICS, 2016, vol. 375, p. 105-118., Registrované v: WOS

109. [1.1] DU, F.-F. - LONG, G.-L. Refined entanglement concentration for electron-spin entangled cluster states with quantum-dot spins in optical microcavities, In QUANTUM INFORMATION PROCESSING, 2017, vol. 16, no. 1, UNSP 26., Registrované v: WOS

110. [1.1] DU, G. - SHANG, T. - LIU, J.-W. Quantum coordinated multi-point communication based on entanglement swapping, In QUANTUM INFORMATION PROCESSING, 2017, vol. 16, no. 5, UNSP 116., Registrované v: WOS

111. [1.1] DU, Yu-Tao - BAO, Wan-Su. Dynamic quantum secret sharing protocol based on two-particle transform of Bell states. In CHINESE PHYSICS B. ISSN 1674-1056, 2018, vol. 27, no. 8, 080304., Registrované v: WOS

112. [1.1] DU, Zhenlong - LI, Xiaoli. A layered quantum communication path protocol cross multiple participants based on entanglement swapping. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2019, vol. 18, no. 7, 226., Registrované v: WOS

113. [1.1] DU, Zhenlong - LI, Xiaoli. Robust High Capability QKD-Based Database Private Query. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2019, vol. 58, no. 2, pp. 391-398., Registrované v: WOS
114. [1.1] DU, Zhenlong - LI, Xiaoli. Deterministic joint remote state preparation of four-qubit cluster type with tripartite involvement. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2020, vol. 19, no. 1, 39., Registrované v: WOS
115. [1.1] EMAMIPANAH, Shima - ASOUDEH, Marzieh - KARIMIPOUR, Vahid. Entangled states as robust and re-usable carriers of information. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2020, vol. 19, no. 10, 357., Registrované v: WOS
116. [1.1] ENGLBRECHT, Matthias - KRAUS, Barbara. Symmetries and entanglement of stabilizer states. In PHYSICAL REVIEW A. ISSN 1050-2947, 2020, vol. 101, no. 6, 062302., Registrované v: WOS
117. [1.1] ERHARD, Manuel - MALIK, Mehul - KRENN, Mario - ZEILINGER, Anton. Experimental Greenberger-Horne-Zeilinger entanglement beyond qubits. In NATURE PHOTONICS. ISSN 1749-4885, 2018, vol. 12, no. 12, pp. 759-764., Registrované v: WOS
118. [1.1] FAROUK, Ahmed - BATLE, J. - ELHOSENY, M. - NASERI, Mosayeb - LONE, Muzaffar - FEDOROV, Alex - ALKHAMBASHI, Majid - AHMED, Syed Hassan - ABDEL-ATY, M. Robust general N user authentication scheme in a centralized quantum communication network via generalized GHZ states. In FRONTIERS OF PHYSICS. ISSN 2095-0462, 2018, vol. 13, no. 2, 130306., Registrované v: WOS
119. [1.1] FAROUK, Ahmed - TARAWNEH, O. - ELHOSENY, Mohamed - BATLE, J. - NASERI, Mosayeb - HASSANIEN, Aboul Ella - LONE, Muzaffar. Different Architectures of Quantum Key Distribution Network. In QUANTUM COMPUTING: AN ENVIRONMENT FOR INTELLIGENT LARGE SCALE REAL APPLICATION. ISSN 2197-6503, 2018, vol. 33, pp. 41-61., Registrované v: WOS
120. [1.1] FAUJDAR, Jyoti - KUMAR, Atul. Analysing the Efficiencies of Partially Entangled Three-Qubit States for Quantum Information Processing Under Real Conditions. In ZEITSCHRIFT FUR NATURFORSCHUNG SECTION A-A JOURNAL OF PHYSICAL SCIENCES. ISSN 0932-0784, 2019, vol. 74, no. 6, pp. 523-537., Registrované v: WOS
121. [1.1] FEL'DMAN, E. B. - KUZNETSOVA, E. I. - ZENCHUK, A. I. Temperature-dependent remote control of polarization and coherence intensity with sender's pure initial state. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2016, vol. 15, no. 6, pp. 2521-2552., Registrované v: WOS
122. [1.1] FENG, Tian - GUO, Zhihua - CAO, Huaixin. Witness for Non-Quasi Maximally Entangled States. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2016, vol. 55, no. 12, pp. 5202-5215., Registrované v: WOS
123. [1.1] FERRERI, A. - ANSARI, V - BRECHT, B. - SILBERHORN, C. - SHARAPOVA, P. R. Spatial entanglement and state engineering via four-photon Hong-Ou-Mandel interference. In QUANTUM SCIENCE AND TECHNOLOGY. ISSN 2058-9565, 2020, vol. 5, no. 4, 045020., Registrované v: WOS
124. [1.1] FLAMINI, Fulvio - SPAGNOLO, Nicolo - SCIARRINO, Fabio.

Photonic quantum information processing: a review. In REPORTS ON PROGRESS IN PHYSICS. ISSN 0034-4885, 2019, vol. 82, no. 1, 016001., Registrované v: WOS

125. [1.1] FU, H. - MA, P.-CH. - CHEN, G.-B. - et al. Efficient schemes for deterministic joint remote preparation of an arbitrary four-qubit W-type entangled state, In PRAMANA-JOURNAL OF PHYSICS, 2017, vol. 88, no. 6, 92., Registrované v: WOS

126. [1.1] FU, Yao - YIN, Hua-Lei - CHEN, Teng-Yun - CHEN, Zeng-Bing. Long-Distance Measurement-Device-Independent Multiparty Quantum Communication. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 114, no. 9, 090501., Registrované v: WOS

127. [1.1] GAO, Gan - WANG, Yue - WANG, Dong. Multiparty semiquantum secret sharing based on rearranging orders of qubits. In MODERN PHYSICS LETTERS B. ISSN 0217-9849, 2016, vol. 30, no. 10, 1650130., Registrované v: WOS

128. [1.1] GAO, Gan - WANG, Yue. Comment on "Proactive quantum secret sharing". In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2017, vol. 16, no. 3., Registrované v: WOS

129. [1.1] GAO, Gan - WANG, Yue - WANG, Dong. Cryptanalysis of a semi-quantum secret sharing scheme based on Bell states. In MODERN PHYSICS LETTERS B. ISSN 0217-9849, 2018, vol. 32, no. 9, 1850117., Registrované v: WOS

130. [1.1] GAO, Gan - WEI, Chang-Cheng - WANG, Dong. Cryptanalysis and improvement of dynamic quantum secret sharing protocol based on two-particle transform of Bell states. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2019, vol. 18, no. 6, 186., Registrované v: WOS

131. [1.1] GAO, Gan. Notes on two multiparty quantum secret sharing schemes. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION. ISSN 0219-7499, 2018, vol. 16, no. 3, 1850030., Registrované v: WOS

132. [1.1] GAO, Cheng-Yan - REN, Bao-Cang - ZHANG, Yuan-Xia - AI, Qing - DENG, Fu-Guo. The Linear Optical Unambiguous Discrimination of Hyperentangled Bell States Assisted by Time Bin. In ANNALEN DER PHYSIK. ISSN 0003-3804, 2019, vol. 531, no. 10, 1900201., Registrované v: WOS

133. [1.1] GAO, Cheng-Yan - REN, Bao-Cang - ZHANG, Yuan-Xia - AI, Qing - DENG, Fu-Guo. Universal linear-optical hyperentangled Bell-state measurement. In APPLIED PHYSICS EXPRESS. ISSN 1882-0778, 2020, vol. 13, no. 2, 027004., Registrované v: WOS

134. [1.1] GAO, CH.-Y. - WANG, G.-Y. - ALZHRANI, F. - et al. Robust spatial-polarization hyperentanglement distribution of two-photon systems against collective noise, In JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS, 2017, vol. 50, no. 5, 055502., Registrované v: WOS

135. [1.1] GAO, CH.-Y. - WANG, G.-Y. - ZHANG, H. - et al. Multi-photon self-error-correction hyperentanglement distribution over arbitrary collective-noise channels, In QUANTUM INFORMATION PROCESSING, 2017, vol. 16, no. 1., Registrované v: WOS

136. [1.1] GAO, W.-CH. - WANG, CH. Efficient entanglement distillation of solid qubits using non-reciprocal microresonators, In Conference: IEEE 85th Vehicular Technology Conference (VTC Spring) Location: Sydney,

AUSTRALIA Date: JUN 04-07, 2017, Sponsor(s): IEEE; IEEE Vehicular Technol Soc, 2017 IEEE 85TH VEHICULAR TECHNOLOGY CONFERENCE (VTC SPRING) Book Series: IEEE Vehicular Technology Conference Proceedings., Registrované v: WOS

137. [1.1] GAO, Xiang - ZHANG, Shibin - CHANG, Yan. Cryptanalysis and Improvement of the Semi-quantum Secret Sharing Protocol. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2017, vol. 56, no. 8, pp. 2512-2520., Registrované v: WOS

138. [1.1] GAO, Yu-Long - CHEN, Xiu-Bo - XU, Gang - YUAN, Kai-Guo - LIU, Wen - YANG, Yi-Xian. A novel quantum blockchain scheme base on quantum entanglement and DPoS. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2020, vol. 19, no. 12, 420., Registrované v: WOS

139. [1.1] GAO, ZiKai - LI, Tao - LI, ZhenHua. Deterministic measurement-device-independent quantum secret sharing. In SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY. ISSN 1674-7348, 2020, vol. 63, no. 12, 120311., Registrované v: WOS

140. [1.1] GAY, Simon J. - PUTHOOR, Ittoop V. Equational Reasoning About Quantum Protocols. In REVERSIBLE COMPUTATION, RC 2015. ISSN 0302-9743, 2015, vol. 9138, no., pp. 155., Registrované v: WOS

141. [1.1] GEBRERNARIAM, Tesfay - LI, Wenlin - LI, Chong. Dynamics of quantum correlation of four qubits system. In PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS. ISSN 0378-4371, 2016, vol. 457, no., pp. 437-442., Registrované v: WOS

142. [1.1] GESSNER, Manuel - SMERZI, Augusto. Encrypted quantum correlations: delayed choice of quantum statistics and other applications. In EPJ QUANTUM TECHNOLOGY. ISSN 2662-4400, 2019, vol. 6, no. 1, 4., Registrované v: WOS

143. [1.1] GHIO, M. - MALPETTI, D. - ROSSI, M. - BRUSS, D. - MACCHIAVELLO, C. Multipartite entanglement detection for hypergraph states. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2018, vol. 51, no. 4, 045302., Registrované v: WOS

144. [1.1] GLAUDELL, A. N. - WAKS, E. - TAYLOR, J. M. Serialized quantum error correction protocol for high-bandwidth quantum repeaters. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2016, vol. 18, 093008., Registrované v: WOS

145. [1.1] GOGIOSO, Stefano - ZENG, William. GENERALISED MERMIN-TYPE NON-LOCALITY ARGUMENTS. In LOGICAL METHODS IN COMPUTER SCIENCE. ISSN 1860-5974, 2019, vol. 15, no. 2, 51., Registrované v: WOS

146. [1.1] GOSWAMI, A. K. - PANIGRAHI, P. K. Uncertainty Relation and Inseparability Criterion, In FOUNDATIONS OF PHYSICS, 2017, vol. 47, no. 2, pp. 229-235., Registrované v: WOS

147. [1.1] GOUR, G. - KRAUS, B. - WALLACH, N. R. Almost all multipartite qubit quantum states have trivial stabilizer, In JOURNAL OF MATHEMATICAL PHYSICS, 2017, vol. 58, no. 9, 092204., Registrované v: WOS

148. [1.1] GRICE, Warren P. - QI, Bing. Quantum secret sharing using weak coherent states. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol.

100, no. 2, 022339., Registrované v: WOS

149. [1.1] GRICE, W. P. - EVANS, P. G. - LAWRIE, B. - LEGRE, M. - LOUGOVSKI, P. - RAY, W. - WILLIAMS, B. P. - QI, B. - SMITH, A. M. Two-Party secret key distribution via a modified quantum secret sharing protocol. In OPTICS EXPRESS. ISSN 1094-4087, 2015, vol. 23, no. 6, pp. 7300., Registrované v: WOS

150. [1.1] GUAN, S.-Y. - JIN, Z. - WU, H.-J. - et al. Restoration of three-qubit entanglements and protection of tripartite quantum state sharing over noisy channels via environment-assisted measurement and reversal weak measurement, In QUANTUM INFORMATION PROCESSING, 2017, vol. 16, no. 5., Registrované v: WOS

151. [1.1] GUO, Peng-Liang - DONG, Chen - HE, Yi - JING, Feng - HE, Wan-Ting - REN, Bao-Cang - LI, Chun-Yan - DENG, Fu-Guo. Efficient quantum key distribution against collective noise using polarization and transverse spatial mode of photons. In OPTICS EXPRESS. ISSN 1094-4087, 2020, vol. 28, no. 4, pp. 4611-4624., Registrované v: WOS

152. [1.1] GUO, Peng-Liang - GAO, Cheng-Yan - LI, Tao - LI, Xi-Han - DENG, Fu-Guo. Quantum error rejection for faithful quantum communication over noise channels. In SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY. ISSN 1674-7348, 2019, vol. 62, no. 11, 110301., Registrované v: WOS

153. [1.1] GUO, Peng-Liang - LI, Tao - AI, Qing - DENG, Fu-Guo. Self-error-rejecting quantum state transmission of entangled photons for faithful quantum communication without calibrated reference frames. In EPL. ISSN 0295-5075, 2019, vol. 127, no. 6., Registrované v: WOS

154. [1.1] GUO, R. - ZHOU, L. - GU, S.-P.- et al. Generation of concatenated Greenberger-Horne-Zeilinger-type entangled coherent state based on linear optics, In QUANTUM INFORMATION PROCESSING, 2017, vol. 16, no. 3, UNSP 68, Registrované v: WOS

155. [1.1] GUO, Wei - ZHANG, Jian-Zhong - LI, Yan-Ping - AN, Wan. Multi-proxy Strong Blind Quantum Signature Scheme. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2016, vol. 55, no. 8, pp. 3524-3536., Registrované v: WOS

156. [1.1] GUO, Wen-Ming - QIN, Lei-Ru. Hierarchical and probabilistic quantum information splitting of an arbitrary two-qubit state via two cluster states. In CHINESE PHYSICS B. ISSN 1674-1056, 2018, vol. 27, no. 11, 110302., Registrované v: WOS

157. [1.1] GUO, W. - XIE, S.-C. - ZHANG, J.-Z. A Novel Quantum Proxy Blind Signature Scheme, In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2017, vol. 56, no. 5, pp. 1708-1718., Registrované v: WOS

158. [1.1] GUO, Ying - LUO, Peng - WANG, Yijun. Graph State-Based Quantum Secret Sharing with the Chinese Remainder Theorem. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2016, vol. 55, no. 11, pp. 4936-4950., Registrované v: WOS

159. [1.1] GUO, Y. - ZHAO, W. - LI, F. - et al. Improving Continuous-Variable Measurement-Device-Independent Multipartite Quantum Communication with Optical Amplifiers, In COMMUNICATIONS IN THEORETICAL PHYSICS, 2017, vol. 68, no. 2, pp. 191-200., Registrované v: WOS

160. [1.1] GUPTA, P. et al. Multi-channel entanglement distribution using spatial multiplexing from four-wave mixing in atomic vapor. In JOURNAL OF MODERN OPTICS, 2016, vol. 63, p. 185-189., Registrované v: WOS
161. [1.1] GU, Jun - HWANG, Tzonelih - TSAI, Chia-Wei. Improvement on 'Cryptanalysis and Improvement of a Multiparty Quantum Direct Secret Sharing of Classical Messages with Bell States and Bell Measurements'. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2019, vol. 58, no. 7, pp. 2341-2345., Registrované v: WOS
162. [1.1] GYONGYOSI, Laszlo - BACSARDI, Laszlo - IMRE, Sandor. A Survey on Quantum Key Distribution. In INFOCOMMUNICATIONS JOURNAL. ISSN 2061-2079, 2019, vol. 11, no. 2, pp. 14-21., Registrované v: WOS
163. [1.1] HABIBIDAVIJANI, Masoud - SANDERS, Barry C. Continuous-variable ramp quantum secret sharing with Gaussian states and operations. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2019, vol. 21, no. 11, 113023., Registrované v: WOS
164. [1.1] HAN, Xue - HU, Shi - GUO, Qi - WANG, Hong-Fu - ZHANG, Shou. Effective scheme for W-state fusion with weak cross-Kerr nonlinearities. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2015, vol. 14, no. 6, pp. 1919., Registrované v: WOS
165. [1.1] HAO, Na - LI, Zhi-Hui - BAI, Hai-Yan - BAI, Chen-Ming. A New Quantum Secret Sharing Scheme Based on Mutually Unbiased Bases. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2019, vol. 58, no. 4, pp. 1249-1261., Registrované v: WOS
166. [1.1] HE ZHEN-XING - FAN XING-KUI - CHU PENG-CHENG - MA HONG-YANG. Anonymous communication scheme based on quantum walk on Cayley graph. In ACTA PHYSICA SINICA. ISSN 1000-3290, 2020, vol. 69, no. 16, 160301., Registrované v: WOS
167. [1.1] HEBENSTREIT, M. - SPEE, C. - KRAUS, B. Maximally entangled set of tripartite qutrit states and pure state separable transformations which are not possible via local operations and classical communication. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 93, no. 1, 012339., Registrované v: WOS
168. [1.1] HE, Jianhao - LI, Lvzhou - HUANG, Yifan - SITU, Haozhen - QIU, Daowen. High-dimensional quantum key agreement protocol with pairs of single qudits. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION. ISSN 0219-7499, 2018, vol. 16, no. 3, 1850024., Registrované v: WOS
169. [1.1] HE, Qijian - YANG, Wei - CHEN, Bingren - HUANG, Liusheng. Cryptanalysis and improvement of the novel semi-quantum secret sharing scheme using entangled states. In MODERN PHYSICS LETTERS B. ISSN 0217-9849, 2019, vol. 33, no. 4, 1950045., Registrované v: WOS
170. [1.1] HE, Shuang - SU, Shi-Lei - WANG, Dong-Yang - SUN, Wen-Mei - BAI, Cheng-Hua - ZHU, Ai-Dong - WANG, Hong-Fu - ZHANG, Shou. Efficient shortcuts to adiabatic passage for three-dimensional entanglement generation via transitionless quantum driving. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2016, vol. 6, 30929., Registrované v: WOS
171. [1.1] HE, Wan-Ting - WANG, Jun - ZHANG, Tian-Tian - ALZAHIRANI, Faris - HOBINY, Aatef - ALSAEDI, Ahmed - HAYAT, Tasawar - DENG, Fu-Guo. High-Efficiency Three-Party Quantum Key Agreement

- Protocol with Quantum Dense Coding and Bell States. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2019, vol. 58, no. 9, pp. 2834-2846., Registrované v: WOS
172. [1.1] HE, Xiao-Ling - LIU, Man - YANG, Chui-Ping. Controlled teleportation with the control of two groups of agents via entanglement. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2015, vol. 14, no. 3, pp. 1055., Registrované v: WOS
173. [1.1] HE, Xiao-Ling - YANG, Chui-Ping. Deterministic transfer of multiqubit GHZ entangled states and quantum secret sharing between different cavities. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2015, vol. 14, no. 12, pp. 4461., Registrované v: WOS
174. [1.1] HE, X.-L. - YANG, CH.-P. Transferring multiqubit entanglement onto memory qubits in a decoherence-free subspace, In QUANTUM INFORMATION PROCESSING, 2017, vol. 16, no. 3, UNSP 67., Registrované v: WOS
175. [1.1] HE, Yefeng - MA, Wenping. Two-party quantum key agreement protocol with four-particle entangled states. In MODERN PHYSICS LETTERS B. ISSN 0217-9849, 2016, vol. 30, no. 26, 1650332., Registrované v: WOS
176. [1.1] HE, Ye-Feng - MA, Wen-Ping. Two-party quantum key agreement against collective noise. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2016, vol. 15, no. 12, pp. 5023-5035., Registrované v: WOS
177. [1.1] HE, Y. - MA, W. Two robust quantum key agreement protocols based on logical GHZ states, In MODERN PHYSICS LETTERS B, 2017, vol. 31, no. 3, 1750015., Registrované v: WOS
178. [1.1] HE, Y.-F. - MA, W.-P. Two Quantum Key Agreement Protocols Immune to Collective Noise, In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2017, vol. 56, no. 2, pp. 328-338., Registrované v: WOS
179. [1.1] HIESMAYR, B. C. - DE DOOD, M. J. A. - LOFFLER, W. Observation of Four-Photon Orbital Angular Momentum Entanglement. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2016, vol. 116, no. 7, 073601., Registrované v: WOS
180. [1.1] HIESMAYR, B.C. - Moskal, P. Genuine Multipartite Entanglement in the 3-Photon Decay of Positronium, In SCIENTIFIC REPORTS, 2017, vol. 7, 15349., Registrované v: WOS
181. [1.1] HIRAI, Hayato. Shrinking of operators in quantum error correction and AdS/CFT. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2019, vol., no. 12, 128., Registrované v: WOS
182. [1.1] HONG-MING, Pan. A Novel Pure Entangled State Based Two-Party Quantum Private Comparison Protocol. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2019, vol. 58, no. 11, pp. 3822-3827., Registrované v: WOS
183. [1.1] HONG-MING, Pan. Quantum Private Comparison Based on chi-Type Entangled States, In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2017, vol. 56, no. 10, pp. 3340-3347., Registrované v: WOS
184. [1.1] HOUSHMAND, Mahboobeh - ZAMANI, Morteza Saheb - SEDIGHI, Mehdi - HOUSHMAND, Monireh. GA-based approach to find the stabilizers of a given sub-space. In GENETIC PROGRAMMING AND

- EVOLVABLE MACHINES. ISSN 1389-2576, 2015, vol. 16, no. 1, pp. 57.,
Registrované v: WOS
185. [1.1] HOU, Fen - ZHOU, Qing - JIN, Ziwei - LI, Yang. Authenticated QKD Protocol Based on Single-Photon Interference. In IEEE ACCESS. ISSN 2169-3536, 2020, vol. 8, pp. 135357-135370., Registrované v: WOS
186. [1.1] HUANG WEI - WEN QIAO-YAN - LIU BIN - GAO FEI. Multi-user quantum key distribution with collective eavesdropping detection over collective-noise channels. In CHINESE PHYSICS B. ISSN 1674-1056, 2015, vol. 24, no. 7, 070308., Registrované v: WOS
187. [1.1] HUANG, Anqi - BARZ, Stefanie - ANDERSSON, Erika - MAKAROV, Vadim. Implementation vulnerabilities in general quantum cryptography. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2018, vol. 20, 103016., Registrované v: WOS
188. [1.1] HUANG, Chien-Ying - LAMBERT, Neill - LI, Che-Ming - LU, Yen-Te - NORI, Franco. Securing quantum networking tasks with multipartite Einstein-Podolsky-Rosen steering. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 99, no. 1, 012302., Registrované v: WOS
189. [1.1] HUANG, Wei - SU, Qi - XU, BingJie - LIU, Bin - FAN, Fan - JIA, HengYue - YANG, YingHui. Improved multiparty quantum key agreement in travelling mode. In SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY. ISSN 1674-7348, 2016, vol. 59, no. 12, 120311., Registrované v: WOS
190. [1.1] HUANG, Wei - YANG, Ying-Hui - JIA, Heng-Yue. Cryptanalysis and improvement of a quantum communication-based online shopping mechanism. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2015, vol. 14, no. 6, pp. 2211., Registrované v: WOS
191. [1.1] HUANG, Wei-cong - YANG, Yong-kai - JIANG, Dong - CHEN, Li-jun. Efficient travelling-mode quantum key agreement against participant's attacks. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2019, vol. 9, 16421., Registrované v: WOS
192. [1.1] HUANG, W. - SU, Q. - LIU, B. - et al. Efficient multiparty quantum key agreement with collective detection, In SCIENTIFIC REPORTS, 2017, vol. 7, 15264., Registrované v: WOS
193. [1.1] HUANG, Xiao-Bin - CHEN, Ye-Hong - WANG, Zhe. Fast generation of three-qubit Greenberger-Horne-Zeilinger state based on the Lewis-Riesenfeld invariants in coupled cavities. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2016, vol. 6, 25707., Registrované v: WOS
194. [1.1] HUANG, Zhiming - HE, Zhimin. Multi-party quantum state sharing under decoherence. In INTERNATIONAL JOURNAL OF MODERN PHYSICS B. ISSN 0217-9792, 2020, vol. 34, no. 12, 2050124., Registrované v: WOS
195. [1.1] HUANG, Zhiming - SITU, Haozhen. Protection of quantum dialogue affected by quantum field. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2019, vol. 18, no. 1, 37., Registrované v: WOS
196. [1.1] HUANG, Zhiming. Quantum secret sharing affected by vacuum fluctuation. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2019, vol. 18, no. 3, 88., Registrované v: WOS
197. [1.1] HUANG, Zhi-hong. Quantum State Sharing of an Arbitrary Three-Qubit State by Using a Seven-Qubit Entangled State. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN

- 0020-7748, 2015, vol. 54, no. 9, pp. 3438., Registrované v: WOS
198. [1.1] HUANG, Zixin - MACCHIAVELLO, Chiara - MACCONE, Lorenzo. Cryptographic quantum metrology. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 99, no. 2, 022314., Registrované v: WOS
199. [1.1] HU, Jian-Yong - YANG, Liu - WU, Shu-Xiao - CHEN, Rui-Yun - ZHANG, Guo-Feng - QIN, Cheng-Bing - XIAO, Lian-Tuan - JIA, Suo-Tang. Security proof of the two-way quantum secure direct communication with channel loss and noise. In EPL. ISSN 0295-5075, 2020, vol. 129, no. 1, 10004., Registrované v: WOS
200. [1.1] HU, Jian-Yong - YU, Bo - JING, Ming-Yong - XIAO, Lian-Tuan - JIA, Suo-Tang - QIN, Guo-Qing - LONG, Gui-Lu. Experimental quantum secure direct communication with single photons. In LIGHT-SCIENCE & APPLICATIONS. ISSN 2047-7538, 2016, vol. 5, e16144., Registrované v: WOS
201. [1.1] HU, Kang - WANG, Le - MAO, Qianping - SHEN, Zhigang - ZHAO, Shengmei - GRUSKA, Jozef. A quantum secret sharing scheme without monitoring signal disturbance. In OPTIK. ISSN 0030-4026, 2019, vol. 181, pp. 810-815., Registrované v: WOS
202. [1.1] HU, Xiao-Min - XING, Wen-Bo - ZHANG, Chao - LIU, Bi-Heng - PIVOLUSKA, Matej - HUBER, Marcus - HUANG, Yun-Feng - LI, Chuan-Feng - GUO, Guang-Can. Experimental creation of multi-photon high-dimensional layered quantum states. In NPJ QUANTUM INFORMATION, 2020, vol. 6, no. 1, 88., Registrované v: WOS
203. [1.1] HU, Yong-Gang. Deterministic Secure Quantum Communication with Four-qubit GHZ States. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2018, vol. 57, no. 9, pp. 2831-2842., Registrované v: WOS
204. [1.1] HWANG, Tzonelih - LIN, Tzu-Han - KAO, Shih-Hung. Quantum entanglement establishment between two strangers. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2016, vol. 15, no. 1, pp. 385-403., Registrované v: WOS
205. [1.1] CHANDA, Titas - DAS, Tamoghna - SADHUKHAN, Debasis - PAL, Amit Kumar - SEN(DE), Aditi - SEN, Ujjwal. Scale-invariant freezing of entanglement. In PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 97, no. 6, 062324., Registrované v: WOS
206. [1.1] CHANG, C. W. Sandbo - SABIN, Carlos - FORN-DIAZ, P. - QUIJANDRIA, Fernando - VADIRAJ, A. M. - NSANZINEZA, I - JOHANSSON, G. - WILSON, C. M. Observation of Three-Photon Spontaneous Parametric Down-Conversion in a Superconducting Parametric Cavity. In PHYSICAL REVIEW X. ISSN 2160-3308, 2020, vol. 10, no. 1, 011011., Registrované v: WOS
207. [1.1] CHANG, Yan - ZHANG, Shibin - YANI, Lili - HAN, Guihua - SONG, Haiquan - ZHANG, Yan - LI, Xueyang - WANG, Qirun. A Quantum Authorization Management Protocol Based on EPR-Pairs. In CMC-COMPUTERS MATERIALS & CONTINUA. ISSN 1546-2218, 2019, vol. 59, no. 3, pp. 1005-1014., Registrované v: WOS
208. [1.1] CHANG, Yan - ZHANG, Shi-Bin - YAN, Li-Li - WAN, Guo-gen. A Quantum secure sharing protocol for Cloud data based on proxy re-encryption. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2020, vol. 10, no. 1, 9074., Registrované v: WOS

209. [1.1] CHATTERJEE, Sourav - SAZIM, Sk - CHAKRABARTY, Indranil. Broadcasting of quantum correlations: Possibilities and impossibilities. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 93, no. 4, 042309., Registrované v: WOS
210. [1.1] CHATTOPADHYAY, I. - SARKAR, D. Distinguishing quantum operations. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION, 2016, vol. 14, 1640028., Registrované v: WOS
211. [1.1] CHENG, S. - HALL, M. J. W. Anisotropic Invariance and the Distribution of Quantum Correlations, In PHYSICAL REVIEW LETTERS, 2017, vol. 118, no. 1, 010401., Registrované v: WOS
212. [1.1] CHENG, Xiaogang - GUO, Ren - CHEN, Yonghong - FU, Yanjie. Improvement of a multi-layer quantum secret sharing based on GHZ state and Bell measurement. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION. ISSN 0219-7499, 2018, vol. 16, no. 6, 1850053., Registrované v: WOS
213. [1.1] CHEN, Bingren - XUE, Lide - YANG, Wei - HUANG, Liusheng. How Bob in Quantum Private Query Protocol Gets the Element? In IEEE ACCESS. ISSN 2169-3536, 2019, vol. 7, pp. 116848-116858., Registrované v: WOS
214. [1.1] CHEN, Bingren - YANG, Wei - HUANG, Liusheng. Cryptanalysis and improvement of the novel semi-quantum secret sharing scheme based on Bell states. In MODERN PHYSICS LETTERS B. ISSN 0217-9849, 2018, vol. 32, no. 25, 1850294., Registrované v: WOS
215. [1.1] CHEN, F.L. et al. Biased decoy-state measurement-device-independent quantum cryptographic conferencing with finite resources . In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION, 2016, vol. 14, 1650041., Registrované v: WOS
216. [1.1] CHEN, Jingwei - FENG, Guan-Hao - ZHANG, Hong-Hao - WEI, L. F. Fast and high-fidelity generation of photonic Greenberger-Horne-Zeilinger states in circuit QED. In COMMUNICATIONS IN THEORETICAL PHYSICS. ISSN 0253-6102, 2020, vol. 72, no. 1, 015102., Registrované v: WOS
217. [1.1] CHEN, J.-L. et al. Beyond Gisin s Theorem. In SCIENTIFIC REPORTS, 2015, vol. 5, 11624., Registrované v: WOS
218. [1.1] CHEN, Lin - HU, Mengyao. Locally maximally mixed states. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2020, vol. 19, no. 9, 305., Registrované v: WOS
219. [1.1] CHEN, Lin. The convex set containing two-qutrit maximally entangled states. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2019, vol. 18, no. 2, 46., Registrované v: WOS
220. [1.1] CHEN, Q.-Q. - XIA, Y. Joint remote preparation of an arbitrary two-qubit state via a generalized seven-qubit brown state . In LASER PHYSICS, 2016, vol. 26, 015203., Registrované v: WOS
221. [1.1] CHEN, RuiKe - BAO, WanSu - ZHOU, Chun - LI, Hongwei - WANG, Yang - BAO, HaiZe. Biased decoy-state measurement-device-independent quantum cryptographic conferencing with finite resources. In OPTICS EXPRESS. ISSN 1094-4087, 2016, vol. 24, no. 6, pp. 6594-6605., Registrované v: WOS
222. [1.1] CHEN, Shan-Shan - ZHOU, Lan - ZHONG, Wei - SHENG, Yu-Bo. Three-step three-party quantum secure direct communication. In

- SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY. ISSN 1674-7348, 2018, vol. 61, no. 9, 90312., Registrované v: WOS
223. [1.1] CHEN, Xing-Yu - YEOH, Wei-Lun - ZENG, Guo-Jyun - CHOU, Yao-Hsin. Weighted Threshold Quantum Secret Sharing based on the Chinese Remainder Theorem and the Phase Shift Operation. In 2018 IEEE INTERNATIONAL CONFERENCE ON SYSTEMS, MAN, AND CYBERNETICS (SMC). ISSN 1062-922X, 2018, pp. 1958-1963., Registrované v: WOS
224. [1.1] CHEN, Xiu-Bo - DOU, Zhao - XU, Gang - HE, Xiao-Yu - YANG, Yi-Xian. A kind of universal quantum secret sharing protocol. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2017, vol. 7, 39845., Registrované v: WOS
225. [1.1] CHEN, Xiu-Bo - SUN, Yi-Ru - XU, Gang - YANG, Yi-Xian. Quantum homomorphic encryption scheme with flexible number of evaluator based on (k, n)-threshold quantum state sharing. In INFORMATION SCIENCES. ISSN 0020-0255, 2019, vol. 501, pp. 172-181., Registrované v: WOS
226. [1.1] CHEN, Xiu-Bo - TANG, Xin - XU, Gang - DOU, Zhao - CHEN, Yu-Ling - YANG, Yi-Xian. Cryptanalysis of secret sharing with a single d-level quantum system. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2018, vol. 17, no. 9, UNSP 225., Registrované v: WOS
227. [1.1] CHEN, Yan. Splitting an arbitrary two-qubit state. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2015, vol. 54, p. 1515-1518., Registrované v: WOS
228. [1.1] CHEN, Y.-X. - DU, J. - LIU, S.-Y. - et al. Cyclic quantum teleportation, In QUANTUM INFORMATION PROCESSING, 2017, vol. 16, no. 8, UNSP 201., Registrované v: WOS
229. [1.1] CHHANGTE, Lalengmawia - CHAKRABARTY, Alok. Technique for two-dimensional nearest neighbour realisation of quantum circuits using weighted look-ahead. In IET COMPUTERS AND DIGITAL TECHNIQUES. ISSN 1751-8601, 2020, vol. 14, no. 6, pp. 281-289., Registrované v: WOS
230. [1.1] CHIRIBELLA, G. et al. Universal superreplication of unitary gates. In PHYSICAL REVIEW LETTERS, 2015, vol. 114, 120504., Registrované v: WOS
231. [1.1] CHIRIBELLA, G. - YANG, Y. Quantum superreplication of states and gates. In FRONTIERS OF PHYSICS, 2016, vol. 11, 110304., Registrované v: WOS
232. [1.1] CHOI, Minjin - LEE, Yonghae - LEE, Soojoon. Quantum secret sharing and Mermin operator. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2018, vol. 17, no. 10, UNSP 258., Registrované v: WOS
233. [1.1] CHONG-QIANG, Ye - TIAN-YU, Ye - DE, He - ZHI-GANG, Gan. Multiparty Semi-Quantum Secret Sharing with d-Level Single-Particle States. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2019, vol. 58, no. 11, pp. 3797-3814., Registrované v: WOS
234. [1.1] CHOUDHURY, Binayak S. - SAMANTA, Soumen. Bidirectional Teleportation of Three-Qubit Generalized W-States Using Multipartite Quantum Entanglement. In PHYSICS OF PARTICLES AND NUCLEI LETTERS. ISSN 1547-4771, 2019, vol. 16, no. 3, pp. 206-215., Registrované v: WOS

235. [1.1] CHOUDHURY, Binayak S. - SAMANTA, Soumen. An optional remote state preparation protocol for a four-qubit entangled state. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2019, vol. 18, no. 4, 118., Registrované v: WOS
236. [1.1] CHOUDHURY, B. S. - SAMANTA, S. A Remote State Preparation Scheme Initiated and Fixed by a Mentor. In PHYSICS OF PARTICLES AND NUCLEI LETTERS. ISSN 1547-4771, 2019, vol. 16, no. 6, pp. 608-612., Registrované v: WOS
237. [1.1] CHOUDHURY, B.S. - BINAYAK, S. - DHARA, A. Teleportation protocol of three-qubit state using four-qubit quantum channels . In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2016, vol. 55, pp. 3393-3399., Registrované v: WOS
238. [1.1] CHOU, Yao-Hsin - ZENG, Guo-Jyun - CHANG, Zhe-Hua - KUO, Shu-Yu. Dynamic Group Multi-party Quantum Key Agreement. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2018, vol. 8, 4633., Registrované v: WOS
239. [1.1] IMANY, Poolad - JARAMILLO-VILLEGAS, Jose A. - ALSHAYKH, Mohammed S. - LUKENS, Joseph M. - ODELE, Ogaga D. - MOORE, Alexandria J. - LEAIRD, Daniel E. - QI, Minghao - WEINER, Andrew M. High-dimensional optical quantum logic in large operational spaces. In NPJ QUANTUM INFORMATION. ISSN 2056-6387, 2019, vol. 5, 59., Registrované v: WOS
240. [1.1] IQBAL, Hasan - KRAWEC, Walter O. Semi-quantum cryptography. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2020, vol. 19, no. 3, 97., Registrované v: WOS
241. [1.1] JAIN, Aditya - CHAKRABARTY, Ndranil - CHATTERJEE, Sourav. Asymmetric broadcasting of quantum correlations. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 99, no. 2, 022315., Registrované v: WOS
242. [1.1] JEONG, Kabgyun - KIM, Jaewan. Secure sequential transmission of quantum information. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2015, vol. 14, no. 9, pp. 3523., Registrované v: WOS
243. [1.1] JEONG, K. - KIM, J. - LEE, S. Minimal control power of the controlled teleportation . In PHYSICAL REVIEW A, 2016, vol. 93, 032328., Registrované v: WOS
244. [1.1] JEON, Jun-Cheol. Fundamental two-party quantum secret sharing protocol. In INTERNATIONAL JOURNAL OF SECURITY AND ITS APPLICATIONS, 2015, vol. 9, p. 293-302., Registrované v: WOS
245. [1.1] JIANG, Dong - YANG, Yongkai - GUANG, Qisheng - GAO, Chaohui - CHEN, Lijun. EAVESDROPPING ON QUANTUM SECRET SHARING PROTOCOLS BASED ON RING TOPOLOGY. In QUANTUM INFORMATION & COMPUTATION. ISSN 1533-7146, 2019, vol. 19, no. 7-8, pp. 587-600., Registrované v: WOS
246. [1.1] JIANG, Li-Zhen. Semi-quantum private comparison based on Bell states. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2020, vol. 19, no. 6, 180., Registrované v: WOS
247. [1.1] JIANG, Min. An optimized quantum information splitting scheme with multiple controllers. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2016, vol. 15, no. 12, pp. 5073-5087.,

Registrované v: WOS

248. [1.1] JIANG, Y.X. - GUO, P.L. - GAO, CH.Y. - et al.

Self-error-rejecting photonic qubit transmission in polarization-spatial modes with linear optical elements, In SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY, 2017, vol. 60, no. 12, 120312., Registrované v: WOS

249. [1.1] JIANG, Y.-T. - MO, Z.-W. Comparison and Analysis of the Control Power Between Two Different Perfect Controlled Teleportation Schemes Using Four-particle Cluster State, In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2017, vol. 56, no. 10, pp. 3084-3091., Registrované v: WOS

250. [1.1] JIN, Zhao - SU, S.L. - ZHU, Ai-Dong - WANG, Hong-Fu - ZHANG, Shou. Engineering multipartite steady entanglement of distant atoms via dissipation. In FRONTIERS OF PHYSICS. ISSN 2095-0462, 2018, vol. 13, no. 5, 134209., Registrované v: WOS

251. [1.1] JI, Sai - WANG, Fang - LIU, Wen-Jie - YUAN, Xiao-Min. Twice-Hadamard-CNOT attack on Li et al.'s fault-tolerant quantum private comparison and the improved scheme. In FRONTIERS OF PHYSICS. ISSN 2095-0462, 2015, vol. 10, no. 2, pp. 192., Registrované v: WOS

252. [1.1] JI, Y. Q. - LI, H. - LIU, Y. L. - ZHANG, D. W. - ZHOU, X. J. - XIAO, R. J. - DONG, L. - XIU, X. M. Preparation of entangled states in multiple cavities. In LASER PHYSICS LETTERS. ISSN 1612-2011, 2020, vol. 17, no. 8, 085202., Registrované v: WOS

253. [1.1] JI, Y. Q. - SHAO, X. Q. - YI, X. X. Conversion of entangled states with nitrogen-vacancy centers coupled to microtoroidal resonators, In OPTICS EXPRESS, 2017, vol. 25, no. 14, pp. 15806-15817., Registrované v: WOS

254. [1.1] JI, Y. Q. - SHAO, X. Q. - Yi, X. X. Fusing atomic W states via quantum Zeno dynamics, In SCIENTIFIC REPORTS, 2017, vol. 7, 1378., Registrované v: WOS

255. [1.1] JI, ZhaoXu - ZHANG, HuanGuo - FAN, PeiRu. Two-party quantum private comparison protocol with maximally entangled seven-qubit state. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2019, vol. 34, no. 28, 1950229., Registrované v: WOS

256. [1.1] JI, ZhaoXu - ZHANG, HuanGuo - WANG, HouZhen - WU, FuSheng - JIA, JianWei - WU, WanQing. Quantum protocols for secure multi-party summation. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2019, vol. 18, no. 6, 168., Registrované v: WOS

257. [1.1] JONSSON, Robert H. - RIED, Katja - MARTIN-MARTINEZ, Eduardo - KEMPF, Achim. Transmitting qubits through relativistic fields. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2018, vol. 51, no. 48, 485301., Registrované v: WOS

258. [1.1] JOO, Jaewoo - GINOSSAR, Eran. Efficient scheme for hybrid teleportation via entangled coherent states in circuit quantum electrodynamics. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2016, vol. 6, 26338., Registrované v: WOS

259. [1.1] JOY, Dintomon - SABIR, M. - BEHERA, Bikash K. - PANIGRAHI, Prasanta K. Implementation of quantum secret sharing and quantum binary voting protocol in the IBM quantum computer. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2020, vol. 19, no. 1, 33., Registrované v: WOS

260. [1.1] JO, Yonggi - SON, Wonmin. Semi-device-independent multiparty quantum key distribution in the asymptotic limit. In OSA CONTINUUM. ISSN 2578-7519, 2019, vol. 2, no. 3, pp. 814-826., Registrované v: WOS
261. [1.1] KALAGA, J. K. - LEONSKI, W. - PERINA, J. Einstein-Podolsky-Rosen steering and coherence in the family of entangled three-qubit states. In PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 97, no. 4, 042110., Registrované v: WOS
262. [1.1] KANG, Min-Sung et al. Quantum signature scheme using a single qubit rotation operator. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2015, vol. 54, p. 614-629., Registrované v: WOS
263. [1.1] KANG, Min-Sung - HEO, Jino - HONG, Chang-Ho - YANG, Hyung-Jin - HAN, Sang-Wook - MOON, Sung. Controlled mutual quantum entity authentication with an untrusted third party. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2018, vol. 17, no. 7, UNSP 159., Registrované v: WOS
264. [1.1] KANG, Ye - GUO, Ying - FENG, Yanyan. Quantum Secret Sharing Based on Continuous-Variable GHZ States. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2020, vol. 59, no. 8, pp. 2308-2320., Registrované v: WOS
265. [1.1] KANG, Ye - GUO, Ying - ZHONG, Hai - CHEN, Guojun - JING, Xiaojun. Continuous Variable Quantum Secret Sharing with Fairness. In APPLIED SCIENCES-BASEL, 2020, vol. 10, no. 1, 189., Registrované v: WOS
266. [1.1] KANG, Ye - LIAO, Qin - GENG, Jian - GUO, Ying. Continuous Variable Quantum Secret Sharing with Chinese Remainder Theorem. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2019, vol. 58, no. 12, pp. 3986-3997., Registrované v: WOS
267. [1.1] KANG, Yi-Hao - CHEN, Ye-Hong - WU, Qi-Cheng - HUANG, Bi-Hua - SONG, Jie - XIA, Yan. Fast generation of W states of superconducting qubits with multiple Schrodinger dynamics. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2016, vol. 6, 36737., Registrované v: WOS
268. [1.1] KANG, Yi-Hao - SHI, Zhi-Cheng - HUANG, Bi-Hua - SONG, Jie - XIA, Yan. Deterministic conversions between Greenberger-Horne-Zeilinger states and W states of spin qubits via Lie-transform-based inverse Hamiltonian engineering. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 1, 012332., Registrované v: WOS
269. [1.1] KANG, Yi-Hao - XIA, Yan - LU, Pei-Min. Efficient preparation of Greenberger-Horne-Zeilinger state and W state of atoms with the help of the controlled phase flip gates in quantum nodes connected by collective-noise channels. In JOURNAL OF MODERN OPTICS. ISSN 0950-0340, 2015, vol. 62, no. 6, pp. 449., Registrované v: WOS
270. [1.1] KARIMIPOUR, V. - ASOUDEH, M. Quantum secret sharing and random hopping: Using single states instead of entanglement. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 92, no. 3, 030301., Registrované v: WOS
271. [1.1] KARIMIPOUR, V. - MEMARZADEH, L. - BORDBAR, Najmeh Tabe. Systematics of entanglement distribution by separable states. In PHYSICAL REVIEW A. ISSN 2469-9926, 2015, vol. 92, no. 3, 032325., Registrované v: WOS
272. [1.1] KHAKBIZ, Parvaneh - ASOUDEH, Marzieh. Sequential

- quantum secret sharing in noisy environments. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2019, vol. 18, no. 1, 11., Registrované v: WOS
273. [1.1] KHAZALI, Mohammadsadegh. Progress towards macroscopic spin and mechanical superposition via Rydberg interaction. In PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 98, no. 4, 043836., Registrované v: WOS
274. [1.1] KIM, Yong-Su - CHO, Young-Wook - LIM, Hyang-Tag - HAN, Sang-Wook. Efficient linear optical generation of a multipartite W state via a quantum eraser. In PHYSICAL REVIEW A. ISSN 2469-9926, 2020, vol. 101, no. 2, 022337., Registrované v: WOS
275. [1.1] KIM, Yong-Su - PRAMANIK, Tanumoy - CHO, Young-Wook - YANG, Ming - HAN, Sang-Wook - LEE, Sang-Yun - KANG, Min-Sung - MOON, Sung. Informationally symmetrical Bell state preparation and measurement. In OPTICS EXPRESS. ISSN 1094-4087, 2018, vol. 26, no. 22, pp. 29539-29549., Registrované v: WOS
276. [1.1] KOGIAS, Ioannis - XIANG, Yu - HE, Qiongyi - ADESSO, Gerardo. Unconditional security of entanglement-based continuous-variable quantum secret sharing. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 95, no. 1, 012315., Registrované v: WOS
277. [1.1] KRONBERG, D. A. Role of collective preparation and measurement of states in some quantum communication protocols. In QUANTUM ELECTRONICS. ISSN 1063-7818, 2020, vol. 50, no. 5, pp. 461-468., Registrované v: WOS
278. [1.1] KUMAR, Abhijeet - HADDADI, Saeed - POURKARIMI, Mohammad Reza - BEHERA, Bikash K. - PANIGRAHI, Prasanta K. Experimental realization of controlled quantum teleportation of arbitrary qubit states via cluster states. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2020, vol. 10, no. 1, 13608., Registrované v: WOS
279. [1.1] LAI, Hong et al. Dynamic (2,3) threshold quantum secret sharing. In COMMUNICATIONS IN THEORETICAL PHYSICS, 2015, vol. 63, p. 459-465., Registrované v: WOS
280. [1.1] LAI, Hong - LUO, Ming-Xing - PIEPRZYK, Josef - TAO, Li - LIU, Zhi-Ming - ORGUN, Mehmet A. Large-Capacity Three-Party Quantum Digital Secret Sharing Using Three Particular Matrices Coding. In COMMUNICATIONS IN THEORETICAL PHYSICS. ISSN 0253-6102, 2016, vol. 66, no. 5, pp. 501-508., Registrované v: WOS
281. [1.1] LAI, Hong - LUO, Ming-Xing - XU, Yong-Jian - PIEPRZYK, Josef - ZHANG, Jun - PAN, Lei - ORGUN, Mehmet A. A Quantum Secret Sharing Scheme Using Orbital Angular Momentum onto Multiple Spin States Based on Fibonacci Compression Encoding. In COMMUNICATIONS IN THEORETICAL PHYSICS. ISSN 0253-6102, 2018, vol. 70, no. 4, pp. 384-390., Registrované v: WOS
282. [1.1] LAI, Hong - PIEPRZYK, Josef - LUO, Ming-Xing - ZHAN, Cheng - PAN, Lei - ORGUN, Mehmet A. High-capacity (2,3) threshold quantum secret sharing based on asymmetric quantum lossy channels. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2020, vol. 19, no. 5, 157., Registrované v: WOS
283. [1.1] LAI, H. et al. Hybrid threshold adaptable quantum secret sharing scheme with reverse Huffman-Fibonacci-tree coding . In SCIENTIFIC REPORTS, 2016, vol. 6, 31350., Registrované v: WOS

284. [1.1] LASOTA, Mikolaj - KOLENDERSKI, Piotr. Optimal photon pairs for quantum communication protocols. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2020, vol. 10, no. 1, 20810., Registrované v: WOS
285. [1.1] LAWRENCE, J. Mermin inequalities for perfect correlations in many-qutrit systems, In PHYSICAL REVIEW A, 2017, vol. 95, no. 4, 042123., Registrované v: WOS
286. [1.1] LEE, Sang Min - LEE, Seung-Woo - JEONG, Hyunseok - PARK, Hee Su. Quantum Teleportation of Shared Quantum Secret. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2020, vol. 124, no. 6, 060501., Registrované v: WOS
287. [1.1] LI DONG-FEN - WANG RUI-JIN - ZHANG FENG-LI. Quantum information splitting of a two-qubit Bell state using a four-qubit entangled state. In CHINESE PHYSICS C. ISSN 1674-1137, 2015, vol. 39, no. 4, 043103., Registrované v: WOS
288. [1.1] LIANG, Hua-Qiu - LIU, Jin-Ming - FENG, Shang-Shen - CHEN, Ji-Gen - XU, Xin-Ye. Effects of noises on joint remote state preparation via a GHZ-class channel. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2015, vol. 14, no. 10, pp. 3857., Registrované v: WOS
289. [1.1] LIANG, Lei-Xia - ZHENG, Yan-Yan - ZHANG, Yuan-Xia - ZHANG, Mei. Error-detected N-photon cluster state generation based on the controlled-phase gate using a quantum dot in an optical microcavity. In FRONTIERS OF PHYSICS. ISSN 2095-0462, 2020, vol. 15, no. 2, 21601., Registrované v: WOS
290. [1.1] LIANG, Xiang-Qian - WU, Yu-Liang - ZHANG, Yong-Hua - WANG, Sha-Sha - XU, Guang-Bao. Quantum Multi-proxy Blind Signature Scheme Based on Four-Qubit Cluster States. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2019, vol. 58, no. 1, pp. 31-39., Registrované v: WOS
291. [1.1] LIANG, Xiao-Bin - LI, Bo - FEI, Shao-Ming. Complete characterization of qubit masking. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 3, 030304., Registrované v: WOS
292. [1.1] LIANG, Xiao-Bin - LI, Bo - FEI, Shao-Ming - FAN, Heng. Impossibility of masking a set of quantum states of nonzero measure. In PHYSICAL REVIEW A. ISSN 2469-9926, 2020, vol. 101, no. 4, 042321., Registrované v: WOS
293. [1.1] LIANG, Yan - SU, Shi-Lei - WU, Qi-Cheng - JI, Xin - ZHANG, Shou. Adiabatic passage for three-dimensional entanglement generation through quantum Zeno dynamics. In OPTICS EXPRESS. ISSN 1094-4087, 2015, vol. 23, no. 4, pp. 5064., Registrované v: WOS
294. [1.1] LIM, Youngrong - KIM, Jaewan - LEE, Soojoon - JEONG, Kabgyun. Maximally entangled states in discrete and Gaussian regimes. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2019, vol. 18, no. 2, 43., Registrované v: WOS
295. [1.1] LIN QING. Optical parity gate and a wide range of entangled states generation. In SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY. ISSN 1674-7348, 2015, vol. 58, no. 4, 044201., Registrované v: WOS
296. [1.1] LIN, Jing-bo - LIANG, Yan - SONG, Chong - JI, Xin - ZHANG, Shou. Generation of 3D entanglement between two spatially separated atoms via shortcuts to adiabatic passage. In JOURNAL OF THE OPTICAL

- SOCIETY OF AMERICA B-OPTICAL PHYSICS. ISSN 0740-3224, 2016, vol. 33, no. 4, pp. 519-524., Registrované v: WOS
297. [1.1] LIN, J.-Z. Efficient Preparation and Nondestructive Analysis of Photon and Spin Entangled States with Double-Sided Cavity and Nitrogen-Vacancy Center Coupled System, In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2017, vol. 56, no. 2, pp. 456-479., Registrované v: WOS
298. [1.1] LIN, Po-Hua - HWANG, Tzonelih - TSAI, Chia-Wei. Efficient semi-quantum private comparison using single photons. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2019, vol. 18, no. 7, 207., Registrované v: WOS
299. [1.1] LIN, Po-Hua - TSAI, Chia-Wei - HWANG, Tzonelih. Mediated Semi-Quantum Key Distribution Using Single Photons. In ANNALEN DER PHYSIK. ISSN 0003-3804, 2019, vol. 531, no. 8, 1800347., Registrované v: WOS
300. [1.1] LIN, S. et al. Cryptoanalysis of quantum secret sharing with d-level single particles . In PHYSICAL REVIEW A, 2016, vol. 93, 062343., Registrované v: WOS
301. [1.1] LIN, Xiang - XU, Juan - LIU, Hu - TANG, Xuwei - FU, Maomao. A High-Capacity Quantum Secret Sharing Protocol Based on Single D-Level Particles. In CLOUD COMPUTING AND SECURITY, PT II. ISSN 0302-9743, 2017, vol. 10603, pp. 138-146., Registrované v: WOS
302. [1.1] LIPINSKA, Victoria - MURTA, Glaucia - RIBEIRO, Jeremy - WEHNER, Stephanie. Verifiable hybrid secret sharing with few qubits. In PHYSICAL REVIEW A. ISSN 2469-9926, 2020, vol. 101, no. 3, 032332., Registrované v: WOS
303. [1.1] LIU, Bin et al. Controlling the key by choosing the detection bits. In SCIENCE CHINA-INFORMATION SCIENCE, 2015, vol. 58, 112110., Registrované v: WOS
304. [1.1] LIU, Bin - GAO, Zhifeng - XIAO, Di - HUANG, Wei - ZHANG, Zhiqing - XU, Bingjie. Quantum Identity Authentication in the Counterfactual Quantum Key Distribution Protocol. In ENTROPY, 2019, vol. 21, no. 5, 518., Registrované v: WOS
305. [1.1] LIU, Bin - GAO, Zhifeng - XIAO, Di - HUANG, Wei - LIU, Xingbin - XU, Bingjie. Quantum identity authentication in the orthogonal-state-encoding QKD system. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2019, vol. 18, no. 5, 137., Registrované v: WOS
306. [1.1] LIU, Bin - GAO, Zhi-Feng - XIAO, Di - HUANG, Wei - ZHANG, Zhi-Qing - LI, Yang - XU, Bing-Jie. QKD-Based Quantum Private Query Protocol in the Single-Photon Interference Communication System. In IEEE ACCESS. ISSN 2169-3536, 2019, vol. 7, pp. 104749-104758., Registrované v: WOS
307. [1.1] LIU, Bin - XIAO, Di - JIA, Heng-Yue - LIU, Run-Zong. Collusive attacks to "circle-type" multi-party quantum key agreement protocols. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2016, vol. 15, no. 5, pp. 2113-2124., Registrované v: WOS
308. [1.1] LIU, Fen - ZHANG, Xin - XU, Peng-Ao - HE, Zhen-Xing - MA, Hong-Yang. A Quantum Dialogue Protocol in Discrete-time Quantum Walk Based on Hyperentangled States. In INTERNATIONAL JOURNAL OF

- THEORETICAL PHYSICS. ISSN 0020-7748, 2020, vol. 59, no. 11, pp. 3491-3507., Registrované v: WOS
309. [1.1] LIU, Feng - GAO, Dong-Mei - CAI, Xiao-Qiu. Tighter Superadditivity Relations in Multiqubit Systems. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2019, vol. 58, no. 10, pp. 3589-3593., Registrované v: WOS
310. [1.1] LIU, Hao-Wen - WANG, Fei - LI, Hui-Ran - DENG, Yun - LUO, Ming-Xing. Optimal bipartite entanglement transfer and photonic implementations. In OPTICS COMMUNICATIONS. ISSN 0030-4018, 2015, vol. 334, no., pp. 273., Registrované v: WOS
311. [1.1] LIU, Hongwei - MA, Haiqiang - WEI, Kejin - YANG, Xiuqing - QU, Wenxiu - DOU, Tianqi - CHEN, Yitian - LI, Ruixue - ZHU, Wu. Multi-group dynamic quantum secret sharing with single photons. In PHYSICS LETTERS A. ISSN 0375-9601, 2016, vol. 380, no. 31-32, pp. 2349-2353., Registrované v: WOS
312. [1.1] LIU, Huan-Juan - FAN, Lin-Lin - XIA, Yan - SONG, Jie. Efficient entanglement concentration for partially entangled cluster states with weak cross-Kerr nonlinearity. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2015, vol. 14, no. 8, pp. 2909., Registrované v: WOS
313. [1.1] LIU, Huan-Juan - XIA, Yan - SONG, Jie. Efficient hyperentanglement concentration for N-particle Greenberger-Horne-Zeilinger state assisted by weak cross-Kerr nonlinearity. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2016, vol. 15, no. 5, pp. 2033-2052., Registrované v: WOS
314. [1.1] LIU, Cheng-Ji - LI, Zhi-Hui - BAI, Chen-Ming - SI, Meng-Meng. Quantum-Secret-Sharing Scheme Based on Local Distinguishability of Orthogonal Seven-Qudit Entangled States. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2018, vol. 57, no. 2, pp. 428-442., Registrované v: WOS
315. [1.1] LIU, Lin - TANG, Guang-Ming - SUN, Yi-Feng - YAN, Shu-Fan. Quantum Steganography for Multi-party Covert Communication. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2016, vol. 55, no. 1, pp. 191-201., Registrované v: WOS
316. [1.1] LIU, Li-Juan - LI, Zhi-Hui - HAN, Zhao-Wei - ZHI, Dan-Li. A quantum secret sharing scheme with verifiable function. In EUROPEAN PHYSICAL JOURNAL D. ISSN 1434-6060, 2020, vol. 74, no. 7, 154., Registrované v: WOS
317. [1.1] LIU, Lu - NIU, Jia-Lei - FAN, Chen-Rui - FENG, Xue-Ting - WANG, Chuan. High-dimensional measurement-device-independent quantum secure direct communication. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2020, vol. 19, no. 11, 404., Registrované v: WOS
318. [1.1] LIU, L. - GAO, T. - YAN, F.L. Separability criteria via some classes of measurements, In SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY, 2017, vol. 60, no. 10, 100311., Registrované v: WOS
319. [1.1] LIU, Qian - SONG, Guo-Zhu - QIU, Tian-Hui - ZHANG, Xiao-Min - MA, Hong-Yang - ZHANG, Mei. Hyperentanglement concentration of nonlocal two-photon six-qubit systems via the cross-Kerr nonlinearity. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2020, vol. 10, no. 1, 21444., Registrované v: WOS
320. [1.1] LIU, Q. et al. Complete nondestructive analysis of two-photon

six-qubit hyperentangled Bell states assisted by cross-Kerr nonlinearity . In SCIENTIFIC REPORTS, 2016, vol. 6, 22016., Registrované v: WOS

321. [1.1] LIU, Ren-Ju - BAI, Ming-Qiang - WU, Fan - ZHANG, Yu-Chun. Cyclic-controlled quantum operation teleportation in noisy environment. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION. ISSN 0219-7499, 2019, vol. 17, no. 7., Registrované v: WOS

322. [1.1] LIU, Tang-Kun - TAO, Yu - SHAN, Chuan-Jia - LIU, Ji-Bing. Entropy of field interacting with two two-qubit atoms. In CHINESE PHYSICS B. ISSN 1674-1056, 2018, vol. 27, no. 9, 090303., Registrované v: WOS

323. [1.1] LIU, Tong - SU, Qi-Ping - ZHANG, Yu - FANG, Yu-Liang - YANG, Chui-Ping. Generation of quantum entangled states of multiple groups of qubits distributed in multiple cavities. In PHYSICAL REVIEW A. ISSN 2469-9926, 2020, vol. 101, no. 1, 012337., Registrované v: WOS

324. [1.1] LIU, Wenjie - GAO, Peipei - LIU, Zhihao - CHEN, Hanwu - ZHANG, Maojun. A Quantum-Based Database Query Scheme for Privacy Preservation in Cloud Environment. In SECURITY AND COMMUNICATION NETWORKS. ISSN 1939-0114, 2019, UNSP 4923590., Registrované v: WOS

325. [1.1] LIU, Wenjie - XU, Yinsong - ZHANG, Maojun - CHEN, Junxiu - YANG, Ching-Nung. A Novel Quantum Visual Secret Sharing Scheme. In IEEE ACCESS. ISSN 2169-3536, 2019, vol. 7, pp. 114374-114384., Registrované v: WOS

326. [1.1] LIU, Wenjie - XU, Yinsong - CHEN, Junxiu - YANG, Ching-Nung. A (t, n) threshold quantum visual secret sharing. In INTERNATIONAL JOURNAL OF SENSOR NETWORKS. ISSN 1748-1279, 2020, vol. 33, no. 2, pp. 74-84., Registrované v: WOS

327. [1.1] LIU, Wen-Jie - CHEN, Zheng-Fei - LIU, Chao - ZHENG, Yu. Improved Deterministic N-To-One Joint Remote Preparation of an Arbitrary Qubit via EPR Pairs. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2015, vol. 54, no. 2, pp. 472., Registrované v: WOS

328. [1.1] LIU, Wen-Jie - WANG, Hai-Bin - YUAN, Gong-Lin - XU, Yong - CHEN, Zhen-Yu - AN, Xing-Xing - JI, Fu-Gao - GNITOU, Gnim Tchelim. Multiparty quantum sealed-bid auction using single photons as message carrier. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2016, vol. 15, no. 2, pp. 869-879., Registrované v: WOS

329. [1.1] LIU, Wen-Jie - XU, Yong - YANG, Ching-Nung - GAO, Pei-Pei - YU, Wen-Bin. An Efficient and Secure Arbitrary N-Party Quantum Key Agreement Protocol Using Bell States. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2018, vol. 57, no. 1, pp. 195-207., Registrované v: WOS

330. [1.1] LIU, W.-J. - CHEN, Z.-Y. - JI, S. - et al. Multi-party Semi-quantum Key Agreement with Delegating Quantum Computation, In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2017, vol. 56, no. 10, pp. 3164-3174., Registrované v: WOS

331. [1.1] LIU, Xia - CAO, LianZhen - ZHAO, JiaQiang - YANG, Yang - LI, Yingde - LU, Huaixin. Experimental investigation and robustness of Ardehali inequality in four-photon six-qubit Greenberger-Horne-Zeilinger state. In JOURNAL OF MODERN OPTICS. ISSN 0950-0340, 2016, vol. 63, no. 8, pp. 788-792., Registrované v: WOS

332. [1.1] LIU, Xiao-Fen. Cryptanalysis and Improvement of a Multiparty Quantum Direct Secret Sharing of Classical Messages with Bell States and Bell

Measurements. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2019, vol. 58, no. 3, pp. 713-718., Registrované v: WOS

333. [1.1] LIU, Yang - HUANG, Junfeng - CAI, Shu - OUYANG, Xiaoping. Electric simulation of silicon drift detector for single photon measurement. In EPL. ISSN 0295-5075, 2020, vol. 130, no. 5, 50006., Registrované v: WOS

334. [1.1] LIU, Y. - KUANG, S. - CONG, S. Lyapunov-Based Feedback Preparation of GHZ Entanglement of N-Qubit Systems, In IEEE TRANSACTIONS ON CYBERNETICS, 2017, vol. 47, no. 11, pp. 3827-3839., Registrované v: WOS

335. [1.1] LIU, Y. - LIANG, S. L. - JIN, G. R. - YU, Y. B. - CHEN, A. X. Einstein-Podolsky-Rosen steering in spontaneous parametric down-conversion cascaded with a sum-frequency generation. In PHYSICAL REVIEW A. ISSN 2469-9926, 2020, vol. 102, no. 5, 052214., Registrované v: WOS

336. [1.1] LIU, Y. - LIANG, S. L. - JIN, G. R. - YU, Y. B. Genuine tripartite Einstein-Podolsky-Rosen steering in the cascaded nonlinear processes of third-harmonic generation. In OPTICS EXPRESS. ISSN 1094-4087, 2020, vol. 28, no. 3, pp. 2722-2731., Registrované v: WOS

337. [1.1] LIU, Zhihao - CHEN, Han-Wu - LIU, Wenjie. Passive attack to the controlled secure direct communication with seven-qubit entangled states protocol. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2020, vol. 35, no. 1, 1950343., Registrované v: WOS

338. [1.1] LIU, Zi-Chao - HONG, Jian-Song - GUO, Jia-Jie - LI, Tao - AI, Qing - ALSAEDI, Ahmed - HAYAT, Tasawar - DENG, Fu-Guo. Entanglement Purification of Nonlocal Quantum-Dot-Confined Electrons Assisted by Double-Sided Optical Microcavities. In ANNALEN DER PHYSIK. ISSN 0003-3804, 2018, vol. 530, no. 4, 1800029., Registrované v: WOS

339. [1.1] LI, Bo - JIANG, Shu-han - LIANG, Xiao-Bin - LI-JOST, Xianqing - FAN, Heng - FEI, Shao-Ming. Deterministic versus probabilistic quantum information masking. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 99, no. 5, 052343., Registrované v: WOS

340. [1.1] LI, Dong-fen - WANG, Rui-jin - ZHANG, Feng-li - DENG, Fu-hu - BAAGYERE, Edward. Quantum information splitting of arbitrary two-qubit state by using four-qubit cluster state and Bell-state. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2015, vol. 14, no. 3, pp. 1103., Registrované v: WOS

341. [1.1] LI, Dong-fen - WANG, Rui-jin - ZHANG, Feng-li - DENG, Fu-hu. Quantum Information Splitting of Arbitrary Three-Qubit State by Using Seven-Qubit Entangled State. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2015, vol. 54, no. 6, pp. 2068., Registrované v: WOS

342. [1.1] LI, Dong-fen - WANG, Rui-jin - ZHANG, Feng-li - QIN, Zhi-guang - BAAGYERE, Edward. Splitting Unknown Qubit State Using Five-Qubit Entangled State. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2016, vol. 55, no. 4, pp. 1962-1972., Registrované v: WOS

343. [1.1] LI, Dong-fen - WANG, Rui-jin - BAAGYERE, Edward. Quantum teleportation of an arbitrary two-qubit state by using two three-qubit GHZ states and the six-qubit entangled state. In QUANTUM INFORMATION

- PROCESSING. ISSN 1570-0755, 2019, vol. 18, no. 5, 147., Registrované v: WOS
344. [1.1] LI, Heng-Ji - LI, Jian - XIANG, Nan - ZHENG, Yan - YANG, Yu-Guang - NASERI, Mosayeb. A new kind of universal and flexible quantum information splitting scheme with multi-coin quantum walks. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2019, vol. 18, no. 10, 316., Registrované v: WOS
345. [1.1] LI, Hong-Mei - SU, Xue-Mei. Robustness of qubit-qudit entanglement under decoherence. In EUROPEAN PHYSICAL JOURNAL D. ISSN 1434-6060, 2019, vol. 73, no. 3, 56., Registrované v: WOS
346. [1.1] LI, Hui-Ran - LUO, Ming-Xing - LAI, Hong. Generalized quantum no-go theorems of pure states. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2018, vol. 17, no. 7., Registrované v: WOS
347. [1.1] LI, Chaoyang - CHEN, Xiubo - LI, Hengji - YANG, Yuguang - LI, Jian. Efficient quantum private comparison protocol based on the entanglement swapping between four-qubit cluster state and extended Bell state. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2019, vol. 18, no. 5, 158., Registrované v: WOS
348. [1.1] LI, Che-Ming - CHEN, Yueh-Nan - LAMBERT, Neill - CHIU, Ching-Yi - NORI, Franco. Certifying single-system steering for quantum-information processing. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 92, no. 6, 062310., Registrované v: WOS
349. [1.1] LI, Che-Ming - CHEN, Kai - CHEN, Yueh-Nan - ZHANG, Qiang - CHEN, Yu-Ao - PAN, Jian-Wei. Genuine High-Order Einstein-Podolsky-Rosen Steering. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 115, no. 1, 010402., Registrované v: WOS
350. [1.1] LI, Jian - ZHOU, Zhengyan - WANG, Na - TIAN, Yuan - YANG, Yu-Guang - ZHENG, Yan. Deterministic Quantum Secure Direct Communication Protocol Based on Hyper-Entangled State. In IEEE ACCESS. ISSN 2169-3536, 2019, vol. 7, pp. 43948-43955., Registrované v: WOS
351. [1.1] LI, Jian-Qiang - CHEN, Xiu-Bo - YANG, Yi-Xian. Quantum state representation based on combinatorial Laplacian matrix of star-relevant graph. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2015, vol. 14, no. 12, pp. 4691., Registrované v: WOS
352. [1.1] LI, Jiu-Ming - HUA, Ming - YAN, Xue-Qun. NOON State Generation with Phonons in Acoustic Wave Resonators Assisted by a Nitrogen-Vacancy-Center Ensemble. In ANNALEN DER PHYSIK. ISSN 0003-3804, 2019, vol. 531, no. 2, 1800430., Registrované v: WOS
353. [1.1] LI, Kangkang - CAI, Yin - WU, Ji - LIU, Yuliang - XIONG, Siqi - LI, Yameng - ZHANG, Yanpeng. Three-Body Topology Entanglement Generation via a Six-Wave Mixing: Competing and Coexisting of Linear and Nonlinear Optics Responses in Triphoton Temporal Correlation. In ADVANCED QUANTUM TECHNOLOGIES, 2020, vol. 3, no. 5, UNSP 1900119., Registrované v: WOS
354. [1.1] LI, Kangkang - FENG, Yuan - LI, Xinghua - GU, Bingling - CAI, Yin - ZHANG, Yanpeng. Generation of Competitive and Coexisting Two Pairs of Biphotons in Single Hot Atomic Vapor Cell. In ANNALEN DER PHYSIK. ISSN 0003-3804, 2020, vol. 532, no. 8, 2000283., Registrované v: WOS
355. [1.1] LI, Lei - LI, Zhi. A verifiable multiparty quantum key

- agreement based on bivariate polynomial. In INFORMATION SCIENCES. ISSN 0020-0255, 2020, vol. 521, no., pp. 343-349., Registrované v: WOS
356. [1.1] LI, Mao-Sheng - MODI, Kavan. Probabilistic and approximate masking of quantum information. In PHYSICAL REVIEW A. ISSN 2469-9926, 2020, vol. 102, no. 2, 022418., Registrované v: WOS
357. [1.1] LI, Mao-Sheng - WANG, Yan-Ling. Masking quantum information in multipartite scenario. In PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 98, no. 6, 062306., Registrované v: WOS
358. [1.1] LI, Mao-Sheng - WANG, Yan-Ling. k-uniform quantum states arising from orthogonal arrays. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 99, no. 4, 042332., Registrované v: WOS
359. [1.1] LI, Ming - FEI, Shao-Ming - LI-JOST, Xianqing - FAN, Heng. Genuine multipartite entanglement detection and lower bound of multipartite concurrence. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 92, no. 6, 062338., Registrované v: WOS
360. [1.1] LI, Ming - QIN, Huihui - ZHANG, Chengjie - SHEN, Shuqian - FEI, Shao-Ming - FAN, Heng. Characterizing multipartite entanglement by violation of CHSH inequalities. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2020, vol. 19, no. 5, 142., Registrované v: WOS
361. [1.1] LI, M. - JIA, L. - WANG, J. - et al. Measure and detection of genuine multipartite entanglement for tripartite systems, In PHYSICAL REVIEW A, 2017, vol. 96, no. 5, 052314., Registrované v: WOS
362. [1.1] LI, M. - WANG, J. - SHEN, S. - et al. Detection and measure of genuine tripartite entanglement with partial transposition and realignment of density matrices, In SCIENTIFIC REPORTS, 2017, vol. 7, 17274., Registrované v: WOS
363. [1.1] LI, M. - ZHAO, N. - CHEN, N. - et al. Quantum Teleportation of Five-qubit State, In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2017, vol. 56, no. 9, pp. 2710-2715., Registrované v: WOS
364. [1.1] LI, Na. Realizing and efficient fusion gate. In QUANTUM INFORMATION PROCESSING, 2015, vol. 14, p. 1933-1946., Registrované v: WOS
365. [1.1] LI, Qiting - CUI, Jianlian - WANG, Shuhao - LONG, Gui-Lu. Study of a monogamous entanglement measure for three-qubit quantum systems. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2016, vol. 15, no. 6, pp. 2405-2424., Registrované v: WOS
366. [1.1] LI, Taichao - WANG, Xu - JIANG, Min. Quantum Key Agreement Via Non-maximally Entangled Cluster States. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2020., Registrované v: WOS
367. [1.1] LI, Tao - GAO, Zikai - LI, Zhenhua. Measurement-device-independent quantum secure direct communication: Direct quantum communication with imperfect measurement device and untrusted operator. In EPL. ISSN 0295-5075, 2020, vol. 131, no. 6, 60001., Registrované v: WOS
368. [1.1] LI, Tao - MIRANOWICZ, Adam - XIA, Keyu - NORI, Franco. Resource-efficient analyzer of Bell and Greenberger-Horne-Zeilinger states of multiphoton systems. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 5, 052302., Registrované v: WOS

369. [1.1] LI, Tao - WANG, Guan-Yu - DENG, Fu-Guo - LONG, Gui-Lu. Deterministic error correction for nonlocal spatial-polarization hyperentanglement. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2016, vol. 6, 20677., Registrované v: WOS
370. [1.1] LI, Tao - WANG, Zhenkai - XIA, Keyu. Multipartite quantum entanglement creation for distant stationary systems. In OPTICS EXPRESS. ISSN 1094-4087, 2020, vol. 28, no. 2, pp. 1316-1329., Registrované v: WOS
371. [1.1] LI, Tao - YANG, Guo-Jian - DENG, Fu-Guo. Heralded quantum repeater for a quantum communication network based on quantum dots embedded in optical microcavities. In PHYSICAL REVIEW A. ISSN 1050-2947, 2016, vol. 93, no. 1, 012302., Registrované v: WOS
372. [1.1] LI, Wei - ZHAO, Shengmei. Bell's inequality tests via correlated diffraction of high-dimensional position-entangled two-photon states. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2018, vol. 8, 4812., Registrované v: WOS
373. [1.1] LI, Wei - ZHA, Xin-Wei - YU, Yan. Secure Quantum Dialogue Protocol Based On Four-Qubit Cluster State. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2018, vol. 57, no. 2, pp. 371-380., Registrované v: WOS
374. [1.1] LI, W. - CHEN, H. - LIU, Z. Deterministic Joint Remote Preparation of Arbitrary Four-Qubit Cluster-Type State Using EPR Pairs, In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2017, vol. 56, no. 2, pp. 351-361., Registrované v: WOS
375. [1.1] LI, Xi-Han - GHOSE, Shohini. Hyperentanglement concentration for time-bin and polarization hyperentangled photons. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 91, no. 6, 062302., Registrované v: WOS
376. [1.1] LI, Xi-Han - GHOSE, Shohini. Analysis of N-qubit perfect controlled teleportation schemes from the controller's point of view. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 91, no. 1, 012320., Registrované v: WOS
377. [1.1] LI, Xi-Han - GHOSE, Shohini. Self-assisted complete maximally hyperentangled state analysis via the cross-Kerr nonlinearity. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 93, no. 2, 022302., Registrované v: WOS
378. [1.1] LI, Xi-Han. Quantum secure direct communication. In ACTA PHYSICA SINICA, 2015, vol. 64, 160307., Registrované v: WOS
379. [1.1] LI, Xue-Yang - CHANG, Yan - ZHANG, Shi-Bin. Quantum Secret Sharing Scheme with Credible Authentication based on Quantum Walk. In KSII TRANSACTIONS ON INTERNET AND INFORMATION SYSTEMS. ISSN 1976-7277, 2020, vol. 14, no. 7, pp. 3116-3133., Registrované v: WOS
380. [1.1] LI, X.-H. - GHOSE, S. Complete hyperentangled Bell state analysis for polarization . In OPTICS EXPRESS, 2016, vol. 24, p. 18388., Registrované v: WOS
381. [1.1] LI, Yuan-hua - LI, Xiao-lan - WANG, Zi-sheng. Quantum Information Splitting of an Arbitrary Three-Ion State in Ion-Trap System. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2015, vol. 54, no. 10, pp. 3850., Registrované v: WOS
382. [1.1] LI, Zheng-Hong - ZUBAIRY, M. Suhail - AL-AMRI, M. Quantum Secure Group Communication. In SCIENTIFIC REPORTS. ISSN

- 2045-2322, 2018, vol. 8, 3899., Registrované v: WOS
383. [1.1] LI, Zhulin - LI, Qin - LIU, Chengdong - PENG, Yu - CHAN, Wai Hong - LI, Lvzhou. Limited resource semiquantum secret sharing. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2018, vol. 17, no. 10, UNSP 285., Registrované v: WOS
384. [1.1] LOMBARDO, D. Deterministic creation of macroscopic cat states. In SCIENTIFIC REPORTS, 2015, vol. 5, 13884., Registrované v: WOS
385. [1.1] LONG YINXIANG - SHAO ZHONGLIANG. Bidirectional controlled quantum teleportation by a genuine entangled 9-qubit state. In SCIENTIA SINICA-PHYSICA MECHANICA & ASTRONOMICA. ISSN 1674-7275, 2019, vol. 49, no. 7, 070301., Registrované v: WOS
386. [1.1] LONG, G.-L. Quantum Secure Direct Communication: principles, current status, perspectives, In Conference: IEEE 85th Vehicular Technology Conference (VTC Spring) Location: Sydney, AUSTRALIA Date: JUN 04-07, 2017, Sponsor(s): IEEE; IEEE Vehicular Technol Soc, 2017 IEEE 85TH VEHICULAR TECHNOLOGY CONFERENCE (VTC SPRING), Book Series: IEEE Vehicular Technology Conference Proceedings., Registrované v: WOS
387. [1.1] LU YIN-JU. Quantum Secret Sharing via Cavity QED. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2020, vol. 59, no. 10, pp. 3324-3328., Registrované v: WOS
388. [1.1] LUO JUN-WEN - WU DE-WEI - MIAO QIANG - WEI TIAN-LI. Research progress in non-classical microwave states preparation based on cavity optomechanical system. In ACTA PHYSICA SINICA. ISSN 1000-3290, 2020, vol. 69, no. 5, 054203., Registrované v: WOS
389. [1.1] LUO, Ming-Xing - DENG, Yun - LI, Hui-Ran - WANG, Xiaojun. Generations of N-atom GHZ state and atom W state assisted by quantum dots in optical microcavities. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2015, vol. 14, no. 10, pp. 3661., Registrované v: WOS
390. [1.1] LUO, Ming-Xing - MA, Song-Ya - CHEN, Xiu-Bo - WANG, Xiaojun. Hybrid quantum-state joining and splitting assisted by quantum dots in one-side optical microcavities. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 91, no. 4, 042326., Registrované v: WOS
391. [1.1] LU, He - HUANG, Chien-Ying - LI, Zheng-Da - YIN, Xu-Fei - ZHANG, Rui - LIAO, Teh-Lu - CHEN, Yu-Ao - LI, Che-Ming - PAN, Jian-Wei. Counting Classical Nodes in Quantum Networks. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2020, vol. 124, no. 18, 180503., Registrované v: WOS
392. [1.1] LU, Changbin - MIAO, Fuyou - HOU, Junpeng - MENG, Keju. Verifiable threshold quantum secret sharing with sequential communication. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2018, vol. 17, no. 11, UNSP 310., Registrované v: WOS
393. [1.1] LU, Changbin - MIAO, Fuyou - MENG, Keju - YU, Yue. Threshold quantum secret sharing based on single qubit. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2018, vol. 17, no. 3, UNSP 64., Registrované v: WOS
394. [1.1] LU, Changbin - MIAO, Fuyou - HOU, Junpeng - SU, Zhaofeng - XIONG, Yan. Quantum multiparty cryptosystems based on a homomorphic random basis encryption. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2020, vol. 19, no. 9, 293., Registrované v: WOS

395. [1.1] LU, Changbin - MIAO, Fuyou - HOU, Junpeng - HUANG, Wenchao - XIONG, Yan. A verifiable framework of entanglement-free quantum secret sharing with information-theoretical security. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2020, vol. 19, no. 1, 24., Registrované v: WOS
396. [1.1] LU, Lu-Cong - WANG, Guan-Yu - REN, Bao-Cang - ZHANG, Mei - DENG, Fu-Guo. Heralded entanglement purification protocol using high-fidelity parity-check gate based on nitrogen-vacancy center in optical cavity. In CHINESE PHYSICS B. ISSN 1674-1056, 2020, vol. 29, no. 1, 010305., Registrované v: WOS
397. [1.1] LU, Mei - ZHANG, Chun-Ling - ZHANG, Bin - LIN, Wen-Shuo. Shortcuts to adiabatic passage for the generation of maximally entangle states in a distributed atom-cavity system. In LASER PHYSICS LETTERS. ISSN 1612-2011, 2019, vol. 16, no. 4, 045206., Registrované v: WOS
398. [1.1] LV, Shu-Xin - JIAO, Xian-Fang - ZHOU, Ping. Multiparty Quantum Computation for Summation and Multiplication with Mutually Unbiased Bases. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2019, vol. 58, no. 9, pp. 2872-2882., Registrované v: WOS
399. [1.1] MA SONG-YA - GAO CONG - LUO MING-XING. Efficient schemes of joint remote preparation with a passive receiver via EPR pairs. In CHINESE PHYSICS B. ISSN 1674-1056, 2015, vol. 24, no. 11, 110308., Registrované v: WOS
400. [1.1] MACRI, Vincenzo - NORI, Franco - KOCKUM, Anton Frisk. Simple preparation of Bell and Greenberger-Horne-Zeilinger states using ultrastrong-coupling circuit QED. In PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 98, no. 6, 062327., Registrované v: WOS
401. [1.1] MAITRA, Arpita - DE, Sourya Joyee - PAUL, Goutam - PAL, Asim K. Proposal for quantum rational secret sharing. In PHYSICAL REVIEW A. ISSN 2469-9926, 2015, vol. 92, no. 2, 022305., Registrované v: WOS
402. [1.1] MAITRA, Arpita - PAUL, Goutam. A Resilient Quantum Secret Sharing Scheme. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2015, vol. 54, no. 2, pp. 398., Registrované v: WOS
403. [1.1] MAITY, Ananda G. - DAS, Debarshi - GHOSAL, Arkaprabha - ROY, Arup - MAJUMDAR, A. S. Detection of genuine tripartite entanglement by multiple sequential observers. In PHYSICAL REVIEW A. ISSN 2469-9926, 2020, vol. 101, no. 4, 042340., Registrované v: WOS
404. [1.1] MAJD, Nayereh - NAZARI, Abdolmajid. d-Level (n, n) Quantum Secret Sharing Protocol. In ADVANCED SCIENCE LETTERS. ISSN 1936-6612, 2019, vol. 25, no. 1, pp. 62-65., Registrované v: WOS
405. [1.1] MALIK, Mehul - ERHARD, Manuel - HUBER, Marcus - KRENN, Mario - FICKLER, Robert - ZEILINGER, Anton. Multi-photon entanglement in high dimensions. In NATURE PHOTONICS. ISSN 1749-4885, 2016, vol. 10, no. 4, pp. 248-+., Registrované v: WOS
406. [1.1] MALPANI, Priya - ALAM, Nasir - THAPLIYAL, Kishore - PATHAK, Anirban - NARAYANAN, V. - BANERJEE, Subhashish. Lower- and Higher-Order Nonclassical Properties of Photon Added and Subtracted Displaced Fock States. In ANNALEN DER PHYSIK. ISSN 0003-3804, 2019, vol. 531, no. 2, 1800318., Registrované v: WOS

407. [1.1] MANSOUR, M. - DAHBI, Z. Quantum Secret Sharing Protocol Using Maximally Entangled Multi-qudit States. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2020, vol. 59, no. 12, pp. 3876-3887., Registrované v: WOS
408. [1.1] MARKHAM, D. Practical sharing of quantum secrets. In INFORMATION THEORETIC SECURITY (ICITS 2015). Lecture Notes in Computer Science, 2015, VOL. 9063, p. 1-14., Registrované v: WOS
409. [1.1] MARTINEZ, Daniel - TAVAKOLI, Armin - CASANOVA, Mauricio - CANAS, Gustavo - MARQUES, Breno - LIMA, Gustavo. High-Dimensional Quantum Communication Complexity beyond Strategies Based on Bell's Theorem. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2018, vol. 121, no. 15, 150504., Registrované v: WOS
410. [1.1] MASHHADI, Samaneh. General secret sharing based on quantum Fourier transform. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2019, vol. 18, no. 4, 114., Registrované v: WOS
411. [1.1] MASLOVA, N. S. - MANTSEVICH, V. N. - ARSEYEV, P. I. - SOKOLOV, I. M. Entanglement between electronic and vibrational Schrodinger-cat states in coupled molecules. In PHYSICAL REVIEW A. ISSN 1050-2947, 2020, vol. 101, no. 6, 062514., Registrované v: WOS
412. [1.1] MATSUMOTO, Ryutaroh - RUANO, Diego. Geometric and Computational Approach to Classical and Quantum Secret Sharing. In APPLICATIONS OF COMPUTER ALGEBRA. ISSN 2194-1009, 2017, vol. 198, pp. 267-272., Registrované v: WOS
413. [1.1] MATSUMOTO, Ryutaroh. Unitary reconstruction of secret for stabilizer-based quantum secret sharing. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2017, vol. 16, no. 8, UNSP 202., Registrované v: WOS
414. [1.1] MATSUMOTO, Ryutaroh. Message randomization and strong security in quantum stabilizer-based secret sharing for classical secrets. In DESIGNS CODES AND CRYPTOGRAPHY. ISSN 0925-1022, 2020, vol. 88, no. 9, pp. 1893-1907., Registrované v: WOS
415. [1.1] MATSUMOTO, Ryutaroh. Classical access structures of ramp secret sharing based on quantum stabilizer codes. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2020, vol. 19, no. 1, 9., Registrované v: WOS
416. [1.1] MAURYA, A.K. - MISHRA, M.K. - PRAKASH, H. Two-way quantum communication: Generalization of secure quantum information exchange to quantum network . In PRAMANA, 2016, vol. 86, p . 515-526., Registrované v: WOS
417. [1.1] MA, Hongyang - WANG, Shumei. Development of Security WLAN Protocol Based on Quantum GHZ Stats. In WIRELESS PERSONAL COMMUNICATIONS. ISSN 0929-6212, 2015, vol. 80, no. 1, pp. 193., Registrované v: WOS
418. [1.1] MA, Ling-yong. Two-Qubit Quantum State Sharing Protocol Based on Bell State. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2020, vol. 59, no. 6, pp. 1844-1853., Registrované v: WOS
419. [1.1] MA, Peng-Cheng - CHEN, Gui-Bin - LI, Xiao-Wei - ZHAN, You-Bang. Hierarchical Controlled Remote State Preparation by Using a Four-Qubit Cluster State. In INTERNATIONAL JOURNAL OF

- THEORETICAL PHYSICS. ISSN 0020-7748, 2018, vol. 57, no. 6, pp. 1748-1755., Registrované v: WOS
420. [1.1] MA, Xin-Ping - SUN, Yue - GUO, Jin-Liang. Quantum correlation dynamics of two qubits in independent reservoirs with initial system-reservoir correlations. In COMMUNICATIONS IN THEORETICAL PHYSICS. ISSN 0253-6102, 2020, vol. 72, no. 1, 015103., Registrované v: WOS
421. [1.1] MEIGNANT, Clement - MARKHAM, Damian - GROSSHANS, Frederic. Distributing graph states over arbitrary quantum networks. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 5, 052333., Registrované v: WOS
422. [1.1] MICUDA, M. - KOUTNY, D. - MIKOVA, M. - et al. Experimental demonstration of a fully inseparable quantum state with nonlocalizable entanglement, In SCIENTIFIC REPORTS, 2017, vol. 7, 45045., Registrované v: WOS
423. [1.1] MISHRA, Sandeep - SHUKLA, Chitra - PATHAK, Anirban - SRIKANTH, R. - VENUGOPALAN, Anu. An Integrated Hierarchical Dynamic Quantum Secret Sharing Protocol. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2015, vol. 54, no. 9, pp. 3143., Registrované v: WOS
424. [1.1] MISHRA, Utkarsh - SEN(DE), Aditi - SEN, Ujjwal. Local decoherence-resistant quantum states of large systems. In PHYSICS LETTERS A. ISSN 0375-9601, 2015, vol. 379, no. 4, pp. 261., Registrované v: WOS
425. [1.1] MISHRA, U. et al. Constructive interference between disordered couplings enhances multiparty entanglement in quantum Heisenberg spin glass models . In NEW JOURNAL OF PHYSICS, 2016, vol. 18, 083044., Registrované v: WOS
426. [1.1] MODI, Kavan - PATI, Arun Kumar - SEN (DE), Aditi - SEN, Ujjwal. Masking Quantum Information is Impossible. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2018, vol. 120, no. 23, 230501., Registrované v: WOS
427. [1.1] MOHAJER, Razieh - ESLAMI, Ziba. Quantum Secret Sharing Using Single States. In 2016 8TH INTERNATIONAL SYMPOSIUM ON TELECOMMUNICATIONS (IST), 2016, vol., no., pp. 174-177., Registrované v: WOS
428. [1.1] MONTEIRO, F. et al. Revealing genuine optical-path entanglement. In PHYSICAL REVIEW LETTERS, 2015, vol. 117, 170504., Registrované v: WOS
429. [1.1] MORENO, M. G. M. - BRITO, Samurai - NERY, Ranieri - CHAVES, Rafael. Device-independent secret sharing and a stronger form of Bell nonlocality. In PHYSICAL REVIEW A. ISSN 1050-2947, 2020, vol. 101, no. 5, 052339., Registrované v: WOS
430. [1.1] MORIGI, Giovanna - ESCHNER, Juergen - CORMICK, Cecilia - LIN, Yiheng - LEIBFRIED, Dietrich - WINELAND, David J. Dissipative Quantum Control of a Spin Chain. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 115, no. 20, 200502., Registrované v: WOS
431. [1.1] MOULICK, S.R. - SUBHAYAN, R. - PANIGRAHI, P.K. Quantum cheques . In QUANTUM INFORMATION PROCESSING, 2016, vol. 15, pp. 2475-2486., Registrované v: WOS
432. [1.1] MO, Xiao-Tao - XUE, Zheng-Yuan. Single-step multipartite entangled states generation from coupled circuit cavities. In FRONTIERS OF

- PHYSICS. ISSN 2095-0462, 2019, vol. 14, no. 3, 31602., Registrované v: WOS
433. [1.1] MUKHERJEE, K. - PAUL, B. - KARMAKAR, S. - et al. Conditional steering under the von Neumann scenario, In PHYSICAL REVIEW A, 2017, vol. 96, no. 2, 022122., Registrované v: WOS
434. [1.1] MUKHERJEE, Rick - XIE, Harry - MINTERT, Florian. Bayesian Optimal Control of Greenberger-Horne-Zeilinger States in Rydberg Lattices. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2020, vol. 125, no. 20, 203603., Registrované v: WOS
435. [1.1] MUNDRA, Rounak - PATEL, Dhruvil - CHAKRABARTY, Indranil - GANGULY, Nirman - CHATTERJEE, Sourav. Broadcasting of quantum correlations in qubit-qudit systems. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 4, 042319., Registrované v: WOS
436. [1.1] MUSANNA, Farhan - KUMAR, Sanjeev. A novel three-party quantum secret sharing scheme based on Bell state sequential measurements with application in quantum image sharing. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2020, vol. 19, no. 10, 348., Registrované v: WOS
437. [1.1] NANDI, Kaushik - PAUL, Goutam. QUANTUM INFORMATION SPLITTING USING A PAIR OF GHZ STATES. In QUANTUM INFORMATION & COMPUTATION. ISSN 1533-7146, 2015, vol. 15, no. 11-12, pp. 1041., Registrované v: WOS
438. [1.1] NANDI, Sumit - DATTA, Chandan - DAS, Arpan - AGRAWAL, Pankaj. Two-qubit mixed states and teleportation fidelity: purity, concurrence, and beyond. In EUROPEAN PHYSICAL JOURNAL D. ISSN 1434-6060, 2018, vol. 72, no. 10, 182., Registrované v: WOS
439. [1.1] NANVAKENARI, M. - HOUSHMAND, M. An efficient controlled quantum secure direct communication and authentication by using four particle cluster states, In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION, 2017, vol. 15, no. 1, 1750002., Registrované v: WOS
440. [1.1] NASERI, Mosayeb. Revisiting Quantum Authentication Scheme Based on Entanglement Swapping. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2016, vol. 55, no. 5, pp. 2428-2435., Registrované v: WOS
441. [1.1] NASERI, M. et al. A scheme for secure quantum communication network. In QUANTUM INFORMATION PROCESSING, 2015, vol. 14, p. 4279-4295., Registrované v: WOS
442. [1.1] NIU, M. Y. - SANDERS, B. C. - WONG, F. N. C. - et al. Unity-Efficiency Parametric Down-Conversion via Amplitude Amplification, In PHYSICAL REVIEW LETTERS, 2017, vol. 118, no. 12, 123601., Registrované v: WOS
443. [1.1] NOKKALA, J. - ARZANI, F. - GALVE, F. - ZAMBRINI, R. - MANISCALCO, S. - PILO, J. - TREPS, N. - PARIGI, V. Reconfigurable optical implementation of quantum complex networks. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2018, vol. 20, 053024., Registrované v: WOS
444. [1.1] NOLAN, S. P. - HAINE, S. A. Quantum Fisher information as a predictor of decoherence in the preparation of spin-cat states for quantum metrology, In PHYSICAL REVIEW A, 2017, vol. 95, no. 4, 043642., Registrované v: WOS
445. [1.1] OUYANG, Yingkai - TAN, Si-Hui - FITZSIMONS, Joseph F. Quantum homomorphic encryption from quantum codes. In PHYSICAL

REVIEW A. ISSN 2469-9926, 2018, vol. 98, no. 4, 042334., Registrované v: WOS

446. [1.1] OUYANG, Y. - TAN, S.-H. - ZHAO, L. - et al. Computing on quantum shared secrets, In PHYSICAL REVIEW A, 2017, vol. 96, no. 5, 052333., Registrované v: WOS

447. [1.1] PAN, Dong - LI, Keren - RUAN, Dong - NG, Soon Xin - HANZO, Lajos. Single-Photon-Memory Two-Step Quantum Secure Direct Communication Relying on Einstein-Podolsky-Rosen Pairs. In IEEE ACCESS. ISSN 2169-3536, 2020, vol. 8, no., pp. 121146-121161., Registrované v: WOS

448. [1.1] PAN, Hong-Ming. Improvement of High-Capacity Three-Party Quantum Secret Sharing with Single Photons in both the Polarization and the Spatial-Mode Degrees of Freedom. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2020, vol. 59, no. 7, pp. 2208-2213., Registrované v: WOS

449. [1.1] PARK, B.K.- LEE, M.S. - WOO, M.K. - et al. QKD system with fast active optical path length compensation, In SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY, 2017, vol. 60, no. 6, 060311., Registrované v: WOS

450. [1.1] PATHAK, Anirban - GHATAK, Ajoy. Classical light vs. nonclassical light: characterizations and interesting applications. In JOURNAL OF ELECTROMAGNETIC WAVES AND APPLICATIONS. ISSN 0920-5071, 2018, vol. 32, no. 2, pp. 229-264., Registrované v: WOS

451. [1.1] PATRO, S. - CHAKRABARTY, I. - GANGULY, N. Non-negativity of conditional von Neumann entropy and global unitary operations, In PHYSICAL REVIEW A, 2017, vol. 96, no. 6, 062102., Registrované v: WOS

452. [1.1] PATWARDHAN, Siddharth - MOULICK, Subhayan Roy - PANIGRAHI, Prasanta K. Efficient Controlled Quantum Secure Direct Communication Protocols. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2016, vol. 55, no. 7, pp. 3280-3288., Registrované v: WOS

453. [1.1] PAUL, Biswajit - MUKHERJEE, Kaushiki - KARMAKAR, Sumana - SARKAR, Debasis - MUKHERJEE, Amit - ROY, Arup - BHATTACHARYA, Some Sankar. Detection of genuine tripartite entanglement in quantum network scenario. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2020, vol. 19, no. 8, 246., Registrované v: WOS

454. [1.1] PAUL, Debolina - CHAKRABORTY, Saptarshi. A New Visual Cryptography Scheme with Perfect Contrast using Galois Fields. In 2019 3RD INTERNATIONAL CONFERENCE ON RECENT DEVELOPMENTS IN CONTROL, AUTOMATION & POWER ENGINEERING (RDCAPE), 2019, pp. 7-11., Registrované v: WOS

455. [1.1] PENG, Jia-Yin - BAI, Ming-Qiang - MO, Zhi-Wen. Bidirectional controlled joint remote state preparation. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2015, vol. 14, no. 11, pp. 4263., Registrované v: WOS

456. [1.1] PENG, Jia-Yin - BAI, Ming-qiang - MO, Zhi-Wen. Bidirectional Quantum States Sharing. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2016, vol. 55, no. 5, pp. 2481-2489., Registrované v: WOS

457. [1.1] PENG, Jia-Yin - BAI, Ming-qiang - MO, Zhi-Wen.

- Multicharacters remote rotation sharing with five-particle cluster state. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2019, vol. 18, no. 11, 339., Registrované v: WOS
458. [1.1] PENG, Jia-Yin - HE, Yong. Annular Controlled Teleportation. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2019, vol. 58, no. 10, pp. 3271-3281., Registrované v: WOS
459. [1.1] PENG, Zhaohui - JIA, Chunxia - ZHANG, Yuqing - ZHU, Zhonghua - LIU, Xiaojuan. Multipartite entanglement generation with dipole induced transparency effect in indirectly coupled dipole-microcavity systems. In CHINESE OPTICS LETTERS. ISSN 1671-7694, 2018, vol. 16, no. 8, 082702., Registrované v: WOS
460. [1.1] PINNELL, Jonathan - NAPE, Isaac - DE OLIVEIRA, Michael - TABEBORDBAR, Najmeh - FORBES, Andrew. Experimental Demonstration of 11-Dimensional 10-Party Quantum Secret Sharing. In LASER & PHOTONICS REVIEWS. ISSN 1863-8880, 2020, vol. 14, no. 9, 2000012., Registrované v: WOS
461. [1.1] PIRANDOLA, S. - ANDERSEN, U. L. - BANCHI, L. - BERTA, M. - BUNANDAR, D. - COLBECK, R. - ENGLUND, D. - GEHRING, T. - LUPO, C. - OTTAVIANI, C. - PEREIRA, J. L. - RAZAVI, M. - SHAARI, J. Shamsul - TOMAMICHEL, M. - USENKO, V. C. - VALLONE, G. - VILLORESI, P. - WALLDEN, P. Advances in quantum cryptography. In ADVANCES IN OPTICS AND PHOTONICS. ISSN 1943-8206, 2020, vol. 12, no. 4, pp. 1012-1236., Registrované v: WOS
462. [1.1] PIRANDOLA, S. - EISERT, J. - WEEDBROOK, C. - FURUSAWA, A. - BRAUNSTEIN, S. L. Advances in quantum teleportation. In NATURE PHOTONICS. ISSN 1749-4885, 2015, vol. 9, no. 10, pp. 641., Registrované v: WOS
463. [1.1] PIRKER, A. - WALLNOEFER, J. - DUER, And W. Modular architectures for quantum networks. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2018, vol. 20, 053054., Registrované v: WOS
464. [1.1] PRAMANIK, Tanumoy - LEE, Dong-Hwa - CHO, Young-Wook - LIM, Hyang-Tag - HAN, Sang-Wook - JUNG, Hojoong - MOON, Sung - LEE, Kwang Jo - KIM, Yong-Su. Equitable Multiparty Quantum Communication Without a Trusted Third Party. In PHYSICAL REVIEW APPLIED. ISSN 2331-7019, 2020, vol. 14, no. 6, 064074., Registrované v: WOS
465. [1.1] PULKKIS, Goran - GRAHN, Kaj J. Quantum Computing and Quantum Communication. In ENCYCLOPEDIA OF INFORMATION SCIENCE AND TECHNOLOGY, 4TH EDITION, 2018, pp. 7715-7730., Registrované v: WOS
466. [1.1] QIN, Hua Wang- DAI, Yue Wei. An efficient multiparty quantum-state sharing scheme. In CHINESE PHYSICS LETTERS, 2015, vol. 32, no. 10, 100301., Registrované v: WOS
467. [1.1] QIN, Huawang - DAI, Yuewei. Proactive quantum secret sharing. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2015, vol. 14, no. 11, pp. 4237., Registrované v: WOS
468. [1.1] QIN, Huawang - DAI, Yuewei. Sharing the Quantum State and the Classical Information Simultaneously. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2016, vol. 55, no. 8, pp. 3777-3787., Registrované v: WOS
469. [1.1] QIN, Huawang - DAI, Yuewei. d-Dimensional quantum state

sharing with adversary structure. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2016, vol. 15, no. 4, pp. 1689-1701., Registrované v: WOS

470. [1.1] QIN, Huawang - DAI, Yuewei. Efficient quantum secret sharing. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2016, vol. 15, no. 5, pp. 2091-2100., Registrované v: WOS

471. [1.1] QIN, Huawang - DAI, Yuewei. Verifiable (t, n) threshold quantum secret sharing using d-dimensional Bell state. In INFORMATION PROCESSING LETTERS. ISSN 0020-0190, 2016, vol. 116, no. 5, pp. 351-355., Registrované v: WOS

472. [1.1] QIN, Huawang - DAI, Yuewei. Dynamic quantum secret sharing by using d-dimensional GHZ state. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2017, vol. 16, no. 3, UNSP 64., Registrované v: WOS

473. [1.1] QIN, Huawang - TANG, Wallace K. S. - TSO, Raylin. Multiparty to multiparty quantum secret sharing. In MODERN PHYSICS LETTERS B. ISSN 0217-9849, 2018, vol. 32, no. 29, 1850350., Registrované v: WOS

474. [1.1] QIN, Huawang - TANG, Wallace K. S. - TSO, Raylin. Rational quantum secret sharing. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2018, vol. 8, 11115., Registrované v: WOS

475. [1.1] QIN, Huawang - TANG, Wallace K. S. - TSO, Raylin. Three-party quantum secret sharing based on d-dimensional Bell state. In MODERN PHYSICS LETTERS B. ISSN 0217-9849, 2019, vol. 33, no. 3, 1950023., Registrované v: WOS

476. [1.1] QIN, Huawang - TANG, Wallace K. S. - TSO, Raylin. Hierarchical Quantum Secret Sharing Based On Special High-Dimensional Entangled State. In IEEE JOURNAL OF SELECTED TOPICS IN QUANTUM ELECTRONICS. ISSN 1077-260X, 2020, vol. 26, no. 3, 6600106., Registrované v: WOS

477. [1.1] QIN, Huawang - TSO, Raylin. HIGH-CAPACITY QUANTUM SECRET SHARING BASED ON ORBITAL ANGULAR MOMENTUM. In QUANTUM INFORMATION & COMPUTATION. ISSN 1533-7146, 2018, vol. 18, no. 7-8, pp. 579-591., Registrované v: WOS

478. [1.1] QIN, Huawang - TSO, Raylin - DAI, Yuewei. Three-party quantum secret sharing based on phase shift operation. In MODERN PHYSICS LETTERS B. ISSN 0217-9849, 2018, vol. 32, no. 18, 1850197., Registrované v: WOS

479. [1.1] QIN, Huawang - TSO, Raylin. Threshold quantum state sharing based on entanglement swapping. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2018, vol. 17, no. 6, UNSP 142., Registrované v: WOS

480. [1.1] QIN, Huawang - TSO, Raylin. Efficient quantum secret sharing based on special multi-dimensional GHZ state. In OPTICAL AND QUANTUM ELECTRONICS. ISSN 0306-8919, 2018, vol. 50, no. 4, 167., Registrované v: WOS

481. [1.1] QIN, Huawang - TSO, Raylin - DAI, Yuewei. Multi-dimensional quantum state sharing based on quantum Fourier transform. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2018, vol. 17, no. 3, UNSP 48., Registrované v: WOS

482. [1.1] QIN, Huawang - TSO, Raylin - DAI, Yuewei. Quantum secret sharing by using Fourier transform on orbital angular momentum. In IET INFORMATION SECURITY. ISSN 1751-8709, 2019, vol. 13, no. 2, pp. 104-108., Registrované v: WOS
483. [1.1] QIN, Huawang - TSO, Raylin. Efficient quantum secret sharing based on polarization and orbital angular momentum. In JOURNAL OF THE CHINESE INSTITUTE OF ENGINEERS. ISSN 0253-3839, 2019, vol. 42, no. 2, pp. 143-148., Registrované v: WOS
484. [1.1] QIN, Huawang - ZHU, Xiaohua - DAI, Yuewei. (t, n) Threshold quantum secret sharing using the phase shift operation. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2015, vol. 14, no. 8, pp. 2997., Registrované v: WOS
485. [1.1] QIN, Huawang - ZHU, Xiaohua - DAI, Yuewei. A proactive quantum secret sharing scheme based on GHZ state. In MODERN PHYSICS LETTERS B. ISSN 0217-9849, 2015, vol. 29, no. 27, 1550165., Registrované v: WOS
486. [1.1] QIN, H. d-dimensional quantum secret sharing without entanglement . In JOURNAL OF THE CHINESE INSTITUTE OF ENGINEERS, 2016, vol. 39, no. 5, pp. 623-626., Registrované v: WOS
487. [1.1] QIN, H. - ZHU, X. - DAI, Y. A quantum secret sharing scheme on access structure . In JOURNAL OF THE CHINESE INSTITUTE OF ENGINEERS, 2016, vol. 39, no. 2, pp. 186-191., Registrované v: WOS
488. [1.1] QIN, H. - DAI, Y. An efficient (t, n) threshold secret sharing without entanglement . In MODERN PHYSICS LETTERS B, 2016, vol. 30, no. 12, 1650138., Registrované v: WOS
489. [1.1] QIN, H.W. - DAI, Y.-W. Multiple multi-qubit quantum states sharing . In COMMUNICATIONS IN THEORETICAL PHYSICS, 2016, vol. 65, no. 4, pp. 460-464., Registrované v: WOS
490. [1.1] QI, Shi-fan - JING, Jun. Generating NOON states in circuit QED using a multiphoton resonance in the presence of counter-rotating interactions. In PHYSICAL REVIEW A. ISSN 2469-9926, 2020, vol. 101, no. 3, 033809., Registrované v: WOS
491. [1.1] QU, Zhiguo - WU, Shengyao - SUN, Le - WANG, Mingming - WANG, Xiaojun. Effects of quantum noises on chi state-based quantum steganography protocol. In MATHEMATICAL BIOSCIENCES AND ENGINEERING. ISSN 1547-1063, 2019, vol. 16, no. 5, pp. 4999-5021., Registrované v: WOS
492. [1.1] QU, Z. - WU, S. - WANG, M. - et al. Effect of quantum noise on deterministic remote state preparation of an arbitrary two-particle state via various quantum entangled channels, In QUANTUM INFORMATION PROCESSING, 2017, vol. 16, no. 12, UNSP 306., Registrované v: WOS
493. [1.1] RAHAMAN, Ramij - PARKER, Matthew G. Quantum scheme for secret sharing based on local distinguishability. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 91, no. 2, 022330., Registrované v: WOS
494. [1.1] RAHMAWATI, R. - PURWANTO, A. Controlled quantum teleportation on the three control pattern via five-qubit cluster state. In UNNES PHYSICS INTERNATIONAL SYMPOSIUM 2018 (UPIS2018). ISSN 1742-6588, 2019, vol. 1170, UNSP 012024., Registrované v: WOS
495. [1.1] RAISSI, Zahra - TEIXIDO, Adam - GOGOLIN, Christian - ACIN, Antonio. Constructions of k-uniform and absolutely maximally entangled

- states beyond maximum distance codes. In PHYSICAL REVIEW RESEARCH, 2020, vol. 2, no. 3, 033411., Registrované v: WOS
496. [1.1] RAISSI, Z. - KARIMIPOUR, V. Creating maximally entangled states by gluing, In QUANTUM INFORMATION PROCESSING, 2017, vol. 16, no. 3, UNSP 81., Registrované v: WOS
497. [1.1] RAJIUDDIN, Sk - BAISHYA, Alakesh - BEHERA, Bikash K. - PANIGRAHI, Prasanta K. Experimental realization of quantum teleportation of an arbitrary two-qubit state using a four-qubit cluster state. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2020, vol. 19, no. 3, 87., Registrované v: WOS
498. [1.1] RAMANATHAN, Ravishankar - MIRONOWICZ, Piotr. Trade-offs in multiparty Bell-inequality violations in qubit networks. In PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 98, no. 2, 022133., Registrované v: WOS
499. [1.1] RAY, Maharshi - CHATTERJEE, Sourav - CHAKRABARTY, Indranil. Sequential quantum secret sharing in a noisy environment aided with weak measurements. In EUROPEAN PHYSICAL JOURNAL D. ISSN 1434-6060, 2016, vol. 70, no. 5, 114., Registrované v: WOS
500. [1.1] REN BAO-CANG - DENG FU-GUO. Hyper-parallel photonic quantum computation and manipulation on hyperentangled states. In ACTA PHYSICA SINICA. ISSN 1000-3290, 2015, vol. 64, no. 16, 160303., Registrované v: WOS
501. [1.1] REN, Bao-Cang - LONG, Gui Lu. Highly efficient hyperentanglement concentration with two steps assisted by quantum swap gates. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2015, vol. 5, 16444., Registrované v: WOS
502. [1.1] REN, Xingtian - WANG, Yong - DAI, Guiping. A Quantum Single Sign-On Protocol Based on GHZ States. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2015, vol. 54, no. 10, pp. 3733., Registrované v: WOS
503. [1.1] REUTTER, David J. - VICARY, Jamie. Shaded tangles for the design and verification of quantum circuits. In PROCEEDINGS OF THE ROYAL SOCIETY A-MATHEMATICAL PHYSICAL AND ENGINEERING SCIENCES. ISSN 1364-5021, 2019, vol. 475, no. 2224, 20180338., Registrované v: WOS
504. [1.1] RFIFI, Saad. Exploiting a Fock Cavity Field to Enhance Quantum Secret Sharing Through a Phase-Damping Noisy Channel. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2016, vol. 55, no. 10, pp. 4553-4563., Registrované v: WOS
505. [1.1] RITBOON, A. - CROKE, S. - BARNETT, S. M. Proposed optical realisation of a two photon, four-qubit entangled X state, In JOURNAL OF OPTICS, 2017, vol. 19, no. 7, 075201., Registrované v: WOS
506. [1.1] RONG, Zhenbang - QIU, Daowen - ZOU, Xiangfu. Two single-state semi-quantum secure direct communication protocols based on single photons. In INTERNATIONAL JOURNAL OF MODERN PHYSICS B. ISSN 0217-9792, 2020, vol. 34, no. 11, 2050106., Registrované v: WOS
507. [1.1] ROY, Arup - MUKHERJEE, Amit - BHATTACHARYA, Some Sankar - BANIK, Manik - DAS, Subhadipa. Local deterministic simulation of equatorial Von Neumann measurements on tripartite GHZ state. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2015, vol. 14, no. 1, pp.

217., Registrované v: WOS

508. [1.1] ROY, Saptarshi - CHANDA, Titas - DAS, Tamoghna - SEN(DE), Aditi - SEN, Ujjwal. Response in the violation of the Bell inequality to imperfect photon addition and subtraction in noisy squeezed states of light. In PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 98, no. 5, 052131., Registrované v: WOS

509. [1.1] ROY, Sarbani - MAITRA, Arpita - MUKHOPADHYAY, Sourav. Measurement-device-independent quantum private query with qutrits. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION. ISSN 0219-7499, 2018, vol. 16, no. 5, 1850045., Registrované v: WOS

510. [1.1] ROY, Sarbani - MUKHOPADHYAY, Sourav. Device-independent quantum secret sharing in arbitrary even dimensions. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 1, 012319., Registrované v: WOS

511. [1.1] ROY, Sarbani - MUKHOPADHYAY, Sourav. (t, n) THRESHOLD d-LEVEL QUANTUM SECRET SHARING BASED ON QUANTUM FOURIER TRANSFORMATION. In QUANTUM INFORMATION & COMPUTATION. ISSN 1533-7146, 2020, vol. 20, no. 11-12, pp. 957-968., Registrované v: WOS

512. [1.1] ROY, S. - GHOSH, B. A revisit to non-maximally entangled mixed states: teleportation witness, noisy channel and discord, In QUANTUM INFORMATION PROCESSING, 2017, vol. 16, no. 4, UNSP 108., Registrované v: WOS

513. [1.1] RUI, Pinshu - ZHANG, Wen - LIAO, Yanlin - ZHANG, Ziyun. Remote Quantum Information Concentration Via Weak Cross-Kerr Nonlinearity. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2016, vol. 55, no. 11, pp. 4798-4808., Registrované v: WOS

514. [1.1] SADHUKHAN, D. - ROY, S. S. - PAL, A. K. - et al. Multipartite entanglement accumulation in quantum states: Localizable generalized geometric measure, In PHYSICAL REVIEW A, 2017, vol. 95, no. 2, 022301., Registrované v: WOS

515. [1.1] SALEH, Mohammed F. Quasi-phase-matched $\chi^{(3)}$ -parametric interactions in sinusoidally tapered waveguides. In PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 97, no. 1, 013850., Registrované v: WOS

516. [1.1] SAMI, S. - CHAKRABARTY, I. A note on superposition of two unknown states using Deutsch CTC model . In MODERN PHYSICS LETTERS A, 2016, vol. 31, 1650170., Registrované v: WOS

517. [1.1] SANTRA, Siddhartha - JIANG, Liang - MALINOVSKY, Vladimir S. - IDSANTRALGMAIL.COM. Quantum repeater architecture with hierarchically optimized memory buffer times. In QUANTUM SCIENCE AND TECHNOLOGY. ISSN 2058-9565, 2019, vol. 4, no. 2, 025010., Registrované v: WOS

518. [1.1] SAUERWEIN, David - WALLACH, Nolan R. - GOUR, Gilad - KRAUS, Barbara. Transformations among Pure Multipartite Entangled States via Local Operations are Almost Never Possible. In PHYSICAL REVIEW X. ISSN 2160-3308, 2018, vol. 8, no. 3, 031020., Registrované v: WOS

519. [1.1] SAUERWEIN, D. - MACCHIAVELLO, CH. - MACCONE, L. - et al. Multipartite correlations in mutually unbiased bases, In PHYSICAL REVIEW A, 2017, vol. 95, no. 4, 042315., Registrované v: WOS

520. [1.1] SAZIM, S. - CHIRANJEEVI, V. - CHAKRABARTY, I. - SRINATHAN, K. Retrieving and routing quantum information in a quantum network. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2015, vol. 14, no. 12, pp. 4651., Registrované v: WOS
521. [1.1] SENTHOOR, Kaushik - SARVEPALLI, Pradeep Kiran. Communication efficient quantum secret sharing. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 5, 052313., Registrované v: WOS
522. [1.1] SHAN, Wu-Jiang - CHEN, Ye-Hong - XIA, Yan - SONG, Jie. One-step deterministic generation of N-atom Greenberger-Horne-Zeilinger states in separate coupled cavities via quantum Zeno dynamics. In JOURNAL OF MODERN OPTICS. ISSN 0950-0340, 2015, vol. 62, no. 19, pp. 1591., Registrované v: WOS
523. [1.1] SHAN, Wu-Jiang - ZHANG, Xin-Ping - WANG, Wei-Qun - LIN, Mei. Fast and robust generation of singlet state via shortcuts to adiabatic passage. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2019, vol. 18, no. 1, 22., Registrované v: WOS
524. [1.1] SHAN, W.-J. et al. Fast generation of N-atom Greenberger-Horne-Zeilinger state . In QUANTUM INFORMATION PROCESSING, 2016, vol. 15, no. 6, pp. 2359-2376., Registrované v: WOS
525. [1.1] SHARMA, Kapil K. - PANDEY, S. N. Robustness of GreenbergerHorneZeilinger and W states against Dzyaloshinskii-Moriya interaction. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2016, vol. 15, no. 12, pp. 4995-5009., Registrované v: WOS
526. [1.1] SHARMA, Kunal - DAS, Tamoghna - SEN(DE), Aditi - SEN, Ujjwal. Distribution of Bell-inequality violation versus multiparty-quantum-correlation measures. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 93, no. 6, 062344., Registrované v: WOS
527. [1.1] SHARMA, Kunal - WAKAKUWA, Eyuri - WILDE, Mark M. Conditional Quantum One-Time Pad. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2020, vol. 124, no. 5, 050503., Registrované v: WOS
528. [1.1] SHARMA, Rishi Dutt - THAPLIYAL, Kishore - PATHAK, Anirban - PAN, Alok Kumar - DE, Asok. Which verification qubits perform best for secure communication in noisy channel? In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2016, vol. 15, no. 4, pp. 1703-1718., Registrované v: WOS
529. [1.1] SHARMA, Vishal - SHUKLA, Chitra - BANERJEE, Subhashish - PATHAK, Anirban. Controlled bidirectional remote state preparation in noisy environment: a generalized view. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2015, vol. 14, no. 9, pp. 3441., Registrované v: WOS
530. [1.1] SHARMA, V. et al. A comparative study of protocols for secure quantum communication . In QUANTUM INFORMATION PROCESSING, 2016, vol. 15, pp. 4681-4710., Registrované v: WOS
531. [1.1] SHENG, YuBO et al. Efficient N-particle W state concentration. In SCIENCE CHINA-PHYSICS MECHANICS a. ASTRONOMY, 2015, vol. 58, no. 6, 060301., Registrované v: WOS
532. [1.1] SHI, Jin - MA, Peng-cheng - CHEN, Gui-Bin. Schemes for Bidirectional Quantum Teleportation Via a Hyper-Entangled State. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2019, vol. 58, no. 2, pp. 372-382., Registrované v: WOS

533. [1.1] SHI, Ronghua - LIU, Shaorong - WANG, Shuo - GUO, Ying. Deterministic Polarization Entanglement Purification of chi-type entangled states in Multiple Degrees of Freedom. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2015, vol. 54, no. 2, pp. 358., Registrované v: WOS
534. [1.1] SHI, Run-Hua - ZHANG, Mingwu. A Feasible Quantum Protocol for Private Set Intersection Cardinality. In IEEE ACCESS. ISSN 2169-3536, 2019, vol. 7, pp. 72105-72112., Registrované v: WOS
535. [1.1] SHI, Run-hua - ZHANG, Mingwu. Privacy-preserving Quantum Sealed-bid Auction Based on Grover's Search Algorithm. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2019, vol. 9, 7626., Registrované v: WOS
536. [1.1] SHI, Run-hua - ZHANG, Rui - LIU, Bai - ZHANG, Mingwu. Cryptanalysis and Improvement of Quantum Sealed-Bid Auction. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2020, vol. 59, no. 6, pp. 1917-1926., Registrované v: WOS
537. [1.1] SHI, Run-Hua. Efficient Quantum Protocol for Private Set Intersection Cardinality. In IEEE ACCESS. ISSN 2169-3536, 2018, vol. 6, pp. 73102-73109., Registrované v: WOS
538. [1.1] SHI, Run-Hua. Useful Equations About Bell States and Their Applications to Quantum Secret Sharing. In IEEE COMMUNICATIONS LETTERS. ISSN 1089-7798, 2020, vol. 24, no. 2, pp. 386-390., Registrované v: WOS
539. [1.1] SHI, R.-H. Verifiable Quantum Encryption and its Practical Applications, In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2017, vol. 56, no. 4, pp. 1208-1217., Registrované v: WOS
540. [1.1] SHUKLA, Chitra - BANERJEE, Anindita - PATHAK, Anirban - SRIKANTH, R. Secure quantum communication with orthogonal states. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION. ISSN 0219-7499, 2016, vol. 14, no. 6, 0640021., Registrované v: WOS
541. [1.1] SHUKLA, CH. - THAPLIYAL, K. - PATHAK, A. Hierarchical joint remote state preparation in noisy environment, In QUANTUM INFORMATION PROCESSING, 2017, vol. 16, no. 8, UNSP 205., Registrované v: WOS
542. [1.1] SHUKLA, Manish Kumar - CHAKRABARTY, Indranil - CHATTERJEE, Sourav. Broadcasting of entanglement via orthogonal and non-orthogonal state-dependent cloners. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2020, vol. 19, no. 1, 15., Registrované v: WOS
543. [1.1] SCHNEELOCH, James - TISON, Christopher C. - FANTO, Michael L. - RAY, Shannon - ALSING, Paul M. Quantifying tripartite entanglement with entropic correlations. In PHYSICAL REVIEW RESEARCH, 2020, vol. 2, no. 4, 043152., Registrované v: WOS
544. [1.1] SIDDHU, Vikesh. Quantum private comparison over noisy channels. In QUANTUM INFORMATION PROCESSING, 2015, vol. 14, p. 3005-3017., Registrované v: WOS
545. [1.1] SINGH, Parvinder - KUMAR, Atul. Analysing Nonlocal Correlations in Three-qubit Partially Entangled States Under Real Conditions. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2018, vol. 57, no. 10, pp. 3172-3189., Registrované v: WOS
546. [1.1] SINGH, Parvinder - KUMAR, Atul. Analysing nonlocality robustness in multiqubit systems under noisy conditions and weak measurements.

- In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2018, vol. 17, no. 9, UNSP 249., Registrované v: WOS
547. [1.1] SISODIA, Mitali - SHUKLA, Chitra - LONG, Gui-Lu. Linear optics-based entanglement concentration protocols for cluster-type entangled coherent state. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2019, vol. 18, no. 8, 253., Registrované v: WOS
548. [1.1] SISODIA, M. - SHUKLA, A. - THAPLIYAL, K. - et al. Design and experimental realization of an optimal scheme for teleportation of an n-qubit quantum state, In QUANTUM INFORMATION PROCESSING, 2017, vol. 16, no. 12, UNSP 292., Registrované v: WOS
549. [1.1] SISODIA, M. - VERMA, V. - THAPLIYAL, K. - et al. Teleportation of a qubit using entangled non-orthogonal states: a comparative studyE, In QUANTUM INFORMATION PROCESSING, 2017, vol. 16, no. 3, UNSP 76., Registrované v: WOS
550. [1.1] SLOWIK, Oskar - HEBENSTREIT, Martin - KRAUS, Barbara - SAWICKI, Adam. A link between symmetries of critical states and the structure of SLOCC classes in multipartite systems. In QUANTUM. ISSN 2521-327X, 2020, vol. 4., Registrované v: WOS
551. [1.1] SMANIA, M. et al. Experimental quantum multiparty communication protocols . In NPJ QUANTUM INFORMATION, 2016, vol. 2, 16010., Registrované v: WOS
552. [1.1] SMITH, A. M. - EVANS, P. G. - LAWRIE, B. - LEGRE, M. - LOUGOVSKI, P. - RAY, W. - WILLIAMS, B. P. - QI, B. - GRICE, W. P. Secret Key Generation via a Modified Quantum Secret Sharing Protocol. In QUANTUM INFORMATION AND COMPUTATION XIII. ISSN 0277-786X, 2015, vol. 9500, 950008., Registrované v: WOS
553. [1.1] SOLEIMANIFAR, Mehdi - KARIMIPOUR, Vahid. No-go theorem for iterations of unknown quantum gates. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 93, no. 1, 012344., Registrované v: WOS
554. [1.1] SONG, G.-Z. et al. Heralded quantum repeater based on the scattering of photons off single emitters using parametric down-conversion source . In SCIENTIFIC REPORTS, 2016, vol. 6, 28744., Registrované v: WOS
555. [1.1] SONG, Chong - SU, Shi-Lei - WU, Jin-Lei - WANG, Dong-Yang - JI, Xin - ZHANG, Shou. Generation of tree-type three-dimensional entangled states via adiabatic passage. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 93, no. 6, 062321., Registrované v: WOS
556. [1.1] SONG, Xiuli - LIU, Yanbing. Cryptanalysis and improvement of verifiable quantum (k, n) secret sharing. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2016, vol. 15, no. 2, pp. 851-868., Registrované v: WOS
557. [1.1] SONG, Xiuli - LIU, Yanbing - XIAO, Min - DENG, Hongyao. A Verifiable (t, n) Threshold Quantum State Sharing Against Denial Attack. In IEEE ACCESS. ISSN 2169-3536, 2019, vol. 7, pp. 98908-98920., Registrované v: WOS
558. [1.1] SONG, Xiuli - LIU, Yanbing - XIAO, Min - DENG, Hongyao - YANG, Shuai. A verifiable (t, n) threshold quantum state sharing scheme on IBM quantum cloud platform. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2020, vol. 19, no. 9, 337., Registrované v: WOS
559. [1.1] SONG, Xiu-Li - LIU, Yan-Bing - DENG, Hong-Yao - XIAO, Yong-Gang. (t, n) Threshold d-Level Quantum Secret Sharing. In SCIENTIFIC

- REPORTS. ISSN 2045-2322, 2017, vol. 7, 6366., Registrované v: WOS
560. [1.1] SONG, Yun - LI, Yongming - WANG, Wenhua. Multiparty Quantum Direct Secret Sharing of Classical Information with Bell States and Bell Measurements. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2018, vol. 57, no. 5, pp. 1559-1571., Registrované v: WOS
561. [1.1] SONG, Yun - LI, Zhihui - LI, Yongming. A dynamic multiparty quantum direct secret sharing based on generalized GHZ states. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2018, vol. 17, no. 9, UNSP 244., Registrované v: WOS
562. [1.1] SONG, Y. - NI, J.-L. - WANG, Z.-Y. - et al. Deterministic Bidirectional Remote State Preparation of α - and Symmetric Quantum States with a Proper Quantum Channel, In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2017, vol. 56, no. 10, pp. 3175-3187., Registrované v: WOS
563. [1.1] SPEE, C. - DE VICENTE, J. I. - SAUERWEIN, D. - et al. Entangled Pure State Transformations via Local Operations Assisted by Finitely Many Rounds of Classical Communication, In PHYSICAL REVIEW LETTERS, 2017, vol. 118, no. 4, 040503., Registrované v: WOS
564. [1.1] SPEE, C. - DE VICENTE, J. I. - KRAUS, B. Few-Body Entanglement Manipulation, In QUANTUM [UN]SPEAKABLES II: HALF A CENTURY OF BELL'S THEOREM, 2017, Book Series: Frontiers Collection, pp. 365-380., Registrované v: WOS
565. [1.1] STRELTISOV, A. - MEIGNANT, C. - EISERT, J. Rates of Multipartite Entanglement Transformations. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2020, vol. 125, no. 8, 080502., Registrované v: WOS
566. [1.1] SUNIAN, X. - LI, Y. - ZHOU, T. Optimal programmable unambiguous discriminator between two unknown latitudinal states . In SCIENCE CHINA-PHYSICS MECHANICS A. ASTRONOMY, 2016, vol. 59, no. 10, UNSP 100312., Registrované v: WOS
567. [1.1] SUN, Hong-Wei - ZHANG, Long - ZUO, Hui-Juan - ZHANG, Ke-Jia - MA, Chun-Guang. Offline Arbitrated Quantum Blind Dual-Signature Protocol with Better Performance in Resisting Existential Forgery Attack. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2018, vol. 57, no. 9, pp. 2695-2708., Registrované v: WOS
568. [1.1] SUN, Le - WU, Shengyao - QU, Zhiguo - WANG, Mingming - WANG, Xiaojun. The effect of quantum noise on two different deterministic remote state preparation of an arbitrary three-particle state protocols. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2018, vol. 17, no. 10, UNSP 283., Registrované v: WOS
569. [1.1] SUN, Yuhua - YAN, Lili - CHANG, Yan - ZHANG, Shibin - SHAO, Tingting - ZHANG, Yan. Two semi-quantum secure direct communication protocols based on Bell states. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2019, vol. 34, no. 1, 1950004., Registrované v: WOS
570. [1.1] SUN, Zhiwei - HUANG, Jiwu - WANG, Ping. Efficient multiparty quantum key agreement protocol based on commutative encryption. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2016, vol. 15, no. 5, pp. 2101-2111., Registrované v: WOS

571. [1.1] SUN, Zhiwei - YU, Jianping - WANG, Ping - XU, Lingling - WU, Chunhui. Quantum private comparison with a malicious third party. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2015, vol. 14, no. 6, pp. 2125., Registrované v: WOS
572. [1.1] SUN, Zhiwei - YU, Jianping - WANG, Ping. Efficient multi-party quantum key agreement by cluster states. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2016, vol. 15, no. 1, pp. 373-384., Registrované v: WOS
573. [1.1] SUN, Zhiwei - ZHANG, Cai - WANG, Ping - YU, Jianping - ZHANG, Yong - LONG, Dongyang. Multi-Party Quantum Key Agreement by an Entangled Six-Qubit State. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2016, vol. 55, no. 3, pp. 1920-1929., Registrované v: WOS
574. [1.1] SUTRADHAR, Kartick - OM, Hari. A Generalized Quantum Protocol for Secure Multiparty Summation. In IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS II-EXPRESS BRIEFS. ISSN 1549-7747, 2020, vol. 67, no. 12, pp. 2978-2982., Registrované v: WOS
575. [1.1] SUTRADHAR, Kartick - OM, Hari. Efficient quantum secret sharing without a trusted player. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2020, vol. 19, no. 2, 73., Registrované v: WOS
576. [1.1] SU, Xiaolong - WANG, Meihong - YAN, Zhihui - JIA, Xiaojun - XIE, Changde - PENG, Kunchi. Quantum network based on non-classical light. In SCIENCE CHINA-INFORMATION SCIENCES. ISSN 1674-733X, 2020, vol. 63, no. 8, 180503., Registrované v: WOS
577. [1.1] SU, Xi-Rong - HUANG, Yi-Wen - XIANG, Tong - LI, Yuan-Hua - CHEN, Xian-Feng. Generation of Pure State Photon Triplets in the C-Band. In MICROMACHINES, 2019, vol. 10, no. 11, 775., Registrované v: WOS
578. [1.1] SU, Z.-E. - TANG, W.-D. - WU, D. - et al. Experimental test of the irreducible four-qubit Greenberger-Horne-Zeilinger paradox, In PHYSICAL REVIEW A, 2017, vol. 95, no. 3, 030103., Registrované v: WOS
579. [1.1] TADDEI, M.M. - NERY, R.V. - AOLITA, L. Necessary and sufficient conditions for multipartite Bell violations with only one trusted device . In PHYSICAL REVIEW A, 2016, vol. 94, no. 3, 032106., Registrované v: WOS
580. [1.1] TAKEDA, Shuntaro - TAKASE, Kan - FURUSAWA, Akira. On-demand photonic entanglement synthesizer. In SCIENCE ADVANCES. ISSN 2375-2548, 2019, vol. 5, no. 5, eaaw4530., Registrované v: WOS
581. [1.1] TANG, D. et al. High-dimensional circular quantum secret sharing using orbital angular momentum . In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2016, vol. 55, no. 11, pp. 4963., Registrované v: WOS
582. [1.1] TANG, Run-Hua - ZHANG, Cai - LONG, Dong-Yang - WU, Pan. Improvements on "Multi-party Quantum Key Agreement Protocol with Bell States and Single Particles". In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2020, vol. 59, no. 5, pp. 1623-1637., Registrované v: WOS
583. [1.1] TANG, R-H - ZHANG, C. - LONG, D-Y. An efficient circle-type multiparty quantum key agreement protocol with single particles. In INTERNATIONAL JOURNAL OF MODERN PHYSICS B. ISSN 0217-9792, 2020, vol. 34, no. 20, 2050199., Registrované v: WOS

584. [1.1] TAO, Zheng - CHANG, Yan - ZHANG, Shibin - DAI, Jinqiao - LI, Xueyang. Two Semi-Quantum Direct Communication Protocols with Mutual Authentication Based on Bell States. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2019, vol. 58, no. 9, pp. 2986-2993., Registrované v: WOS
585. [1.1] TAVAKOLI, A. et al. Secret sharing. In PHYSICAL REVIEW A, 2015, vol. 92, 030302., Registrované v: WOS
586. [1.1] TEH, R. Y. - REID, M. D. Criteria to detect genuine multipartite entanglement using spin measurements. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 2, 022126., Registrované v: WOS
587. [1.1] THAPLIYAL, Kishore - PATHAK, Anirban. Applications of quantum cryptographic switch: various tasks related to controlled quantum communication can be performed using Bell states and permutation of particles. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2015, vol. 14, no. 7, pp. 2599., Registrované v: WOS
588. [1.1] THAPLIYAL, K. A general method for selecting quantum channel. In QUANTUM INFORMATION PROCESSING, 2015, vol. 14, p. 4601-4614., Registrované v: WOS
589. [1.1] THAPLIYAL, K. - PATHAK, A. - BANERJEE, S. Quantum cryptography over non-Markovian channels, In QUANTUM INFORMATION PROCESSING, 2017, vol. 16, no. 5, UNSP 115., Registrované v: WOS
590. [1.1] THI BICH CAO - VAN HOP NGUYEN - BA AN NGUYEN. Flexible controlled joint remote preparation of an arbitrary two-qubit state via non-maximally entangled quantum channels. In ADVANCES IN NATURAL SCIENCES-NANOSCIENCE AND NANOTECHNOLOGY. ISSN 2043-6254, 2016, vol. 7, no. 2, 025007., Registrované v: WOS
591. [1.1] THILAGAM, A. Natural light harvesting systems: unraveling the quantum puzzles. In JOURNAL OF MATHEMATICAL CHEMISTRY. ISSN 0259-9791, 2015, vol. 53, no. 2, pp. 466., Registrované v: WOS
592. [1.1] TRAVNICEK, Vojtech - BARTKIEWICZ, Karol - CERNOCH, Antonin - LEMR, Karel. Experimental measurement of a nonlinear entanglement witness by hyperentangling two-qubit states. In PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 98, no. 3, 032307., Registrované v: WOS
593. [1.1] TRUONG MINH DUC - TRAN QUANG DAT. Enhancing nonclassical and entanglement properties of trio coherent states by photo-addition. In OPTIK. ISSN 0030-4026, 2020, vol. 210, 164479., Registrované v: WOS
594. [1.1] TSAI, Chia-Wei - CHANG, Yao-Chung - LAI, Ying-Hsun - YANG, Chun-Wei. Cryptanalysis of limited resource semi-quantum secret sharing. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2020, vol. 19, no. 8, 224., Registrované v: WOS
595. [1.1] TSAI, Chia-Wei - YANG, Chun-Wei - LEE, Narn-Yih. Semi-quantum secret sharing protocol using W-state. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2019, vol. 34, no. 27, 1950213., Registrované v: WOS
596. [1.1] UNNIKRISHNAN, Anupama - MARKHAM, Damian. Authenticated teleportation with one-sided trust. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 3, 032314., Registrované v: WOS
597. [1.1] UNNIKRISHNAN, Anupama - MARKHAM, Damian. Authenticated teleportation and verification in a noisy network. In PHYSICAL

REVIEW A. ISSN 2469-9926, 2020, vol. 102, no. 4, 042401., Registrované v: WOS

598. [1.1] UPPU, Ravitej - WOLTERINK, Tom A. W. - GOORDEN, Sebastianus A. - CHEN, Bin - SKORIC, Boris - MOSK, Allard P. - PINKSE, Pepijn W. H. Asymmetric cryptography with physical unclonable keys. In QUANTUM SCIENCE AND TECHNOLOGY. ISSN 2058-9565, 2019, vol. 4, no. 4, 045011., Registrované v: WOS

599. [1.1] VALDES-HERNANDEZ, Andrea - BRAUER, Vctor H. T. - SANTIAGO ZAMORA, F. Guaranteed emergence of genuine entanglement in 3-qubit evolving systems. In EUROPEAN PHYSICAL JOURNAL D. ISSN 1434-6060, 2019, vol. 73, no. 11, 245., Registrované v: WOS

600. [1.1] VASILIU, Yevhen - LIMAR, Igor - GANCARCZYK, Tomasz - KARPINSKI, Mikolaj. New Quantum Secret Sharing Protocol Using Entangled Qutrits. In PROCEEDINGS OF THE 2019 10TH IEEE INTERNATIONAL CONFERENCE ON INTELLIGENT DATA ACQUISITION AND ADVANCED COMPUTING SYSTEMS TECHNOLOGY AND APPLICATIONS (IDAACS), Vol. 1, 2019, pp. 324-329., Registrované v: WOS

601. [1.1] VIVOLI, Valentina Caprara - RIBEIRO, Jeremy - WEHNER, Stephanie. High-fidelity Greenberger-Horne-Zeilinger state generation within nearby nodes. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 3, 032310., Registrované v: WOS

602. [1.1] VOGELL, B. - VERMERSCH, B. - NORTHUP, T. E. - et al. Deterministic quantum state transfer between remote qubits in cavities, In QUANTUM SCIENCE AND TECHNOLOGY, 2017, vol. 2, no. 4, UNSP 045003., Registrované v: WOS

603. [1.1] VRANA, Peter - CHRISTANDL, Matthias. Distillation of Greenberger-Horne-Zeilinger States by Combinatorial Methods. In IEEE TRANSACTIONS ON INFORMATION THEORY. ISSN 0018-9448, 2019, vol. 65, no. 9, pp. 5945-5958., Registrované v: WOS

604. [1.1] WANG, Dong et al. Generalized remote preparation. In ENTROPY, 2015, vol. 17, p. 1755-1774., Registrované v: WOS

605. [1.1] WANG, Feng - LUO, Mingxing - LI, Huiran - QU, Zhiguo - WANG, Xiaojun. Quantum private comparison based on quantum dense coding. In SCIENCE CHINA-INFORMATION SCIENCES. ISSN 1674-733X, 2016, vol. 59, no. 11, 112501., Registrované v: WOS

606. [1.1] WANG, GuanYu - LONG, GuiLu. Entanglement purification for memory nodes in a quantum network. In SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY. ISSN 1674-7348, 2020, vol. 63, no. 2, 220311., Registrované v: WOS

607. [1.1] WANG, Guan-Yu - AI, Qing - REN, Bao-Cang - LI, Tao - DENG, Fu-Guo. Error-detected generation and complete analysis of hyperentangled Bell states for photons assisted by quantum-dot spins in double-sided optical microcavities. In OPTICS EXPRESS. ISSN 1094-4087, 2016, vol. 24, no. 25, pp. 28444-28458., Registrované v: WOS

608. [1.1] WANG, Guan-Yu - AI, Qing - DENG, Fu-Guo - REN, Bao-Cang. Imperfect-interaction-free entanglement purification on stationary systems for solid quantum repeaters. In OPTICS EXPRESS. ISSN 1094-4087, 2020, vol. 28, no. 13, pp. 18693-18706., Registrované v: WOS

609. [1.1] WANG, Guan-Yu - LIU, Qian - DENG, Fu-Guo. Hyperentanglement purification for two-photon six-qubit quantum systems. In

- PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 94, no. 3, 032319.,
 Registrované v: WOS
610. [1.1] WANG, Guan-Yu - LI, Tao - AI, Qing - ALSAEDI, Ahmed - HAYAT, Tasawar - DENG, Fu-Guo. Faithful Entanglement Purification for High-Capacity Quantum Communication with Two-Photon Four-Qubit Systems. In PHYSICAL REVIEW APPLIED. ISSN 2331-7019, 2018, vol. 10, no. 5, 054058., Registrované v: WOS
611. [1.1] WANG, Guan-Yu - REN, Bao-Cang - DENG, Fu-Guo - LONG, Gui-Lu. Complete analysis of hyperentangled Bell states assisted with auxiliary hyperentanglement. In OPTICS EXPRESS. ISSN 1094-4087, 2019, vol. 27, no. 6, pp. 8994-9003., Registrované v: WOS
612. [1.1] WANG, Hong - LU, Lu-Cong - DENG, Fu-Guo. Efficient Generation of Quantum Cluster Entangled States for Distant Diamond Nitrogen-Vacancy Centers. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2015, vol. 54, no. 3, pp. 840., Registrované v: WOS
613. [1.1] WANG, Hong - REN, Bao-Cang - WANG, Ai Hua - ALSAEDI, Ahmed - HAYAT, Tasawar - DENG, Fu-Guo. General hyperentanglement concentration for polarization-spatial-time-bin multi-photon systems with linear optics. In FRONTIERS OF PHYSICS. ISSN 2095-0462, 2018, vol. 13, no. 5, 130315., Registrované v: WOS
614. [1.1] WANG, Hua - ZHAO, Yongli - YU, Xiaosong - MA, Zhangchao - WANG, Jianquan - NAG, Avishek - YI, Longteng - ZHANG, Jie. Protection Schemes for Key Service in Optical Networks Secured by Quantum Key Distribution (QKD). In JOURNAL OF OPTICAL COMMUNICATIONS AND NETWORKING. ISSN 1943-0620, 2019, vol. 11, no. 3, pp. 67-78., Registrované v: WOS
615. [1.1] WANG, H. - REN, B.-C. - ALZHRANI, F. - et al. Hyperentanglement concentration for polarization-spatial-time-bin hyperentangled photon systems with linear optics, In QUANTUM INFORMATION PROCESSING, 2017, vol. 16, no. 10, UNSP 237., Registrované v: WOS
616. [1.1] WANG, Chun - ZENG, Zhi - LI, Xihan. Complete N-Photon Greenberger-Horne-Zeilinger State Analysis Using Hyperentanglement. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2016, vol. 55, no. 3, pp. 1568-1576., Registrované v: WOS
617. [1.1] WANG, Jingtao - LI, Lixiang - PENG, Haipeng - YANG, Yixian. Quantum-secret-sharing scheme based on local distinguishability of orthogonal multiqubit entangled states. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 95, no. 2, 022320., Registrované v: WOS
618. [1.1] WANG, Jing-Tao - XU, Gang - CHEN, Xiu-Bo - SUN, Xing-Ming - JIA, Heng-Yue. Local distinguishability of Dicke states in quantum secret sharing. In PHYSICS LETTERS A. ISSN 0375-9601, 2017, vol. 381, no. 11, pp. 998-1002., Registrované v: WOS
619. [1.1] WANG, Jinwei - SHU, Lan - MO, Zhiwen. Controlled Remote Information Concentration via Non-Maximally Entangled GHZ-Type States. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2016, vol. 55, no. 2, pp. 746-753., Registrované v: WOS
620. [1.1] WANG, Jin-wei - SHU, Lan - MO, Zhi-wen - ZHANG, Zhi-hua. Controlled Remote Information Concentration via GHZ-type States. In

- FUZZY SYSTEMS & OPERATIONS RESEARCH AND MANAGEMENT. ISSN 2194-5357, 2016, vol. 367, no., pp. 267-274., Registrované v: WOS
621. [1.1] WANG, J. et al. Bounds on multipartite concurrence and tangle . In QUANTUM INFORMATION PROCESSING, 2016, vol. 15, no. 10, pp. 4211-4218., Registrované v: WOS
622. [1.1] WANG, Meiyu - XU, Jingzhou - YAN, Fengli - GAO, Ting. Entanglement concentration for polarization-spatial-time-bin hyperentangled Bell states. In EPL. ISSN 0295-5075, 2018, vol. 123, no. 6, 60002., Registrované v: WOS
623. [1.1] WANG, Meiyu - YAN, Fengli - GAO, Ting. Deterministic state analysis for polarization-spatial-time-bin hyperentanglement with nonlinear optics. In LASER PHYSICS LETTERS. ISSN 1612-2011, 2018, vol. 15, no. 12, 125206., Registrované v: WOS
624. [1.1] WANG, Meiyu - YAN, Fengli - GAO, Ting. Entanglement purification of two-photon systems in multiple degrees of freedom. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2020, vol. 19, no. 7, 206., Registrované v: WOS
625. [1.1] WANG, Meiyu - YAN, Fengli - GAO, Ting. Error correction of polarization entanglement in hyper-entangled state. In JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS. ISSN 0953-4075, 2020, vol. 53, no. 13, 135503., Registrované v: WOS
626. [1.1] WANG, Mei-Jiao et al. Protecting quantum entanglement. In ACTA PHYSICA SINICA, 2015, vol. 64, 240303., Registrované v: WOS
627. [1.1] WANG, Mei-Yu - YAN, Feng-Li - GAO, Ting. Deterministic distribution of four-photon Dicke state over an arbitrary collective-noise channel with cross-Kerr nonlinearity. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2016, vol. 6, 29853., Registrované v: WOS
628. [1.1] WANG, Meng et al. Detection of quantum steering. In PHYSICAL REVIEW A, 2015, vol. 91, 012112., Registrované v: WOS
629. [1.1] WANG, Meng - XIANG, Yu - HE, Qingyi - GONG, Qihuang. Asymmetric quantum network based on multipartite Einstein-Podolsky-Rosen steering. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS. ISSN 0740-3224, 2015, vol. 32, no. 4, pp. A20., Registrované v: WOS
630. [1.1] WANG, Mingming - YANG, Chen - MOUSOLI, Reza. Controlled Cyclic Remote State Preparation of Arbitrary Qubit States. In CMC-COMPUTERS MATERIALS & CONTINUA. ISSN 1546-2218, 2018, vol. 55, no. 2, pp. 321-329., Registrované v: WOS
631. [1.1] WANG, Ming-Ming et al. Secret sharing. In QUANTUM INFORMATION PROCESSING, 2015, vol. 14, p. 4211-4224., Registrované v: WOS
632. [1.1] WANG, Ming-Ming - HAN, Rui-Fan - GONG, Lin-Ming. Multiparty semiquantum key agreement without entanglement. In COMMUNICATIONS IN THEORETICAL PHYSICS. ISSN 0253-6102, 2020, vol. 72, no. 6, 065107., Registrované v: WOS
633. [1.1] WANG, Ming-Ming - KONG, Xing-Yu. An asymmetric dynamic multiparty quantum secret sharing against active attacks. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION. ISSN 0219-7499, 2020, vol. 18, no. 3, 2050001., Registrované v: WOS
634. [1.1] WANG, Ming-Ming - LIU, Jun-Li - GONG, Lin-Ming.

Semiquantum secure direct communication with authentication based on single-photons. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION. ISSN 0219-7499, 2019, vol. 17, no. 3, 1950024., Registrované v: WOS

635. [1.1] WANG, Ming-Ming - QU, Zhi-Guo - ELHOSENY, Mohamed. Quantum Secret Sharing in Noisy Environment. In CLOUD COMPUTING AND SECURITY, PT II. ISSN 0302-9743, 2017, vol. 10603, pp. 100-112., Registrované v: WOS

636. [1.1] WANG, Ming-Ming - QU, Zhi-Guo - GONG, Lin-Ming. Improved quantum secret sharing scheme based on GHZ states. In INTERNATIONAL JOURNAL OF COMPUTATIONAL SCIENCE AND ENGINEERING. ISSN 1742-7185, 2020, vol. 21, no. 3, pp. 355-363., Registrované v: WOS

637. [1.1] WANG, M. - GONG, Q. H. - FICEK, Z. - HE, Q. Y. Efficient Scheme for Perfect Collective Einstein-Podolsky-Rosen Steering. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2015, vol. 5, 12346., Registrované v: WOS

638. [1.1] WANG, M. - YAN, F. - XU, J. Perfect entanglement concentration of an arbitrary four-photon polarization entangled state via quantum nondemolition detectors . In JOURNAL OF PHYSICS B, 2016, vol. 49, no. 15, 155502., Registrované v: WOS

639. [1.1] WANG, M. - YAN, F. - GAO, T. Generation of four-photon polarization entangled decoherence-free states . In SCIENTIFIC REPORTS, 2016, vol. 6, 38233., Registrované v: WOS

640. [1.1] WANG, M.-M. - QU, Z.-G. Effect of quantum noise on deterministic joint remote state preparation of a qubit state via a GHZ channel . In QUANTUM INFORMATION PROCESSING, 2016, vol. 15, no. 11, pp. 48054818., Registrované v: WOS

641. [1.1] WANG, M.-M. - QU, Z.-G. - WANG, W. - et al. Effect of noise on deterministic joint remote preparation of an arbitrary two-qubit state, In QUANTUM INFORMATION PROCESSING, 2017, vol. 16, no. 5, UNSP 140., Registrované v: WOS

642. [1.1] WANG, M.-M. - QU, Z.-G. - WANG, W. - et al. Effect of noise on joint remote preparation of multi-qubit state, In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION, 2017, vol. 15, no. 2, 1750012., Registrované v: WOS

643. [1.1] WANG, Nian-Nian - MA, Song-Ya - LI, Xiang. Hierarchical controlled quantum communication via the chi state under noisy environment. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2020, vol. 35, no. 37, 2050306., Registrované v: WOS

644. [1.1] WANG, P. - SUN, Z. - SUN, X. Multi-party quantum key agreement protocol secure against collusion attacks, In QUANTUM INFORMATION PROCESSING, 2017, vol. 16, no. 7, UNSP 170., Registrované v: WOS

645. [1.1] WANG, Qing - SHI, Run-hua - CHEN, Zhang-kai - WANG, Sheng-lan. A Quantum Sealed Auction Protocol Based on Secret Sharing. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2019, vol. 58, no. 4, pp. 1128-1137., Registrované v: WOS

646. [1.1] WANG, Qingle - LI, Yuancheng - YU, Chaohang - HE, Hui - ZHANG, Kejia. Quantum anonymous ranking and selection with verifiability. In

- QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2020, vol. 19, no. 5, 166., Registrované v: WOS
647. [1.1] WANG, Q. et al. Self-tallying quantum anonymous voting . In PHYSICAL REVIEW A, 2016, vol. 94, no. 2, 022333., Registrované v: WOS
648. [1.1] WANG, Rui-jin - LI, Dong-fen - QIN, Zhi-guang. An Immune Quantum Communication Model for Dephasing Noise Using Four-Qubit Cluster State. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2016, vol. 55, no. 1, pp. 609-616., Registrované v: WOS
649. [1.1] WANG, Sha-Sha - XU, Guang-Bao - LIANG, Xiang-Qian - WU, Yu-Liang. Multiparty Quantum Key Agreement with Four-Qubit Symmetric W State. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2018, vol. 57, no. 12, pp. 3716-3726., Registrované v: WOS
650. [1.1] WANG, Tian-Yin - LIU, Ying-Zhao - WEI, Chun-Yan - CAI, Xiao-Qiu - MA, Jian-Feng. Security of a kind of quantum secret sharing with entangled states. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2017, vol. 7, 2485., Registrované v: WOS
651. [1.1] WANG, Tie-Jun et al. One-step hyperentanglement purification. In OPTICS EXPRESS, 2015, vol. 23, p. 9284-9294., Registrované v: WOS
652. [1.1] WANG, Tie-jun - GHOSE, Shohini. Control power of quantum channels is not multiplicative. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2020, vol. 22, no. 12, 123046., Registrované v: WOS
653. [1.1] WANG, Tie-Jun - WANG, Chuan. High-efficient entanglement distillation from photon loss and decoherence. In OPTICS EXPRESS. ISSN 1094-4087, 2015, vol. 23, no. 24, pp. 31550., Registrované v: WOS
654. [1.1] WANG, Tie-Jun - WANG, Chuan. Complete hyperentangled-Bell-state analysis for photonic qubits assisted by a three-level Lambda-type system. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2016, vol. 6, 19497., Registrované v: WOS
655. [1.1] WANG, Tie-jun - YANG, Guan-qun - WANG, Chuan. Control power of high-dimensional controlled teleportation. In PHYSICAL REVIEW A. ISSN 2469-9926, 2020, vol. 101, no. 1, 012323., Registrované v: WOS
656. [1.1] WANG, Xin-Wen et al. Manipulation of tripartite-to-bipartite entanglement localization. In JOURNAL OF PHYSICS B, 2015, vol. 48, 025502., Registrované v: WOS
657. [1.1] WANG, X.-J. - AN, L. -X. - YU, X.-T. - et al. Multilayer quantum secret sharing based on GHZ state and generalized Bell basis measurement in multiparty agents, In PHYSICS LETTERS A, 2017, vol. 381, no. 38, pp. 3282-3288., Registrované v: WOS
658. [1.1] WANG, X.-W. - TANG, S.-Q.- YUAN, J.-B. - et al. Distilling perfect GHZ states from two copies of non-GHZ-diagonal mixed states, In OPTICS COMMUNICATIONS, 2017, vol. 392, pp. 185-189., Registrované v: WOS
659. [1.1] WANG, Yijun - JIA, Bing - MAO, Yun - WU, Xuelin - GUO, Ying. Improving Continuous Variable Quantum Secret Sharing with Weak Coherent States. In APPLIED SCIENCES-BASEL, 2020, vol. 10, no. 7, 2411., Registrované v: WOS
660. [1.1] WANG, Yong. A four-state entanglement. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2015, vol. 54, p. 2031-2037., Registrované v: WOS

661. [1.1] WANG, Yu - TIAN, Caixing - SU, Qi - WANG, Meihong - SU, Xiaolong. Measurement-device-independent quantum secret sharing and quantum conference based on Gaussian cluster state. In SCIENCE CHINA-INFORMATION SCIENCES. ISSN 1674-733X, 2019, vol. 62, no. 7, 072501., Registrované v: WOS
662. [1.1] WANG, Yu-kun - ZHANG, Jie - HUANG, Wei - ZHANG, Jia-li - SUN, Ying. A Quantum Private Comparison Protocol with Splitting Information Carriers. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2015, vol. 54, no. 1, pp. 281., Registrované v: WOS
663. [1.1] WANG, Zhiqiang - HUANG, Caojun - TAN, Feng. Quantum Information Splitting of a Three-Qubit GHZ State via Maximally Entangled States. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2015, vol. 54, no. 7, pp. 2453., Registrované v: WOS
664. [1.1] WANG, Zi-Hang - YU, Wen-Xuan - WU, Xiao-Yuan - GAO, Cheng-Yan - ALZHRANI, Faris - HOBINY, Aatef - DENG, Fu-Guo. Efficient Entanglement Concentration of Nonlocal Two-Photon Polarization-Time-Bin Hyperentangled States. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2018, vol. 57, no. 3, pp. 664-673., Registrované v: WOS
665. [1.1] WANG, Z.-H. - WU, X.-Y. - YU, W.-X. - et al. Practical entanglement concentration of nonlocal polarization-spatial hyperentangled states with linear optics, In QUANTUM INFORMATION PROCESSING, 2017, vol. 16, no. 5, UNSP 141., Registrované v: WOS
666. [1.1] WEHNER, Stephanie - ELKOUSS, David - HANSON, Ronald. Quantum internet: A vision for the road ahead. In SCIENCE. ISSN 0036-8075, 2018, vol. 362, no. 6412, eaam9288., Registrované v: WOS
667. [1.1] WEI, Hai-Rui - LIU, Wen-Qiang - CHEN, Ning-Yang. Implementing a Two-Photon Three-Degrees-of-Freedom Hyper-Parallel Controlled Phase Flip Gate Through Cavity-Assisted Interactions. In ANNALEN DER PHYSIK. ISSN 0003-3804, 2020, vol. 532, no. 4, 1900578., Registrované v: WOS
668. [1.1] WEI, Chun-Yan - CAI, Xiao-Qiu - WANG, Tian-Yin - QIN, Su-Juan - GAO, Fei - WEN, Qiao-Yan. Error Tolerance Bound in QKD-Based Quantum Private Query. In IEEE JOURNAL ON SELECTED AREAS IN COMMUNICATIONS. ISSN 0733-8716, 2020, vol. 38, no. 3, pp. 517-527., Registrované v: WOS
669. [1.1] WEI, Kejin - YANG, Xiuqing - ZHU, Changhua - YIN, Zhen-Qiang. Quantum secret sharing without monitoring signal disturbance. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2018, vol. 17, no. 9, UNSP 230., Registrované v: WOS
670. [1.1] WEI, Yu-zhen - JIANG, Min. Multi-qudit state sharing via various high-dimensional Bell channels. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2015, vol. 14, no. 3, pp. 1091., Registrované v: WOS
671. [1.1] WEI, Zhao-Hui - ZHA, Xin-Wei - YU, Yan. Efficient Schemes of Joint Remote State Preparation for Two-Qubit Equatorial States. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2016, vol. 55, no. 11, pp. 5046-5054., Registrované v: WOS
672. [1.1] WEI, Z.-H. - ZHA, X.-W. - YU, Y. Efficient Schemes of Remote State Preparation for Four-Qubit Entangled Cluster-Type State Via Two

- Non-Maximally Entangled GHZ-Type States, In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2017, vol. 56, no. 4, pp. 1318-1325., Registrované v: WOS
673. [1.1] WILLIAMS, Brian P. - LUKENS, Joseph M. - PETERS, Nicholas A. - QI, Bing - GRICEL, Warren P. Quantum secret sharing with polarization-entangled photon pairs. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 99, no. 6, 062311., Registrované v: WOS
674. [1.1] WON, Kitak - HEO, Jino - YOON, Chun Seok - CHOI, Ji-Woong - YANG, Hyung-Jin. Quantum Signature Scheme for Participant Attack. In JOURNAL OF THE KOREAN PHYSICAL SOCIETY. ISSN 0374-4884, 2019, vol. 75, no. 4, pp. 271-276., Registrované v: WOS
675. [1.1] WOODHEAD, Erik - BOURDONCLE, Boris - ACIN, Antonio. Randomness versus nonlocality in the Mermin-Bell experiment with three parties. In QUANTUM. ISSN 2521-327X, 2018, vol. 2., Registrované v: WOS
676. [1.1] WU YING - LI JIN-FANG - LIU JIN-MING. Enhancement of quantum Fisher information of quantum teleportation by optimizing partial measurements. In ACTA PHYSICA SINICA. ISSN 1000-3290, 2018, vol. 67, no. 14, 140304., Registrované v: WOS
677. [1.1] WU, E. Five-Partite Continuous-Variable Quantum State Sharing. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2020, vol. 59, no. 5, pp. 1598-1604., Registrované v: WOS
678. [1.1] WU, F.Z. - YANG, G. - WANG, H.B. - et al. High-capacity quantum secure direct communication with two-photon six-qubit hyperentangled states, In SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY, 2017, vol. 60, no. 12, 120313., Registrované v: WOS
679. [1.1] WU, Hao - ZHA, Xin-Wei - YANG, Yu-Quan. Controlled Bidirectional Hybrid of Remote State Preparation and Quantum Teleportation via Seven-Qubit Entangled State. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2018, vol. 57, no. 1, pp. 28-35., Registrované v: WOS
680. [1.1] WU, CH. - YANG, L. Qubit-wise teleportation and its application in public-key secret communication, In SCIENCE CHINA-INFORMATION SCIENCES, 2017, vol. 60, no. 3, 032501., Registrované v: WOS
681. [1.1] WU, Jin-Lei - SU, Shi-Lei. Auxiliary-qubit-driving-induced entanglement and logic gate. In EPL. ISSN 0295-5075, 2019, vol. 126, no. 3, 30001., Registrované v: WOS
682. [1.1] WU, Linsen - CHEN, Yuhua. Three-Stage Quantum Cryptography Protocol under Collective-Rotation Noise. In ENTROPY. ISSN 1099-4300, 2015, vol. 17, no. 5, pp. 2919., Registrované v: WOS
683. [1.1] WU, Xiaodong - WANG, Yijun - HUANG, Duan. Passive continuous-variable quantum secret sharing using a thermal source. In PHYSICAL REVIEW A. ISSN 2469-9926, 2020, vol. 101, no. 2, 022301., Registrované v: WOS
684. [1.1] WU, Y. et al. Continuous-variable measurement-device-independent multipartite quantum communication . In PHYSICAL REVIEW A, 2016, vol. 93, no. 2, 022325., Registrované v: WOS
685. [1.1] XIANG Gao - SHIBIN Zhang - YAN Chang. Semiquantum key distribution with secure delegated quantum computation, In International Journal of Theoretical Physics, 2017, vol. 56, no. 8, pp 2512–2520., Registrované v:

WOS

686. [1.1] XIANG, Yi - LIU, Jun - BAI, Ming-qiang - YANG, Xue - MO, Zhi-wen. Limited Resource Semi-Quantum Secret Sharing Based on Multi-Level Systems. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2019, vol. 58, no. 9, pp. 2883-2892., Registrované v: WOS
687. [1.1] XIANG, Yu - SU, Xiaolong - MISTA, Ladislav - ADESSO, Gerardo - HE, Qiongyi. Multipartite Einstein-Podolsky-Rosen steering sharing with separable states. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 99, no. 1, 010104., Registrované v: WOS
688. [1.1] XIANG, Y. - KOGIAS, I. - ADESSO, G. - et al. Multipartite Gaussian steering: Monogamy constraints and quantum cryptography applications, In PHYSICAL REVIEW A, 2017, vol. 95, no. 1, 010101., Registrované v: WOS
689. [1.1] XIANG, Y. - MO, Z.W. Quantum secret sharing protocol based on four-dimensional three-particle entangled states . In MODERN PHYSICS LETTERS B, 2016, vol. 30, no. 2, 1550267., Registrované v: WOS
690. [1.1] XIANG, Y. - SUN, F. X. - WANG, M. - GONG, Q. H. - HE, Q. Y. Detection of genuine tripartite entanglement and steering in hybrid optomechanics. In OPTICS EXPRESS. ISSN 1094-4087, 2015, vol. 23, no. 23, pp. 30104., Registrované v: WOS
691. [1.1] XIAO, Hao - HUANG, Wen-Hua - ZHOU, Mi. An efficient Quantum Private Query Protocol Based on Oracle and Grover Iteration. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2019, vol. 58, no. 9, pp. 3025-3035., Registrované v: WOS
692. [1.1] XIAO, Heling - WANG, Huifeng - WANG, Bin. Quantum Ramp Secret Sharing Scheme and Quantum Operations. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2016, vol. 55, no. 9, pp. 3807-3815., Registrované v: WOS
693. [1.1] XIE, Chen - LI, Lvzhou - QIU, Daowen. A Novel Semi-Quantum Secret Sharing Scheme of Specific Bits. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2015, vol. 54, no. 10, pp. 3819., Registrované v: WOS
694. [1.1] XIE, Chen - LI, Lvzhou - SITU, Haozhen - HE, Jianhao. Semi-quantum Secure Direct Communication Scheme Based on Bell States. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2018, vol. 57, no. 6, pp. 1881-1887., Registrované v: WOS
695. [1.1] XIE, Chuanmei - LIU, Yimin - XING, Hang - CHEN, Jianlan - ZHANG, Zhanjun. Quantum correlation swapping. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2015, vol. 14, no. 2, pp. 653., Registrované v: WOS
696. [1.1] XIE, ChuanMei - LIU, YiMin - CHEN, JianLan - YIN, XiaoFeng - ZHANG, ZhanJun. Quantum entanglement swapping of two arbitrary biqubit pure states. In SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY. ISSN 1674-7348, 2016, vol. 59, no. 10, 100314., Registrované v: WOS
697. [1.1] XIE, Chuanmei - LIU, Yimin - CHEN, Jianlan - ZHANG, Zhanjun. Quantum correlation swapping in parallel and antiparallel two-qubit mixed states. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2019, vol. 18, no. 4, 106., Registrované v: WOS
698. [1.1] XIE, Chuanmei - ZHANG, Zhanjun - CHEN, Jianlan - YIN,

- Xiaofeng. Analytic Expression of Quantum Discords in Werner States under LQCC. In ENTROPY, 2020, vol. 22, no. 2, 147., Registrované v: WOS
699. [1.1] XIE, Ch. et al. Probabilistic three-party sharing. In ENTROPY, 2015, vol. 17, p. 841-851., Registrované v: WOS
700. [1.1] XIE, CH. - LIU, Y. - CHEN, J. - et al. Quantum correlations in a family of bipartite separable qubit states, In QUANTUM INFORMATION PROCESSING, 2017, vol. 16, no. 3, UNSP 71., Registrované v: WOS
701. [1.1] XIE, Shu-Cui - XUE, Man-Mang - ZHANG, Jian-Zhong. Cryptanalysis and Improvement of Multiparty Quantum Sealed-bid Auction. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2020, vol. 59, no. 8, pp. 2354-2361., Registrované v: WOS
702. [1.1] XING GUI-CHAO - XIA YUN-JIE. Entanglement dynamics of three atoms in optical cavity coupled to reservoir. In ACTA PHYSICA SINICA. ISSN 1000-3290, 2018, vol. 67, no. 7, 070301., Registrované v: WOS
703. [1.1] XIONG, Kuangwei - ZHAO, Yan - LIAO, Yanlin - ZHANG, Wen. Preparation of Six-photon Cluster State and Quantum State Sharing of Unknown Two-photon State Based on Weak Cross-Kerr Nonlinearity. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2015, vol. 54, no. 9, pp. 3203., Registrované v: WOS
704. [1.1] XIONG, Xiao - YOU, Jia-Bin - BAI, Ping - PENG, Ching Eng - ZHOU, Zhang-Kai - WU, Lin. Ultrastrong coupling in single plexcitonic nanocubes. In NANOPHOTONICS. ISSN 2192-8606, 2020, vol. 9, no. 2, pp. 257-266., Registrované v: WOS
705. [1.1] XIU, Xiao-Ming - CUI, Cen - LIN, Yan-Fang - DONG, Li - DONG, Hai-Kuan - GAO, Ya-Jun. Splitting and acquiring quantum information with perfect W states based on weak cross-Kerr nonlinearities. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS. ISSN 2050-3911, 2018, no. 1, 013A03., Registrované v: WOS
706. [1.1] XI, Ya - ZHANG, Tinggui - ZHENG, Zhu-Jun - LI-JOST, Xianqing - FEI, Shao-Ming. Converting quantum coherence to genuine multipartite entanglement and nonlocality. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 2, 022310., Registrované v: WOS
707. [1.1] XUE, Man-Mang - ZHANG, Jian-Zhong - XIE, Shu-Cui. An Efficient Quantum Sealed Bidding Auction Scheme Based on the Correlation of Genuine Five-Qubit Entangled State. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2019, vol. 58, no. 11, pp. 3863-3870., Registrované v: WOS
708. [1.1] XUE, P. - WANG, K. - WANG, X. Efficient multiuser quantum cryptography network based on entanglement, In SCIENTIFIC REPORTS, 2017, vol. 7, 45928., Registrované v: WOS
709. [1.1] XU, Feihu - MA, Xiongfeng - ZHANG, Qiang - LO, Hoi-Kwong - PAN, Jian-Wei. Secure quantum key distribution with realistic devices. In REVIEWS OF MODERN PHYSICS. ISSN 0034-6861, 2020, vol. 92, no. 2, 025002., Registrované v: WOS
710. [1.1] XU, J. - YU, L. - WU, J.-L. - et al. Invariants-based shortcuts for fast generating Greenberger-Horne-Zeilinger state among three superconducting qubits, In CHINESE PHYSICS B, 2017, vol. 26, no. 9, 090301., Registrované v: WOS
711. [1.1] XU, Ling - ZHAO, Zhi-wen. High-capacity quantum private comparison protocol with two-photon hyperentangled Bell states in

- multiple-degree of freedom. In EUROPEAN PHYSICAL JOURNAL D. ISSN 1434-6060, 2019, vol. 73, no. 3, 58., Registrované v: WOS
712. [1.1] Xu, Nan. Preparation of Non-Maximally Entangled States in the Atom-Cavity Systems, In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2017, vol. 56, no. 7, pp. 2158-2160., Registrované v: WOS
713. [1.1] XU, Shu-Jiang - CHEN, Xiu-Bo - WANG, Lian-Hai - DING, Qing-Yan - ZHANG, Shu-Hui. An Improved Quantum Information Hiding Protocol Based on Entanglement Swapping of chi-type Quantum States. In COMMUNICATIONS IN THEORETICAL PHYSICS. ISSN 0253-6102, 2016, vol. 65, no. 6, pp. 705-710., Registrované v: WOS
714. [1.1] XU, Ting-Ting - LI, Zhi-Hui - BAI, Chen-Ming - MA, Min. A New Improving Quantum Secret Sharing Scheme. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2017, vol. 56, no. 4, pp. 1308-1317., Registrované v: WOS
715. [1.1] XU, T. - YE, T.-Y. Cryptanalysis and Improvement for the Quantum Private Comparison Protocol Based on Triplet Entangled State and Single-Particle Measurement, In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2017, vol. 56, no. 3, pp. 771-780., Registrované v: WOS
716. [1.1] XU, Wenling - WANG, Tiejun - CAO, Cong - WANG, Chuan. High dimensional quantum logic gates and quantum information processing. In CHINESE SCIENCE BULLETIN-CHINESE. ISSN 0023-074X, 2019, vol. 64, no. 16, pp. 1691-1701., Registrované v: WOS
717. [1.1] YADAV, Preeti - MATEUS, Paulo - PAUNKOVIC, Nikola - SOUTO, Andre. Quantum Contract Signing with Entangled Pairs. In ENTROPY, 2019, vol. 21, no. 9, 821., Registrované v: WOS
718. [1.1] YAMASAKI, Hayata - MURAO, Mio. Distributed Encoding and Decoding of Quantum Information over Networks. In ADVANCED QUANTUM TECHNOLOGIES, 2019, vol. 2, no. 1-2., Registrované v: WOS
719. [1.1] YAMASAKI, H. - SOEDA, A. - MURAO, M. Graph-associated entanglement cost of a multipartite state in exact and finite-block-length approximate constructions, In PHYSICAL REVIEW A, 2017, vol. 96, no. 3, 032330., Registrované v: WOS
720. [1.1] YANG L. - MA H.-Y. - ZHENG, CH. - et al. Quantum communication scheme based on quantum teleportation, In ACTA PHYSICA SINICA, 2017, vol. 66, no. 23, 230303., Registrované v: WOS
721. [1.1] YANG YING - CAO HUI-XIN. General method of constructing entanglement witness. In ACTA PHYSICA SINICA. ISSN 1000-3290, 2018, vol. 67, no. 7, 070303., Registrované v: WOS
722. [1.1] YANG, Fan - YANG, Guowu - HAO, Yujie - LUO, Qingbin - WANG, Yuqi. Security analysis of multi-party quantum private comparison protocol by model checking. In MODERN PHYSICS LETTERS B. ISSN 0217-9849, 2015, vol. 29, no. 18, 1550089., Registrované v: WOS
723. [1.1] YANG, F. - YANG, G. - HAO, Y. The modeling library of eavesdropping methods . In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2016, vol. 55, pp. 3414-3427., Registrované v: WOS
724. [1.1] YANG, Guang - LIAN, Bao-Wang - NIE, Min. Decoherence suppression for three-qubit W-like state using weak measurement and iteration method. In CHINESE PHYSICS B. ISSN 1674-1056, 2016, vol. 25, no. 8,

080310., Registrované v: WOS

725. [1.1] YANG, Hui-Yi - YE, Tian-Yu. Secure multi-party quantum summation based on quantum Fourier transform. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2018, vol. 17, no. 6, UNSP 129., Registrované v: WOS

726. [1.1] YANG, Chui-Ping - SU, Qi-Ping - ZHENG, Shi-Biao - NORI, Franco. Entangling superconducting qubits in a multi-cavity system. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2016, vol. 18, 013025., Registrované v: WOS

727. [1.1] YANG, Chui-Ping - ZHENG, Zhen-Fei. Deterministic generation of Greenberger-Horne-Zeilinger entangled states of cat-state qubits in circuit QED. In OPTICS LETTERS. ISSN 0146-9592, 2018, vol. 43, no. 20, pp. 5126-5129., Registrované v: WOS

728. [1.1] YANG, Chun-Wei - TSAI, Chia-Wei. Efficient and secure dynamic quantum secret sharing protocol based on bell states. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2020, vol. 19, no. 5, 162., Registrované v: WOS

729. [1.1] YANG, Chun-Wei - TSAI, Chia-Wei. Improved dynamic multiparty quantum direct secret sharing protocol based on generalized GHZ states to prevent collusion attack. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2020, vol. 35, no. 8, 2050040., Registrované v: WOS

730. [1.1] YANG, Chun-Wei - TSAI, Chia-Wei. Participant attack and improving dynamic quantum secret sharing using d-dimensional GHZ state. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2020, vol. 35, no. 6, 2050024., Registrované v: WOS

731. [1.1] YANG, R.-C. - YE, L.-X. - LIN, X. - et al. Adiabatic Generation of N-quNit Singlet States with Cavity QED, In SCIENTIFIC REPORTS, 2017, vol. 7, 45756., Registrované v: WOS

732. [1.1] YANG, Xiuqing - WEI, Kejin - MA, Haiqiang - LIU, Hongwei - YIN, Zhenqiang - CAO, Zhu - WU, Ligan. Detector-device-independent quantum secret sharing with source flaws. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2018, vol. 8, 5728., Registrované v: WOS

733. [1.1] YANG, Xue - BAI, Ming-qiang - MO, Zhi-wen - XIANG, Yi. Bidirectional and cyclic quantum dense coding in a high-dimension system. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2020, vol. 19, no. 2, 43., Registrované v: WOS

734. [1.1] YANG, Yaming - LI, Dongfen - LIU, Mingzhe - CHEN, Jinlian. Quantum Information Splitting of Arbitrary Two-Qubit State Via a Five-Qubit Cluster State and a Bell-State. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2020, vol. 59, no. 1, pp. 187-199., Registrované v: WOS

735. [1.1] YANG, Yong - JIANG, Min - ZHOU, LiuLei. Improving the Teleportation Scheme of Five-Qubit State with a Seven-Qubit Quantum Channel. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2018, vol. 57, no. 11, pp. 3485-3491., Registrované v: WOS

736. [1.1] YANG, Yu-Guang - GAO, Shang - ZHOU, Yi-Hua - SHI, Wei-Min. New Secure Quantum Dialogue Protocols over Collective Noisy Channels. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2019, vol. 58, no. 9, pp. 2810-2822., Registrované v: WOS

737. [1.1] YANG, Yu-Guang - GAO, Shang - LI, Dan - ZHOU, Yi-Hua -

SHI, Wei-Min. Three-party quantum secret sharing against collective noise. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2019, vol. 18, no. 7, 215., Registrované v: WOS

738. [1.1] YANG, Yu-Guang - GAO, Shang - LI, Dan - ZHOU, Yi-Hua - SHI, Wei-Min. Two-party quantum key agreement over a collective noisy channel. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2019, vol. 18, no. 3, 74., Registrované v: WOS

739. [1.1] YANG, Yu-Guang - LI, Bo-Ran - LI, Dan - ZHOU, Yi-Hua - SHI, Wei-Min. New quantum key agreement protocols based on Bell states. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2019, vol. 18, no. 10, 322., Registrované v: WOS

740. [1.1] YANG, Yu-Guang - LI, Bo-Ran - KANG, Shuang-Yong - CHEN, Xiu-Bo - ZHOU, Yi-Hua - SHI, Wei-Min. New quantum key agreement protocols based on cluster states. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2019, vol. 18, no. 3, 77., Registrované v: WOS

741. [1.1] YANG, Yu-Quan - ZHA, Xin-Wei - YU, Yan. Asymmetric Bidirectional Controlled Teleportation via Seven-qubit Cluster State. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2016, vol. 55, no. 10, pp. 4197-4204., Registrované v: WOS

742. [1.1] YANG, Y.-F. - CHEN, Y.-H. - WU, Q.-CH. - et al. Rapid generation of a three-dimensional entangled state for two atoms trapped in a cavity via shortcuts to adiabatic passage, In QUANTUM INFORMATION PROCESSING, 2017, vol. 16, no. 1., Registrované v: WOS

743. [1.1] YANG, Y.-H. et al. Quantum secret sharing via local operations. In SCIENTIFIC REPORTS, 2015, vol. 5, 16967., Registrované v: WOS

744. [1.1] YAN, Li - SHAO, Qing. Quantum State Sharing in the Driven CQED Systems. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2016, vol. 55, no. 4, pp. 1973-1976., Registrované v: WOS

745. [1.1] YAN, Xing-Yu - GONG, Li-Hua - CHEN, Hua-Ying - ZHOU, Nan-Run. New Quantum Key Distribution Scheme Based on Random Hybrid Quantum Channel with EPR Pairs and GHZ States. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2018, vol. 57, no. 9, pp. 2648-2656., Registrované v: WOS

746. [1.1] YE CHONG-QIANG - YE TIAN-YU. Circular Multi-Party Quantum Private Comparison with n-Level Single-Particle States. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2019, vol. 58, no. 4, pp. 1282-1294., Registrované v: WOS

747. [1.1] Ye Tian Yu. Fault tolerant channel. In SCIENCE CHINA-PHYSICS MECHANICS a. ASTRONOMY, 2015, vol. 58,M 040301., Registrované v: WOS

748. [1.1] YE, Biao-Liang - XUE, Li-Yuan - FANG, Yu-Liang - LIU, Sheng - WU, Qi-Cheng - ZHOU, Yan-Hui - YANG, Chui-Ping. Quantum coherence and quantum Fisher information in the XXZ system. In PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES. ISSN 1386-9477, 2020, vol. 115, 113690., Registrované v: WOS

749. [1.1] YE, Chong-Qiang - YE, Tian-Yu. Circular Semi-Quantum Secret Sharing Using Single Particles. In COMMUNICATIONS IN THEORETICAL PHYSICS. ISSN 0253-6102, 2018, vol. 70, no. 6, pp. 661-671., Registrované v: WOS

750. [1.1] YE, Chong-Qiang - YE, Tian-Yu. Multi-party quantum private comparison of size relation with d-level single-particle states. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2018, vol. 17, no. 10, UNSP 252., Registrované v: WOS
751. [1.1] YE, Tian-Yu - YE, Chong-Qiang. Measure-Resend Semi-Quantum Private Comparison Without Entanglement. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2018, vol. 57, no. 12, pp. 3819-3834., Registrované v: WOS
752. [1.1] YE, Tian-Yu - YE, Chong-Qiang. Semi-quantum Dialogue Based on Single Photons. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2018, vol. 57, no. 5, pp. 1440-1454., Registrované v: WOS
753. [1.1] YE, T.Y. - JI, Z.X. Multi-user quantum private comparison with scattered preparation and one-way convergent transmission of quantum states, In SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY, 2017, vol. 60, no. 9, 090312., Registrované v: WOS
754. [1.1] YE, T.-Y. Quantum authencryption with two-photon . In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2016, vol. 55, pp. 867-874., Registrované v: WOS
755. [1.1] YE, T.-Y. Quantum Private Comparison via Cavity QED, In COMMUNICATIONS IN THEORETICAL PHYSICS, 2017, vol. 67, no. 2, pp. 147-156., Registrované v: WOS
756. [1.1] YE, T.-Y. - Ji, Z.-X. Two-Party Quantum Private Comparison with Five-Qubit Entangled States, In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2017, vol. 56, no. 5, pp. 1517-1529., Registrované v: WOS
757. [1.1] YIN, Ai Han - TONG, Yan. A novel semi-quantum secret sharing scheme using entangled states. In MODERN PHYSICS LETTERS B. ISSN 0217-9849, 2018, vol. 32, no. 22, 1850256., Registrované v: WOS
758. [1.1] YIN, Aihan - FU, Fangbo. Cryptanalysis and improvement of multiparty semiquantum secret sharing based on rearranging orders of qubits. In MODERN PHYSICS LETTERS B. ISSN 0217-9849, 2016, vol. 30, no. 35, 1650415., Registrované v: WOS
759. [1.1] YIN, Aihan - WANG, Zefan - FU, Fangbo. A novel semi-quantum secret sharing scheme based on Bell states. In MODERN PHYSICS LETTERS B. ISSN 0217-9849, 2017, vol. 31, no. 13, 1750150., Registrované v: WOS
760. [1.1] YIN, A. WANG, J. Quantum information splitting of arbitrary. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2016, vol. 55, pp. 5250-5264., Registrované v: WOS
761. [1.1] YIN, A. - FU, F. Eavesdropping on semi-quantum secret sharing scheme of specific bits. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2016, vol. 55, pp. 4027-4035., Registrované v: WOS
762. [1.1] YIN, Hua-Lei - FU, Yao - CHEN, Zeng-Bing. Practical quantum digital signature. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 93, no. 3, 032316., Registrované v: WOS
763. [1.1] YIN, H.-L. - FU, Y. - LIU, H. - et al. Experimental quantum digital signature over 102 km, In PHYSICAL REVIEW A, 2017, vol. 95, no. 3, 032334., Registrované v: WOS
764. [1.1] YIN, Liuguo - PAN, Dong - LONG, Gui-Lu. Quantum Secure

- Direct Communication: A Survey of Basic Principle and Recent Development. In JURNAL FIZIK MALAYSIA. ISSN 0128-0333, 2018, vol. 39, no. 2, pp. 10001-10006., Registrované v: WOS
765. [1.1] YUAN, Hao - PAN, Guo-zhu. Improving the Bidirectional Quantum Teleportation Scheme via Five-qubit Cluster State. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2020, vol. 59, no. 11, pp. 3387-3395., Registrované v: WOS
766. [1.1] YUAN, Hao - YANG, Huan. Optimized Bidirectional Quantum Operation Teleportation with Three Bell States. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2020, vol. 59, no. 8, pp. 2639-2646., Registrované v: WOS
767. [1.1] YUAN, Jibing - TANG, Shiqing - WANG, Xinwen - ZHANG, Dengyu. One-step distillation of local-unitary-equivalent GHZ-type states. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2018, vol. 17, no. 10, UNSP 259., Registrované v: WOS
768. [1.1] YU, Kun-Fei - GU, Jun - HWANG, Tzonelih - GOPE, Prosanta. Multi-party semi-quantum key distribution-convertible multi-party semi-quantum secret sharing. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2017, vol. 16, no. 8, UNSP 194., Registrované v: WOS
769. [1.1] YU, R.-F. - LIN, Y.-J. - ZHOU, P. Joint remote preparation of arbitrary two-and three-photon state. In QUANTUM INFORMATION PROCESSING, 2016, vol. 15, pp. 4785-4803., Registrované v: WOS
770. [1.1] YU, Xin-Yu - ZHAO, Hui. Separability of Tripartite Quantum States with Strong Positive Partial Transposes. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2015, vol. 54, no. 1, pp. 292., Registrované v: WOS
771. [1.1] YU, Yan - ZHAO, Nan. General quantum broadcast and multi-cast communications based on entanglement. In OPTICS EXPRESS. ISSN 1094-4087, 2018, vol. 26, no. 22, pp. 29296-29310., Registrované v: WOS
772. [1.1] ZANG, Xue-Ping - YANG, Ming - WANG, Xian-Cai - SONG, Wei - CAO, Zhuo-Liang. Fusion of W states in a cavity quantum electrodynamic system. In CANADIAN JOURNAL OF PHYSICS. ISSN 0008-4204, 2015, vol. 93, no. 5, pp. 556., Registrované v: WOS
773. [1.1] ZAREI, Mohammad Hossein - MONTAKHAB, Afshin. Dual correspondence between classical spin models and quantum Calderbank-Shor-Steane states. In PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 98, no. 1, 012337., Registrované v: WOS
774. [1.1] ZAREPOUR-AHMADABADI, Jamal - AHMADABADI, MohammadEbrahim Shiri - LATIF, AliMohammad. An adaptive secret image sharing with a new bitwise steganographic property. In INFORMATION SCIENCES. ISSN 0020-0255, 2016, vol. 369, no., pp. 467-480., Registrované v: WOS
775. [1.1] ZAWADZKI, Piotr. Quantum identity authentication without entanglement. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2019, vol. 18, no. 1, 7., Registrované v: WOS
776. [1.1] ZENG, Zhi - WANG, Chun - LI, Xi Han - WEI, Hua. Deterministic arbitrary multi-photon entanglement sharing via noisy channels. In LASER PHYSICS LETTERS. ISSN 1612-2011, 2015, vol. 12, no. 1, 015201., Registrované v: WOS
777. [1.1] ZHANG, Bo - LIU, Xingtong - WANG, Jian - TANG,

Chaojing. Cryptanalysis and improvement of quantum private comparison of equality protocol without a third party. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2015, vol. 14, no. 12, pp. 4593., Registrované v: WOS

778. [1.1] ZHANG, Cai - SUN, Zhi-Wei - HUANG, Xiang - LONG, Dong-Yang. Three-party quantum summation without a trusted third party. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION. ISSN 0219-7499, 2015, vol. 13, no. 2, 1550011., Registrované v: WOS

779. [1.1] ZHANG, C. - SITU, H. - HUANG, Q. - et al. Multi-party quantum summation without a trusted third party based on single particles, In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION, 2017, vol., no. 2, 1750010., Registrované v: WOS

780. [1.1] ZHANG, C. - SITU, H. - HUANG, Q. - SUN, Z. - HUANG, Z. Multi-party quantum summation with a single d-level quantum system. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION. ISSN 0219-7499, 2019, vol. 17, no. 3, 1950027., Registrované v: WOS

781. [1.1] ZHANG, Hao - ALSAEDI, Ahmed - HAYAT, Tasawar - DENG, Fu-Guo. Entanglement concentration and purification of two-mode squeezed microwave photons in circuit QED. In ANNALS OF PHYSICS. ISSN 0003-4916, 2018, vol. 391, pp. 112-119., Registrované v: WOS

782. [1.1] ZHANG, Huanguo - JI, Zhaoxu - WANG, Houzhen - WU, Wanqing. Survey on Quantum Information Security. In CHINA COMMUNICATIONS. ISSN 1673-5447, 2019, vol. 16, no. 10, pp. 1-36., Registrované v: WOS

783. [1.1] ZHANG, H. - WANG, H. Entanglement concentration of microwave photons based on the Kerr effect in circuit QED, In PHYSICAL REVIEW A, 2017, vol. 95, no. 5, 052314., Registrované v: WOS

784. [1.1] ZHANG, Chang-yue - BAI, Ming-qiang - ZHOU, Si-qi. Cyclic joint remote state preparation in noisy environment. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2018, vol. 17, no. 6, UNSP 146., Registrované v: WOS

785. [1.1] ZHANG, Chang-yue - BAI, Ming-qiang. Multi-Hop Cyclic Joint Remote State Preparation. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2020, vol. 59, no. 4, pp. 1277-1290., Registrované v: WOS

786. [1.1] ZHANG, J. Advances in InGaAs/InP single-photon detector systems. In LIGHT-SCIENCE a. APPLICATIONS, 2015, vol. 4, e286., Registrované v: WOS

787. [1.1] ZHANG, Kejia - MA, Chunguang - SUN, Zhiwei - ZHANG, Xue - ZHOU, Baomin - WANG, Yukun. Privacy-Preserving Decision Protocols Based on Quantum Oblivious Key Distribution. In CMC-COMPUTERS MATERIALS & CONTINUA. ISSN 1546-2218, 2020, vol. 64, no. 3, pp. 1915-1928., Registrované v: WOS

788. [1.1] ZHANG, Ke-Jia - JIA, Heng-Yue. Cryptanalysis of a Quantum Proxy Weak Blind Signature Scheme. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2015, vol. 54, no. 2, pp. 582., Registrované v: WOS

789. [1.1] ZHANG, Ke-Jia - KWEK, Leong-Chuan - MA, Chun-Guang - ZHANG, Long - SUN, Hong-Wei. Security analysis with improved design of post-confirmation mechanism for quantum sealed-bid auction with single

photons. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2018, vol. 17, no. 2, UNSP 38., Registrované v: WOS

790. [1.1] ZHANG, Ke-jia - ZHANG, Xue - JIA, Heng-yue - ZHANG, Long. A new n-party quantum secret sharing model based on multiparty entangled states. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2019, vol. 18, no. 3, 81., Registrované v: WOS

791. [1.1] ZHANG, K. et al. A potential application in quantum networks. In SCIENCE CHINA-PHYSICS MECHANICS A. ASTRONOMY, 2016, vol. 59, no. 6, 660302., Registrované v: WOS

792. [1.1] ZHANG, Li - CAO, Cong - HAN, Yu-Hong - YI, Xin - YIN, Pan-Pan - FAN, Ling - ZHANG, Ru. Error-Detected Generation of High-Fidelity Photonic Hyperentanglement in Polarization-Spatial-Time Three Degrees of Freedom Assisted by Quantum-Dot Spins. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2020, vol. 59, no. 12, pp. 4025-4039., Registrované v: WOS

793. [1.1] ZHANG, Long - LI, Shuang - ZHANG, Ke-Jia - SUN, Hong-Wei. Cryptanalysis and Improvement of Some Quantum Proxy Blind Signature Schemes. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2019, vol. 58, no. 4, pp. 1047-1059., Registrované v: WOS

794. [1.1] ZHANG, L. - SUN, H.-W. - ZHANG, K.-J. - et al. An improved arbitrated quantum signature protocol based on the key-controlled chained CNOT encryption, In QUANTUM INFORMATION PROCESSING, 2017, vol. 16, no. 3, UNSP 70., Registrované v: WOS

795. [1.1] ZHANG, M.-H. - LI, H.-F. - XIA, Z.-Q. - et al. Semiquantum secure direct communication using EPR pairs, In QUANTUM INFORMATION PROCESSING, 2017, vol. 16, no. 5, UNSP 117., Registrované v: WOS

796. [1.1] ZHANG, Qun-Yong - XUE, Guang-Tai - XU, Ping - GONG, Yan-Xiao - XIE, Zhenda - ZHU, Shining. Manipulation of tripartite frequency correlation under extended phase matchings. In PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 97, no. 2, 022327., Registrované v: WOS

797. [1.1] ZHANG, Rui - SHI, Run-hua - QIN, Jia-qi - PENG, Zhen-wan. An economic and feasible Quantum Sealed-bid Auction protocol. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2018, vol. 17, no. 2, UNSP 35., Registrované v: WOS

798. [1.1] ZHANG, Shibin - CHANG, Yan - YAN, Lili - SHENG, Zhiwei - YANG, Fan - HAN, Guihua - HUANG, Yuanyuan - XIA, Jinyue. Quantum Communication Networks and Trust Management: A Survey. In CMC-COMPUTERS MATERIALS & CONTINUA. ISSN 1546-2218, 2019, vol. 61, no. 3, pp. 1145-1174., Registrované v: WOS

799. [1.1] ZHANG, Shun - CHEN, Zhang-Kai - SHI, Run-Hua - LIANG, Feng-Yu. A novel quantum identity authentication based on Bell states. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2020, vol. 59, no. 1, pp. 236-249., Registrované v: WOS

800. [1.1] ZHANG, S.-S. - SHU, Q. - ZHOU, L. - et al. Multi-copy entanglement purification with practical spontaneous parametric down conversion sources, In CHINESE PHYSICS B, 2017, vol. 26, no. 6, 060307., Registrované v: WOS

801. [1.1] ZHANG, W. - DING, D.-S. - SHENG, Y.-B. - et al. Quantum Secure Direct Communication with Quantum Memory, In PHYSICAL REVIEW

- LETTERS, 2017, vol. 118, no. 22, 220501., Registrované v: WOS
802. [1.1] ZHANG, X. - CHEN, Y.-H. - WU, Q.-CH. - et al. Generation of three-qubit Greenberger-Horne-Zeilinger state of superconducting qubits via transitionless quantum driving, In LASER PHYSICS, 2017, vol. 27, no. 1, 015202., Registrované v: WOS
803. [1.1] ZHANG, X. - WENG, J. - TAN, X. - et al. Indistinguishability of pure orthogonal product states by LOCC, In QUANTUM INFORMATION PROCESSING, 2017, vol. 16, no. 7, UNSP 168., Registrované v: WOS
804. [1.1] ZHANG, Yun-Guang - DOU, Ge - ZHA, Xin-Wei. Controlled Remote State Preparation of an Arbitrary Two-Qubit State by Using Two Sets of Four-Qubit GHZ States. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2018, vol. 57, no. 2, pp. 506-515., Registrované v: WOS
805. [1.1] ZHANG, Yu-Xin - CAO, Cong - WANG, Tie-Jun - WANG, Chuan. The Study of Security During Quantum Dense Coding in High-Dimensions. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2020, vol. 59, no. 7, pp. 1957-1965., Registrované v: WOS
806. [1.1] ZHANG, Zhanjun - XIE, Chuanmei - YE, Biaoliang. Teleportation with Mixing State from Two Bell States Due to Qubit Confusion. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2020, vol. 59, no. 10, pp. 3249-3255., Registrované v: WOS
807. [1.1] ZHANG, Zhanjun - YUAN, Hao - XIE, Chuanmei - YE, Biaoliang. Quantum state sharing with mixing state from six-qubit entangled pure one. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2020, vol. 35, no. 32, 2050264., Registrované v: WOS
808. [1.1] ZHANG, Zhanjun - ZHANG, Lei - ZHUGE, Bin - YUAN, Hao - YE, Biaoliang. Tripartite Quantum Operation Sharing with a Six-Qubit Absolutely Maximally Entangled State. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2020., Registrované v: WOS
809. [1.1] ZHANG, Zuo-Yuan - WEI, Daxiu - HU, Zhengfeng - LIU, Jin-Ming. EPR steering of polar molecules in pendular states and their dynamics under intrinsic decoherence. In RSC ADVANCES. ISSN 2046-2069, 2018, vol. 8, no. 63, pp. 35928-35935., Registrované v: WOS
810. [1.1] ZHANG, H. - LIU, Q. - XU, X.-S. - et al. Polarization entanglement purification of nonlocal microwave photons based on the cross-Kerr effect in circuit QED, In PHYSICAL REVIEW A, 2017, vol. 96, no. 5, 052330., Registrované v: WOS
811. [1.1] ZHAO, B. et al. An efficient scheme. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2015, vol. 54, p. 2977-2990., Registrované v: WOS
812. [1.1] ZHAO, G. Quantum secure communication protocol. In INTERNATIONAL JOURNAL OF SECURITY AND ITS APPLICATIONS, 2015, vol. 9, p. 267-274., Registrované v: WOS
813. [1.1] ZHAO, Hui - ZHANG, Mei-Ming - JING, NaiHuan - WANG, Zhi-Xi. Separability criteria based on Bloch representation of density matrices. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2020, vol. 19, no. 1, 14., Registrované v: WOS
814. [1.1] ZHAO, Jingbo - ZHANG, Wenbin - MA, Yulin - ZHANG, Xiaohan - MA, Hongyang. Development of Quantum Private Queries Protocol on

- Collective-Dephasing Noise Channel. In APPLIED SCIENCES-BASEL, 2020, vol. 10, no. 6, 1935., Registrované v: WOS
815. [1.1] ZHAO, Nan - LI, Min - CHEN, Nan. An efficient quantum teleportation scheme based on six-particle cluster quantum channel. In 2018 INTERNATIONAL CONFERENCE ON COMPUTING, NETWORKING AND COMMUNICATIONS (ICNC). ISSN 2325-2626, 2018, pp. 7-10., Registrované v: WOS
816. [1.1] ZHAO, Nan - LI, Min - CHEN, Nan - ZHU, Chang-hua - PEI, Chang-xing. Quantum Teleportation of Eight-Qubit State via Six-Qubit Cluster State. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2018, vol. 57, no. 2, pp. 516-522., Registrované v: WOS
817. [1.1] ZHAO, Tieyu - YUAN, Lin - CHI, Yingying. Hierarchical secret image sharing using phase modulation based on the Fresnel transform. In JOURNAL OF MODERN OPTICS. ISSN 0950-0340, 2019, vol. 66, no. 14, pp. 1491-1497., Registrované v: WOS
818. [1.1] ZHAO, Xing-Qiang - ZHOU, Nan-Run - CHEN, Hua-Ying - GONG, Li-Hua. Multiparty Quantum Key Agreement Protocol with Entanglement Swapping. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2019, vol. 58, no. 2, pp. 436-450., Registrované v: WOS
819. [1.1] ZHAO, Xue-Liang - RUAN, Dong. Quantum secure direct communication with frequency coding scheme. In PROCEEDINGS OF SPIE, 2016, vol. 10029, UNSP 1002914., Registrované v: WOS
820. [1.1] ZHAO, X.-L. - LI, J.-L. - NIU, P.-H. - et al. Two-step quantum secure direct communication scheme with frequency coding, In CHINESE PHYSICS B, 2017, vol. 26, no. 3, 030302., Registrované v: WOS
821. [1.1] ZHAO, Zhisheng - GUO, Ying - SHI, Ronghua - HUANG, Dazu. Deterministic Polarization Entanglement Purification of Cluster State in Multiple Degrees of Freedom. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2015, vol. 54, no. 4, pp. 1184., Registrované v: WOS
822. [1.1] ZHA, Xin-wei - JIANG, Ruo-Xu - WANG, Min-Rui. Analyzing Four-Qubit Cluster State Entanglement Symmetry Property via Control Power. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2019, vol. 58, no. 5, pp. 1499-1508., Registrované v: WOS
823. [1.1] ZHA, Xin-Wei - JIANG, Ruo-Xu - WANG, Min-Rui. Two schemes of multiparty quantum direct secret sharing via a six-particle GHZ state*. In COMMUNICATIONS IN THEORETICAL PHYSICS. ISSN 0253-6102, 2020, vol. 72, no. 2, 025102., Registrované v: WOS
824. [1.1] ZHA, Xin-Wei - WANG, Min-Rui - JIANG, Ruo-Xu. Two Forms Schemes of Deterministic Remote State Preparation for Four-Qubit Cluster-Type State. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2020, vol. 59, no. 3, pp. 960-973., Registrované v: WOS
825. [1.1] ZHA, Xin-Wei - YU, Xiao-Yuan - CAO, Yong - WANG, Shu-Kai. Quantum Private Comparison Protocol with Five-Particle Cluster States. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2018, vol. 57, no. 12, pp. 3874-3881., Registrované v: WOS
826. [1.1] ZHENG, Ri-Hua - KANG, Yi-Hao - RAN, Du - SHI, Zhi-Cheng - XIA, Yan. Deterministic interconversions between the

Greenberger-Horne-Zeilinger states and the W states by invariant-based pulse design. In PHYSICAL REVIEW A. ISSN 2469-9926, 2020, vol. 101, no. 1, 012345., Registrované v: WOS

827. [1.1] ZHENG, YanYan - LIANG, LeiXia - ZHANG, Mei. Error-heralded generation and self-assisted complete analysis of two-photon hyperentangled Bell states through single-sided quantum-dot-cavity systems. In SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY. ISSN 1674-7348, 2019, vol. 62, no. 7, 970312., Registrované v: WOS

828. [1.1] ZHENG, Yan-Yan - LIANG, Lei-Xia - ZHANG, Mei. Self-assisted complete analysis of three-photon hyperentangled Greenberger-Horne-Zeilinger states with nitrogen-vacancy centers in microcavities. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2018, vol. 17, no. 7, UNSP 172., Registrované v: WOS

829. [1.1] ZHENG, Yi-Dan - MAO, Zhu - ZHOU, Bin. Entanglement teleportation via a couple of quantum channels in Ising-Heisenberg spin chain model of a heterotrimetallic Fe-Mn-Cu coordination polymer. In CHINESE PHYSICS B. ISSN 1674-1056, 2019, vol. 28, no. 12., Registrované v: WOS

830. [1.1] ZHI, Dan-Li - LI, Zhi-Hui - HAN, Zhao-Wei - LIU, Li-Juan. Verifiable Quantum Secret Sharing Based on a Single Qudit. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2020, vol. 59, no. 12, pp. 3672-3684., Registrované v: WOS

831. [1.1] ZHI-GANG, Gan. Improvement of Gao et al.'s semi-quantum secret sharing protocol. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2020, vol. 59, no. 3, pp. 930-935., Registrované v: WOS

832. [1.1] ZHOU, CH. - XU, P. - BAO, W.-S. - et al. Finite-key bound for semi-device-independent quantum key distribution, In OPTICS EXPRESS, 2017, vol. 25, no. 15, pp. 16971-16980., Registrované v: WOS

833. [1.1] ZHOU, Lan - SHENG, Yu-Bo. Feasible logic Bell-state analysis with linear optics. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2016, vol. 6, 20901., Registrované v: WOS

834. [1.1] ZHOU, Lan - SHENG, Yu-Bo. Efficient entanglement concentration for arbitrary less-entangled NOON state assisted by single photons. In CHINESE PHYSICS B. ISSN 1674-1056, 2016, vol. 25, no. 2, 020308., Registrované v: WOS

835. [1.1] ZHOU, Lan - SHENG, Yu-Bo - LONG, Gui-Lu. Device-independent quantum secure direct communication against collective attacks. In SCIENCE BULLETIN. ISSN 2095-9273, 2020, vol. 65, no. 1, pp. 12-20., Registrované v: WOS

836. [1.1] ZHOU, Lan - ZHANG, Shuai-Shuai - ZHONG, Wei - SHENG, Yu-Bo. Multi-copy nested entanglement purification for quantum repeaters. In ANNALS OF PHYSICS. ISSN 0003-4916, 2020, vol. 412, 168042., Registrované v: WOS

837. [1.1] ZHOU, Lan - ZHONG, Wei - SHENG, Yu-Bo. Purification of the residual entanglement. In OPTICS EXPRESS. ISSN 1094-4087, 2020, vol. 28, no. 2, pp. 2291-2301., Registrované v: WOS

838. [1.1] ZHOU, Lin - LIU, Zhong-min. Quantum Splitting an Arbitrary Two-Atom State with a Six-Atom Entangled State in Cavity QED. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2015, vol. 54, no. 7, pp. 2131., Registrované v: WOS

839. [1.1] ZHOU, L. - SHENG, Y.-B. Polarization entanglement purification for concatenated Greenberger-Horne-Zeilinger state, In ANNALS OF PHYSICS, 2017, vol. 385, pp. 10-35., Registrované v: WOS
840. [1.1] ZHOU, L. - YANG, O.-Y. - WANG, L.- et al. Protecting single-photon entanglement with practical entanglement source, In QUANTUM INFORMATION PROCESSING, 2017, vol. 16, no. 6, 151., Registrované v: WOS
841. [1.1] ZHOU, Ri-Gui - QIAN, Chen - IAN, Hou. Cyclic and Bidirectional Quantum Teleportation via Pseudo Multi-Qubit States. In IEEE ACCESS. ISSN 2169-3536, 2019, vol. 7, pp. 42445-42449., Registrované v: WOS
842. [1.1] ZHOU, S. - BAI, M. - ZHANG, CH. Analysis and construction of four-party deterministic operation sharing with a generalized seven-qubit Brown state, In MODERN PHYSICS LETTERS B, 2017, vol. 31, no. 24, 1750190., Registrované v: WOS
843. [1.1] ZHOU, Tao. Quantum measurement in coherence-vector representation. In SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY. ISSN 1674-7348, 2016, vol. 59, no. 4, 640301., Registrované v: WOS
844. [1.1] ZHOU, Yaoyao - YU, Juan - YAN, Zhihui - JIA, Xiaojun - ZHANG, Jing - XIE, Changde - PENG, Kunchi. Quantum Secret Sharing Among Four Players Using Multipartite Bound Entanglement of an Optical Field. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2018, vol. 121, no. 15, 150502., Registrované v: WOS
845. [1.1] ZHOU, Yi-Hua - WANG, Mao-Feng - SHI, Wei-Min - YANG, Yu-Guang - ZHANG, Jing. Two-party quantum key agreement against collective noisy channel. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2020, vol. 19, no. 3, 100., Registrované v: WOS
846. [1.1] ZHOU, Yi-Hua - ZHANG, Jing - SHI, Wei-Min - YANG, Yu-Guang - WANG, Mao-Feng. Continuous-variable multiparty quantum key agreement based on third party. In MODERN PHYSICS LETTERS B. ISSN 0217-9849, 2020, vol. 34, no. 6, 200083., Registrované v: WOS
847. [1.1] ZHOU, You - GUO, Chenghao - MA, Xiongfeng. Decomposition of a symmetric multipartite observable. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 99, no. 5, 052324., Registrované v: WOS
848. [1.1] ZHOU, You. Entanglement detection under coherent noise: Greenberger-Horne-Zeilinger-like states. In PHYSICAL REVIEW A. ISSN 2469-9926, 2020, vol. 101, no. 1, 012301., Registrované v: WOS
849. [1.1] ZHU, Meng-Zheng - YE, Liu. Efficient entanglement purification for Greenberger-Horne-Zeilinger states via the distributed parity-check detector. In OPTICS COMMUNICATIONS. ISSN 0030-4018, 2015, vol. 334, no., pp. 51., Registrované v: WOS
850. [1.1] ZHU, Zhen-Chao - HU, Ai-Qun - FU, An-Min. Two new Controlled not Gate Based Quantum Secret Sharing Protocols without Entanglement Attenuation. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2016, vol. 55, no. 5, pp. 2342-2353., Registrované v: WOS

Review A, 2012, vol. 85, no. 6, 062325. (2011: 2.878 - IF, Q1 - JCR, 2.316 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents). ISSN 1050-2947.
Dostupné na: <https://doi.org/10.1103/PhysRevA.85.062325>

Ohlasy:

1. [1.1] BEZDEKOVA, I. - STEFANAK, M. - JEX, I. Suitable bases for quantum walks with Wigner coins. In *PHYSICAL REVIEW A*. ISSN 1050-2947, 2015, vol. 92, no. 2, 022347., Registrované v: WOS
2. [1.1] CIAMPINI, Mario A. - VIGLIAR, Caterina - CIMINI, Valeria - et.al. Experimental nonlocality-based network diagnostics of multipartite entangled states. In *SCIENTIFIC REPORTS*. ISSN 2045-2322, 2017, vol. 7, 17122., Registrované v: WOS
3. [1.1] COTTRELL, Seth S. Finding structural anomalies in star graphs using quantum walks: a general approach. In *JOURNAL OF PHYSICS A*. ISSN 1751-8113, 2015, vol. 48, no. 3, 035304., Registrované v: WOS
4. [1.1] KOCH, Daniel. Scattering quantum random walks on square grids and randomly generated mazes. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2019, vol. 99, no. 1, 012330., Registrované v: WOS
5. [1.1] SEVESO, Luigi - BENEDETTI, Claudia - PARIS, Matteo G. A. The walker speaks its graph: global and nearly-local probing of the tunnelling amplitude in continuous-time quantum walks. In *JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL*. ISSN 1751-8113, 2019, vol. 52, no. 10, 105304., Registrované v: WOS
6. [1.1] STEFANAK, M. - JEX, I. Persistence of unvisited sites in quantum walks on a line. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2016, vol. 93, no. 3, 032321., Registrované v: WOS
7. [1.1] STEFANAK, M. - NOVOTNY, J. - JEX, I. Percolation assisted excitation transport in discrete-time quantum walks. In *NEW JOURNAL OF PHYSICS*. ISSN 1367-2630, 2016, vol. 18, 023040., Registrované v: WOS
8. [1.1] STEFANAK, M. - SKOUPY, S. Perfect state transfer by means of discrete-time quantum walk search algorithms on highly symmetric graphs. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2016, vol. 94, no. 2, 022301pp., Registrované v: WOS
9. [1.1] STEFANAK, M. - SKOUPY, S. Perfect state transfer by means of discrete-time quantum walk on complete bipartite graphs. In *QUANTUM INFORMATION PROCESSING*. ISSN 1570-0755, 2017, vol. 16, no. 3, UNSP 72., Registrované v: WOS
10. [1.1] XUE XI-LING - CHEN HAN-WU - LIU ZHI-HAO - ZHANG BIN-BIN. Search algorithm of structure anomalies in complete graph based on scattering quantum walk. In *ACTA PHYSICA SINICA*. ISSN 1000-3290, 2016, vol. 65, no. 8, 080302., Registrované v: WOS
11. [1.1] XUE, Xiling - CHEN, Hanwu - LIU, Zhihao. Finding structural anomalies in complete graphs using scattering quantum walks. In *INTERNATIONAL JOURNAL OF QUANTUM INFORMATION*. ISSN 0219-7499, 2016, vol. 14, no. 7, 1650035., Registrované v: WOS
12. [1.1] XUE, Xi-Ling - LIU, Zhi-Hao - CHEN, Han-Wu. Search algorithm on strongly regular graphs based on scattering quantum walks. In *CHINESE PHYSICS B*. ISSN 1674-1056, 2017, vol. 26, no. 1, 010301., Registrované v: WOS
13. [1.1] XUE, Xi-ling - RUAN, Yue - LIU, Zhi-hao. Discrete-time

quantum walk search on Johnson graphs. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2019, vol. 18, no. 2, 50., Registrované v: WOS

ADCA430 HILLERY, M. - REITZNER, Daniel - BUŽEK, Vladimír. Searching via walking: How to find a marked clique of a complete graph using quantum walks. In *Physical Review A*, 2010, vol. 81, no. 6, 062324. (2009: 2.866 - IF, Q2 - JCR, 2.469 - SJR, Q1 - SJR, Current Contents - CCC). (2010 - Current Contents). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.81.062324>

Ohlasy:

1. [1.1] BEZDEKOVA, I. - STEFANAK, M. - JEX, I. Suitable bases for quantum walks with Wigner coins. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 92, no. 2, 022347., Registrované v: WOS
2. [1.1] HE, Jiaojiao - DAI, Meifeng - ZONG, Yue - ZOU, Jiahui - SUN, Yu - SU, Weiyi. Coherence analysis of a class of weighted tree-like polymer networks. In MODERN PHYSICS LETTERS B. ISSN 0217-9849, 2018, vol. 32, no. 5, 1850064., Registrované v: WOS
3. [1.1] KOCH, Daniel. Scattering quantum random walks on square grids and randomly generated mazes. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 99, no. 1, 012330., Registrované v: WOS
4. [1.1] LIU, Hongxiao - DOLGUSHEV, Maxim - QI, Yi - ZHANG, Zhongzhi. Laplacian spectra of a class of small-world networks and their applications. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2015, vol. 5, 9024., Registrované v: WOS
5. [1.1] STEFANAK, M. - JEX, I. Persistence of unvisited sites in quantum walks on a line. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 93, no. 3, 032321., Registrované v: WOS
6. [1.1] STEFANAK, M. - NOVOTNY, J. - JEX, I. Percolation assisted excitation transport in discrete-time quantum walks. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2016, vol. 18, 023040., Registrované v: WOS
7. [1.1] XUE XI-LING - CHEN HAN-WU - LIU ZHI-HAO - ZHANG BIN-BIN. Search algorithm of structure anomalies in complete graph based on scattering quantum walk. In ACTA PHYSICA SINICA. ISSN 1000-3290, 2016, vol. 65, no. 8, 080302., Registrované v: WOS
8. [1.1] XUE, Xiling - CHEN, Hanwu - LIU, Zhihao. Finding structural anomalies in complete graphs using scattering quantum walks. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION. ISSN 0219-7499, 2016, vol. 14, no. 7, 0650035., Registrované v: WOS
9. [1.1] XUE, Xi-Ling - LIU, Zhi-Hao - CHEN, Han-Wu. Search algorithm on strongly regular graphs based on scattering quantum walks. In CHINESE PHYSICS B. ISSN 1674-1056, 2017, vol. 26, no. 1, 010301., Registrované v: WOS
10. [1.1] XUE, Xi-ling - RUAN, Yue - LIU, Zhi-hao. Discrete-time quantum walk search on Johnson graphs. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2019, vol. 18, no. 2, 50., Registrované v: WOS

ADCA431 HILLERY, M. - BUŽEK, Vladimír. Singlet states and the estimation of eigenstates and eigenvalues of an unknown Controlled-U gate. In *Physical Review A*, 2001, vol. 64, no. 4, 042303. (2000: 2.684 - IF). ISSN 1050-2947.

Ohlasy:

1. [1.1] CHEN, Zhen - CHEN, Ye-Hong - XIA, Yan - SONG, Jie -

HUANG, Bi-Hua. Fast generation of three-atom singlet state by transitionless quantum driving. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2016, vol. 6, 22202., Registrované v: WOS

2. [1.1] CHEN, Zhen - CHEN, Ye-Hong - XIA, Yan. Deterministic generation of singlet state of N atoms in coupled cavities via adiabatic passage of a dark state. In JOURNAL OF MODERN OPTICS. ISSN 0950-0340, 2016, vol. 63, no. 2, pp. 92-102., Registrované v: WOS

3. [1.1] YANG, Rong-Can - YE, Li-Xiang - LIN, Xiu - LIU, Hong-Yu. Adiabatic Generation of N-quNit Singlet States with Cavity QED. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2017, vol. 7, 45756., Registrované v: WOS

ADCA432 HILLERY, M. - ZIMAN, Mário - BUŽEK, Vladimír - BUŽEK, Václav. Towards quantum-based privacy and voting. In *Physics Letters A*, 2006, vol. 349, no. 1-4, p. 75-81. (2005: 1.550 - IF, Q2 - JCR, 0.920 - SJR, Q2 - SJR). ISSN 0375-9601. Dostupné na: <https://doi.org/10.1016/j.physleta.2005.09.010>

Ohlasy:

1. [1.1] BAO, Ning - HALPERN, Nicole Yunger. Quantum voting and violation of Arrow's impossibility theorem. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 95, no. 6, 062306., Registrované v: WOS

2. [1.1] CAO, Hai-Jing - DING, Li-Yuan - JIANG, Xiu-Li - LI, Peng-Fei. A New Proxy Electronic Voting Scheme Achieved by Six-Particle Entangled States. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2018, vol. 57, no. 3, pp. 674-681., Registrované v: WOS

3. [1.1] CAO, Hao - MA, Wenping. Comment on "A novel quantum deniable authentication protocol without entanglement". In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2018, vol. 17, no. 11, UNSP 289., Registrované v: WOS

4. [1.1] GUO, Ying - FENG, Yanyan - ZENG, Guihua. Quantum anonymous voting with unweighted continuous-variable graph states. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2016, vol. 15, no. 8, pp. 3327-3345., Registrované v: WOS

5. [1.1] JI, ZhaoXu - ZHANG, HuanGuo - WANG, HouZhen - WU, FuSheng - JIA, JianWei - WU, WanQing. Quantum protocols for secure multi-party summation. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2019, vol. 18, no. 6, 168., Registrované v: WOS

6. [1.1] JOY, Dintomon - SABIR, M. - BEHERA, Bikash K. - PANIGRAHI, Prasanta K. Implementation of quantum secret sharing and quantum binary voting protocol in the IBM quantum computer. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2020, vol. 19, no. 1, 33., Registrované v: WOS

7. [1.1] KUZMIN, V. V. - VASILYEV, D. V. - SANGOUARD, N. - DUER, W. - MUSCHIK, C. A. Scalable repeater architectures for multi-party states. In NPJ QUANTUM INFORMATION, 2019, vol. 5, no. 1, 115., Registrované v: WOS

8. [1.1] LIU, Wen - LI, Yu-Gang - WANG, Yong-Bin. A Novel Quantum Solution to Privacy-preserving Lexicographical String Sorting Problem. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2020, vol. 59, no. 3, pp. 754-762., Registrované v: WOS

9. [1.1] LIU, Wen - WANG, Yong-Bin - FAN, Wen-Qin. An Novel Protocol for the Quantum Secure Multi-Party Summation Based on Two-Particle Bell States. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2017, vol. 56, no. 9, pp. 2783-2791., Registrované v: WOS
10. [1.1] LIU, Wen - WANG, Yong-Bin - SUI, Ai-Na - MA, Min-Yao. Quantum Protocol for Millionaire Problem. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2019, vol. 58, no. 7, pp. 2106-2114., Registrované v: WOS
11. [1.1] LV, Shu-Xin - JIAO, Xian-Fang - ZHOU, Ping. Multiparty Quantum Computation for Summation and Multiplication with Mutually Unbiased Bases. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2019, vol. 58, no. 9, pp. 2872-2882., Registrované v: WOS
12. [1.1] MING-YI, Duan. Multi-Party Quantum Summation within a d-Level Quantum System. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2020, vol. 59, no. 5, pp. 1638-1643., Registrované v: WOS
13. [1.1] PIRANDOLA, S. - ANDERSEN, U. L. - BANCHI, L. - BERTA, M. - BUNANDAR, D. - COLBECK, R. - ENGLUND, D. - GEHRING, T. - LUPO, C. - OTTAVIANI, C. - PEREIRA, J. L. - RAZAVI, M. - SHAARI, J. Shamsul - TOMAMICHEL, M. - USENKO, V. C. - VALLONE, G. - VILLORESI, P. - WALLDEN, P. Advances in quantum cryptography. In ADVANCES IN OPTICS AND PHOTONICS. ISSN 1943-8206, 2020, vol. 12, no. 4, pp. 1012-1236., Registrované v: WOS
14. [1.1] SHI, Rong-Hua - XIAO, Yi - SHI, Jin-Jing - GUO, Ying - LEE, Moon-Ho. Anonymous voting for multi-dimensional CV quantum system. In CHINESE PHYSICS B. ISSN 1674-1056, 2016, vol. 25, no. 6, 060301., Registrované v: WOS
15. [1.1] SUN, Xin - WANG, Quanlong - KULICKI, Piotr - SOPEK, Mirek. A Simple Voting Protocol on Quantum Blockchain. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2019, vol. 58, no. 1, pp. 275-281., Registrované v: WOS
16. [1.1] THAPLIYAL, Kishore - SHARMA, Rishi Dutt - PATHAK, Anirban. Protocols for quantum binary voting. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION. ISSN 0219-7499, 2017, vol. 15, no. 1, 1750007., Registrované v: WOS
17. [1.1] TIAN, Juan-Hong - ZHANG, Jian-Zhong - LI, Yan-Ping. A Voting Protocol Based on the Controlled Quantum Operation Teleportation. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2016, vol. 55, no. 5, pp. 2303-2310., Registrované v: WOS
18. [1.1] VOGELL, B. - VERMERSCH, B. - NORTHUP, T. E. - LANYON, B. P. - MUSCHIK, C. A. Deterministic quantum state transfer between remote qubits in cavities. In QUANTUM SCIENCE AND TECHNOLOGY. ISSN 2058-9565, 2017, vol. 2, no. 4, UNSP 045003., Registrované v: WOS
19. [1.1] WALLNOEFER, J. - PIRKER, A. - ZWERGER, M. - DUER, W. Multipartite state generation in quantum networks with optimal scaling. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2019, vol. 9, 314., Registrované v: WOS
20. [1.1] WALLNOEFER, J. - ZWERGER, M. - MUSCHIK, C. -

- SANGOUARD, N. - DUER, W. Two-dimensional quantum repeaters. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 94, no. 5, 052307., Registrované v: WOS
21. [1.1] WANG, Qingle - YU, Chaohua - GAO, Fei - QI, Haoyu - WEN, Qiaoyan. Self-tallying quantum anonymous voting. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 94, no. 2, 022333., Registrované v: WOS
22. [1.1] WANG, Qing-Le - FEI-GAO - LIU, Bin - SONG, Ting-Ting - WEN, Qiao-Yan. Anonymous quantum communications using the quantum one-time pad. In PHYSICA SCRIPTA. ISSN 0031-8949, 2015, vol. 90, no. 1, 015102., Registrované v: WOS
23. [1.1] WANG, Qing-le - ZHANG, Ke-jia. Security analysis and improvement of the dining cryptographer problem-based anonymous quantum communication via non-maximally entanglement state analysis. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2015, vol. 54, no. 1, pp. 106., Registrované v: WOS
24. [1.1] WIEBE, Nathan - KUMAR, Ram Shankar Siva. Hardening quantum machine learning against adversaries. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2018, vol. 20, 123019., Registrované v: WOS
25. [1.1] XUE, Peng - ZHANG, Xin. A simple quantum voting scheme with multi-qubit entanglement. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2017, vol. 7, 7586., Registrované v: WOS
26. [1.1] YANG, Hui-Yi - YE, Tian-Yu. Secure multi-party quantum summation based on quantum Fourier transform. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2018, vol. 17, no. 6, UNSP 129., Registrované v: WOS
27. [1.1] YANG, Yu-Guang - YANG, Yong-Li - LV, Xin-Long - ZHOU, Yi-Hua - SHI, Wei-Min. Examining the correctness of anonymity for practical quantum networks. In PHYSICAL REVIEW A. ISSN 2469-9926, 2020, vol. 101, no. 6, 062311., Registrované v: WOS
28. [1.1] ZHANG, Cai - RAZAVI, Mohsen - SUN, Zhiwei - HUANG, Qiong - SITU, Haozhen. Multi-Party Quantum Summation Based on Quantum Teleportation. In ENTROPY, 2019, vol. 21, no. 7, 719., Registrované v: WOS
29. [1.1] ZHANG, Cai - SITU, Haozhen - HUANG, Qiong - YANG, Pingle. Multi-party quantum summation without a trusted third party based on single particles. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION. ISSN 0219-7499, 2017, vol. 15, no. 2, 1750010., Registrované v: WOS
30. [1.1] ZHANG, Cai - SUN, Zhi-Wei - HUANG, Xiang - LONG, Dong-Yang. Three-party quantum summation without a trusted third party. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION. ISSN 0219-7499, 2015, vol. 13, no. 2, 1550011., Registrované v: WOS
31. [1.1] ZHANG, C. - SITU, H. - HUANG, Q. - SUN, Z. - HUANG, Z. Multi-party quantum summation with a single d-level quantum system. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION. ISSN 0219-7499, 2019, vol. 17, no. 3, 1950027., Registrované v: WOS
32. [1.1] ZHANG, Huanguo - JI, Zhaoxu - WANG, Houzhen - WU, Wanqing. Survey on Quantum Information Security. In CHINA COMMUNICATIONS. ISSN 1673-5447, 2019, vol. 16, no. 10, pp. 1-36., Registrované v: WOS
33. [1.1] ZHOU, Bao-Min - ZHANG, Ke-Jia - ZHANG, Xue - WANG,

Qing-Le. The Cryptanalysis and Improvement of a Particular Quantum Voting Model. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2020, vol. 59, no. 4, pp. 1109-1120., Registrované v: WOS

ADCA433 HILTON, J.** - UUSITALO, J. - SARÉN, J. - PAGE, R. D. - JOSS, D. T. - ALAQEEL, M. A. M. - BADRAN, H. - BRISCOE, A. D. - CALVERLEY, T. - COX, D. M. - GRAHN, T. - GREDLEY, A. - GREENLEES, P. T. - HARDING, R. - HERZÁŇ, Andrej - HIGGINS, E. - JULIN, R. - JUUTINEN, S. - KONKI, J. - LABICHE, M. - LEINO, M. - LEWIS, M. C. - OJALA, J. - PAKARINEN, J. - PAPADAKIS, P. - PARTANEN, J. - RAHKILA, P. - RUOTSALAINEN, P. - SANDZELIUS, M. - SCHOLEY, C. - SORRI, J. - SOTTILI, L. - STOLZE, S. - WEARING, F. alpha-spectroscopy studies of the new nuclides Pt-165 and Hg-170. In *Physical Review C*, 2019, vol. 100, no. 1, 014305. (2018: 3.132 - IF, Q2 - JCR, 1.502 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.100.014305>

Ohlasy:

1. [1.1] ARBLASTER, John W. The Discoverers of the Isotopes of the Platinum Group of Elements: Update 2020. In JOHNSON MATTHEY TECHNOLOGY REVIEW. ISSN 2056-5135, 2020, vol. 64, no. 1, pp. 84-85., Registrované v: WOS
2. [1.1] CUBISS, J. G. - HARDING, R. D. - ANDREYEV, A. N. - ALTHUBITI, N. - ANDEL, B. - ANTALIC, S. - BARZAKH, A. E. - COCOLIOS, T. E. - GOODACRE, T. Day - FAROOQ-SMITH, G. J. - FEDOROV, D. - FEDOSSEEV, V. N. - GAFFNEY, L. P. - GHYS, L. - HUYSE, M. - LYNCH, K. M. - MARSH, B. A. - PALENZUELA, Y. Martinez - MOLKANOV, P. L. - ROSSEL, R. E. - ROTHE, S. - SELIVERSTOV, M. D. - SELS, S. - SPAGNOLETTI, P. - VAN BEVEREN, C. - VAN DUPPEN, P. - VEINHARD, M. - VERSTRAELEN, E. - ZADVORNAYA, A. alpha-decay branching ratio of Pt-180. In PHYSICAL REVIEW C. ISSN 2469-9985, 2020, vol. 101, no. 1, 014314., Registrované v: WOS
3. [1.1] NICA, N. Nuclear Data Sheets for A=155. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2019, vol. 160, pp. 1-404., Registrované v: WOS
4. [1.1] SINGH, Sukhjeet - KUMAR, Sushil - SINGH, Balraj - JAIN, A. K. Nuclear radius parameters ($r(0)$) for even-even nuclei from alpha decay. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2020, vol. 167, pp. 1-35., Registrované v: WOS

ADCA434 HLADKY, B. - DROBNÝ, Gabriel - BUŽEK, Vladimír. Quantum Synthesis of Arbitrary Unitary Operators. In *Physical Review A*, 2000, vol. 61, no. 2, 022102. (2000 - Current Contents). ISSN 1050-2947.

Ohlasy:

1. [1.1] LUO, Ming-Xing - MA, Song-Ya - DENG, Yun - WANG, Xiaojun. Deterministic generations of quantum state with no more than six qubits. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2015, vol. 14, no. 3, pp. 901., Registrované v: WOS

ADCA435 HODAS, Martin - ŠIFFALOVIČ, Peter** - JERGEL, Matej - PELLETTA, Marco - HALAHOVETS, Yuriy - VÉGSO, Karol - KOTLAR, M. - MAJKOVÁ,

Eva. Kinetics of copper growth on graphene revealed by time-resolved small-angle x-ray scattering. In *Physical Review B*, 2017, vol. 95, no. 3, art. no. 035424. (2016: 3.836 - IF, Q2 - JCR, 2.339 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.95.035424>

Ohlasy:

1. [1.1] COLIN, Jonathan - JAMNIG, Andreas - FURGEAUD, Clarisse - MICHEL, Anny - PLIATSIKAS, Nikolaos - SARAOKINOS, Kostas - ABADIAS, Gregory. In Situ and Real-Time Nanoscale Monitoring of Ultra-Thin Metal Film Growth Using Optical and Electrical Diagnostic Tools. In *NANOMATERIALS*, 2020, vol. 10, no. 11, 2225., Registrované v: WOS
2. [1.1] HOLY, V - BAUER, S. - RODRIGUES, A. - HORAK, L. - JIN, X. - SCHNEIDER, R. - BAUMBACH, T. In situ grazing-incidence x-ray scattering study of pulsed-laser deposition of Pt layers. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2020, vol. 102, no. 12, 125435., Registrované v: WOS
3. [1.1] YAKUBOVSKY, Dmitry - STEBUNOV, Yury - KIRTAEV, Roman - VORONIN, Kirin V. - VORONOV, Artem A. - ARSENIN, Aleksey - VOLKOV, Valentyn S. Graphene-Supported Thin Metal Films for Nanophotonics and Optoelectronics. In *NANOMATERIALS*. ISSN 2079-4991, 2018, vol. 8, no. 12, 1058., Registrované v: WOS
4. [1.1] YAKUBOVSKY, D. I. - ARSENIN, A. V. - KIRTAEV, R. V. - ERMOLAEV, G. A. - STEBUNOV, Y. S. - VOLKOV, V. S. Near-field characterization of ultra-thin metal films. In *METANANO 2019*. ISSN 1742-6588, 2020, vol. 1461, 012193., Registrované v: WOS

ADCA436 HODGSON, P.E. - BĚTÁK, Emil. Cluster emission, transfer and capture in nuclear reactions. In *Physics Reports*, 2003, vol. 374, no. 1, p. 1-89. ISSN 0370-1573.

Ohlasy:

1. [1.1] AHMED, Saad M. Saleh - YAHAYA, Redzuwan - RADIMAN, Shahidan - YASIR, Muhamad Samudi - ABU KASSIM, Hasan - KHANDAKER, Mayeen Uddin. Analytic view at alpha clustering in even-even heavy nuclei near magic numbers 82 and 126. In *EUROPEAN PHYSICAL JOURNAL A*. ISSN 1434-6001, 2015, vol. 51, no. 2, 13., Registrované v: WOS
2. [1.1] AKRAWY, Dashty T. alpha-decay half-lives of some nuclei from ground state to ground state using different nuclear potential. In *EPJ NUCLEAR SCIENCES & TECHNOLOGIES*. ISSN 2491-9292, 2018, vol. 4, 5., Registrované v: WOS
3. [1.1] AKRAWY, Dashty T. - AHMED, Ali H. New empirical formula for alpha-decay calculations. In *INTERNATIONAL JOURNAL OF MODERN PHYSICS E*. ISSN 0218-3013, 2018, vol. 27, no. 8, 1850068., Registrované v: WOS
4. [1.1] AKRAWY, Dashty T. - AHMED, Ali H. alpha-decay systematics for superheavy nuclei. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 100, no. 4, 044618., Registrované v: WOS
5. [1.1] AKRAWY, Dashty T. - SANTHOSH, K. P. - HASSANABADI, H. alpha-decay half-lives of some superheavy nuclei within a modified generalized liquid drop model. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 100, no. 3, 034608., Registrované v: WOS
6. [1.1] ALSAIF, Norah A. M. - RADIMAN, Shahidan - YAHAYA,

Redzuwan - AHMED, Saad M. Saleh. Alpha Decay Preformation Factors for Even-Even (280-316)116 Superheavy Isotopes. In BRAZILIAN JOURNAL OF PHYSICS. ISSN 0103-9733, 2016, vol. 46, no. 3, pp. 355-360., Registrované v: WOS

7. [1.1] BEREZHNOY, Yu. A. - MIKHAILYUK, V. P. - PILIPENKO, V. V. Intermediate energy multiple scattering of particles by light alpha-cluster nuclei. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS. ISSN 0218-3013, 2015, vol. 24, no. 4, 1530004., Registrované v: WOS

8. [1.1] BHOI, Swagatika - SAHU, Basudeb. Unearthing radial independence for prediction of alpha-decay half-lives. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E. ISSN 0218-3013, 2018, vol. 27, no. 6, 1850048., Registrované v: WOS

9. [1.1] CICERCHIA, Magda. ONSET OF PRE-EQUILIBRIUM: A COMPARATIVE STUDY OF FOUR REACTIONS. In ACTA PHYSICA POLONICA B PROCEEDINGS SUPPLEMENT. ISSN 1899-2358, 2020, vol. 13, no. 3, pp. 383-388., Registrované v: WOS

10. [1.1] CICERCHIA, M. Pre-equilibrium emission vs. formation of Ti-46. In NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, 2018, vol. 41, no. 3, 98., Registrované v: WOS

11. [1.1] CICERCHIA, M. - MARCHI, T. - GRAMEGNA, F. - et al. A STUDY ON 4 REACTIONS FORMING Ti-46*. In 12TH INTERNATIONAL SPRING SEMINAR ON NUCLEAR PHYSICS: CURRENT PROBLEMS AND PROSPECTS FOR NUCLEAR STRUCTURE. ISSN 1742-6588, 2018, vol. 966, UNSP 012062., Registrované v: WOS

12. [1.1] CUI, J. P. - XIAO, Y. - GAO, Y. H. - WANG, Y. Z. alpha-decay half-lives of neutron-deficient nuclei. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2019, vol. 987, pp. 99-111., Registrované v: WOS

13. [1.1] CUI, J. P. - ZHANG, Y. L. - ZHANG, S. - WANG, Y. Z. Systematic study on alpha-decay half-lives of Bi isotopes. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS. ISSN 0218-3013, 2016, vol. 25, no. 8, 1650056., Registrované v: WOS

14. [1.1] CUI, J. P. - ZHANG, Y. L. - ZHANG, S. - WANG, Y. Z. alpha-decay half-lives of superheavy nuclei. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 1, 014316., Registrované v: WOS

15. [1.1] DAEI-ATAOLLAH, A. - GHODSI, O. N. - MAHDAVI, M. Proximity potential and temperature effects on alpha-decay half-lives. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 5, 054621., Registrované v: WOS

16. [1.1] DELION, D. S. - REN, Zhongzhou - DUMITRESCU, A. - NI, Dongdong. Coupled channels description of the alpha-decay fine structure. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2018, vol. 45, no. 5, 053001., Registrované v: WOS

17. [1.1] DENG, Daming - REN, Zhongzhou - NI, Dongdong - QIAN, Yibin. Realistic alpha preformation factors of odd-A and odd-odd nuclei within the cluster-formation model. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2015, vol. 42, no. 7, 075106., Registrované v: WOS

18. [1.1] DENG, Daming - REN, Zhongzhou. alpha preformation factors of medium-mass nuclei and the structural effects in the region of crossing the

- Z=82 shell. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 4, 044326., Registrované v: WOS
19. [1.1] DENG, Daming - REN, Zhongzhou - WANG, Nan. Significant improvement of half-life calculation of alpha decays by considering the nuclear medium effect. In PHYSICS LETTERS B. ISSN 0370-2693, 2019, vol. 795, pp. 554-560., Registrované v: WOS
20. [1.1] ELMAGHRABY, Elsayed K. - MOHAMED, Gehan Y. - AL-ABYAD, M. Experimental investigation and nuclear model calculations for proton induced reactions on indium around thresholds. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2019, vol. 984, pp. 112-132., Registrované v: WOS
21. [1.1] FOTIADES, N. - DEVLIN, M. - HAIGHT, R. C. - NELSON, R. O. - KUNIEDA, S. - KAWANO, T. alpha and 2p2n emission in fast neutron-induced reactions on Ni-60. In PHYSICAL REVIEW C. ISSN 2469-9985, 2015, vol. 91, no. 6, 064614., Registrované v: WOS
22. [1.1] GUO, Shuqing - BAO, Xiaojun - GAO, Yuan - LI, Junqing - ZHANG, Hongfei. The nuclear deformation and the preformation factor in the alpha-decay of heavy and superheavy nuclei. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2015, vol. 934, pp. 110., Registrované v: WOS
23. [1.1] HOSSEINI, S. S. - HASSANABADI, H. - ZARRINKAMAR, S. Optimal temperature for alpha-decay half-lives with Yukawa proximity potential. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS. ISSN 0218-3013, 2016, vol. 25, no. 12, 1650109., Registrované v: WOS
24. [1.1] HOSSEINI, S. S. - HASSANABADI, H. - AKRAWY, D. T. - ZARRINKAMAR, S. Alpha-decay half-lives for isotopes of even-even nuclei: A temperature-dependent approach with Woods-Saxon potential. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2018, vol. 133, no. 1, 7., Registrované v: WOS
25. [1.1] ISMAIL, M. - ELLITHI, A. Y. - ADEL, A. - ABDULGHANY, A. R. Toward a better parameterization of nuclear density for alpha-decay calculation. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 947, pp. 64-75., Registrované v: WOS
26. [1.1] ISMAIL, M. - SEIF, W. M. - ELLITHI, A. Y. - ABDURRAHMAN, A. Single universal curve for alpha decay derived from semi-microscopic calculations. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 92, no. 1, 014311., Registrované v: WOS
27. [1.1] ISMAIL, M. - SEIF, W. M. - TAWFIK, W. M. - HUSSEIN, A. M. Effect of choosing the Q(alpha)-values and daughter density distributions on the magic numbers predicted by alpha decays. In ANNALS OF PHYSICS. ISSN 0003-4916, 2019, vol. 406, pp. 1-13., Registrované v: WOS
28. [1.1] KAUR, Rupinder - SINGH, BirBikram - KAUR, Mandeep - SANDHU, B. S. - KAUR, Maninder. Evolvment Of Preformation Probability Of Alpha Cluster Decay Of Parent Nuclei $84 \leq Z \leq 92$ Having $N=126$. In 2ND INTERNATIONAL CONFERENCE ON CONDENSED MATTER AND APPLIED PHYSICS (ICC-2017). ISSN 0094-243X, 2018, vol. 1953, UNSP 140102., Registrované v: WOS
29. [1.1] LIU, Hong-Ming - XU, Jun-Yao - DENG, Jun-Gang - HE, Biao - LI, Xiao-Hua. Predictions of alpha decay half-lives for even-even superheavy nuclei with $104 \leq Z \leq 128$ based on two-potential approach within cluster-formation model. In INTERNATIONAL JOURNAL OF MODERN

PHYSICS E. ISSN 0218-3013, 2019, vol. 28, no. 10, 1950089., Registrované v: WOS

30. [1.1] MAYDANYUK, Sergei P. - ZHANG, Peng-Ming - ZOU, Li-Ping. New approach for obtaining information on the many-nucleon structure in alpha decay from accompanying bremsstrahlung emission. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 1, 014617., Registrované v: WOS

31. [1.1] MUKHAMEJANOV, Y. - ALIEVA, G. - ALIMOV, D. - KABDRAKHIMOVA, G. D. - NASSURLLA, M. - SADUYEV, N. - SADYKOV, B. M. - ZHOLDYBAYEV, T. K. - ISMAILOV, K. M. - KUCUK, Y. INVESTIGATION OF (p, xp) AND (p, x alpha) REACTIONS OF 30-MeV PROTONS WITH THE Rh-103 NUCLEUS. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2020, vol. 51, no. 3, pp. 783-788., Registrované v: WOS

32. [1.1] NEVELING, R. Clustering phenomena: perspectives from iThemba LABS. In XLI SYMPOSIUM ON NUCLEAR PHYSICS 2018 (COCOYOC2018). ISSN 1742-6588, 2018, vol. 1078, UNSP 012016., Registrované v: WOS

33. [1.1] NI, Dongdong - REN, Zhongzhou. Systematic research on alpha-decay rates of spherical and deformed nuclei. In ANNALS OF PHYSICS. ISSN 0003-4916, 2015, vol. 358, pp. 108., Registrované v: WOS

34. [1.1] NI, Dongdong - REN, Zhongzhou. Effects of differences between neutron and proton density distributions on alpha-decay half-lives. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 92, no. 5, 054322., Registrované v: WOS

35. [1.1] PAHLAVANI, M. R. - KARAMZADEH, N. Partial alpha-decay half-lives of ground to ground and ground to excited states of Thorium family. In CHINESE JOURNAL OF PHYSICS. ISSN 0577-9073, 2018, vol. 56, no. 4, pp. 1727-1733., Registrované v: WOS

36. [1.1] QIAN, Yibin - REN, Zhongzhou. Tentative study of nuclear charge radii for neutron-deficient nuclei around the Z=82 shell from experimental alpha decay data. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 945, pp. 134-143., Registrované v: WOS

37. [1.1] QIAN, Yibin - REN, Zhongzhou. Improved evaluation of nuclear charge radii for superheavy nuclei. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2018, vol. 45, no. 8, 085103., Registrované v: WOS

38. [1.1] QIAN, Yibin - REN, Zhongzhou. Landscape of a preformation probability for even-even nuclei in medium mass region. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2018, vol. 45, no. 3, 035103., Registrované v: WOS

39. [1.1] SEIF, W. M. Nucleon pairing correlations and the alpha cluster preformation probability inside heavy and superheavy nuclei. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 91, no. 1, 014322., Registrované v: WOS

40. [1.1] SEIF, W. M. - ABDELHADY, A. M. H. - ADEL, A. Improved nucleus-nucleus folding potential with a repulsive core due to the change of intrinsic kinetic energy. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2018, vol. 45, no. 11, 115101., Registrované v: WOS

41. [1.1] SEIF, W. M. - ABDELHADY, A. M. H. Formation region of

emitted alpha and heavier particles inside radioactive nuclei. In CHINESE PHYSICS C. ISSN 1674-1137, 2020, vol. 44, no. 7, 074105., Registrované v: WOS

42. [1.1] SHEN, Y. P. - GUO, B. - MA, T. L. - PANG, D. Y. - NI, D. D. - REN, Z. Z. - LI, Y. J. - AN, Z. D. - SU, J. - LIU, J. C. - FAN, Q. W. - HAN, Z. Y. - LI, X. Y. - LI, Z. H. - LIAN, G. - SU, Y. - WANG, Y. B. - YAN, S. Q. - ZENG, S. - LIU, W. P. First experimental constraint of the spectroscopic amplitudes for the alpha-cluster in the B-11 ground state. In PHYSICS LETTERS B. ISSN 0370-2693, 2019, vol. 797, UNSP 134820., Registrované v: WOS

43. [1.1] SOYLU, A. - BAYRAK, O. alpha-alpha folding cluster model for alpha-radioactivity. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2015, vol. 51, no. 4, 46., Registrované v: WOS

44. [1.1] SOYLU, A. - EVLICE, S. Deformation effects on cluster decays of radium isotopes. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2015, vol. 936, pp. 59., Registrované v: WOS

45. [1.1] SOYLU, A. - KOYUNCU, F. - COHAN, A. - BAYRAK, O. - FREER, M. Investigation of deformation effects on the decay properties of C-12 + alpha Cluster states in O-16. In ANNALS OF PHYSICS. ISSN 0003-4916, 2018, vol. 391, pp. 263-277., Registrované v: WOS

46. [1.1] SUN, Xiao-Dong - GUO, Ping - LI, Xiao-Hua. Systematic study of alpha decay half-lives for even-even nuclei within a two-potential approach. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 3, 034316., Registrované v: WOS

47. [1.1] UOZUMI, Yusuke - FUKUDA, Yuki - YAMAGUCHI, Yuji - WATANABE, Gaku - NAKANO, Masahiro. Direct pickup and knockout processes in inclusive (p, alpha x) reactions from 42 to 300 MeV. In PHYSICAL REVIEW C. ISSN 0556-2813, 2020, vol. 102, no. 1, 014604., Registrované v: WOS

48. [1.1] VALDRE, S. - PIANTELLI, S. - CASINI, G. - BARLINI, S. - CARBONI, S. - CIEMALA, M. - KMIETIK, M. - MAJ, A. - MAZUREK, K. - CINAUSERO, M. - GRAMEGNA, F. - KRAVCHUK, V. L. - MORELLI, L. - MARCHI, T. - BAIOTTO, G. - BARDELLI, L. - BEDNARCZYK, P. - BENZONI, G. - BINI, M. - BLASI, N. - BRACCO, A. - BRAMBILLA, S. - BRUNO, M. - CAMERA, F. - CHBIHI, A. - CORSI, A. - CRESPI, F. C. L. - D'AGOSTINO, M. - DEGERLIER, M. - FABRIS, D. - FORNAL, B. - GIAZ, A. - KRZYSIEK, M. - LEONI, S. - MATEJSKA-MINDA, M. - MAZUMDAR, I. - MECZYNSKI, W. - MILLION, B. - MONTANARI, D. - MYALSKI, S. - NICOLINI, R. - OLM, A. - PASQUALI, G. - PRETE, G. - ROBERTS, O. J. - STYCZEN, J. - SZPAK, B. - WASILEWSKA, B. - WIELAND, O. - WIELECZKO, J. P. - ZIEBLINSKI, M. Charged particle decay of hot and rotating Mo-88 nuclei in fusion-evaporation reactions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 3, 034617., Registrované v: WOS

49. [1.1] WANG, Y. Z. - WANG, S. J. - HOU, Z. Y. - GU, J. Z. Systematic study of alpha-decay energies and half-lives of superheavy nuclei. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 92, no. 6, 064301., Registrované v: WOS

50. [1.1] WANG, Z. Y. - NIU, Z. M. - LIU, Q. - GUO, J. Y. Systematic calculations of alpha-decay half-lives with an improved empirical formula. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN

0954-3899, 2015, vol. 42, no. 5, 055112., Registrované v: WOS

51. [1.1] WU, Shuangxiang - QIAN, Yibin - REN, Zhongzhou. Half-lives of alpha-decaying nuclei in the medium-mass region within the transfer matrix method. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 5, 054316., Registrované v: WOS

52. [1.1] XIA, Yin - XU, Jun - LI, Bao-An - SHEN, Wen-Qing. Spin transport in intermediate-energy heavy-ion collisions as a probe of in-medium spin-orbit interactions. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 955, pp. 41-57., Registrované v: WOS

53. [1.1] ZHAO, Yan-Wei - GUO, Shu-Qing - ZHANG, Hong-Fei. alpha particle preformation and shell effect for heavy and superheavy nuclei. In CHINESE PHYSICS C. ISSN 1674-1137, 2018, vol. 42, no. 7, 074103., Registrované v: WOS

54. [1.1] ZHOLDYBAYEV, T. K. - DUSEBAYEV, B. A. - SADYKOV, B. M. - NASSURLLA, M. - USSABAYEVA, G. - ISMAILOV, K. M. Emission of light charged particles from reaction of He-3 ions of energy of 50.0 MeV with Co-59 nucleus. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2018, vol. 49, no. 3, pp. 693-698., Registrované v: WOS

ADCA437 HOFBAUEROVÁ, Monika, Benkovičová - VÉGSO, Karol - ŠIFFALOVÍČ, Peter - JERGEL, Matej - MAJKOVÁ, Eva - LUBY, Štefan - ŠATKA, A. Preparation of sterically stabilized gold nanoparticles for plasmonic applications. In *Chemical Papers*, 2013, vol. 67, no. 9, p. 1225-1230. (2012: 0.879 - IF, Q3 - JCR, 0.301 - SJR, Current Contents - CCC). (2013 - Current Contents). ISSN 0366-6352. Dostupné na: <https://doi.org/10.2478/s11696-013-0315-y>

Ohlasy:

1. [1.1] GHORBANI, Hamid R. - RASHIDI, Roya. Biological synthesis of gold nanocolloids using E-coli extract. In MINERVA BIOTECNOLOGICA. ISSN 1120-4826, 2017, vol. 29, no. 1, pp. 14-16., Registrované v: WOS

2. [1.1] HOLGER, S.-EICHORN-YU, J.K. Directed assembly and self-organization of metal nanoparticles in two and three dimensions. In NANOSCIENCE AND TECHNOLOGY, 2015, vol. 100, p. 289-336., Registrované v: WOS

3. [1.1] MALEKI, Nasim - KASHANIAN, Soheila - NAZARI, Maryam - SHAHABADI, Nahid. A Novel and Enhanced Membrane-Free Performance of Glucose/O₂ Biofuel Cell, Integrated With Biocompatible Laccase Nanoflower Biocathode and Glucose Dehydrogenase Bioanode. In IEEE SENSORS JOURNAL. ISSN 1530-437X, 2019, vol. 19, no. 24, pp. 11988-11994., Registrované v: WOS

4. [1.1] SMOLSKY, Joseph - KAUR, Sukhwinder - HAYASHI, Chihiro - BATRA, Surinder K. - KRASNOSLOBODTSEV, Alexey V. Surface-Enhanced Raman Scattering-Based Immunoassay Technologies for Detection of Disease Biomarkers. In BIOSENSORS-BASEL. ISSN 2079-6374, 2017, vol. 7, no. 1, art. no. 7, Registrované v: WOS

5. [1.1] WCISLIK, Sylwia. Efficient Stabilization of Mono and Hybrid Nanofluids. In ENERGIES, 2020, vol. 13, no. 15, 3793., Registrované v: WOS

ADCA438 HOFBAUEROVÁ, Monika, Benkovičová - VÉGSO, Karol - ŠIFFALOVÍČ, Peter - JERGEL, Matej - LUBY, Štefan - MAJKOVÁ, Eva. Preparation of gold nanoparticles for plasmonic applications. In *Thin Solid Films*, 2013, vol. 543, p.

138-141. (2012: 1.604 - IF, Q2 - JCR, 0.897 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents). ISSN 0040-6090. Dostupné na: <https://doi.org/10.1016/j.tsf.2013.01.048>

Ohlasy:

1. [1.1] DHANUNJAYA, M. - KUMAR, K. Vinod - MANIKANTHABABU, N. - RAO, S. V. S. Nageswara - PATHAK, A. P. Swift heavy ion irradiation assisted Si nanoparticle formation in HfSiO_x nano-composite thin films deposited by RF magnetron sputtering method. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS. ISSN 0168-583X, 2019, vol. 446, pp. 37-42., Registrované v: WOS
2. [1.1] ENGLAND, Christopher G. - NG, Chin F. - VAN BERKEL, Victor - FRIEBOES, Hermann B. A Review of Pharmacological Treatment Options for Lung Cancer: Emphasis on Novel Nanotherapeutics and Associated Toxicity. In CURRENT DRUG TARGETS. ISSN 1389-4501, 2015, vol. 16, no. 10, pp. 1057-1087., Registrované v: WOS
3. [1.1] ENGLAND, Christopher G. - MILLER, M. Clarke - KUTTAN, Ashani - TRENT, John O. - FRIEBOES, Hermann B. Release kinetics of paclitaxel and cisplatin from two and three layered gold nanoparticles. In EUROPEAN JOURNAL OF PHARMACEUTICS AND BIOPHARMACEUTICS. ISSN 0939-6411, 2015, vol. 92, MAY, pp. 120-129., Registrované v: WOS
4. [1.1] LIU, Yuxiu - LIU, Qing - LIU, Yingen - JU, Fuxia - MA, Qinghua - HE, Qin. In vivo evaluation of enhanced drug carrier efficiency and cardiac anti-hypertrophy therapeutic potential of nano-curcumin encapsulated photo-plasmonic nanoparticles combined polymerized nano-vesicles: A novel strategy. In JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY B-BIOLOGY. ISSN 1011-1344, 2019, vol. 199, 111619., Registrované v: WOS
5. [1.1] OVAIS, Muhammad - RAZA, Abida - NAZ, Shagufta - UL ISLAM, Nazar - KHALIL, Ali Talha - ALI, Shaukat - KHAN, Muhammad Adeeb - SHINWARI, Zabta Khan. Current state and prospects of the phytosynthesized colloidal gold nanoparticles and their applications in cancer theranostics. In APPLIED MICROBIOLOGY AND BIOTECHNOLOGY. ISSN 0175-7598, 2017, vol. 101, no. 9, pp. 3551-3565., Registrované v: WOS
6. [1.1] PANDEY, Puran - KUNWAR, Sundar - SUI, Mao - BASTOLA, Sushil - LEE, Jihoon. Modulation of Morphology and Optical Property of Multi-Metallic PdAuAg and PdAg Alloy Nanostructures. In NANOSCALE RESEARCH LETTERS. ISSN 1556-276X, 2018, vol. 13, 151., Registrované v: WOS
7. [1.1] PANDEY, Puran - KUNWAR, Sundar - SUI, Mao - BASTOLA, Sushil - LEE, Jihoon. Role of Annealing Temperature, Time, and Composition on the Fabrication of AuPd_{1-x} Nanostructures on c-Plane Sapphire by the Solid-State Dewetting of Bimetallic Thin Films. In IEEE TRANSACTIONS ON NANOTECHNOLOGY. ISSN 1536-125X, 2018, vol. 17, no. 2, pp. 325-331., Registrované v: WOS
8. [1.1] PAP, Zsolt - TOTTH, Zsejke Reka - DANCIU, Virginia - BAIA, Lucian - KOVACS, Gabor. Differently Shaped Au Nanoparticles: A Case Study on the Enhancement of the Photocatalytic Activity of Commercial TiO₂. In MATERIALS. ISSN 1996-1944, 2015, vol. 8, no. 1, pp. 162-180., Registrované v: WOS

9. [1.1] PAVYA, T. - PRASEETHA, P. K. - ISAAC, Rimal R. S. Green Synthesis of Gold Nanoparticles Using Plant Sources for Cancer Therapy: A Review. In RESEARCH JOURNAL OF PHARMACEUTICAL BIOLOGICAL AND CHEMICAL SCIENCES. ISSN 0975-8585, 2016, vol. 7, no. 5, pp. 477-485., Registrované v: WOS
10. [1.1] YADAV, Pranjali - SINGH, Surya Prakash - RENGAN, Aravind Kumar - SHANAVAS, Asifkhan - SRIVASTAVA, Rohit. Gold laced bio-macromolecules for theranostic application. In INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES. ISSN 0141-8130, 2018, vol. 110, SI, pp. 39-53., Registrované v: WOS
11. [1.2] BHAT, Mohd Amin - WANI, Irshad Ahmad - ASHRAF, Shah. Applications of nanomaterials in agriculture, food science, and medicine. In Applications of Nanomaterials in Agriculture, Food Science, and Medicine, 2020, pp. 1-442. Dostupné na: <https://doi.org/10.4018/978-1-7998-5563-7.>, Registrované v: SCOPUS
12. [1.2] LONE, Mohammad Nadeem - WANI, Irshad Ahmad - YATOO, Gulam Nabi - U-KHAZIR, Zubaid - BANDAY, Javid Ahmad. Role of gold nanoparticles in drug delivery and cancer therapy. In Applications of Nanomaterials in Agriculture, Food Science, and Medicine, 2020, pp. 124-140. Dostupné na: <https://doi.org/10.4018/978-1-7998-5563-7.ch008.>, Registrované v: SCOPUS
13. [1.2] NYAPETE, Calvin O. - BENZIGER, Alexander H.H. - BUCKNER, Steven W. - JELLISS, Paul A. Fabrication and characterization of aluminum nanoparticles entrapped in hollow polymer capsules. In NANO-STRUCTURES AND NANO-OBJECTS, 2018, vol.16, pp. 282-287., Registrované v: SCOPUS
14. [3.1] DHANASEKARAN, S. - CHOPRA, S. In SMART DRUG DELIVERY SYSTEM. Chapter: Getting a handle on smart drug delivery system. Ed. A.D.Sezer. InTech Publisher, 2016, pp. 31-62. Doi: 10.5772/61388 .

ADCA439 HOFBAUEROVÁ, Monika, Benkovičová** - HOLOŠ, Ana - NÁDAŽDY, Peter - HALAHOVETS, Yuriy - KOTLÁR, Mário - KOLLÁR, Jozef - ŠIFFALOVIC, Peter - JERGEL, Matej - MAJKOVÁ, Eva - MOSNÁČEK, Jaroslav - IVANČO, Ján. Tailoring the interparticle distance in Langmuir nanoparticle films. In *Physical Chemistry Chemical Physics*, 2019, vol. 21, no. 18, p. 9553-9563. (2018: 3.567 - IF, Q1 - JCR, 1.310 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 1463-9076. Dostupné na: <https://doi.org/10.1039/c9cp02064k>

Ohlasy:

1. [1.1] HAYASHI, Taichi - HIRAKAWA, Yuya - INOUE, Satoru - ARAI, Shunto - HASEGAWA, Tatsuo. Anomalous Hydrodynamic Size Distributions of Alkylamine/Alkylacid-Encapsulated Silver Nanocolloids: Implications for Printing Ultrafine Conductive Patterns. In ACS APPLIED NANO MATERIALS. ISSN 2574-0970, 2020, vol. 3, no. 7, pp. 6884-6891., Registrované v: WOS
2. [1.1] REIK, M. - CALABRO, M. - GRIESEMER, S. - BARRY, E. - BU, W. - LIN, B. - RICE, S.A. The influence of fractional surface coverage on the core-core separation in ordered monolayers of thiol-ligated Au nanoparticles. In SOFT MATTER. ISSN 1744-683X, NOV 21 2019, vol. 15, no. 43, p. 8800-8807., Registrované v: WOS

ADCA440 HOFBAUEROVÁ, Monika, Benkovičová - KISOVÁ, Zuzana - BUČKOVÁ, Mária - MAJKOVÁ, Eva - ŠIFFALOVIČ, Peter - PANGALLO, Domenico**. The antifungal properties of super-hydrophobic nanoparticles and essential oils on different material surfaces. In *Coatings*, 2019, vol. 9, no. 3, p. 176. (2018: 2.330 - IF, Q2 - JCR, Current Contents - CCC). (2019 - Current Contents). ISSN 2079-6412. Dostupné na: <https://doi.org/10.3390/coatings9030176>

Ohlasy:

1. [1.1] KAPICA, Ryszard - MARKIEWICZ, Justyna - TYCZKOWSKA-SIERON, Ewa - FRONCZAK, Maciej - BALCERZAK, Jacek - SIELSKI, Jan - TYCZKOWSKI, Jacek. Artificial Superhydrophobic and Antifungal Surface on Goose Down by Cold Plasma Treatment. In *COATINGS*, 2020, vol. 10, no. 9, 904., Registrované v: WOS

ADCA441 HOLLWIESER, R. - FABER, M. - GREENSITE, J. - HELLER, U.M. - OLEJNÍK, Štefan. Center vortices and the Dirac spectrum. In *Physical Review D*, 2008, vol. 78, no. 5, 054508. (2007: 4.696 - IF, Q1 - JCR, 2.593 - SJR, Q1 - SJR, Current Contents - CCC). (2008 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.78.054508>

Ohlasy:

1. [1.1] ALTARAWNEH, Derar - HOELLWIESER, Roman. Comment on "Fractional topological charges and the lowest Dirac modes". In *INTERNATIONAL JOURNAL OF MODERN PHYSICS A*. ISSN 0217-751X, 2019, vol. 34, no. 10, 1975001., Registrované v: WOS
2. [1.1] BISCHER, Ingolf. Massive Fluctuations in Deconfining SU(2) Yang-Mills Thermodynamics. In *ADVANCES IN HIGH ENERGY PHYSICS*. ISSN 1687-7357, 2017, 8593678., Registrované v: WOS
3. [1.1] NEJAD, Seyed Mohsen Hosseini. Fractional topological charges and the lowest Dirac modes. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2018, vol. 98, no. 9, 094513., Registrované v: WOS
4. [1.1] NEJAD, Seyed Mohsen Hosseini. Combining the color structures and intersection points of thick center vortices and low-lying Dirac modes. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2018, vol. 97, no. 5, 054516., Registrované v: WOS
5. [1.1] NEJAD, Seyed Mohsen Hosseini. Domain structures and quark potentials in SU(3) gauge theory. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2019, vol. 100, no. 11, 114504., Registrované v: WOS
6. [1.1] SPENGLER, Felix - QUANDT, Markus - REINHARDT, Hugo. Branching of center vortices in SU(3) lattice gauge theory. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2018, vol. 98, no. 9, 094508., Registrované v: WOS
7. [1.1] TREWARTHA, Daniel - KAMLEH, Waseem - LEINWEBER, Derek. Evidence that centre vortices underpin dynamical chiral symmetry breaking in SU(3) gauge theory. In *PHYSICS LETTERS B*. ISSN 0370-2693, 2015, vol. 747, pp. 373-377., Registrované v: WOS
8. [1.1] TREWARTHA, Daniel - KAMLEH, Waseem - LEINWEBER, Derek. Connection between center vortices and instantons through gauge-field smoothing. In *PHYSICAL REVIEW D*. ISSN 1550-7998, 2015, vol. 92, no. 7, 074507., Registrované v: WOS
9. [1.1] TREWARTHA, Daniel - KAMLEH, Waseem - LEINWEBER,

Derek B. Centre vortex removal restores chiral symmetry. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2017, vol. 44, no. 12, 125002., Registrované v: WOS

10. [1.1] VASTAG, P. - REINHARDT, H. - CAMPAGNARI, D. Improved variational approach to QCD in Coulomb gauge. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 93, no. 6, 065003., Registrované v: WOS

11. [3.1] Seyed Mohsen Hosseini Nejad. Intersections of plane vortices. In PREPRINT HEP-LAT/ 1606.04887, 2016.

ADCA442 HOLOTESCU, S. - STOIAN, F.D. - MARINICA, O. - KUBIČÁR, Ľudovít - KOPCANSKY, P. - TIMKO, M. Utilization of the magnetogranulometric analysis to estimate the thermal conductivity of magnetic fluids. In *Journal of Magnetism and Magnetic Materials*, 2011, vol. 323, no. 10, p. 1343-1347. (2010: 1.690 - IF, Q2 - JCR, 0.936 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 0304-8853. Dostupné na: <https://doi.org/10.1016/j.jmmm.2010.11.043>

Ohlasy:

1. [1.1] YAVARI, Mahdiah - MANSOURPOUR, Zahra - SHARIATY-NIASSAR, Mojtaba. Controlled assembly and alignment of CNTs in ferrofluid: Application in tunable heat transfer. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2019, vol. 479, pp. 170-178., Registrované v: WOS

ADCA443 HOLZMANN, R. - SCHUBERT, A. - HLAVÁČ, Stanislav - KULESSA, R. - NIEBUR, W. - SIMON, R.S. - LAUTRIDOU, P. - LEFEVRE, F. - MARQUES, M. - MATULEWICZ, T. - MITTIG, W. - OSTENDORF, R.W. - ROUSSELCHOMAZ, P. - SCHUTZ, Y. - BALLESTER, F. - DIAZ, J. - MARIN, A. - MARTINEZ, G. - METAG, V. - NOVOTNY, R. - WAGNER, V. - QUEBERT, J. Pion reabsorption in heavy-ion collisions interpreted in terms of the Delta capture process. In *Physics Letters B*, 1996, vol. 366, no. 1-4, p. 63-68. (1995: 3.272 - IF, Current Contents - CCC). (1996 - Current Contents, SCOPUS). ISSN 0370-2693. Dostupné na: [https://doi.org/10.1016/0370-2693\(95\)01342-3](https://doi.org/10.1016/0370-2693(95)01342-3)

Ohlasy:

1. [1.1] FENG, Zhao-Qing. Antiproton production in heavy-ion collisions at subthreshold energies. In CHINESE PHYSICS C. ISSN 1674-1137, 2020, vol. 44, no. 1, 014102., Registrované v: WOS

2. [1.1] FENG, Zhao-Qing. Nuclear dynamics and particle production near threshold energies in heavy-ion collisions. In NUCLEAR SCIENCE AND TECHNIQUES. ISSN 1001-8042, 2018, vol. 29, no. 3, 40., Registrované v: WOS

ADCA444 HOLZMANN, R. - SCHUBERT, A. - HLAVÁČ, Stanislav - KULESSA, R. - NIEBUR, W. - SIMON, R.S. - LAUTRIDOU, P. - LEFEVRE, R. - MARQUES, M. - MATULEWICZ, T. - MITTIG, W. - OSTENDORF, R.W. - ROUSSELCHOMAZ, P. - SCHUTZ, Y. - LOHNER, H. - VANPOL, J.H.G. - SIEMSEN, R.H. - WILSCHUT, H.W. - BALLESTER, F. - DIAZ, J. - MARIN, A. - MARTINEZ, G. - METAG, V. - NOVOTNY, R. - WAGNER, V. - QUEBERT, J. Pion reabsorption in heavy-ion collisions interpreted in terms of the Delta capture process (vol 366, pg 63, 1996). In *Physics Letters B*, 1996, vol. 375, no. 1-4, p. 359-359. (1995: 3.272 -

IF, Current Contents - CCC). (1996 - Current Contents, SCOPUS). ISSN 0370-2693.

Ohlasy:

1. [1.1] FENG, Zhao-Qing. Nuclear dynamics and particle production near threshold energies in heavy-ion collisions. In NUCLEAR SCIENCE AND TECHNIQUES. ISSN 1001-8042, 2018, vol. 29, no. 3, 40., Registrované v: WOS

ADCA445 HOMOLOVÁ, Viera - JANOVEC, Jozef - KUSÝ, M. - MORAVČÍK, Roman - ILLEKOVÁ, Emília - GRGAČ, Peter. Phase transformations and equilibria in Ledeburite type Ch3F12 and Ch12MF4 tool alloys. In *Canadian Metallurgical Quarterly*, 2003, vol. 42, no. 1, p. 89-96.

Ohlasy:

1. [1.1] BEHÚLOVÁ, M. - MESÁROŠOVÁ, J. - GRGAČ, P. Analysis of the influence of the gas velocity, particle size and nucleation temperature on the thermal history and microstructure development in the tool steel during atomization. In *Journal of Alloys and Compounds*. ISSN 09258388, 2015-01-15, 615, s1, pp. S217-S223., Registrované v: WOS

ADCA446 HORVÁTHOVÁ, Lucia - DUBECKÝ, Matúš - MITÁŠ, L. - ŠTICH, Ivan. Quantum Monte Carlo study of π -bonded transition metal organometallics: Neutral and cationic vanadium-benzene and cobalt-benzene half sandwiches. In *Journal of Chemical Theory and Computation*, 2013, vol. 9, no. 1, p. 390-400. (2012: 5.389 - IF, Q1 - JCR, 2.784 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents). ISSN 1549-9618. Dostupné na: <https://doi.org/10.1021/ct300887t>

Ohlasy:

1. [1.1] HAN LI-NAN - LIU ZI-ZHONG - LIU HONG-XIA - SHEN CHEN-FEI. Correlation Between the Ring Stretching Vibration Raman Spectroscopic Frequency and Aromaticity for Half Sandwich Complexes. In SPECTROSCOPY AND SPECTRAL ANALYSIS. ISSN 1000-0593, 2019, vol. 39, no. 1, pp. 114-122., Registrované v: WOS
2. [1.1] HONGO, Kenta - MAEZONO, Ryo. A Computational Scheme To Evaluate Hamaker Constants of Molecules with Practical Size and Anisotropy. In JOURNAL OF CHEMICAL THEORY AND COMPUTATION. ISSN 1549-9618, 2017, vol. 13, no. 11, pp. 5217-5230., Registrované v: WOS
3. [1.1] HONGO, Kenta - WATSON, Mark A. - IITAKA, Toshiaki - ASPURU-GUZI, Alan - MAEZONO, Ryo. Diffusion Monte Carlo Study of Para-Diiodobenzene Polymorphism Revisited. In JOURNAL OF CHEMICAL THEORY AND COMPUTATION. ISSN 1549-9618, 2015, vol. 11, no. 3, pp. 907., Registrované v: WOS
4. [1.1] KAROLAK, M. - JACOB, D. Effects of valence, geometry and electronic correlations on transport in transition metal benzene sandwich molecules. In JOURNAL OF PHYSICS-CONDENSED MATTER. ISSN 0953-8984, 2016, vol. 28, no. 44, pp. 1-16., Registrované v: WOS
5. [1.1] LUDOVICY, Jil - MOOD, Kaveh Haghighi - LUECHOW, Arne. Full Wave Function Optimization with Quantum Monte Carlo-A Study of the Dissociation Energies of ZnO, FeO, FeH, and CrS. In JOURNAL OF CHEMICAL THEORY AND COMPUTATION. ISSN 1549-9618, 2019, vol. 15, no. 10, pp. 5221-5229., Registrované v: WOS
6. [1.1] MARKS, Joshua H. - WARD, Timothy B. - BRATHWAITE,

Antonio D. - FERGUSON, Sojourna - DUNCAN, Michael A. Cyclotrimerization of Acetylene in Gas Phase $V+(C_2H_2)_n$ Complexes: Detection of Intermediates and Products with Infrared Spectroscopy. In JOURNAL OF PHYSICAL CHEMISTRY A. ISSN 1089-5639, 2019, vol. 123, no. 31, pp. 6733-6743., Registrované v: WOS

7. [1.1] PER, Manolo C. - CLELAND, Deidre M. Roadmap on post-DFT methods for nanoscience. In NANO FUTURES, 2020, vol. 4, no. 3, 032004., Registrované v: WOS

8. [1.1] QIN, Ken Sinkou - ICHIBHA, Tom - HONGO, Kenta - MAEZONO, Ryo. Inconsistencies in ab initio evaluations of non-additive contributions of DNA stacking energies. In CHEMICAL PHYSICS. ISSN 0301-0104, 2020, vol. 529, 110554., Registrované v: WOS

9. [1.1] SILKOWSKI, Michal - LESIUK, Michal - MOSZYNSKI, Robert. Calculation of the molecular integrals with the range-separated correlation factor. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2015, vol. 142, no. 12, 124102., Registrované v: WOS

10. [1.1] STELLA, Martina - BENNIE, Simon J. - MANBY, Frederick R. Computational study of adsorption of cobalt on benzene and coronene. In MOLECULAR PHYSICS. ISSN 0026-8976, 2015, vol. 113, no. 13-14, pp. 1858., Registrované v: WOS

11. [1.1] ZHANG, Na - DU, Hong - CHANG, Jun - JIN, Wei - LI, Chun - LEFKIDIS, Georgios - HUEBNER, Wolfgang. Ab initio study of ultrafast laser-induced spin flip, spin-flip transfer, and spin crossover in $Co(m)Bz(n)(+/0)$ clusters ($m, n=1, 2$). In PHYSICAL REVIEW B. ISSN 2469-9950, 2018, vol. 98, no. 10, 104431., Registrované v: WOS

ADCA447 HORVÁTHOVÁ, Lucia - DERIAN, René - MITÁŠ, L. - ŠTICH, Ivan.

Quantum Monte Carlo study of one-dimensional transition-metal organometallic cluster systems and their suitability as spin filters. In *Physical Review B*, 2014, vol. 90, no. 11, 115414. (2013: 3.664 - IF, Q1 - JCR, 2.804 - SJR, Q3 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.90.115414>

Ohlasy:

1. [1.1] BARBORINI, Matteo - GUIDONI, Leonardo. Geometries of low spin states of multi-centre transition metal complexes through extended broken symmetry variational Monte Carlo. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2016, vol. 145, no. 12, 124107., Registrované v: WOS

2. [1.1] GAN, Tian - ZHANG, Guiling - SHANG, Yan - SU, Xiaohong - YANG, Zhao-Di - SUN, Xiaojun. Electronic and transport properties of the $(VBz)_n@MoS_2NT$ nanocable. In PHYSICAL CHEMISTRY CHEMICAL PHYSICS. ISSN 1463-9076, 2016, vol. 18, no. 6, pp. 4385-4393., Registrované v: WOS

3. [1.1] HONGO, Kenta - MAEZONO, Ryo. A Computational Scheme To Evaluate Hamaker Constants of Molecules with Practical Size and Anisotropy. In JOURNAL OF CHEMICAL THEORY AND COMPUTATION. ISSN 1549-9618, 2017, vol. 13, no. 11, pp. 5217-5230., Registrované v: WOS

4. [1.1] ISUPOVA, G. G. - MALYSHEV, A. I. Open quantum billiard in a magnetic field: A perfect spin filter. In JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS. ISSN 1063-7761, 2015, vol. 121, no. 4, pp.

680-685., Registrované v: WOS

5. [1.1] PER, Manolo C. - CLELAND, Deidre M. Roadmap on post-DFT methods for nanoscience. In NANO FUTURES, 2020, vol. 4, no. 3, 032004., Registrované v: WOS

ADCA448 HORVÁTHOVÁ, Lucia - DUBECKÝ, Matúš - MITÁŠ, L. - ŠTICH, Ivan.

Spin multiplicity and symmetry breaking in vanadium-benzene complexes. In *Physical Review Letters*, 2012, vol. 109, no. 5, 053001. (2011: 7.370 - IF, Q1 - JCR, 6.314 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na:

<https://doi.org/10.1103/PhysRevLett.109.053001>

Ohlasy:

1. [1.1] BENALI, Anouar - LUO, Ye - SHIN, Hyeondeok - PAHLS, Dale - HEINONEN, Oile. Quantum Monte Carlo Calculations of Catalytic Energy Barriers in a Metallorganic Framework with Transition-Metal-Functionalized Nodes. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2018, vol. 122, no. 29, pp. 16683-16691., Registrované v: WOS

2. [1.1] BENNETT, M. Chandler - KULAHLIOGLU, A. H. - MITAS, L. A quantum Monte Carlo study of mono(benzene) TM and bis(benzene) TM systems. In CHEMICAL PHYSICS LETTERS. ISSN 0009-2614, 2017, vol. 667, pp. 74-78., Registrované v: WOS

3. [1.1] FUMANAL, Maria - WAGNER, Lucas K. - SANVITO, Stefano - DROGHETTI, Andrea. Diffusion Monte Carlo Perspective on the Spin-State Energetics of [Fe(NCH)(6)](2+). In JOURNAL OF CHEMICAL THEORY AND COMPUTATION. ISSN 1549-9618, 2016, vol. 12, no. 9, pp. 4233-4241., Registrované v: WOS

4. [1.1] KAROLAK, M. - JACOB, D. Effects of valence, geometry and electronic correlations on transport in transition metal benzene sandwich molecules. In JOURNAL OF PHYSICS-CONDENSED MATTER. ISSN 0953-8984, 2016, vol. 28, no. 44, pp. 1-16., Registrované v: WOS

5. [1.1] LEE, Hung-Wen - CHANG, Chun-Ming - HSING, Cheng-Rong. Puzzle of magnetic moments of Ni clusters revisited using quantum Monte Carlo method. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2017, vol. 146, no. 8, 084313., Registrované v: WOS

6. [1.1] MARKS, Joshua H. - WARD, Timothy B. - BRATHWAITE, Antonio D. - FERGUSON, Sojourna - DUNCAN, Michael A. Cyclotrimerization of Acetylene in Gas Phase V+(C2H2)(n) Complexes: Detection of Intermediates and Products with Infrared Spectroscopy. In JOURNAL OF PHYSICAL CHEMISTRY A. ISSN 1089-5639, 2019, vol. 123, no. 31, pp. 6733-6743., Registrované v: WOS

7. [1.1] MASUBUCHI, Tsugunosuke - IWASA, Takeshi - NAKAJIMA, Atsushi. Multiple-decker and ring sandwich formation of manganese-benzene organometallic cluster anions: Mn(n)Bz(n)(-) (n=1-5 and 18). In PHYSICAL CHEMISTRY CHEMICAL PHYSICS. ISSN 1463-9076, 2016, vol. 18, no. 37, pp. 26049-26056., Registrované v: WOS

8. [1.1] PYKAL, Martin - JURECKA, Petr - KARLICKY, Frantisek - OTYEPKA, Michal. Modelling of graphene functionalization. In PHYSICAL CHEMISTRY CHEMICAL PHYSICS. ISSN 1463-9076, 2016, vol. 18, no. 9, pp. 6351-6372., Registrované v: WOS

9. [1.1] SONG, Suhwan - KIM, Min-Cheol - SIM, Eunji - BENALI, Anouar - HEINONEN, Olle - BURKE, Kieron. Benchmarks and Reliable DFT Results for Spin Gaps of Small Ligand Fe(II) Complexes. In JOURNAL OF CHEMICAL THEORY AND COMPUTATION. ISSN 1549-9618, 2018, vol. 14, no. 5, pp. 2304-2311., Registrované v: WOS

ADCA449 HOŠKO, Jozef - JANOTOVÁ, Irena - ŠVEC, Peter Jr. - JANIČKOVIČ, Dušan - VLASÁK, Gabriel - ILLEKOVÁ, Emília - MAŤKO, Igor - ŠVEC, Peter. Preparation of thin ribbon and bulk glassy alloys in CoFeBSiNb(Ga) using planar flow casting and suction casting methods. In *Journal of Non-Crystalline Solids*, 2012, vol. 358, no. 12-13, p. 1545-1549. (2011: 1.537 - IF, Q1 - JCR, 0.844 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents). ISSN 0022-3093. Dostupné na: <https://doi.org/10.1016/j.jnoncrsol.2012.04.016>

Ohlasy:

1. [1.1] PIETRUSIEWICZ, P. - NABIALEK, M. EFFECT OF SELECTED ALLOYING ELEMENTS ON THE SOFT-MAGNETIC AND MECHANICAL PROPERTIES OF INJECTION-CAST Fe₆₁Co₁₀Y₈Me₁B₂₀ ALLOYS (Me = Nb, W OR Mo). In ARCHIVES OF METALLURGY AND MATERIALS. ISSN 1733-3490, 2018, vol. 63, no. 1, pp. 61-64., Registrované v: WOS

ADCA450 HOŠKO, Jozef - JANOTOVÁ, Irena - ŠVEC, Peter Jr. - MAŤKO, Igor - JANIČKOVIČ, Dušan - ŠVEC, Peter. Structure analysis of CoFeBSiNb(Ga) pseudobulk metallic glasses. In *Applied Surface Science*, 2013, vol. 269, p. 77-80. (2012: 2.112 - IF, Q1 - JCR, 0.913 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 0169-4332. Dostupné na: <https://doi.org/10.1016/j.apsusc.2012.09.162>

Ohlasy:

1. [1.1] HITIT, Aytekin - GECGIN, Merve - OZTURK, Pelin. Effect of Annealing on Microstructure and Microhardness of Co-Fe-Ni-Ta-B-Si Bulk Metallic Glass. In JOURNAL OF MATERIALS SCIENCE & TECHNOLOGY. ISSN 1005-0302, 2015, vol. 31, no. 2, pp. 148-152., Registrované v: WOS
2. [1.1] ZHENG, Hao - YAO, Weihua - SUN, Huaijun - TONG, Guoxiu. Highly enhanced microwave absorption properties of CoFeBSiNb metallic glasses through corrosion. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2018, vol. 468, pp. 109-114., Registrované v: WOS

ADCA451 HOWON, Kim** - PALACIO-MORALES, Alexandra - POSSKE, Thore - RÓZSA, Levente - PALOTÁS, Krisztián - SZUNYOGH, László - THORWART, Michael - WIESENDANGER, Roland**. Toward tailoring Majorana bound states in artificially constructed magnetic atom chains on elemental superconductors. In *Science Advances*, 2018, vol. 4, no. 5, eaar 5251. (2017: 11.511 - IF, Q1 - JCR, 5.817 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 2375-2548. Dostupné na: <https://doi.org/10.1126/sciadv.aar5251>

Ohlasy:

1. [1.1] ATZORI, Matteo - SESSOLI, Roberta. The Second Quantum Revolution: Role and Challenges of Molecular Chemistry. In JOURNAL OF THE AMERICAN CHEMICAL SOCIETY. ISSN 0002-7863, 2019, vol. 141, no. 29, pp. 11339-11352., Registrované v: WOS

2. [1.1] BARANSKI, J. - ZIENKIEWICZ, T. Interferometric Signatures of Electron Transfer through Majorana Bound States. In ACTA PHYSICA POLONICA A. ISSN 0587-4246, 2019, vol. 136, no. 4, pp. 662-666., Registrované v: WOS
3. [1.1] BEDOW, Jasmin - MASCOT, Eric - POSSKE, Thore - UHRIG, Goetz S. - WIESENDANGER, Roland - RACHEL, Stephan - MORR, Dirk K. Topological superconductivity induced by a triple-q magnetic structure. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 102, no. 18, 180504., Registrované v: WOS
4. [1.1] BESPALOV, A. A. Impurity-induced subgap states in superconductors with inhomogeneous pairing. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 100, no. 9, 094507., Registrované v: WOS
5. [1.1] BRINKER, Sascha - DIAS, Manuel dos Santos - LOUNIS, Samir. Prospecting chiral multisite interactions in prototypical magnetic systems. In PHYSICAL REVIEW RESEARCH, 2020, vol. 2, no. 3, 033240., Registrované v: WOS
6. [1.1] CRAWFORD, Daniel - MASCOT, Eric - MORR, Dirk K. - RACHEL, Stephan. High-temperature Majorana fermions in magnet-superconductor hybrid systems. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 101, no. 17, 174510., Registrované v: WOS
7. [1.1] ELBERTSE, R. J. G. - COFFEY, D. - GOBEIL, J. - OTTE, A. F. Remote detection and recording of atomic-scale spin dynamics. In COMMUNICATIONS PHYSICS. ISSN 2399-3650, 2020, vol. 3, no. 1, 94., Registrované v: WOS
8. [1.1] FIGGINS, Jeremy - MATTOS, Laila S. - MAR, Warren - CHEN, Yi-Ting - MANOHARAN, Hari C. - MORR, Dirk K. Quantum engineered Kondo lattices. In NATURE COMMUNICATIONS. ISSN 2041-1723, 2019, vol. 10, 5588., Registrované v: WOS
9. [1.1] FREENEY, Saoirse E. - BORMAN, Samuel T. P. - HARTEVELD, Jacob W. - SWART, Ingmar. Coupling quantum corrals to form artificial molecules. In SCIPOST PHYSICS. ISSN 2542-4653, 2020, vol. 9, no. 6, 085., Registrované v: WOS
10. [1.1] FREENEY, S. E. - VAN DEN BROEKE, J. J. - VAN DER VEEN, A. J. J. Harsveld - SWART, I - SMITH, C. Morais. Edge-Dependent Topology in Kekule Lattices. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2020, vol. 124, no. 23, 236404., Registrované v: WOS
11. [1.1] GARNIER, Maxime - MESAROS, Andrej - SIMON, Pascal. Topological superconductivity with deformable magnetic skyrmions. In COMMUNICATIONS PHYSICS. ISSN 2399-3650, 2019, vol. 2, 126., Registrované v: WOS
12. [1.1] GLODZIK, Szczepan - SEDLMAYR, Nicholas - DOMANSKI, Tadeusz. How to measure the Majorana polarization of a topological planar Josephson junction. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 102, no. 8, 085411., Registrované v: WOS
13. [1.1] GONZALEZ, Sergio Acero - MELISCHEK, Larissa - PETERS, Olof - FLENSBERG, Karsten - FRANKE, Katharina J. - VON OPPEN, Felix. Photon-assisted resonant Andreev reflections: Yu-Shiba-Rusinov and Majorana states. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 102, no. 4, 045413., Registrované v: WOS
14. [1.1] GORCZYCA-GORAJ, Anna - DOMANSKI, Tadeusz -

- MASKA, Maciej M. Topological superconductivity at finite temperatures in proximitized magnetic nanowires. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 99, no. 23, 235430., Registrované v: WOS
15. [1.1] GORSKI, G. - BARANSKI, J. - WEYMANN, I - DOMANSKI, T. Interplay between correlations and Majorana mode in proximitized quantum dot. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2018, vol. 8, 15717., Registrované v: WOS
16. [1.1] GORSKI, G. - KUCAB, K. - DOMANSKI, T. Magnetic field effect on trivial and topological bound states of superconducting quantum dot. In JOURNAL OF PHYSICS-CONDENSED MATTER. ISSN 0953-8984, 2020, vol. 32, no. 44, 445803., Registrované v: WOS
17. [1.1] HASSANIEN, Abdou - ZHOU, Biao - KOBAYASHI, Akiko. Spontaneous Antiferromagnetic Ordering in a Single Layer of (BETS)(2)GaCl(4)Organic Superconductor. In ADVANCED ELECTRONIC MATERIALS. ISSN 2199-160X, 2020, vol. 6, no. 10, 2000461., Registrované v: WOS
18. [1.1] HASSANIEN, Abdou. Tunable Flat Band in Large-Scale Kagome Lattice of Single Layer (BETS)(2)GaCl4. In PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS. ISSN 0370-1972, 2019, vol. 256, no. 12, 1900346., Registrované v: WOS
19. [1.1] HUANG, Haonan - PADURARIU, Ciprian - SENKPIEL, Jacob - DROST, Robert - YEYATI, Alfredo Levy - CUEVAS, Juan Carlos - KUBALA, Bjoern - ANKERHOLD, Joachim - KERN, Klaus - AST, Christian R. Tunnelling dynamics between superconducting bound states at the atomic limit. In NATURE PHYSICS. ISSN 1745-2473, 2020, vol. 16, no. 12., Registrované v: WOS
20. [1.1] HUDA, Md Nurul - KEZILEBIEKE, Shawulien - OJANEN, Teemu - DROST, Robert - LILJEROTH, Peter. Tuneable topological domain wall states in engineered atomic chains. In NPJ QUANTUM MATERIALS, 2020, vol. 5, no. 1, 17., Registrované v: WOS
21. [1.1] CHAUDHARY, Gaurav - MACDONALD, Allan H. Vortex-lattice structure and topological superconductivity in the quantum Hall regime. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 101, no. 2, 024516., Registrované v: WOS
22. [1.1] CHEN, Cheng - JIANG, Kun - ZHANG, Yi - LIU, Chao - LIU, Yi - WANG, Ziqiang - WANG, Jian. Atomic line defects and zero-energy end states in monolayer Fe(Te,Se) high-temperature superconductors. In NATURE PHYSICS. ISSN 1745-2473, 2020, vol. 16, no. 5, pp. 536-+., Registrované v: WOS
23. [1.1] CHEN, Xiaoyu - CHEN, Mingyang - DUAN, Wen - YANG, Huan - WEN, Hai-Hu. Robust Zero Energy Modes on Superconducting Bismuth Islands Deposited on Fe(Te,Se). In NANO LETTERS. ISSN 1530-6984, 2020, vol. 20, no. 5, pp. 2965-2972., Registrované v: WOS
24. [1.1] CHOI, Deung-Jang - LORENTE, Nicolas - WIEBE, Jens - VON BERGMANN, Kirsten - OTTE, Alexander F. - HEINRICH, Andreas J. Colloquium: Atomic spin chains on surfaces. In REVIEWS OF MODERN PHYSICS. ISSN 0034-6861, 2019, vol. 91, no. 4, 041001., Registrované v: WOS
25. [1.1] JIANG, Hong-Min - SHANG, Jing-Long - HU, Ling-Zhi. A self-consistent investigation of the topological state in the Ising superconductors. In JOURNAL OF PHYSICS-CONDENSED MATTER. ISSN 0953-8984, 2019,

- vol. 31, no. 29, 295602., Registrované v: WOS
26. [1.1] JIANG, Mi. Tunable magnetism of a hexagonal Anderson droplet on the triangular lattice. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 100, no. 1, 014422., Registrované v: WOS
27. [1.1] JIAN, Li. Theory of topological superconductivity based on Yu-Shiba-Rusinov states. In ACTA PHYSICA SINICA. ISSN 1000-3290, 2020, vol. 69, no. 11, 117401., Registrované v: WOS
28. [1.1] JONCKHEERE, Thibaut - RECH, Jerome - RAYMOND, Laurent - ZAZUNOV, Alex - EGGER, Reinhold - MARTIN, Thierry. Evidence of Majorana fermions in the noise characteristic of normal metal-topological superconductor junctions. In EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS. ISSN 1951-6355, 2020, vol. 229, no. 4, pp. 577-592., Registrované v: WOS
29. [1.1] KEZILEBIEKE, Shawulienu - ZITKO, Rok - DVORAK, Marc - OJANEN, Teemu - LILJEROTH, Peter. Observation of Coexistence of Yu-Shiba-Rusinov States and Spin-Flip Excitations. In NANO LETTERS. ISSN 1530-6984, 2019, vol. 19, no. 7, pp. 4614-4619., Registrované v: WOS
30. [1.1] KEZILEBIEKE, Shawulienu - HUDA, Nurul - VANO, Viliam - AAPRO, Markus - GANGULI, Somesh C. - SILVEIRA, Orlando J. - GLODZIK, Szczepan - FOSTER, Adam S. - OJANEN, Teemu - LILJEROTH, Peter. Topological superconductivity in a van der Waals heterostructure. In NATURE. ISSN 0028-0836, 2020, vol. 588, no. 7838, pp. 424-428., Registrované v: WOS
31. [1.1] KEZILEBIEKE, Shawulienu - HUDA, Md Nurul - DREHER, Paul - MANNINEN, Ilkka - ZHOU, Yifan - SAINIO, Jani - MANSELL, Rhodri - UGEDA, Miguel M. - VAN DIJKEN, Sebastiaan - KOMSA, Hannu-Pekka - LILJEROTH, Peter. Electronic and magnetic characterization of epitaxial VSe(2)monolayers on superconducting NbSe2. In COMMUNICATIONS PHYSICS. ISSN 2399-3650, 2020, vol. 3, no. 1, 116., Registrované v: WOS
32. [1.1] KIM, Howon - ROZSA, Levente - SCHREYER, Dominik - SIMON, Eszter - WIESENDANGER, Roland. Long-range focusing of magnetic bound states in superconducting lanthanum. In NATURE COMMUNICATIONS. ISSN 2041-1723, 2020, vol. 11, no. 1, 4573., Registrované v: WOS
33. [1.1] KOBIALKA, Aksel - DOMANSKI, Tadeusz - PTOK, Andrzej. Delocalisation of Majorana quasiparticles in plaquette-nanowire hybrid system. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2019, vol. 9, 12933., Registrované v: WOS
34. [1.1] KOBIALKA, Aksel - PIEKARZ, Przemysław - OLES, Andrzej M. - PTOK, Andrzej. First-principles study of the nontrivial topological phase in chains of 3d transition metals. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 101, no. 20, 205143., Registrované v: WOS
35. [1.1] KOBIALKA, Aksel - PTOK, Andrzej. Electrostatic formation of the Majorana quasiparticles in the quantum dot-nanoring structure. In JOURNAL OF PHYSICS-CONDENSED MATTER. ISSN 0953-8984, 2019, vol. 31, no. 18, 185302., Registrované v: WOS
36. [1.1] KOBIALKA, Aksel - SEDLMAYR, Nicholas - MASKA, Maciej M. - DOMANSKI, Tadeusz. Dimerization-induced topological superconductivity in a Rashba nanowire. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 101, no. 8, 085402., Registrované v: WOS
37. [1.1] KOBIALKA, A. - PTOK, A. Majorana Bound State Leakage to Impurity in Su-Schrieffer-Heeger-Rashba Scenario Majorana Bound State

Leakage to Impurity in Su-Schrieffer-Heeger-Rashba Scenario. In ACTA PHYSICA POLONICA A. ISSN 0587-4246, 2020, vol. 138, no. 5, pp. 673-680., Registrované v: WOS

38. [1.1] KOROBOVA, J. G. - NIKITINA, I. A. - BAZHANOV, D. - RUIZ-DIAZ, P. Oxygen-Mediated Superexchange Interactions and Their Impact on the Structural Stability, Magnetic Order, and Magnetocrystalline Anisotropy of One-Dimensional Co-Oxide Chains on Rh(553) Step-Surfaces. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2020, vol. 124, no. 47, pp. 26026-26036., Registrované v: WOS

39. [1.1] KOTETES, Panagiotis - MERCALDO, Maria Teresa - CUOCO, Mario. Synthetic Weyl Points and Chiral Anomaly in Majorana Devices with Nonstandard Andreev-Bound-State Spectra. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 123, no. 12, 126802., Registrované v: WOS

40. [1.1] KUBETZKA, Andre - BUERGER, Jan M. - WIESENDANGER, Roland - VON BERGMANN, Kirsten. Towards skyrmion-superconductor hybrid systems. In PHYSICAL REVIEW MATERIALS. ISSN 2475-9953, 2020, vol. 4, no. 8, 081401., Registrované v: WOS

41. [1.1] LEUMER, Nico - MARGANSKA, Magdalena - MURALIDHARAN, Bhaskaran - GRIFONI, Milena. Exact eigenvectors and eigenvalues of the finite Kitaev chain and its topological properties. In JOURNAL OF PHYSICS-CONDENSED MATTER. ISSN 0953-8984, 2020, vol. 32, no. 44, 445502., Registrované v: WOS

42. [1.1] LIEBHABER, Eva - GONZALEZ, Sergio Acero - BABA, Rojhat - REECHT, Gael - HEINRICH, Benjamin W. - ROHLF, Sebastian - ROSSNAGEL, Kai - VON OPPEN, Felix - FRANKE, Katharina J. Yu-Shiba-Rusinov States in the Charge-Density Modulated Superconductor NbSe₂. In NANO LETTERS. ISSN 1530-6984, 2020, vol. 20, no. 1, pp. 339-344., Registrované v: WOS

43. [1.1] LI, W. - PAUL, S. - VON BERGMANN, K. - HEINZE, S. - WIESENDANGER, R. Stacking-Dependent Spin Interactions in Pd/Fe Bilayers on Re(0001). In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2020, vol. 125, no. 22, 227205., Registrované v: WOS

44. [1.1] LOUNIS, Samir. Multiple-scattering approach for multi-spin chiral magnetic interactions: application to the one- and two-dimensional Rashba electron gas. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2020, vol. 22, no. 10, 103003., Registrované v: WOS

45. [1.1] MACHIDA, T. - SUN, Y. - PYON, S. - TAKEDA, S. - KOHSAKA, Y. - HANAGURI, T. - SASAGAWA, T. - TAMEGAI, T. Zero-energy vortex bound state in the superconducting topological surface state of Fe(Se,Te). In NATURE MATERIALS. ISSN 1476-1122, 2019, vol. 18, no. 8, pp. 811-+, Registrované v: WOS

46. [1.1] MALAVOLTI, Luigi - BRIGANTI, Matteo - HAENZE, Max - SERRANO, Giulia - CIRNATTI, Irene - MCMURTRIE, Gregory - OTERO, Edwige - OHRESSER, Philippe - TOTTI, Federico - MANNINI, Matteo - SESSOLI, Roberta - LOTH, Sebastian. Tunable Spin-Superconductor Coupling of Spin 1/2 Vanadyl Phthalocyanine Molecules. In NANO LETTERS. ISSN 1530-6984, 2018, vol. 18, no. 12, pp. 7955-7961., Registrované v: WOS

47. [1.1] MARRA, Pasquale - NITTA, Muneto. Topologically nontrivial Andreev bound states. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol.

- 100, no. 22, 220502., Registrované v: WOS
48. [1.1] MASCOT, Eric - AGRAHAR, Chaitra - RACHEL, Stephan - MORR, Dirk K. Stability of disordered topological superconducting phases in magnet-superconductor hybrid systems. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 100, no. 23, 235102., Registrované v: WOS
49. [1.1] MASCOT, Eric - COCKLIN, Sagen - RACHEL, Stephan - MORR, Dirk K. Dimensional tuning of Majorana fermions and real space counting of the Chern number. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 100, no. 18, 184510., Registrované v: WOS
50. [1.1] MASHKOORI, Mahdi - PRADHAN, Saurabh - BJORNSON, Kristofer - FRANSSON, Jonas - BLACK-SCHAFFER, Annica M. Identification of topological superconductivity in magnetic impurity systems using bulk spin polarization. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 102, no. 10, 104501., Registrované v: WOS
51. [1.1] MASHKOORI, Mandi - BLACK-SCHAFFER, Annica. Majorana bound states in magnetic impurity chains: Effects of d-wave pairing. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 99, no. 2, 024505., Registrované v: WOS
52. [1.1] MERCALDO, Maria Teresa - KOTETES, Panagiotis - CUOCO, Mario. Magnetoelectrically tunable Andreev bound state spectra and spin polarization in p-wave Josephson junctions. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 100, no. 10, 104519., Registrované v: WOS
53. [1.1] MISEREV, D. - SUSHKOV, O. P. Prediction of the spin triplet two-electron quantum dots in Si: Towards controlled quantum simulations of magnetic systems. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 100, no. 20, 205129., Registrované v: WOS
54. [1.1] ODOBESKO, Artem B. - HALDAR, Soumyajyoti - WILFERT, Stefan - HAGEN, Jakob - JUNG, Johannes - SCHMIDT, Niclas - SESSI, Paolo - VOGT, Matthias - HEINZE, Stefan - BODE, Matthias. Preparation and electronic properties of clean superconducting Nb(110) surfaces. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 99, no. 11, 115437., Registrované v: WOS
55. [1.1] ODOBESKO, Artem - DI SANTE, Domenico - KOWALSKI, Alexander - WILFERT, Stefan - FRIEDRICH, Felix - THOMALE, Ronny - SANGIOVANNI, Giorgio - BODE, Matthias. Observation of tunable single-atom Yu-Shiba-Rusinov states. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 102, no. 17, 174504., Registrované v: WOS
56. [1.1] OREG, Yuval - VON OPPEN, Felix. Majorana Zero Modes in Networks of Cooper-Pair Boxes: Topologically Ordered States and Topological Quantum Computation. In ANNUAL REVIEW OF CONDENSED MATTER PHYSICS, VOL 11, 2020. ISSN 1947-5454, 2020, vol. 11, pp. 397-420., Registrované v: WOS
57. [1.1] PAWLAK, Remy - HOFFMAN, Silas - KLINOVAJA, Jelena - LOSS, Daniel - MEYER, Ernst. Majorana fermions in magnetic chains. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2019, vol. 107, pp. 1-19., Registrované v: WOS
58. [1.1] PERRIN, Vivien - SANTOS, Flavio L. N. - MENARD, Gerbold C. - BRUN, Christophe - CREN, Tristan - CIVELLI, Marcello - SIMON, Pascal. Unveiling Odd-Frequency Pairing around a Magnetic Impurity in a Superconductor. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2020,

vol. 125, no. 11, 117003., Registrované v: WOS

59. [1.1] PETERS, Olof - BOGDANOFF, Nils - ACERO GONZALEZ, Sergio - MELISCHEK, Larissa - SIMON, J. Rika - REECHT, Gael - WINKELMANN, Clemens B. - VON OPPEN, Felix - FRANKE, Katharina J. Resonant Andreev reflections probed by photon-assisted tunnelling at the atomic scale. In NATURE PHYSICS. ISSN 1745-2473, 2020, vol. 16, no. 12, pp., Registrované v: WOS

60. [1.1] POSSKE, Thore - CHIU, Ching-Kai - THORWART, Michael. Vortex Majorana braiding in a finite time. In PHYSICAL REVIEW RESEARCH, 2020, vol. 2, no. 2, 023205., Registrované v: WOS

61. [1.1] PTOK, Andrzej - ALSPAUGH, David J. - GLODZIK, Szczepan - KOBIALKA, Aksel - OLES, Andrzej M. - SIMON, Pascal - PIEKARZ, Przemyslaw. Probing the chirality of one-dimensional Majorana edge states around a two-dimensional nanoflake in a superconductor. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 102, no. 24, 245405., Registrované v: WOS

62. [1.1] RADGOHAR, Roya - KARGARIAN, Mehdi. Effects of dynamical noises on Majorana bound states. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 102, no. 16, 165111., Registrované v: WOS

63. [1.1] SANTOS, Flavio L. N. - PERRIN, Vivien - JAMET, Francois - CIVELLI, Marcello - SIMON, Pascal - AGUIAR, Maria C. O. - MIRANDA, Eduardo - ROZENBERG, Marcelo J. Odd-frequency superconductivity in dilute magnetic superconductors. In PHYSICAL REVIEW RESEARCH, 2020, vol. 2, no. 3, 033229., Registrované v: WOS

64. [1.1] SETTINO, J. - FORTE, F. - PERRONI, C. A. - CATAUDELLA, V. - CUOCO, M. - CITRO, R. Spin-orbital polarization of Majorana edge states in oxide nanowires. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 102, no. 22, 224508., Registrované v: WOS

65. [1.1] SHIBAUCHI, Takasada - HANAGURI, Tetsuo - MATSUDA, Yuji. Exotic Superconducting States in FeSe-based Materials. In JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN. ISSN 0031-9015, 2020, vol. 89, no. 10, 102002., Registrované v: WOS

66. [1.1] SCHERUBL, Zoltan - FULOP, Gergo - MOCA, Catalin Pascu - GRAMICH, Jorg - BAUMGARTNER, Andreas - MAKK, Peter - ELALAILY, Tosson - SCHONENBERGER, Christian - NYGARD, Jesper - ZARAND, Gergely - CSONKA, Szabolcs. Large spatial extension of the zero-energy Yu-Shiba-Rusinov state in a magnetic field. In NATURE COMMUNICATIONS. ISSN 2041-1723, 2020, vol. 11, no. 1, 1834., Registrované v: WOS

67. [1.1] SCHNEIDER, Lucas - BRINKER, Sascha - STEINBRECHER, Manuel - HERMENAUE, Jan - POSSKE, Thore - DIAS, Manuel dos Santos - LOUNIS, Samir - WIESENDANGER, Roland - WIEBE, Jens. Controlling in-gap end states by linking nonmagnetic atoms and artificially-constructed spin chains on superconductors. In NATURE COMMUNICATIONS. ISSN 2041-1723, 2020, vol. 11, no. 1, 4707., Registrované v: WOS

68. [1.1] SZECHENYI, Gabor - PALYI, Andras. Parity-to-charge conversion for readout of topological Majorana qubits. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 101, no. 23, 235441., Registrované v: WOS

69. [1.1] TEIXEIRA, Raphael L. R. C. - KUZMANOVSKI, Dushko - BLACK-SCHAFFER, Annica M. - DA SILVA, Luis G. G. V. Dias. Gap oscillations and Majorana bound states in magnetic chains on superconducting

- honeycomb lattices. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 99, no. 3, 035127., Registrované v: WOS
70. [1.1] TEIXEIRA, Raphael L. R. C. - KUZMANOVSKI, Dushko - BLACK-SCHAFFER, Annica M. - DIAS DA SILVA, Luis G. G. Enhanced Majorana bound states in magnetic chains on superconducting topological insulator edges. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 102, no. 16, 165312., Registrované v: WOS
71. [1.1] TUOVINEN, Riku - PERFETTO, Enrico - VAN LEEUWEN, Robert - STEFANUCCI, Gianluca - SENTEF, Michael A. Distinguishing Majorana zero modes from impurity states through time-resolved transport. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2019, vol. 21, no. 10, 103038., Registrované v: WOS
72. [1.1] URRU, Andrea - DAL CORSO, Andrea. Spin-polarized electronic surface states of Re(0001): An ab-initio investigation. In SURFACE SCIENCE. ISSN 0039-6028, 2019, vol. 686, pp. 22-29., Registrované v: WOS
73. [1.1] WANG, Zhenyu - RODRIGUEZ, Jorge Olivares - JIAO, Lin - HOWARD, Sean - GRAHAM, Martin - GU, G. D. - HUGHES, Taylor L. - MORR, Dirk K. - MADHAVAN, Vidya. Evidence for dispersing 1D Majorana channels in an iron-based superconductor. In SCIENCE. ISSN 0036-8075, 2020, vol. 367, no. 6473, pp. 104-+, Registrované v: WOS
74. [1.1] WIECKOWSKI, Andrzej - PTOK, Andrzej. Influence of long-range interaction on Majorana zero modes. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 100, no. 14, 144510., Registrované v: WOS
75. [1.1] WIECKOWSKI, Andrzej - MIERZEJEWSKI, Marcin - KUPCZYNSKI, Michal. Majorana phase gate based on the geometric phase. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 101, no. 1, 014504., Registrované v: WOS
76. [1.1] YAN, Linghao - LILJEROTH, Peter. Engineered electronic states in atomically precise artificial lattices and graphene nanoribbons. In ADVANCES IN PHYSICS-X. ISSN 2374-6149, 2019, vol. 4, no. 1, UNSP 1651672., Registrované v: WOS
77. [1.1] ZHANG, Songtian S. - YIN, Jia-Xin - DAI, Guangyang - ZHAO, Lingxiao - CHANG, Tay-Rong - SHUMIYA, Nana - JIANG, Kun - ZHENG, Hao - BIAN, Guang - MULTER, Daniel - LITSKEVICH, Maksim - CHANG, Guoqing - BELOPOLSKI, Ilya - COCHRAN, Tyler A. - WU, Xianxin - WU, Desheng - LUO, Jianlin - CHEN, Genfu - LIN, Hsin - CHOU, Fang-Cheng - WANG, Xiancheng - JIN, Changqing - SANKAR, Raman - WANG, Ziqiang - HASAN, M. Zahid. Field-free platform for Majorana-like zero mode in superconductors with a topological surface state. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 101, no. 10, 100507., Registrované v: WOS
78. [1.1] ZHOU, Tong - MOHANTA, Narayan - HAN, Jong E. - MATOS-ABIAGUE, Alex - ZUTIC, Igor. Tunable magnetic textures in spin valves: From spintronics to Majorana bound states. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 99, no. 13, 134505., Registrované v: WOS
79. [1.1] ZIENKIEWICZ, T. - BARANSKI, J. - GORSKI, G. - DOMANSKI, T. Leakage of Majorana mode into correlated quantum dot nearby its singlet-doublet crossover. In JOURNAL OF PHYSICS-CONDENSED MATTER. ISSN 0953-8984, 2020, vol. 32, no. 2, 025302., Registrované v: WOS

ADCA452 HRISTOFOROU, E. - VOURNA, P. - KTENA, A. - ŠVEC, Peter. On the universality of the dependence of magnetic parameters on residual stresses in steels. In *IEEE Transactions on Magnetism*, 2016, vol. 52, no. 5, art. no. 6201106. (2015: 1.277 - IF, Q2 - JCR, 0.575 - SJR, Q2 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0018-9464. Dostupné na: <https://doi.org/10.1109/TMAG.2015.2509642>

Ohlasy:

1. [1.1] HE, Youliang - MEHDI, Mehdi - HILINSKI, Erik J. - EDRISY, Afsaneh - MUKUNDAN, Shruthi - MOLLAEIAN, Aida - KAR, Narayan C. Evaluation of Local Anisotropy of Magnetic Response From Non-Oriented Electrical Steel by Magnetic Barkhausen Noise. In *IEEE TRANSACTIONS ON MAGNETICS*. ISSN 0018-9464, 2018, vol. 54, no. 11, 6001305., Registrované v: WOS
2. [1.1] CHMIELEWSKI, Marek - PIOTROWSKI, Leszek - AUGUSTYNIAK, Boleslaw. A fast procedure of stress state evaluation in magnetically anisotropic steels with the help of a probe with adjustable magnetizing field direction. In *MEASUREMENT SCIENCE AND TECHNOLOGY*. ISSN 0957-0233, 2017, vol. 28, no. 4, 045903., Registrované v: WOS
3. [1.1] LIANG, Kaiming - TSARABARIS, Panagiotis - KTENA, Aphrodite - BI, Xiaofang - HRISTOFOROU, Evangelos. Smart Stress Annihilation in Steels Using Residual Stress Distribution Monitoring and Localized Induction Heating. In *METALS*, 2020, vol. 10, no. 6, 838., Registrované v: WOS
4. [1.1] LIU, Bin - MA, Zeyu - HE, Luyao - WANG, Di - ZHANG, Hai - REN, Jian. Quantitative study on the propagation characteristics of MMM signal for stress internal detection of long distance oil and gas pipeline. In *NDT & E INTERNATIONAL*. ISSN 0963-8695, 2018, vol. 100, pp. 40-47., Registrované v: WOS
5. [1.1] LIU, Bin - ZHENG, Simeng - HE, Luyao - ZHANG, He - REN, Jian. Study on Internal Detection in Oil-Gas Pipelines Based on Complex Stress Magnetomechanical Modeling. In *IEEE TRANSACTIONS ON INSTRUMENTATION AND MEASUREMENT*. ISSN 0018-9456, 2020, vol. 69, no. 7, pp. 5027-5036., Registrované v: WOS
6. [1.1] MANGIOROU, E. Design and development of a new magnetic sensor for stress monitoring and annihilation/control in steels. In *6TH INTERNATIONAL CONFERENCE ON MATERIALS AND APPLICATIONS FOR SENSORS AND TRANSDUCERS, (IC-MAST 2016)*. ISSN 1742-6588, 2017, vol. 939, UNSP 012024., Registrované v: WOS
7. [1.1] PIOTROWSKI, Leszek - CHMIELEWSKI, Marek - KOWALEWSKI, Zbigniew L. The Dominant Influence of Plastic Deformation Induced Residual Stress on the Barkhausen Effect Signal in Martensitic Steels. In *JOURNAL OF NONDESTRUCTIVE EVALUATION*. ISSN 0195-9298, 2017, vol. 36, no. 1, 10., Registrované v: WOS
8. [1.1] SZEWCZYK, Roman. Generalization of the Model of Magnetoelastic Effect: 3D Mechanical Stress Dependence of Magnetic Permeability Tensor in Soft Magnetic Materials. In *MATERIALS*, 2020, vol. 13, no. 18, 4070., Registrované v: WOS

ADCA453 HSU, Chen-Hsuan - STANO, Peter - KLINOVAJA, Jelena - LOSS, Daniel.
Effects of nuclear spins on the transport properties of the edge of two-dimensional topological insulators. In *Physical Review B*, 2018, vol. 97, no. 12, art. no. 125432. (2017: 3.813 - IF, Q2 - JCR, 1.176 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.97.125432>

Ohlasy:

1. [1.1] BAGROV, Andrey A. - GUINEA, Francisco - KATSNELSON, Mikhail. Suppressing backscattering of helical edge modes with a spin bath. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2019, vol. 100, no. 19, 195426., Registrované v: WOS
2. [1.1] BALRAM, Ajit C. - FLENSBERG, Karsten - PAASKE, Jens - RUDNER, Mark S. Current-Induced Gap Opening in Interacting Topological Insulator Surfaces. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2019, vol. 123, no. 24, 246803., Registrované v: WOS
3. [1.1] HOSSEINI, Mir Vahid - KARIMI, Zahra - DAVOODI, Jamal. Indirect exchange interaction between magnetic impurities in one-dimensional gapped helical states. In *JOURNAL OF PHYSICS-CONDENSED MATTER*. ISSN 0953-8984, 2020, vol. 33, no. 8, 085801., Registrované v: WOS
4. [1.1] KURILOVICH, Pavel D. - KURILOVICH, Vladislav D. - BURMISTROV, Igor S. - GEFEN, Yuval - GOLDSTEIN, Moshe. Unrestricted Electron Bunching at the Helical Edge. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2019, vol. 123, no. 5, 056803., Registrované v: WOS
5. [1.1] KURILOVICH, Vladislav D. - KURILOVICH, Pavel D. - BURMISTROV, Igor S. - GOLDSTEIN, Moshe. Helical edge transport in the presence of a magnetic impurity: The role of local anisotropy. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2019, vol. 99, no. 8, 085407., Registrované v: WOS
6. [1.1] NOVELLI, Pietro - TADDEI, Fabio - GEIM, Andre K. - POLINI, Marco. Failure of Conductance Quantization in Two-Dimensional Topological Insulators due to Nonmagnetic Impurities. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2019, vol. 122, no. 1, 016601., Registrované v: WOS
7. [1.1] PASHINSKY, B. - GOLDSTEIN, M. - BURMISTROV, I. S. Finite frequency backscattering current noise at a helical edge. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2020, vol. 102, no. 12, 125309., Registrované v: WOS
8. [1.1] PIATRUSHA, S. U. - GINZBURG, L. V. - TIKHONOV, E. S. - SHOVKUN, D. V. - KOBLMUELLER, G. - BUBIS, A. V. - GREBENKO, A. K. - NASIBULIN, A. G. - KHRAPAI, V. S. Noise Insights into Electronic Transport. In *JETP LETTERS*. ISSN 0021-3640, 2018, vol. 108, no. 1, pp. 71-83., Registrované v: WOS
9. [1.1] SAZGARI, Vahid - SULLIVAN, Gerard - KAYA, Ismet I. Localization of trivial edge states in InAs/GaSb composite quantum wells. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2019, vol. 100, no. 4, 041404., Registrované v: WOS
10. [1.1] STRUNZ, Jonas - WIEDENMANN, Jonas - FLECKENSTEIN, Christoph - LUNCZER, Lukas - BEUGELING, Wouter - MUELLER, Valentin L. - SHEKHAR, Pragya - ZIANI, Niccolo Traverso - SHAMIM, Saquib - KLEINLEIN, Johannes - BUHMANN, Hartmut - TRAUZETTEL, Bjoern -

MOLENKAMP, Laurens W. Interacting topological edge channels. In NATURE PHYSICS. ISSN 1745-2473, 2020, vol. 16, no. 1, pp. 83-+, Registrované v: WOS

11. [1.1] VANNUCCI, Luca - OLSEN, Thomas - THYGESEN, Kristian S. Conductance of quantum spin Hall edge states from first principles: The critical role of magnetic impurities and inter-edge scattering. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 101, no. 15, 155404., Registrované v: WOS

12. [1.1] VERMA, Sonu - GIRI, Debasmita - FERTIG, H. A. - KUNDU, Arijit. RKKY coupling in Weyl semimetal thin films. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 101, no. 8, 085419., Registrované v: WOS

13. [1.1] VERMA, Sonu - KUNDU, Arijit. Nonlocal control of spin-spin correlations in a finite-geometry helical edge. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 99, no. 12, 121409., Registrované v: WOS

14. [1.1] VINKLER-AVIV, Yuval - MAY, Daniel - ANDERS, Frithjof B. Analytical and numerical study of the out-of-equilibrium current through a helical edge coupled to a magnetic impurity. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 101, no. 16, 165112., Registrované v: WOS

15. [1.1] XU, Yong - CHEN, Yan-Ru - WANG, Jun - LIU, Jun-Feng - MA, Zhongshui. Quantized Field-Effect Tunneling between Topological Edge or Interface States. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 123, no. 20, 206801., Registrované v: WOS

16. [1.1] YEVTUSHENKO, Oleg M. - TSVELIK, A. M. Chiral lattice supersolid on edges of quantum spin Hall samples. In PHYSICAL REVIEW B. ISSN 2469-9950, 2018, vol. 98, no. 8, 081118., Registrované v: WOS

17. [1.1] ZHANG, Shu-Hui - SHAO, Ding-Fu - YANG, Wen. Velocity-determined anisotropic behaviors of RKKY interaction in 8-Pmmn borophene. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2019, vol. 491, UNSP 165631., Registrované v: WOS

ADCA454 HSU, Chen-Hsuan - STAÑO, Peter - KLINOVAJA, Jelena - LOSS, Daniel. Majorana Kramers pairs in higher-order topological insulators. In *Physical Review Letters*, 2018, vol. 121, no. 19, art. no. 196801. (2017: 8.839 - IF, Q1 - JCR, 3.622 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.121.196801>

Ohlasy:

1. [1.1] AGARWALA, Adhip - JURICIC, Vladimir - ROY, Bitan. Higher-order topological insulators in amorphous solids. In PHYSICAL REVIEW RESEARCH, 2020, vol. 2, no. 1, 012067., Registrované v: WOS

2. [1.1] AHN, Junyeong - YANG, Bohm-Jung. Higher-order topological superconductivity of spin-polarized fermions. In PHYSICAL REVIEW RESEARCH, 2020, vol. 2, no. 1, 012060., Registrované v: WOS

3. [1.1] AKSOY, Oemer M. - TOLSMA, John R. Majorana zero modes in a quantum wire platform without Rashba spin-orbit coupling. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 101, no. 19, 195127., Registrované v: WOS

4. [1.1] BOMANTARA, Raditya Weda. Time-induced second-order topological superconductors. In PHYSICAL REVIEW RESEARCH, 2020, vol. 2, no. 3, 033495., Registrované v: WOS

5. [1.1] BOMANTARA, Raditya Weda - GONG, Jiangbin.
Measurement-only quantum computation with Floquet Majorana corner modes. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 101, no. 8, 085401.,
Registrované v: WOS
6. [1.1] CALUGARU, Dumitru - JURICIC, Vladimir - ROY, Bitan.
Higher-order topological phases: A general principle of construction. In
PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 99, no. 4, 041301.,
Registrované v: WOS
7. [1.1] DINHDUY VU - ZHANG, Rui-Xing - DAS SARMA, S.
Time-reversal-invariant C-2-symmetric higher-order topological
superconductors. In PHYSICAL REVIEW RESEARCH, 2020, vol. 2, no. 4,
043223., Registrované v: WOS
8. [1.1] FACIO, Jorge - DAS, Sanjib Kumar - ZHANG, Yang -
KOEPEKNIK, Klaus - VAN DEN BRINK, Jeroen - FULGA, Ion Cosma. Dual
topology in jacutingaite Pt₂HgSe₃. In PHYSICAL REVIEW MATERIALS.
ISSN 2475-9953, 2019, vol. 3, no. 7, 074202., Registrované v: WOS
9. [1.1] FANG, Yuan - CANO, Jennifer. Higher-order topological
insulators in antiperovskites. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020,
vol. 101, no. 24, 245110., Registrované v: WOS
10. [1.1] FRANCA, S. - EFREMOV, D. - FULGA, I. C. Phase-tunable
second-order topological superconductor. In PHYSICAL REVIEW B. ISSN
2469-9950, 2019, vol. 100, no. 7, 075415., Registrované v: WOS
11. [1.1] FRANCA, S. - VAN DEN BRINK, J. - FULGA, I. C. An
anomalous higher-order topological insulator. In PHYSICAL REVIEW B. ISSN
2469-9950, 2018, vol. 98, no. 20, 201114., Registrované v: WOS
12. [1.1] GHORASHI, Sayed Ali Akbar - HU, Xiang - HUGHES, Taylor
L. - ROSSI, Enrico. Second-order Dirac superconductors and magnetic field
induced Majorana hinge modes. In PHYSICAL REVIEW B. ISSN 2469-9950,
2019, vol. 100, no. 2, 020509., Registrované v: WOS
13. [1.1] GHORASHI, Sayed Ali Akbar - LI, Tianhe - HUGHES, Taylor
L. Higher-Order Weyl Semimetals. In PHYSICAL REVIEW LETTERS. ISSN
0031-9007, 2020, vol. 125, no. 26, 266804., Registrované v: WOS
14. [1.1] GHORASHI, Sayed Ali Akbar - HUGHES, Taylor L. - ROSSI,
Enrico. Vortex and Surface Phase Transitions in Superconducting Higher-order
Topological Insulators. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007,
2020, vol. 125, no. 3, 037001., Registrované v: WOS
15. [1.1] HAIM, Arbel - OREG, Yuval. Time-reversal-invariant
topological superconductivity in one and two dimensions. In PHYSICS
REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573,
2019, vol. 825, pp. 1-48., Registrované v: WOS
16. [1.1] HAIM, Arbel. Spontaneous Josephson pi junctions with
topological superconductors. In PHYSICAL REVIEW B. ISSN 2469-9950,
2019, vol. 100, no. 6, 064505., Registrované v: WOS
17. [1.1] HUA, Chun-Bo - CHEN, Rui - ZHOU, Bin - XU, Dong-Hui.
Higher-order topological insulator in a dodecagonal quasicrystal. In PHYSICAL
REVIEW B. ISSN 2469-9950, 2020, vol. 102, no. 24, 241102., Registrované v:
WOS
18. [1.1] CHOI, Sang-Jun - CALZONA, Alessio - TRAUZETTEL,
Bjoern. Majorana-induced DC Shapiro steps in topological Josephson junctions.
In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 102, no. 14, 140501.,

Registrované v: WOS

19. [1.1] JACK, Berthold - XIE, Yonglong - LI, Jian - JEON, Sangjun - BERNEVIG, B. Andrei - YAZDANI, Ali. Observation of a Majorana zero mode in a topologically protected edge channel. In SCIENCE. ISSN 0036-8075, 2019, vol. 364, no. 6447, pp. 1255-+, Registrované v: WOS

20. [1.1] KHEIRKHAH, Majid - NAGAI, Yuki - CHEN, Chun - MARSIGLIO, Frank. Majorana corner flat bands in two-dimensional second-order topological superconductors. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 101, no. 10, 104502., Registrované v: WOS

21. [1.1] KHEIRKHAH, Majid - YAN, Zhongbo - NAGAI, Yuki - MARSIGLIO, Frank. First- and Second-Order Topological Superconductivity and Temperature-Driven Topological Phase Transitions in the Extended Hubbard Model with Spin-Orbit Coupling. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2020, vol. 125, no. 1, 017001., Registrované v: WOS

22. [1.1] KOOL, Sander H. - VAN MIERT, Guido - ORTIX, Carmine. Classification of crystalline insulators without symmetry indicators: Atomic and fragile topological phases in twofold rotation symmetric systems. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 100, no. 11, 115160., Registrované v: WOS

23. [1.1] LIU, Bing - ZHAO, Gan - LIU, Zhao - WANG, Z. F. Two-Dimensional Quadrupole Topological Insulator in gamma-Graphyne. In NANO LETTERS. ISSN 1530-6984, 2019, vol. 19, no. 9, pp. 6492-6497., Registrované v: WOS

24. [1.1] LIU, Chieh-Wen - WANG, Zhenhua - QIU, Richard L. J. - GAO, Xuan P. A. Development of topological insulator and topological crystalline insulator nanostructures. In NANOTECHNOLOGY. ISSN 0957-4484, 2020, vol. 31, no. 19, 192001., Registrované v: WOS

25. [1.1] LIU, Jia - LI, Ke-Man - CHI, Feng - FU, Zhen-Guo - HOU, Yue-Fei - WANG, Zhigang - ZHANG, Ping. Probing the Majorana bound states in a hybrid nanowire double-quantum-dot system by scanning tunneling microscopy*. In CHINESE PHYSICS B. ISSN 1674-1056, 2020, vol. 29, no. 7, 077302., Registrované v: WOS

26. [1.1] LIU, Tao - HE, James Jun - NORI, Franco. Majorana corner states in a two-dimensional magnetic topological insulator on a high-temperature superconductor. In PHYSICAL REVIEW B. ISSN 2469-9950, 2018, vol. 98, no. 24, 245413., Registrované v: WOS

27. [1.1] LI, Cai-Zhen - WANG, An-Qi - LI, Chuan - ZHENG, Wen-Zhuang - BRINKMAN, Alexander - YU, Da-Peng - LIAO, Zhi-Min. Reducing Electronic Transport Dimension to Topological Hinge States by Increasing Geometry Size of Dirac Semimetal Josephson Junctions. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2020, vol. 124, no. 15, 156601., Registrované v: WOS

28. [1.1] LI, Heqiu - SUN, Kai. Pfaffian Formalism for Higher-Order Topological Insulators. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2020, vol. 124, no. 3, 036401., Registrované v: WOS

29. [1.1] LI, Chang-An - WU, Shu-Shan. Topological states in generalized electric quadrupole insulators. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 101, no. 19, 195309., Registrované v: WOS

30. [1.1] LUO, Xi-Wang - ZHANG, Chuanwei. Higher-Order Topological Corner States Induced by Gain and Loss. In PHYSICAL REVIEW

LETTERS. ISSN 0031-9007, 2019, vol. 123, no. 7, 073601., Registrované v: WOS

31. [1.1] OKUGAWA, Ryo - HAYASHI, Shin - NAKANISHI, Takeshi. Second-order topological phases protected by chiral symmetry. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 100, no. 23, 235302., Registrované v: WOS

32. [1.1] PAHOMI, Tudor E. - SIGRIST, Manfred - SOLUYANOV, Alexey A. Braiding Majorana corner modes in a second-order topological superconductor. In PHYSICAL REVIEW RESEARCH, 2020, vol. 2, no. 3, 032068., Registrované v: WOS

33. [1.1] PAN, Jiaxin - ZHOU, Longwen. Non-Hermitian Floquet second order topological insulators in periodically quenched lattices. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 102, no. 9, 094305., Registrované v: WOS

34. [1.1] PAN, Xiao-Hong - YANG, Kai-Jie - CHEN, Li - XU, Gang - LIU, Chao-Xing - LIU, Xin. Lattice-Symmetry-Assisted Second-Order Topological Superconductors and Majorana Patterns. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 123, no. 15, 156801., Registrované v: WOS

35. [1.1] QUEIROZ, Raquel - STERN, Ady. Splitting the Hinge Mode of Higher-Order Topological Insulators. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 123, no. 3, 036802., Registrované v: WOS

36. [1.1] ROY, Bitan. Higher-order topological superconductors in P-, T-odd quadrupolar Dirac materials. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 101, no. 22, 220506., Registrované v: WOS

37. [1.1] SESHADRI, Ranjani - DUTTA, Anirban - SEN, Diptiman. Generating a second-order topological insulator with multiple corner states by periodic driving. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 100, no. 11, 115403., Registrované v: WOS

38. [1.1] SCHINDLER, Frank - BRADLYN, Barry - FISCHER, Mark H. - NEUPERT, Titus. Pairing Obstructions in Topological Superconductors. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2020, vol. 124, no. 24, 247001., Registrované v: WOS

39. [1.1] SZABO, Andras L. - MOESSNER, Roderich - ROY, Bitan. Strain-engineered higher-order topological phases for spin-3/2 Luttinger fermions. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 101, no. 12, 121301., Registrované v: WOS

40. [1.1] SZABO, Andras L. - ROY, Bitan. Dirty higher-order Dirac semimetal: Quantum criticality and bulk-boundary correspondence. In PHYSICAL REVIEW RESEARCH, 2020, vol. 2, no. 4, 043197., Registrované v: WOS

41. [1.1] TANAKA, Yutaro - TAKAHASHI, Ryo - ZHANG, Tiantian - MURAKAMI, Shuichi. Theory of inversion-Z(4) protected topological chiral hinge states and its applications to layered antiferromagnets. In PHYSICAL REVIEW RESEARCH, 2020, vol. 2, no. 4, 043274., Registrované v: WOS

42. [1.1] TANAKA, Yutaro - TAKAHASHI, Ryo - MURAKAMI, Shuichi. Appearance of hinge states in second-order topological insulators via the cutting procedure. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 101, no. 11, 115120., Registrované v: WOS

43. [1.1] WANG, Huan-Yu - ZNUAN, Lin - GAO, Xian-Long - ZHAO,

- Xing-Dong - LIU, Wu-Ming. Robust Majorana edge modes with low frequency multiple time periodic driving. In JOURNAL OF PHYSICS-CONDENSED MATTER. ISSN 0953-8984, 2020, vol. 32, no. 35, 355404., Registrované v: WOS
44. [1.1] WU, Xianxin - BENALCAZAR, Wladimir A. - LI, Yinxiang - THOMALE, Ronny - LIU, Chao-Xing - HU, Jiangping. Boundary-Obstructed Topological High-T-c Superconductivity in Iron Pnictides. In PHYSICAL REVIEW X. ISSN 2160-3308, 2020, vol. 10, no. 4, 041014., Registrované v: WOS
45. [1.1] WU, Ya-Jie - GAO, Tan-Biao - LI, Ning - ZHOU, Jiang - KOU, Su-Peng. Majorana corner modes in an s-wave second order topological superfluid. In JOURNAL OF PHYSICS-CONDENSED MATTER. ISSN 0953-8984, 2020, vol. 32, no. 14, 145601., Registrované v: WOS
46. [1.1] WU, Ya-Jie - HOU, Junpeng - LI, Yun-Mei - LUO, Xi-Wang - SHI, Xiaoyan - ZHANG, Chuanwei. In-Plane Zeeman-Field-Induced Majorana Corner and Hinge Modes in an s-Wave Superconductor Heterostructure. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2020, vol. 124, no. 22, 227001., Registrované v: WOS
47. [1.1] WU, Zhigang - YAN, Zhongbo - HUANG, Wen. Higher-order topological superconductivity: Possible realization in Fermi gases and Sr₂RuO₄. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 99, no. 2, 020508., Registrované v: WOS
48. [1.1] YAN ZHONG-BO. Higher-order topological insulators and superconductors. In ACTA PHYSICA SINICA. ISSN 1000-3290, 2019, vol. 68, no. 22, 226101., Registrované v: WOS
49. [1.1] YAN, Zhongbo. Higher-Order Topological Odd-Parity Superconductors. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 123, no. 17, 177001., Registrované v: WOS
50. [1.1] YAN, Zhongbo. Majorana corner and hinge modes in second-order topological insulator/superconductor heterostructures. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 100, no. 20, 205406., Registrované v: WOS
51. [1.1] YOSHIDA, Akira - OTAKI, Yuria - OTAKI, Rimako - FUKUI, Takahiro. Edge states, corner states, and flat bands in a two-dimensional PT-symmetric system. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 100, no. 12, 125125., Registrované v: WOS
52. [1.1] ZENG, Chuanchang - STANESCU, T. D. - ZHANG, Chuanwei - SCAROLA, V. W. - TEWARI, Sumanta. Majorana Corner Modes with Solitons in an Attractive Hubbard-Hofstadter Model of Cold Atom Optical Lattices. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 123, no. 6, 060402., Registrované v: WOS
53. [1.1] ZHANG, Rui-Xing - COLE, William S. - WU, Xianxin - DAS SARMA, S. Higher-Order Topology and Nodal Topological Superconductivity in Fe(Se,Te) Heterostructures. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 123, no. 16, 167001., Registrované v: WOS
54. [1.1] ZHANG, Song-Bo - CALZONA, Alessio - TRAUZETTEL, Bjoern. All-electrically tunable networks of Majorana bound states. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 102, no. 10, 100503., Registrované v: WOS
55. [1.1] ZHANG, Song-Bo - RUI, W. B. - CALZONA, Alessio - CHOI,

Sang-Jun - SCHNYDER, Andreas P. - TRAUZETTEL, Bjorn. Topological and holonomic quantum computation based on second-order topological superconductors. In PHYSICAL REVIEW RESEARCH, 2020, vol. 2, no. 4, 043025., Registrované v: WOS

56. [1.1] ZHANG, Song-Bo - TRAUZETTEL, Bjoern. Detection of second-order topological superconductors by Josephson junctions. In PHYSICAL REVIEW RESEARCH, 2020, vol. 2, no. 1, 012018., Registrované v: WOS

ADCA455 HSU, Ch.- H. - STAÑO, Peter - KLINOVAJA, R. - LOSS, D.

Nuclear-spin-induced localization of edge states in two-dimensional topological insulators. In *Physical Review B*, 2017, vol. 96, no. 8, art. no. 081405-R. (2016: 3.836 - IF, Q2 - JCR, 2.339 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.96.081405>

Ohlasy:

1. [1.1] BAGROV, Andrey A. - GUINEA, Francisco - KATSNELSON, Mikhail. Suppressing backscattering of helical edge modes with a spin bath. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 100, no. 19, 195426., Registrované v: WOS
2. [1.1] BALRAM, Ajit C. - FLENSBERG, Karsten - PAASKE, Jens - RUDNER, Mark S. Current-Induced Gap Opening in Interacting Topological Insulator Surfaces. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 123, no. 24, 246803., Registrované v: WOS
3. [1.1] BOZKURT, A. Mert - PEKERTEN, Baris - ADAGIDELI, Inanc. Work extraction and Landauer's principle in a quantum spin Hall device. In PHYSICAL REVIEW B. ISSN 2469-9950, 2018, vol. 97, no. 24, 245414., Registrované v: WOS
4. [1.1] FERREIRA, Gerson J. - MACIE, Renan P. - PENTEADO, Poliana H. - CARLOS EGUES, J. Zitterbewegung and bulk-edge Landau-Zener tunneling in topological insulators. In PHYSICAL REVIEW B. ISSN 2469-9950, 2018, vol. 98, no. 16, 165120., Registrované v: WOS
5. [1.1] GNEITING, Clemens. Disorder-dressed quantum evolution. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 101, no. 21, 214203., Registrované v: WOS
6. [1.1] GOURMELON, Alexandre - KAMATA, Hiroshi - BERROIR, Jean-Marc - FEVE, Gwendal - PLACAIS, Bernard - BOCQUILLON, Erwann. Characterization of helical Luttinger liquids in microwave stepped-impedance edge resonators. In PHYSICAL REVIEW RESEARCH, 2020, vol. 2, no. 4, 043383., Registrované v: WOS
7. [1.1] GUSEV, G. M. - KVON, Z. D. - OLSHANETSKY, E. B. - MIKHAILOV, N. N. Mesoscopic transport in two-dimensional topological insulators. In SOLID STATE COMMUNICATIONS. ISSN 0038-1098, 2019, vol. 302, 113701., Registrované v: WOS
8. [1.1] HOSSEINI, Mir Vahid - KARIMI, Zahra - DAVOODI, Jamal. Indirect exchange interaction between magnetic impurities in one-dimensional gapped helical states. In JOURNAL OF PHYSICS-CONDENSED MATTER. ISSN 0953-8984, 2020, vol. 33, no. 8, 085801., Registrované v: WOS
9. [1.1] HSIEH, Tzu-Chi - CHOU, Yang-Zhi - RADZIHOVSKY, Leo. Finite-temperature spectroscopy of dirty helical Luttinger liquids. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 102, no. 8, 085152., Registrované v:

WOS

10. [1.1] CHOU, Yang-Zhi - NANDKISHORE, Rahul M. - RADZIHOVSKY, Leo. Gapless insulating edges of dirty interacting topological insulators. In PHYSICAL REVIEW B. ISSN 2469-9950, 2018, vol. 98, no. 5, 054205., Registrované v: WOS
11. [1.1] KIMCHI, Itamar - CHOU, Yang-Zhi - NANDKISHORE, Rahul M. - RADZIHOVSKY, Leo. Anomalous localization at the boundary of an interacting topological insulator. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 101, no. 3, 035131., Registrované v: WOS
12. [1.1] KURILOVICH, Pavel D. - KURILOVICH, Vladislav D. - BURMISTROV, Igor S. - GEFEN, Yuval - GOLDSTEIN, Moshe. Unrestricted Electron Bunching at the Helical Edge. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 123, no. 5, 056803., Registrované v: WOS
13. [1.1] KURILOVICH, Vladislav D. - KURILOVICH, Pavel D. - BURMISTROV, Igor S. - GOLDSTEIN, Moshe. Helical edge transport in the presence of a magnetic impurity: The role of local anisotropy. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 99, no. 8, 085407., Registrované v: WOS
14. [1.1] MAGHIRANG, Aniceto B. - HUANG, Zhi-Quan - VILLAS, Rovi Angelo B. - HSU, Chia-Hsiu - FENG, Liang-Ying - FLORIDO, Emmanuel - LIN, Hsin - BANSIL, Arun - CHUANG, Feng-Chuan. Predicting two-dimensional topological phases in Janus materials by substitutional doping in transition metal dichalcogenide monolayers. In NPJ 2D MATERIALS AND APPLICATIONS, 2019, vol. 3, UNSP 35., Registrované v: WOS
15. [1.1] MANI, Arjun - BENJAMIN, Colin. Disordered contacts can localize helical edge electrons. In JOURNAL OF PHYSICS-CONDENSED MATTER. ISSN 0953-8984, 2019, vol. 31, no. 34, 34LT01., Registrované v: WOS
16. [1.1] NOVELLI, Pietro - TADDEI, Fabio - GEIM, Andre K. - POLINI, Marco. Failure of Conductance Quantization in Two-Dimensional Topological Insulators due to Nonmagnetic Impurities. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 122, no. 1, 016601., Registrované v: WOS
17. [1.1] PASHINSKY, B. - GOLDSTEIN, M. - BURMISTROV, I. S. Finite frequency backscattering current noise at a helical edge. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 102, no. 12, 125309., Registrované v: WOS
18. [1.1] PIATRUSHA, S. U. - GINZBURG, L. V. - TIKHONOV, E. S. - SHOVKUN, D. V. - KOBLMUELLER, G. - BUBIS, A. V. - GREBENKO, A. K. - NASIBULIN, A. G. - KHRAPAI, V. S. Noise Insights into Electronic Transport. In JETP LETTERS. ISSN 0021-3640, 2018, vol. 108, no. 1, pp. 71-83., Registrované v: WOS
19. [1.1] RUSSO, Antonio - BARNES, Edwin - ECONOMOU, Sophia E. Dynamic nuclear polarization from topological insulator helical edge states. In PHYSICAL REVIEW B. ISSN 2469-9950, 2018, vol. 98, no. 23, 235412., Registrované v: WOS
20. [1.1] SAZGARI, Vahid - SULLIVAN, Gerard - KAYA, Ismet I. Localization of trivial edge states in InAs/GaSb composite quantum wells. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 100, no. 4, 041404., Registrované v: WOS

21. [1.1] TSVELIK, A. M. - YEVTUSHENKO, O. M. Transport in magnetically doped one-dimensional wires: can the helical protection emerge without the global helicity? In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2020, vol. 22, no. 5, 053013., Registrované v: WOS
22. [1.1] VANNUCCI, Luca - OLSEN, Thomas - THYGESEN, Kristian S. Conductance of quantum spin Hall edge states from first principles: The critical role of magnetic impurities and inter-edge scattering. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 101, no. 15, 155404., Registrované v: WOS
23. [1.1] VAYRYNEN, Jukka - PIKULIN, Dmitry - ALICEA, Jason. Noise-Induced Backscattering in a Quantum Spin Hall Edge. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2018, vol. 121, no. 10, 106601., Registrované v: WOS
24. [1.1] VERMA, Sonu - GIRI, Debasmita - FERTIG, H. A. - KUNDU, Arijit. RKKY coupling in Weyl semimetal thin films. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 101, no. 8, 085419., Registrované v: WOS
25. [1.1] VERMA, Sonu - KUNDU, Arijit. Nonlocal control of spin-spin correlations in a finite-geometry helical edge. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 99, no. 12, 121409., Registrované v: WOS
26. [1.1] VEZVAEE, Arian - RUSSO, Antonio - ECONOMOU, Sophia E. - BARNES, Edwin. Topological insulator ring with magnetic impurities. In PHYSICAL REVIEW B. ISSN 2469-9950, 2018, vol. 98, no. 3, 035301., Registrované v: WOS
27. [1.1] VINKLER-AVIV, Yuval - MAY, Daniel - ANDERS, Frithjof B. Analytical and numerical study of the out-of-equilibrium current through a helical edge coupled to a magnetic impurity. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 101, no. 16, 165112., Registrované v: WOS
28. [1.1] WOZNY, Simon - VYBORNÝ, Karel - BELZIG, Wolfgang - ERLINGSSON, Sigurdur. Gap formation in helical edge states with magnetic impurities. In PHYSICAL REVIEW B. ISSN 2469-9950, 2018, vol. 98, no. 16, 165423., Registrované v: WOS
29. [1.1] XU, Yong - CHEN, Yan-Ru - WANG, Jun - LIU, Jun-Feng - MA, Zhongshui. Quantized Field-Effect Tunneling between Topological Edge or Interface States. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 123, no. 20, 206801., Registrované v: WOS
30. [1.1] YEVTUSHENKO, Oleg M. - TSVELIK, A. M. Chiral lattice supersolid on edges of quantum spin Hall samples. In PHYSICAL REVIEW B. ISSN 2469-9950, 2018, vol. 98, no. 8, 081118., Registrované v: WOS
31. [1.1] YEVTUSHENKO, Oleg M. - YUDSON, Vladimir I. Kondo Impurities Coupled to a Helical Luttinger Liquid: RKKY-Kondo Physics Revisited. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2018, vol. 120, no. 14, 147201., Registrované v: WOS
32. [1.1] ZHANG, Shu-Hui - SHAO, Ding-Fu - YANG, Wen. Velocity-determined anisotropic behaviors of RKKY interaction in 8-Pmmn borophene. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2019, vol. 491, UNSP 165631., Registrované v: WOS

ADCA456 HSU, Ch.-H. - STAŇO, Peter - KLINOVAJA, J. - LOSS, D.
 Antiferromagnetic nuclear spin helix and topological superconductivity in C-13 nanotubes. In *Physical Review B*, 2015, vol. 92, no. 23, 235435. (2014: 3.736 - IF,

Q1 - JCR, 0.123 - SJR, Q4 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.92.235435>

Ohlasy:

1. [1.1] IZUMIDA, W. - MILZ, L. - MARGANSKA, M. - GRIFONI, M. Topology and zero energy edge states in carbon nanotubes with superconducting pairing. In PHYSICAL REVIEW B. ISSN 2469-9950, 2017, vol. 96, no. 12, 125414., Registrované v: WOS
2. [1.1] KORNICH, Viktoriia - VAVILOV, Maxim G. - FRIESEN, Mark - ERIKSSON, M. A. - COPPERSMITH, S. N. Majorana bound states in nanowire-superconductor hybrid systems in periodic magnetic fields. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 101, no. 12, 125414., Registrované v: WOS
3. [1.1] MILZ, Lars - IZUMIDA, Wataru - GRIFONI, Milena - MARGANSKA, Magdalena. Transverse profile and three-dimensional spin canting of a Majorana state in carbon nanotubes. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 100, no. 15, 155417., Registrované v: WOS
4. [1.1] OKUYAMA, Rin - IZUMIDA, Wataru - ETO, Mikio. Topological classification of the single-wall carbon nanotube. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 99, no. 11, 115409., Registrované v: WOS
5. [1.1] TSVELIK, A. M. - YEVTUSHENKO, O. M. Transport in magnetically doped one-dimensional wires: can the helical protection emerge without the global helicity? In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2020, vol. 22, no. 5, 053013., Registrované v: WOS
6. [1.1] ZARE, Moslem - PARHIZGAR, Fariborz - ASGARI, Reza. Strongly anisotropic RKKY interaction in monolayer black phosphorus. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2018, vol. 456, pp. 307-315., Registrované v: WOS
7. [1.1] ZARE, Moslem - SADEGHI, Ebrahim. Exchange interaction of magnetic impurities in a biased bilayer phosphorene nanoribbon. In PHYSICAL REVIEW B. ISSN 2469-9950, 2018, vol. 98, no. 20, 205401., Registrované v: WOS
8. [1.1] ZARE, Moslem. Strain-induced modulation of exchange interaction in monolayer zigzag nanoribbons of B2S. In MATERIALS RESEARCH EXPRESS, 2019, vol. 6, no. 10, 105097., Registrované v: WOS
9. [1.1] ZARE, Moslem. Tuning the electronic structure and magnetic coupling in armchair B2S nanoribbons using strain and staggered sublattice potential. In COMPUTATIONAL CONDENSED MATTER. ISSN 2352-2143, 2019, vol. 21, e00424., Registrované v: WOS
10. [1.1] ZHANG, Shu-Hui - SHAO, Ding-Fu - YANG, Wen. Velocity-determined anisotropic behaviors of RKKY interaction in 8-Pmmn borophene. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2019, vol. 491, UNSP 165631., Registrované v: WOS

ADCA457 HSU, Pin-Jui** - RÓZSA, Levente** - FINCO, Aurore - SCHMIDT, Lorenz - PALOTÁS, Krisztián - VEDMEDENK, Elena - UDVARDI, László - SZUNYOGH, László - KUBETZKA, André - VON BERGMANN, Kirsten - WIESENDANGER, Roland. Inducing skyrmions in ultrathin Fe films by hydrogen exposure. In *Nature Communications*, 2018, vol. 9, 1571. (2017: 12.353 - IF, Q1 - JCR, 6.582 - SJR, Q1

- SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 2041-1723. Dostupné na: <https://doi.org/10.1038/s41467-018-04015-z>

Ohlasy:

1. [1.1] CASTELL-QUERALT, Josep - GONZALEZ-GOMEZ, Leonardo - DEL-VALLE, Nuria - SANCHEZ, Alvaro - NAVAU, Carles. Accelerating, guiding, and compressing skyrmions by defect rails. In NANOSCALE. ISSN 2040-3364, 2019, vol. 11, no. 26, pp. 12589-12594., Registrované v: WOS
2. [1.1] DENISOV, K. S. - ROZHANSKY, I. - AVERKIEV, N. S. - LANDERANTA, E. General theory of the topological Hall effect in systems with chiral spin textures. In PHYSICAL REVIEW B. ISSN 2469-9950, 2018, vol. 98, no. 19, 195439., Registrované v: WOS
3. [1.1] DUPE, Melanie - HEINZE, Stefan - SINOVA, Jairo - DUPE, Bertrand. Stability and magnetic properties of Fe double layers on Ir (111). In PHYSICAL REVIEW B. ISSN 2469-9950, 2018, vol. 98, no. 22, 224415., Registrované v: WOS
4. [1.1] DU, Jiaojiao - LI, Guojian - LIU, Shiyong - LIU, Tie - WU, Chun - WANG, Qiang. Enhancement of magnetic properties by adjusted structure in Fe nanocrystalline films via annealing and applying high magnetic field at different film-formation stages. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2020, vol. 495, 165857., Registrované v: WOS
5. [1.1] CHEN, Gong - MASCARAQUE, Arantzazu - JIA, Hongying - ZIMMERMANN, Bernd - ROBERTSON, MacCallum - LO CONTE, Roberto - HOFFMANN, Markus - GONZALEZ BARRIO, Miguel Angel - DING, Haifeng - WIESENDANGER, Roland - MICHEL, Enrique G. - BLUEGEL, Stefan - SCHMID, Andreas K. - LIU, Kai. Large Dzyaloshinskii-Moriya interaction induced by chemisorbed oxygen on a ferromagnet surface. In SCIENCE ADVANCES. ISSN 2375-2548, 2020, vol. 6, no. 33, eaba4924., Registrované v: WOS
6. [1.1] KLYUKIN, Konstantin - BEACH, Geoffrey - YILDIZ, Bilge. Hydrogen tunes magnetic anisotropy by affecting local hybridization at the interface of a ferromagnet with nonmagnetic metals. In PHYSICAL REVIEW MATERIALS. ISSN 2475-9953, 2020, vol. 4, no. 10, 104416., Registrované v: WOS
7. [1.1] OROSZLANY, Laszlo - FERRER, Jaime - DEAK, Andras - UDVARDI, Laszlo - SZUNYOGH, Laszlo. Exchange interactions from a nonorthogonal basis set: From bulk ferromagnets to the magnetism in low-dimensional graphene systems. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 99, no. 22, 224412., Registrované v: WOS
8. [1.1] ROESNER, Benedikt - FINIZIO, Simone - KOCH, Frieder - DORING, Florian - GUZENKO, Vitaliy A. - LANGER, Manuel - KIRK, Eugenie - WATTS, Benjamin - MEYER, Markus - ORNELAS, Joshua Lorona - SPAETH, Andreas - STANESCU, Stefan - SWARAJ, Sufal - BELKHOU, Rachid - ISHIKAWA, Takashi - KELLER, Thomas F. - GROSS, Boris - POGGIO, Martino - FINK, Rainer H. - RAABE, Joerg - KLEIBERT, Armin - DAVID, Christian. Soft x-ray microscopy with 7 nm resolution. In OPTICA. ISSN 2334-2536, 2020, vol. 7, no. 11, pp. 1602-1608., Registrované v: WOS
9. [1.1] ROZHANSKY, I. V. - DENISOV, K. S. - LIFSHITS, M. B. - AVERKIEV, N. S. - LAHDERANTA, E. Topological and Chiral Spin Hall

Effects. In *PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS*. ISSN 0370-1972, 2019, vol. 256, no. 6, 1900033., Registrované v: WOS

10. [1.1] VARENTCOVA, Anastasiia S. - VON MALOTTKI, Stephan - POTKINA, Maria N. - KWIATKOWSKI, Grzegorz - HEINZE, Stefan - BESSARAB, Pavel F. Toward room-temperature nanoscale skyrmions in ultrathin films. In *NPJ COMPUTATIONAL MATERIALS*, 2020, vol. 6, no. 1, 193., Registrované v: WOS

11. [1.1] YUNG, L. A. - DENISOV, K. S. - ROZHANSKY, I. V. - AVERKIEV, N. S. - LAHDERANTA, E. Chiral spin structure of electron gas in systems with magnetic skyrmions. In *JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS*. ISSN 0304-8853, 2020, vol. 506, 166755., Registrované v: WOS

ADCA458 HUANG, Fei* - LI, Mengjie* - ŠIFFALOVIČ, Peter - CAO, Guozhong - TIAN, Jianjun**. From scalable solution fabrication of perovskite films towards commercialization of solar cells. In *Energy and Environmental Science*, 2019, vol. 12, no. 2, p. 518-549. (2018: 33.250 - IF, Q1 - JCR, 13.103 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 1754-5692. Dostupné na: <https://doi.org/10.1039/c8ee03025a>

Ohlasy:

1. [1.1] ABDELSAMIE, Maged - XU, Junwei - BRUENING, Karsten - TASSONE, Christopher J. - STEINRUECK, Hans-Georg - TONEY, Michael F. Impact of Processing on Structural and Compositional Evolution in Mixed Metal Halide Perovskites during Film Formation. In *ADVANCED FUNCTIONAL MATERIALS*. ISSN 1616-301X, 2020, vol. 30, no. 38, 2001752., Registrované v: WOS
2. [1.1] AGRETI, Antonio - PESCELELLI, Sara - PALMA, Alessandro Lorenzo - MARTIN-GARCIA, Beatriz - NAJAFI, Leyla - BELLANI, Sebastiano - MOREELS, Iwan - PRATO, Mirko - BONACCORSO, Francesco - DI CARLO, Aldo. Two-Dimensional Material Interface Engineering for Efficient Perovskite Large-Area Modules. In *ACS ENERGY LETTERS*. ISSN 2380-8195, 2019, vol. 4, no. 8, pp. 1862-1871., Registrované v: WOS
3. [1.1] ANNOHENE, Gilbert - TEPPER, Gary C. Low temperature formation of CH₃NH₃PbI₃ perovskite films in supercritical carbon dioxide. In *JOURNAL OF SUPERCRITICAL FLUIDS*. ISSN 0896-8446, 2019, vol. 154, UNSP 104604., Registrované v: WOS
4. [1.1] BABU, Vivek - PINEDA, Rosinda Fuentes - AHMAD, Taimoor - ALVAREZ, Agustin O. - CASTRIOTTA, Luigi Angelo - DI CARLO, Aldo - FABREGAT-SANTIAGO, Francisco - WOJCIECHOWSKI, Konrad. Improved Stability of Inverted and Flexible Perovskite Solar Cells with Carbon Electrode. In *ACS APPLIED ENERGY MATERIALS*. ISSN 2574-0962, 2020, vol. 3, no. 6, pp. 5126-5134., Registrované v: WOS
5. [1.1] BAHRAMI, Behzad - MABROUK, Sally - ADHIKARI, Nirmal - ELBOHY, Hytham - GURUNG, Ashim - REZA, Khan M. - PATHAK, Rajesh - CHOWDHURY, Ashraful H. - SAIANAND, Gopalan - YUE, Wenjin - ZAI, Jiantao - QIAN, Xuefeng - LIANG, Mao - QIAO, Qiquan. Nanoscale control of grain boundary potential barrier, dopant density and filled trap state density for higher efficiency perovskite solar cells. In *INFOMAT*, 2020, vol. 2, no. 2, pp. 409-423., Registrované v: WOS
6. [1.1] BARTHOLOZZI, Gabriel - PEREIRA, Robson Pacheco -

- LIMA, Andreza Menezes - PINHEIRO, Wagner Anacleto - CRUZ, Leila Rosa. Influence of substrate temperature on the chemical, microstructural and optical properties of spray deposited CH₃NH₃PbI₃ perovskite thin films. In JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY-JMR&T. ISSN 2238-7854, 2020, vol. 9, no. 3, pp. 3411-3417., Registrované v: WOS
7. [1.1] CUO, Yunkang - CHEN, Cong - LI, Chongwen - CHEN, Lei - BISTA, Sandip Singh - LIU, Xiangyang - LI, You - AWNI, Rasha A. - SONG, Zhaoning - YAN, Yanfa. Correlating Hysteresis and Stability with Organic Cation Composition in the Two-Step Solution-Processed Perovskite Solar Cells. In ACS APPLIED MATERIALS & INTERFACES. ISSN 1944-8244, 2020, vol. 12, no. 9, pp. 10588-10596., Registrované v: WOS
8. [1.1] DOKKHAN, Chotiros - MOKHTAR, Muhamad Z. - KE, Chun-Ren - WALTON, Alex S. - CHEN, Qian - HODSON, Nigel W. - LIAN, Qing - SAUNDERS, Brian R. Modulating Crystallization in Semitransparent Perovskite Films Using Submicrometer Spongelike Polymer Colloid Particles to Improve Solar Cell Performance. In ACS APPLIED ENERGY MATERIALS. ISSN 2574-0962, 2019, vol. 2, no. 9, pp. 6624-6633., Registrované v: WOS
9. [1.1] DONG, Qi - MENDES, Juliana - LEI, Lei - SEYITLIYEV, Dovletgeldi - ZHU, Liping - HE, Siliang - GUNDOGDU, Kenan - SO, Franky. Understanding the Role of Ion Migration in the Operation of Perovskite Light-Emitting Diodes by Transient Measurements. In ACS APPLIED MATERIALS & INTERFACES. ISSN 1944-8244, 2020, vol. 12, no. 43, pp. 48845-48853., Registrované v: WOS
10. [1.1] DUAN, Jialong - WANG, Yudi - YANG, Xiya - TANG, Qunwei. Alkyl-Chain-Regulated Charge Transfer in Fluorescent Inorganic CsPbBr₃ Perovskite Solar Cells. In ANGEWANDTE CHEMIE-INTERNATIONAL EDITION. ISSN 1433-7851, 2020, vol. 59, no. 11, pp. 4391-4395., Registrované v: WOS
11. [1.1] DU, Minyong - ZHU, Xuejie - WANG, Likun - WANG, Hui - FENG, Jiangshang - JIANG, Xiao - CAO, Yuexian - SUN, Youming - DUAN, Lianjie - JIAO, Yuxiao - WANG, Kai - REN, Xiaodong - YAN, Zhe - PANG, Shuping - LIU, Shengzhong (Frank). High-Pressure Nitrogen-Extraction and Effective Passivation to Attain Highest Large-Area Perovskite Solar Module Efficiency. In ADVANCED MATERIALS. ISSN 0935-9648, 2020, vol. 32, no. 47, 2004979., Registrované v: WOS
12. [1.1] FAHEEM, M. Bilal - KHAN, Bilawal - FENG, Chao - FAROOQ, M. Umar - RAZIQ, Fazal - XIAO, Yequan - LI, Yanbo. All-Inorganic Perovskite Solar Cells: Energetics, Key Challenges, and Strategies toward Commercialization. In ACS ENERGY LETTERS. ISSN 2380-8195, 2020, vol. 5, no. 1, pp. 290-320., Registrované v: WOS
13. [1.1] GAO, Liguang - YAN, Yeling - LI, Yang - MA, Tingli. Comparison of Physical Isolation on Large Active Area Perovskite Solar Cells. In CHEMICAL RESEARCH IN CHINESE UNIVERSITIES. ISSN 1005-9040, 2020, vol. 36, no. 6, pp. 1279-1283., Registrované v: WOS
14. [1.1] HAN, Gill Sang - KIM, Jio - BAE, Seunghwan - HAN, Sehoon - KIM, Yong Joo - GONG, Oh Yeong - LEE, Phillip - KO, Min Jae - JUNG, Hyun Suk. Spin-Coating Process for 10 cm x 10 cm Perovskite Solar Modules Enabled by Self-Assembly of SnO₂ Nanocolloids. In ACS ENERGY LETTERS. ISSN 2380-8195, 2019, vol. 4, no. 8, pp. 1845-1851., Registrované v: WOS
15. [1.1] HAQUE, Sirazul - ALEXANDRE, Miguel - MENDES, Manuel

- J. - AGUAS, Hugo - FORTUNATO, Elvira - MARTINS, Rodrigo. Design of wave-optical structured substrates for ultra-thin perovskite solar cells. In APPLIED MATERIALS TODAY. ISSN 2352-9407, 2020, vol. 20, 100720., Registrované v: WOS
16. [1.1] HUANG, Bin-Juine - GUAN, Cheng-Kang - HUANG, Shih-Han - SU, Wei-Fang. Development of once-through manufacturing machine for large-area Perovskite solar cell production. In SOLAR ENERGY. ISSN 0038-092X, 2020, vol. 205, pp. 192-201., Registrované v: WOS
17. [1.1] HUANG, Shih-Han - GUAN, Cheng-Kang - LEE, Pei-Huan - HUANG, Hung-Che - LI, Chia-Feng - HUANG, Yu-Ching - SU, Wei-Fang. Toward All Slot-Die Fabricated High Efficiency Large Area Perovskite Solar Cell Using Rapid Near Infrared Heating in Ambient Air. In ADVANCED ENERGY MATERIALS. ISSN 1614-6832, 2020, vol. 10, no. 37, 2001567., Registrované v: WOS
18. [1.1] HU, Min - WU, Xuelian - TAN, Wen Liang - TAN, Boer - SCULLY, Andrew D. - DING, Lei - ZHOU, Cai - XIONG, Yuli - HUANG, Fuzhi - SIMONOV, Alexandr N. - BACH, Udo - CHENG, Yi-Bing - WANG, Shengxiang - LU, Jianfeng. Solvent Engineering of a Dopant-Free Spiro-OMeTAD Hole-Transport Layer for Centimeter-Scale Perovskite Solar Cells with High Efficiency and Thermal Stability. In ACS APPLIED MATERIALS & INTERFACES. ISSN 1944-8244, 2020, vol. 12, no. 7, pp. 8260-8270., Registrované v: WOS
19. [1.1] CHOU, Li-Hui - YU, Yu-Tien - WANG, Xiao-Feng - OSAKA, Itaru - WU, Chun-Guey - LIU, Cheng-Liang. Sequential Ultrasonic Spray-Coating Planar Three Layers for 1 cm(2) Active Area Inverted Perovskite Solar Cells. In ENERGY TECHNOLOGY. ISSN 2194-4288, 2020, vol. 8, no. 7, 2000216., Registrované v: WOS
20. [1.1] CHOU, Yi-Shang - CHOU, Li-Hui - GUO, An-Zhe - WANG, Xiao-Feng - OSAKA, Itaru - WU, Chun-Guey - LIU, Cheng-Liang. Ultrasonic Spray-Coated Mixed Cation Perovskite Films and Solar Cells. In ACS SUSTAINABLE CHEMISTRY & ENGINEERING. ISSN 2168-0485, 2019, vol. 7, no. 16, pp. 14217-14224., Registrované v: WOS
21. [1.1] IJAZ, Moshsin - SHOUKAT, Aleena - AYUB, Asma - TABASSUM, Huma - NASEER, Hira - TANVEER, Rabia - ISLAM, Atif - IGBAL, Tahir. Perovskite solar cells: importance, challenges, and plasmonic enhancement. In INTERNATIONAL JOURNAL OF GREEN ENERGY. ISSN 1543-5075, 2020, vol. 17, no. 15, pp. 1022-1035., Registrované v: WOS
22. [1.1] JIANG, Jun - FANG, Xiang - XU, Yibo - JIA, Xuguang - CHEN, Yu - CHEN, Yiqi - HU, Hongwei - YUAN, Ningyi - DING, Jianning. Highly Efficient and Stable Perovskite Solar Cells Using an Effective Chelate-Assisted Defect Passivation Strategy. In CHEMSUSCHEM. ISSN 1864-5631, 2020, vol. 13, no. 2, pp. 412-418., Registrované v: WOS
23. [1.1] JIANG, Youyu - LIU, Tiefeng - ZHOU, Yinhua. Recent Advances of Synthesis, Properties, Film Fabrication Methods, Modifications of Poly(3,4-ethylenedioxythiophene), and Applications in Solution-Processed Photovoltaics. In ADVANCED FUNCTIONAL MATERIALS. ISSN 1616-301X, 2020, vol. 30, no. 51, 2006213., Registrované v: WOS
24. [1.1] JIA, Chunmei - ZHAO, Xingyu - LAI, Yu-Hong - ZHAO, Jinjin - WANG, Pei-Chun - LIOU, De-Shiang - WANG, Peng - LIU, Zhenghao - ZHANG, Wenhua - CHEN, Wei - CHU, Ying-Hao - LI, Jiangyu. Highly flexible,

robust, stable and high efficiency perovskite solar cells enabled by van der Waals epitaxy on mica substrate. In NANO ENERGY. ISSN 2211-2855, 2019, vol. 60, pp. 476-484., Registrované v: WOS

25. [1.1] KANDEL, Ramjee - SCHATTE, Gabriele - CHENG, Grace - PALMER, Calvin - BEAUCHEMIN, Diane - WANG, Peng L. Stabilization and Solvent Driven Crystal-to-Crystal Transition between New Bismuth Halides. In INORGANIC CHEMISTRY. ISSN 0020-1669, 2020, vol. 59, no. 10, pp. 7049-7055., Registrované v: WOS

26. [1.1] KIM, Hui-Seon - PARK, Nam-Gyu. Importance of tailoring lattice strain in halide perovskite crystals. In NPG ASIA MATERIALS. ISSN 1884-4049, 2020, vol. 12, no. 1, 78., Registrované v: WOS

27. [1.1] LIU, Chaofeng - YUAN, Jifeng - MASSE, Robert - JIA, Xiaoxiao - BI, Wenchao - NEALE, Zachary - SHEN, Ting - XU, Meng - TIAN, Meng - ZHENG, Jiqi - TIAN, Jianjun - CAO, Guozhong. Interphases, Interfaces, and Surfaces of Active Materials in Rechargeable Batteries and Perovskite Solar Cells. In ADVANCED MATERIALS. ISSN 0935-9648, 2020, 1905245., Registrované v: WOS

28. [1.1] LIU, Qiuju - ZHAO, Yanan - MA, Yinxing - SUN, Xuan - GE, Wenqi - FANG, Zhuliang - BAI, Hua - TIAN, Qingyong - FAN, Bin - ZHANG, Tongyi. A mixed solvent for rapid fabrication of large-area methylammonium lead iodide layers by one-step coating at room temperature. In JOURNAL OF MATERIALS CHEMISTRY A. ISSN 2050-7488, 2019, vol. 7, no. 31, pp. 18275-18284., Registrované v: WOS

29. [1.1] LIU, Xin - LUO, Zhao - YIN, Wenxu - LITVIN, Aleksandr P. - BARANOV, Alexander - ZHANG, Jiaqi - LIU, Wenyan - ZHANG, Xiaoyu - ZHENG, Weitao. Methanol-induced fast CsBr release results in phase-pure CsPbBr₃ perovskite nanoplatelets. In NANOSCALE ADVANCES. ISSN 2516-0230, 2020, vol. 2, no. 5, pp. 1973-1979., Registrované v: WOS

30. [1.1] LIU, Zonghao - ONO, Luis K. - QI, Yabing. Additives in metal halide perovskite films and their applications in solar cells. In JOURNAL OF ENERGY CHEMISTRY. ISSN 2095-4956, 2020, vol. 46, pp. 215-228., Registrované v: WOS

31. [1.1] LI, Bo - BINKS, David - CAO, Guozhong - TIAN, Jianjun. Engineering Halide Perovskite Crystals through Precursor Chemistry. In SMALL. ISSN 1613-6810, 2019, vol. 15, no. 47, 1903613., Registrované v: WOS

32. [1.1] LI, Erpeng - BI, Enbing - WU, Yongzhen - ZHANG, Weiwei - LI, Linchang - CHEN, Han - HAN, Liyuan - TIAN, He - ZHU, Wei-Hong. Synergistic Coassembly of Highly Wettable and Uniform Hole-Extraction Monolayers for Scaling-up Perovskite Solar Cells. In ADVANCED FUNCTIONAL MATERIALS. ISSN 1616-301X, 2020, vol. 30, no. 7, 1909509., Registrované v: WOS

33. [1.1] LI, Hu - FAN, Yubo - LI, Zhou. Fabrication and performance test of biodegradable supercapacitor. In MRS ADVANCES. ISSN 2059-8521, 2019, vol. 4, no. 37, pp. 2063-2070., Registrované v: WOS

34. [1.1] LI, Jing - FENG, Liuliu - CAI, Fangfang - ZHANG, Zhenzhen - WEI, Qingya - PENG, Hongjian - ZOU, Yingping. Synthesize non-fullerene acceptors of five fused-ring by modifying side chain. In SOLAR ENERGY. ISSN 0038-092X, 2019, vol. 191, pp. 566-573., Registrované v: WOS

35. [1.1] LI, Mingguang - YU, Longsheng - ZHANG, Ying - GAO, Huan

- LI, Ping - CHEN, Runfeng - HUANG, Wei. Multiple Passivation of Electronic Defects for Efficient and Stable Perovskite Solar Cells. In SOLAR RRL. ISSN 2367-198X, 2020, vol. 4, no. 11, 2000481., Registrované v: WOS
36. [1.1] LLANOS, M. - YEKANI, R. - DEMOPOULOS, G. P. - BASU, N. Alternatives assessment of perovskite solar cell materials and their methods of fabrication. In RENEWABLE & SUSTAINABLE ENERGY REVIEWS. ISSN 1364-0321, 2020, vol. 133, 110207., Registrované v: WOS
37. [1.1] LU, Min - ZHANG, Yu - WANG, Shixun - GUO, Jie - YU, William W. - ROGACH, Andrey L. Metal Halide Perovskite Light-Emitting Devices: Promising Technology for Next-Generation Displays. In ADVANCED FUNCTIONAL MATERIALS. ISSN 1616-301X, 2019, vol. 29, no. 30, 1902008., Registrované v: WOS
38. [1.1] MA, Jialiu - GUO, Da. A data review on certified perovskite solar cells efficiency and I-V metrics: Insights into materials selection and process scaling up. In SOLAR ENERGY. ISSN 0038-092X, 2020, vol. 209, pp. 21-29., Registrované v: WOS
39. [1.1] MCDONALD, Calum - NI, Chengsheng - MAGUIRE, Paul - CONNOR, Paul - IRVINE, John T. S. - MARIOTTI, Davide - SVRCEK, Vladimir. Nanostructured Perovskite Solar Cells. In NANOMATERIALS, 2019, vol. 9, no. 10, 1481., Registrované v: WOS
40. [1.1] MENG, Xiangchuan - CAI, Zheren - ZHANG, Yanyan - HU, Xiaotian - XING, Zhi - HUANG, Zengqi - HUANG, Zhandong - CUI, Yongjie - HU, Ting - SU, Meng - LIAO, Xunfan - ZHANG, Lin - WANG, Fuyi - SONG, Yanlin - CHEN, Yiwang. Bio-inspired vertebral design for scalable and flexible perovskite solar cells. In NATURE COMMUNICATIONS. ISSN 2041-1723, 2020, vol. 11, no. 1, 3016., Registrované v: WOS
41. [1.1] NIA, Narges Yaghooobi - GIORDANO, Fabrizio - ZENDEHDEL, Mahmoud - CINA, Lucio - PALMA, Alessandro Lorenzo - MEDAGLIA, Pier Gianni - ZAKEERUDDIN, Shaik Mohammed - GRATZEL, Michael - DI CARLO, Aldo. Solution-based heteroepitaxial growth of stable mixed cation/anion hybrid perovskite thin film under ambient condition via a scalable crystal engineering approach. In NANO ENERGY. ISSN 2211-2855, 2020, vol. 69, 104441., Registrované v: WOS
42. [1.1] OUYANG, Zhongliang - YANG, Mengjin - WHITAKER, James B. - LI, Dawen - VAN HEST, Maikel F. A. M. Toward Scalable Perovskite Solar Modules Using Blade Coating and Rapid Thermal Processing. In ACS APPLIED ENERGY MATERIALS. ISSN 2574-0962, 2020, vol. 3, no. 4, pp. 3714-3720., Registrované v: WOS
43. [1.1] PAN, Han - ZHAO, Xiaojuan - GONG, Xiu - LI, Hao - LADI, Najib Haji - ZHANG, Xiao Li - HUANG, Wenchao - AHMAD, Shahzada - DING, Liming - SHEN, Yan - WANG, Mingkui - FU, Yongqing. Advances in design engineering and merits of electron transporting layers in perovskite solar cells. In MATERIALS HORIZONS. ISSN 2051-6347, 2020, vol. 7, no. 9, pp. 2276-2291., Registrované v: WOS
44. [1.1] PARK, Nam-Gyu. Research Direction toward Scalable, Stable, and High Efficiency Perovskite Solar Cells. In ADVANCED ENERGY MATERIALS. ISSN 1614-6832, 2020, vol. 10, no. 13, 1903106., Registrované v: WOS
45. [1.1] PARVAZIAN, Ershad - ABDOLLAH-ZADEH, Amir - DEHGHANI, Mahdi - TAGHAVINIA, Nima. Photovoltaic Performance

Improvement in Vacuum-Assisted Meniscus Printed Triple-Cation Mixed-Halide Perovskite Films by Surfactant Engineering. In ACS APPLIED ENERGY MATERIALS. ISSN 2574-0962, 2019, vol. 2, no. 9, pp. 6209-6217., Registrované v: WOS

46. [1.1] QIU, Longbin - HE, Sisi - ONO, Luis K. - LIU, Shengzhong - QI, Yabing. Scalable Fabrication of Metal Halide Perovskite Solar Cells and Modules. In ACS ENERGY LETTERS. ISSN 2380-8195, 2019, vol. 4, no. 9, pp. 2147-2167., Registrované v: WOS

47. [1.1] RAIFORD, James A. - OYAKHIRE, Solomon T. - BENT, Stacey F. Applications of atomic layer deposition and chemical vapor deposition for perovskite solar cells. In ENERGY & ENVIRONMENTAL SCIENCE. ISSN 1754-5692, 2020, vol. 13, no. 7, pp. 1997-2023., Registrované v: WOS

48. [1.1] RAKOCEVIC, Lucija - MUNDT, Laura E. - GEHLHAAR, Robert - MERCKX, Tamara - AERNOUTS, Torn - SCHUBERT, Martin C. - GLUNZ, Stefan W. - POORTMANS, Jef. Loss Analysis in Perovskite Photovoltaic Modules. In SOLAR RRL. ISSN 2367-198X, 2019, 1900338., Registrované v: WOS

49. [1.1] RICCIARDULLI, Antonio Gaetano - BLOM, Paul W. M. Solution-Processable 2D Materials Applied in Light-Emitting Diodes and Solar Cells. In ADVANCED MATERIALS TECHNOLOGIES. ISSN 2365-709X, 2020, vol. 5, no. 8, 1900972., Registrované v: WOS

50. [1.1] SAHARE, Sanjay - GHODERAU, Prachi - KHAN, Sadaf Bashir - CHAN, Yue - LEE, Shern-Long. Recent progress in hybrid perovskite solar cells through scanning tunneling microscopy and spectroscopy. In NANOSCALE. ISSN 2040-3364, 2020, vol. 12, no. 30, pp. 15970-15992., Registrované v: WOS

51. [1.1] SHEKARGOFTAR, Masoud - JURMANOVA, Jana - HOMOLA, Tomas. A Study on the Effect of Ambient Air Plasma Treatment on the Properties of Methylammonium Lead Halide Perovskite Films. In METALS, 2019, vol. 9, no. 9, 991., Registrované v: WOS

52. [1.1] SHRESTHA, Niraj - SONG, Zhaoning - CHEN, Cong - BASTOLA, Ebin - WANG, Xiaoming - YAN, Yanfa - ELLINGSON, Randy J. Charge Compensating Defects in Methylammonium Lead Iodide Perovskite Suppressed by Formamidinium Inclusion. In JOURNAL OF PHYSICAL CHEMISTRY LETTERS. ISSN 1948-7185, 2020, vol. 11, no. 1, pp. 121-128., Registrované v: WOS

53. [1.1] SUN, Xianglang - YU, Xinyu - LI, Zhong'an. Recent Advances of Dopant-Free Polymer Hole-Transporting Materials for Perovskite Solar Cells. In ACS APPLIED ENERGY MATERIALS. ISSN 2574-0962, 2020, vol. 3, no. 11, pp. 10282-10302., Registrované v: WOS

54. [1.1] TAILOR, Naveen Kumar - ABDI-JALEBI, Mojtaba - GUPTA, Vinay - HU, Hanlin - DAR, M. Ibrahim - LI, Gang - SATAPATHI, Soumitra. Recent progress in morphology optimization in perovskite solar cell. In JOURNAL OF MATERIALS CHEMISTRY A. ISSN 2050-7488, 2020, vol. 8, no. 41, pp. 21356-21386., Registrované v: WOS

55. [1.1] TAN, Boer - RAGA, Sonia R. - CHESMAN, Anthony S. R. - FUERER, Sebastian O. - ZHENG, Fei - MCMEEKIN, David P. - JIANG, Liangcong - MAO, Wenxin - LIN, Xiongfang - WEN, Xiaoming - LU, Jianfeng - CHENG, Yi-Bing - BACH, Udo. LiTFSI-Free Spiro-OMeTAD-Based Perovskite Solar Cells with Power Conversion Efficiencies Exceeding 19%. In

- ADVANCED ENERGY MATERIALS. ISSN 1614-6832, 2019, vol. 9, no. 32, pp., Registrované v: WOS
56. [1.1] THAMBIDURAI, M. - FEBRIANSYAH, Benny - FOO, Shini - HARIKESH, P. C. - MING, Koh Teck - MATHEWS, Nripan - DANG, Cuong. Enhanced stability and photovoltaic performance of planar perovskite solar cells through anilinium thiobenzoate interfacial engineering. In JOURNAL OF POWER SOURCES. ISSN 0378-7753, 2020, vol. 479, 228811., Registrované v: WOS
57. [1.1] THANH-TUNG DUONG - TAT-DAT TRAN - QUOC-TUAN LE. CNC assisted spray deposition of large grain size $\text{CH}_3\text{NH}_3\text{PbI}_3$ film for perovskite solar cells. In JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS. ISSN 0957-4522, 2019, vol. 30, no. 12, pp. 11027-11033., Registrované v: WOS
58. [1.1] TIAN, Shi - LI, Jing - LI, Saisai - BU, Tongle - MO, Yanping - WANG, Song - LI, Wangnan - HUANG, Fuzhi. A facile green solvent engineering for up-scaling perovskite solar cell modules. In SOLAR ENERGY. ISSN 0038-092X, 2019, vol. 183, pp. 386-391., Registrované v: WOS
59. [1.1] TREMBLAY, Marie-Helene - SCHUTT, Kelly - ZHANG, Yadong - LIM, Jongchul - LIN, Yen-Hung - WARBY, Jonathan H. - BARLOW, Stephen - SNAITH, Henry J. - MARDER, Seth R. A photo-crosslinkable bis-triarylamine side-chain polymer as a hole-transport material for stable perovskite solar cells. In SUSTAINABLE ENERGY & FUELS. ISSN 2398-4902, 2020, vol. 4, no. 1, pp. 190-198., Registrované v: WOS
60. [1.1] TSENG, Zong-Liang - CHIANG, Chien-Hung - WU, Chun-Guey. Highly Stable $\text{FA}(\text{x})\text{MA}(1-\text{x})\text{PbI}_3(\text{3-x})\text{Br}(\text{x})$ -2P Precursor for Crystallizing High-Quality, Large-Area Perovskite Film in an Ambient Atmosphere. In SOLAR RRL. ISSN 2367-198X, 2020, vol. 4, no. 1., Registrované v: WOS
61. [1.1] WANG, Chao - TAN, Guangyao - LUO, Xiaoping - LI, Jing - GAO, Xiaofeng - MO, Yanping - ZHANG, Xiao-Li - WANG, Xuewen - HUANG, Fuzhi. How to fabricate efficient perovskite solar mini-modules in lab. In JOURNAL OF POWER SOURCES. ISSN 0378-7753, 2020, vol. 466, 228321., Registrované v: WOS
62. [1.1] WANG, Kai - SUBHANI, Waqas Siddique - WANG, Yulong - ZUO, Xiaokun - WANG, Hui - DUAN, Lianjie - LIU, Shengzhong (Frank). Metal Cations in Efficient Perovskite Solar Cells: Progress and Perspective. In ADVANCED MATERIALS. ISSN 0935-9648, 2019, vol. 31, no. 50, 1902037., Registrované v: WOS
63. [1.1] WANG, Kai - WU, Congcong - HOU, Yuchen - YANG, Dong - PRIYA, Shashank. Monocrystalline perovskite wafers/thin films for photovoltaic and transistor applications. In JOURNAL OF MATERIALS CHEMISTRY A. ISSN 2050-7488, 2019, vol. 7, no. 43, pp. 24661-24690., Registrované v: WOS
64. [1.1] WANG, Lijun - ZHUANG, Qixin - YOU, Guofeng - LIN, Xinyu - LI, Kan - LIN, Zhenghuan - ZHEN, Hongyu - LING, Qidan. Donor-Acceptor Type Polymers Containing Fused-Ring Units as Dopant-Free, Hole-Transporting Materials for High-Performance Perovskite Solar Cells. In ACS APPLIED ENERGY MATERIALS. ISSN 2574-0962, 2020, vol. 3, no. 12, pp. 12475-12483., Registrované v: WOS
65. [1.1] WANG, Shaoli - YANG, Fan - ZHU, Jiangrui - CAO, Qinxuan - ZHONG, Yangguang - WANG, Aocheng - DU, Wenna - LIU, Xinfeng. Growth

- of metal halide perovskite materials. In SCIENCE CHINA-MATERIALS. ISSN 2095-8226, 2020, vol. 63, no. 8, pp. 1438-1463., Registrované v: WOS
66. [1.1] WANG, Shixun - WANG, Yu - ZHANG, Yu - ZHANG, Xiangtong - SHEN, Xinyu - ZHUANG, Xingwei - LU, Po - YU, William W. - KERSHAW, Stephen V. - ROGACH, Andrey L. Cesium Lead Chloride/Bromide Perovskite Quantum Dots with Strong Blue Emission Realized via a Nitrate-Induced Selective Surface Defect Elimination Process. In JOURNAL OF PHYSICAL CHEMISTRY LETTERS. ISSN 1948-7185, 2019, vol. 10, no. 1, pp. 90-96., Registrované v: WOS
67. [1.1] WANG, Zenghua - LOU, Junjie - ZHENG, Xiaojia - ZHANG, Wen-Hua - QIN, Yong. Solution Processed Nb₂O₅ Electrodes for High Efficient Ultraviolet Light Stable Planar Perovskite Solar Cells. In ACS SUSTAINABLE CHEMISTRY & ENGINEERING. ISSN 2168-0485, 2019, vol. 7, no. 7, pp. 7421-7429., Registrované v: WOS
68. [1.1] WOJCIECHOWSKI, Konrad - FORGAES, David - RIVERA, Thomas. Industrial Opportunities and Challenges for Perovskite Photovoltaic Technology. In SOLAR RRL. ISSN 2367-198X, 2019, vol. 3, no. 9., Registrované v: WOS
69. [1.1] WU, Jinbo - ZHEN, Chao - WU, Tingting - JIA, Chunxu - HAIDER, Mustafa - LIU, Gang - CHENG, Hui-Ming. Reconstructed transparent conductive layers of fluorine doped tin oxide for greatly weakened hysteresis and improved efficiency of perovskite solar cells. In CHEMICAL COMMUNICATIONS. ISSN 1359-7345, 2020, vol. 56, no. 1, pp. 129-132., Registrované v: WOS
70. [1.1] XING, Zhi - XIAO, Junjun - HU, Ting - MENG, Xiangchuan - LI, Dengxue - HU, Xiaotian - CHEN, Yiwang. Atomic Layer Deposition of Metal Oxides in Perovskite Solar Cells: Present and Future. In SMALL METHODS. ISSN 2366-9608, 2020, vol. 4, no. 12, 2000588., Registrované v: WOS
71. [1.1] XIN, Deyu - TIE, Shujie - ZHENG, Xiaojia - ZHU, Jianguo - ZHANG, Wen-Hua. Defect passivation through electrostatic interaction for high performance flexible perovskite solar cells. In JOURNAL OF ENERGY CHEMISTRY. ISSN 2095-4956, 2020, vol. 46, pp. 173-177., Registrované v: WOS
72. [1.1] XI, Jiahao - YUAN, Jifeng - YAN, Xiaoqin - BINKS, David - TIAN, Jianjun. Gradient Annealing of Halide Perovskite Films for Improved Performance of Solar Cells. In ACS APPLIED ENERGY MATERIALS. ISSN 2574-0962, 2020, vol. 3, no. 9, pp. 8130-8134., Registrované v: WOS
73. [1.1] XU, Wenjie - JI, Ruiqi - LIU, Pinlei - CHENG, Lu - ZHU, Lin - ZHANG, Ju - CHEN, Hong - TONG, Yunfang - ZHANG, Chenglong - KUANG, Zhiyuan - ZHANG, Hao - LAI, Jingya - WEN, Kaichuan - YANG, Pinghui - WANG, Nana - HUANG, Wei - WANG, Jianpu. In Situ-Fabricated Perovskite Nanocrystals for Deep-Blue Light-Emitting Diodes. In JOURNAL OF PHYSICAL CHEMISTRY LETTERS. ISSN 1948-7185, 2020, vol. 11, no. 24, pp. 10348-10353., Registrované v: WOS
74. [1.1] XU, Xiuwen - XIE, Yue-Min - MA, Yuhui - LI, Menglin - MA, Chunqing - LEE, Chun-Sing - TSANG, Sai-Wing. The Role of Diammonium Cation on the Structural and Optoelectronic Properties in 3D Cesium-Formamidinium Mixed-Cation Perovskite Solar Cells. In SOLAR RRL. ISSN 2367-198X, 2019, vol. 3, no. 8, 1900140., Registrované v: WOS

75. [1.1] YAMILOVA, Olga R. - DANILOV, Andrei V. - MANGRULKAR, Mayuribala - FEDOTOV, Yuri S. - LUCHKIN, Sergey Yu. - BABENKO, Sergey D. - BREDIKHIN, Sergey I. - ALDOSHIN, Sergey M. - STEVENSON, Keith J. - TROSHIN, Pavel A. Reduction of Methylammonium Cations as a Major Electrochemical Degradation Pathway in MAPbI(3) Perovskite Solar Cells. In JOURNAL OF PHYSICAL CHEMISTRY LETTERS. ISSN 1948-7185, 2020, vol. 11, no. 1, pp. 221-228., Registrované v: WOS
76. [1.1] YANG, Xiaolong - XI, Jun - SUN, Yuanhui - ZHANG, Yindi - ZHOU, Guijiang - WONG, Wai-Yeung. A dopant-free twisted organic small-molecule hole transport material for inverted planar perovskite solar cells with enhanced efficiency and operational stability. In NANO ENERGY. ISSN 2211-2855, 2019, vol. 64, UNSP 103946., Registrované v: WOS
77. [1.1] YAN, Yeling - GAO, Junmei - MENG, Fanning - WANG, Ning - GAO, Ligu - MA, Tingli. Large-Area Perovskite Solar Cells. In PROGRESS IN CHEMISTRY. ISSN 1005-281X, 2019, vol. 31, no. 7, pp. 1031-1043., Registrované v: WOS
78. [1.1] YE, Zhili - ZHOU, Junshuai - HOU, Jie - DENG, Fei - ZHENG, Yan-Zhen - TAO, Xia. Low Temperature-Processed Stable and Efficient Carbon-Based CsPbI₂Br Planar Perovskite Solar Cells by In Situ Passivating Grain Boundary and Trap Density. In SOLAR RRL. ISSN 2367-198X, 2019, vol. 3, no. 8, 1900109., Registrované v: WOS
79. [1.1] YI, Jing - ZHUANG, Jia - LIU, Xingchong - WANG, Hanyu - MA, Zhu - HUANG, Dejun - GUO, Zhongli - LI, Haimin. Triphenylamine hydrophobic surface prepared by low-temperature solution deposition for stable and high-efficiency SnO₂ planar perovskite solar cells. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2020, vol. 830, 154710., Registrované v: WOS
80. [1.1] YUAN, Jifeng - BI, Chenghao - WANG, Shixun - GUO, Ruiqi - SHEN, Ting - ZHANG, Linxing - TIAN, Jianjun. Spray-Coated Colloidal Perovskite Quantum Dot Films for Highly Efficient Solar Cells. In ADVANCED FUNCTIONAL MATERIALS. ISSN 1616-301X, 2019, vol. 29, no. 49, 1906615., Registrované v: WOS
81. [1.1] ZHANG, Linxing - ZHOU, Mei - ZHANG, Ziyue - YUAN, Jifeng - LI, Bo - WEN, Wen - TIAN, Jianjun. Ultra-long photoluminescence lifetime in an inorganic halide perovskite thin film. In JOURNAL OF MATERIALS CHEMISTRY A. ISSN 2050-7488, 2019, vol. 7, no. 39, pp. 22229-22234., Registrované v: WOS
82. [1.1] ZHANG, Min - XIN, Deyu - ZHENG, Xiaojia - CHEN, Qi - ZHANG, Wen-Hua. Toward Greener Solution Processing of Perovskite Solar Cells. In ACS SUSTAINABLE CHEMISTRY & ENGINEERING. ISSN 2168-0485, 2020, vol. 8, no. 35, pp. 13126-13138., Registrované v: WOS
83. [1.1] ZHANG, Wenyan - HE, Lang - TANG, Dongyan - LI, Xin. Surfactant Sodium Dodecyl Benzene Sulfonate Improves the Efficiency and Stability of Air-Processed Perovskite Solar Cells with Negligible Hysteresis. In SOLAR RRL. ISSN 2367-198X, 2020, vol. 4, no. 11, 2000376., Registrované v: WOS
84. [1.1] ZHENG, Chao - BI, Chenghao - HUANG, Fan - BINKS, David - TIAN, Jianjun. Stable and Strong Emission CsPbBr₃ Quantum Dots by Surface Engineering for High-Performance Optoelectronic Films. In ACS APPLIED MATERIALS & INTERFACES. ISSN 1944-8244, 2019, vol. 11, no. 28, pp.

25410-25416., Registrované v: WOS

85. [1.1] ZHOU, Zhou-Kun - MO, Zhi-Hong - WEI, Xiao-Lan. Higher quantum efficiency and moisture resistance of all-inorganic halide perovskite nanocrystal films in situ fabricated with cyclodextrin. In CHEMICAL COMMUNICATIONS. ISSN 1359-7345, 2019, vol. 55, no. 79, pp. 11916-11919., Registrované v: WOS

86. [1.1] ZHUANG, Zhishan - QIU, Linlin - DONG, Lika - CHEN, Yue - CHU, Zhudan - MA, Xiangyu - DU, Pingfan - XIONG, Jie. Preparation of high-efficiency perovskite solar cells via doping Ag into CuO nanofibers as hole buffer layer. In POLYMER COMPOSITES. ISSN 0272-8397, 2020, vol. 41, no. 6, pp. 2145-2153., Registrované v: WOS

87. [1.1] ZHU, Huimin - ERBING, Axel - WU, Hua - MAN, Gabriel J. - MUKHERJEE, Soham - KAMAL, Chinnathambi - JOHANSSON, Malin B. - RENSAMO, Hakan - ODELIUS, Michael - JOHANSSON, Erik M. J. Tuning the Bandgap in Silver Bismuth Iodide Materials by Partly Substituting Bismuth with Antimony for Improved Solar Cell Performance. In ACS APPLIED ENERGY MATERIALS. ISSN 2574-0962, 2020, vol. 3, no. 8, pp. 7372-7382., Registrované v: WOS

88. [1.1] ZHU, Weidong - ZHANG, Zeyang - CHAI, Wenming - CHEN, Dazheng - XI, He - CHANG, Jingjing - ZHANG, Jincheng - ZHANG, Chunfu - HAO, Yue. Benign Pinholes in CsPbIBr₂ Absorber Film Enable Efficient Carbon-Based, All-Inorganic Perovskite Solar Cells. In ACS APPLIED ENERGY MATERIALS. ISSN 2574-0962, 2019, vol. 2, no. 7, pp. 5254-5262., Registrované v: WOS

ADCA459 HUBER, M. - PLESCH, Martin. Purification of genuine multipartite entanglement. In *Physical Review A*, 2011, vol. 83, no. 6, 062321. (2010: 2.861 - IF, Q1 - JCR, 2.400 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.83.062321>

Ohlasy:

1. [1.1] DE PAULA, A. L. - FREITAS, Dagoberto S. Dynamics of entanglement among the environment oscillators of a many-body system. In MODERN PHYSICS LETTERS B. ISSN 0217-9849, 2016, vol. 30, no. 17, 1650222., Registrované v: WOS

2. [1.1] HUANG, Chunyu - MA, Wenchao - YE, Liu. Protecting quantum entanglement and correlation by local filtering operations. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2016, vol. 15, no. 8, pp. 3243-3256., Registrované v: WOS

3. [1.1] PAUL, Biswajit - MUKHERJEE, Kaushiki - KARMAKAR, Sumana - SARKAR, Debasis - MUKHERJEE, Amit - ROY, Arup - BHATTACHARYA, Some Sankar. Detection of genuine tripartite entanglement in quantum network scenario. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2020, vol. 19, no. 8, 246., Registrované v: WOS

4. [1.1] WANG, Xin-Wen - TANG, Shi-Qing - YUAN, Ji-Bing - ZHANG, DengYu. Distilling perfect GHZ states from two copies of non-GHZ-diagonal mixed states. In OPTICS COMMUNICATIONS. ISSN 0030-4018, 2017, vol. 392, pp. 185-189., Registrované v: WOS

5. [1.1] YUAN, Jibing - TANG, Shiqing - WANG, Xinwen - ZHANG, Dengyu. One-step distillation of local-unitary-equivalent GHZ-type states. In

ADCA460 HUDEC, Tomáš** - MIKULA, Marián - SATRAPINSKY, Leonid - ROCH, Tomáš - TRUCHLÝ, Martin - ŠVEC, Peter Jr. - HUMINIUC, Teodor - POLCAR, Tomáš. Structure, mechanical and tribological properties of Mo-S-N solid lubricant coatings. In *Applied Surface Science*, 2019, vol. 486, p. 1-14. (2018: 5.155 - IF, Q1 - JCR, 1.115 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 0169-4332. Dostupné na:
<https://doi.org/10.1016/j.apsusc.2019.03.294>

Ohlasy:

1. [1.1] BIN YAQUB, Talha - BRUYERE, Stephanie - PIERSON, Jean-Francois - VUCHKOV, Todor - CAVALEIRO, Albano. Insights into the wear track evolution with sliding cycles of carbon-alloyed transition metal dichalcogenide coatings. In *SURFACE & COATINGS TECHNOLOGY*. ISSN 0257-8972, 2020, vol. 403, 126360., Registrované v: WOS
2. [1.1] BIN YAQUB, Talha - VUCHKOV, Todor - EVARISTO, Manuel - CAVALEIRO, Albano. DCMS Mo-Se-C solid lubricant coatings Synthesis, structural, mechanical and tribological property investigation. In *SURFACE & COATINGS TECHNOLOGY*. ISSN 0257-8972, 2019, vol. 378, 124992., Registrované v: WOS
3. [1.1] FOMINSKI, Vyacheslav - FOMINSKI, Dmitry - ROMANOV, Roman - GRITSKEVICH, Mariya - DEMIN, Maxim - SHVETS, Petr - MAKSIMOVA, Ksenia - GOIKHMAN, Alexander. Specific Features of Reactive Pulsed Laser Deposition of Solid Lubricating Nanocomposite Mo-S-C-H Thin-Film Coatings. In *NANOMATERIALS*, 2020, vol. 10, no. 12, 2456., Registrované v: WOS
4. [1.1] FOMINSKI, V. - DEMIN, M. - NEVOLIN, V. - FOMINSKI, D. - ROMANOV, R. - GRITSKEVICH, M. - SMIRNOV, N. Reactive Pulsed Laser Deposition of Clustered-Type MoS_x (x similar to 2, 3, and 4) Films and Their Solid Lubricant Properties at Low Temperature. In *NANOMATERIALS*, 2020, vol. 10, no. 4, 653., Registrované v: WOS
5. [1.1] KANNUR, Kaushik Hebbar - BIN YAQUB, Talha - HUMINIUC, Teodor - POLCAR, Tomas - PUIER, Christophe - HEAU, Christophe - CAVALEIRO, Albano. Synthesis and structural properties of Mo-S-N sputtered coatings. In *APPLIED SURFACE SCIENCE*. ISSN 0169-4332, 2020, vol. 527, 146790., Registrované v: WOS
6. [1.1] KANNUR, Kaushik Hebbar - BIN YAQUB, Talha - PUIER, Christophe - HEAU, Christophe - CAVALEIRO, Albano. Mechanical Properties and Vacuum Tribological Performance of Mo-S-N Sputtered Coatings. In *ACS APPLIED MATERIALS & INTERFACES*. ISSN 1944-8244, 2020, vol. 12, no. 38, pp. 43299-43310., Registrované v: WOS
7. [1.1] LUN, Mengmeng - WU, Wanying - XING, Zhifeng - SONG, Hanzhao - WANG, Yinzhen - LI, Wei - CHU, Benli - HE, Qinyu. Upconversion photoluminescence of Er³⁺ and Yb³⁺ codoped MoS₂ powders. In *JOURNAL OF LUMINESCENCE*. ISSN 0022-2313, 2020, vol. 223, 117189., Registrované v: WOS
8. [1.1] SALAM, Abdul - XIE, Guoxin - GUO, Dan - XU, Wenhui. Fabrication and tribological behavior of self-lubricating composite impregnated with synthesized inorganic hollow fullerene-like MoS₂. In *COMPOSITES PART*

B-ENGINEERING. ISSN 1359-8368, 2020, vol. 200, no. 10, 108284.,
Registrované v: WOS

9. [1.1] SUN, W. D. - GU, X. L. - YANG, L. N. - WANG, J. - MIAO, K. F. - DONG, C. Y. - WEN, M. - ZHANG, K. Effect of boron content on the structure, mechanical and tribological properties of sputtered Mo-S-B films. In SURFACE & COATINGS TECHNOLOGY. ISSN 0257-8972, 2020, vol. 399, 126140., Registrované v: WOS

10. [1.1] TILLMANN, Wolfgang - WITTIG, Alexandra - MOLDENHAUER, Henning - THOMANN, Carl-Arne - DEBUS, Joerg - AURICH, Daniel - BRUEMMER, Andreas. Nitrogen doping of MoS_x thin films sputtered by reactive High Power Impulse Magnetron Sputtering. In THIN SOLID FILMS. ISSN 0040-6090, 2020, vol. 713, 138267., Registrované v: WOS

11. [1.1] VOPAT, Tomas - SAHUL, Martin - HARSANI, Marian - VORTEL, Ondrej - ZLAMAL, Tomas. The Tool Life and Coating-Substrate Adhesion of AlCrSiN-Coated Carbide Cutting Tools Prepared by LARC with Respect to the Edge Preparation and Surface Finishing. In MICROMACHINES, 2020, vol. 11, no. 2, 166., Registrované v: WOS

12. [1.1] VUCHKOV, Todor - EVARISTO, Manuel - BIN YAQUB, Talha - CAVALEIRO, Albano. The effect of substrate location on the composition, microstructure and mechano-tribological properties of W-S-C coatings deposited by magnetron sputtering. In SURFACE & COATINGS TECHNOLOGY. ISSN 0257-8972, 2020, vol. 386, 125481., Registrované v: WOS

13. [1.1] WANG, Long - TIEU, Anh Kiet - WANG, Pei - HAI, Guojuan - MITCHELL, David R. G. - ZHU, Hongtao. High temperature lubrication and mechanism of sodium carbonate by interface tailoring. In APPLIED SURFACE SCIENCE. ISSN 0169-4332, 2020, vol. 530, 147288., Registrované v: WOS

14. [1.1] YAQUB, Talha Bin - VUCHKOV, Todor - SANGUINO, Pedro - POLCAR, Tomas - CAVALEIRO, Albano. Comparative Study of DC and RF Sputtered MoSe₂ Coatings Containing Carbon-An Approach to Optimize Stoichiometry, Microstructure, Crystallinity and Hardness. In COATINGS, 2020, vol. 10, no. 2, 133., Registrované v: WOS

ADCA461 HUSS-HANSEN, M.K.** - HODAS, Martin - MRKÝVKOVÁ, Nad'a, Tesařová - HAGARA, Jakub - JENSEN, B. B. E. - OSADNIK, A. - LÜTZEN, A. - MAJKOVÁ, Eva - ŠIFFALOVÍČ, Peter - SCHREIBER, F. - TAVARES, L. - KJELSTRUP-HANSEN, J. - KNAAPILA, M. Surface-Controlled Crystal Alignment of Naphthyl End-Capped Oligothiophene on Graphene: Thin-Film Growth Studied by in Situ X-Ray Diffraction. In *Langmuir*, 2020, vol. 36, no. 8, p. 1898–1906. (2019: 3.557 - IF, Q2 - JCR, 1.088 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 0743-7463. Dostupné na: <https://doi.org/10.1021/acs.langmuir.9b03467>

Ohlasy:

1. [1.1] BRETT, C. J. - MONTANI, S. - SCHWARTZKOPF, M. - VAN BENTHEM, R. A. T. M. - JANSEN, J. F. G. A. - GRIFFINI, G. - ROTH, S. - JOHANSSON, M. K. G. Revealing structural evolution occurring from photo-initiated polymer network formation. In COMMUNICATIONS CHEMISTRY. ISSN 2399-3669, 2020, vol. 3, no. 1, 88., Registrované v: WOS

2. [1.1] HATTORI, Yoshiaki - KITAMURA, Masatoshi. Crystal Orientation Imaging of Organic Monolayer Islands by Polarized Light

Microscopy. In ACS APPLIED MATERIALS & INTERFACES. ISSN 1944-8244, 2020, vol. 12, no. 32, pp. 36428-36436., Registrované v: WOS

ADCA462 CHADWICK, M.B. - OBLOŽINSKÝ, Pavol. Linear momentum in the exciton model - a consistent way to obtain angular-distributions. In *Physical Review C*, 1991, vol. 44, no. 5, r1740-R1744. ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.44.R1740>

Ohlasy:

1. [1.1] HAN, Yinlu - XU, Yongli - GUO, Hairui - ZHANG, Zhengjun - LIANG, Haiying - CAI, Chonghai - SHEN, Qingbiao. The calculation and evaluation for n+Fe-54,Fe-56,Fe-57,Fe-58 reactions. In ND 2016: INTERNATIONAL CONFERENCE ON NUCLEAR DATA FOR SCIENCE AND TECHNOLOGY. ISSN 2100-014X, 2017, vol. 146, 02023., Registrované v: WOS
2. [1.1] HU, Jiaqi - SUN, Xiaojun - ZHANG, Jingshang - WANG, Sheng - HAN, Yinlu. Theoretical analysis of double-differential cross sections of proton, deuteron, and triton emission in the p + Li-7 reaction at 14 MeV. In PHYSICAL REVIEW C. ISSN 2469-9985, 2020, vol. 101, no. 3, 034616., Registrované v: WOS
3. [1.1] HU, Jiaqi - XU, Yongli - HAN, Yinlu. Calculation and Evaluations for n+SUP64,66,67,68,70,nat/SUPZn Reactions. In NUCLEAR SCIENCE AND ENGINEERING. ISSN 0029-5639, 2018, vol. 191, no. 3, pp. 262-281., Registrované v: WOS
4. [1.1] LIANG, Haiying - WU, Zhendong - ZHANG, Zhengjun - HAN, Yinlu - JIAO, Xuesheng. Calculations and Analysis of n+Nb-93 Reaction. In NUCLEAR SCIENCE AND ENGINEERING. ISSN 0029-5639, 2017, vol. 187, no. 2, pp. 107-126., Registrované v: WOS
5. [1.1] LI, Juan - ZHANG, Zhengjun - HAN, Yinlu. Calculation and Evaluation of Energy Spectra and Double-Differential Cross Sections for p+Zr-90 Reactions up to 200 MeV. In NUCLEAR SCIENCE AND ENGINEERING. ISSN 0029-5639, 2015, vol. 179, no. 2, pp. 164., Registrované v: WOS
6. [1.1] SU, Xinwu - HAN, Yinlu - CAI, Chonghai. Theoretical calculations of n+Th-232 reaction for energies up to 150 MeV. In ANNALS OF NUCLEAR ENERGY. ISSN 0306-4549, 2015, vol. 76, no., pp. 469., Registrované v: WOS
7. [1.1] SU, Xinwu - HAN, Yinlu - CAI, Chonghai. Neutron-induced reaction on U-233. In ANNALS OF NUCLEAR ENERGY. ISSN 0306-4549, 2016, vol. 90, no., pp. 123-134., Registrované v: WOS
8. [1.1] SU, Xinwu - HAN, Yinlu. Calculations and Evaluations of Neutron-Induced Reactions on Ta-180m,Ta-181. In NUCLEAR SCIENCE AND ENGINEERING. ISSN 0029-5639, 2019, vol. 193, no. 7, pp. 760-775., Registrované v: WOS
9. [1.1] WANG, Zhimin - BAI, Huaiyong - ZHANG, Luyu - JIANG, Haoyu - LU, Yi - CHEN, Jinxiang - ZHANG, Guohui - GLEDENOV, Yu. M. - SEDYSHEVA, M. V. - KHUUKHENKHUU, G. Cross section measurement for the B-10(n,t2 alpha) three-body reaction at 4.0, 4.5, and 5.0 MeV. I. Prediction of the experimental spectrum. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 96, no. 4, 044620., Registrované v: WOS
10. [1.1] WU, Zhen-Dong - LIANG, Hai-Ying - HAN, Yin-Lu.

Theoretical calculations and evaluations of $n+Na-23$ reaction. In NUCLEAR SCIENCE AND TECHNIQUES. ISSN 1001-8042, 2016, vol. 27, no. 4, 102., Registrované v: WOS

11. [1.2] SU, Xinwu - ZHANG, Zhengjun - HAN, Yinlu. Calculations and evaluations of $n + \sup{113, 115, nat./\sup}$ in reactions up to 200 MeV. In Nuclear Science and Engineering. ISSN 00295639, 2015-11-01, 181, 3, pp. 272-288., Registrované v: SCOPUS

ADCA463 CHADWICK, M.B. - OBLOŽINSKÝ, Pavol. Particle-hole state densities with linear momentum and angular distributions in preequilibrium reactions. In *Physical Review C*, 1992, vol. 46, no. 5, p. 2028-2041. ISSN 2469-9985.

Ohlasy:

1. [1.1] ACHARYA, Jaimin - MUKHERJEE, S. - CHATTERJEE, A. - SINGH, N. L. - RAMACHANDRAN, K. - ROUT, P. C. - MAHATA, K. - DESAI, Vishal - MIRGULE, E. T. - SURYANARAYANA, S. V. - NAYAK, B. K. - SAXENA, A. - STEYN, G. F. Neutron emission in F-19-induced reactions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 3, 034607., Registrované v: WOS

ADCA464 CHADWICK, M.B. - OBLOŽINSKÝ, Pavol - HODGSON, P.E. - REFFO, G. Pauli-blocking in the quasideuteron model of photoabsorption. In *Physical Review C*, 1991, vol. 44, no. 2, p. 814-823. ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.44.814>

Ohlasy:

1. [1.1] BALABEKYAN, A. R. - DEMEKHINA, N. A. - MELYAN, E. - FALTAJANYAN, S. - ALEKSANYAN, A. - AMIRKHANYAN, S. - GULKANYAN, H. - KOTANJYAN, T. - HAKOBYAN, A. S. A Study of Alpha Particle Production in Photonuclear Reactions at Photon Energies of 21 and 40 MeV. In JOURNAL OF CONTEMPORARY PHYSICS-ARMENIAN ACADEMY OF SCIENCES. ISSN 1068-3372, 2020, vol. 55, no. 1, pp. 1-7., Registrované v: WOS

2. [1.1] BELYSHEV, S. S. - DZHILAVYAN, L. Z. - ISHKHANOV, B. S. - KAPITONOV, I. M. - KUZNETSOV, A. A. - ORLIN, V. N. - STOPANI, K. A. Photonuclear reactions on titanium isotopes. In PHYSICS OF ATOMIC NUCLEI. ISSN 1063-7788, 2015, vol. 78, no. 2, pp. 220., Registrované v: WOS

3. [1.1] BELYSHEV, S. S. - ISHKHANOV, B. S. - KUZNETSOV, A. A. - ORLIN, V. N. - PROSNYAKOV, A. A. - FURSOVA, N. Yu. - KHANKIN, V. V. Photodisintegration of Palladium Isotopes. In MOSCOW UNIVERSITY PHYSICS BULLETIN. ISSN 0027-1349, 2020, vol. 75, no. 6, pp. 513-540., Registrované v: WOS

4. [1.1] BEZSHYYKO, Oleg - DOVBANYA, Anatoliy - GOLINKA-BEZSHYYKO, Larisa - KADENKO, Igor - VODIN, Oleksandr - OLEJNIK, Stanislav - TULLER, Gleb - KUSHNIR, Volodymyr - MITROCHENKO, Viktor. Isomer ratios for products of photonuclear reactions on Sb-121. In ND 2016: INTERNATIONAL CONFERENCE ON NUCLEAR DATA FOR SCIENCE AND TECHNOLOGY. ISSN 2100-014X, 2017, vol. 146, 05016., Registrované v: WOS

5. [1.1] BEZSHYYKO, Oleg - VODIN, Oleksandr - GOLINKA-BEZSHYYKO, Larisa - KADENKO, Ihor - KOTENKO, Andrii - KUSHNIR, Volodymyr - MITROCHENKO, Viktor - OLEJNIK, Stanislav -

PEREZHOGIN, Sergey - POVAR, Tetiana. Isomer ratios for products of photonuclear reactions on Rh. In ND 2019: INTERNATIONAL CONFERENCE ON NUCLEAR DATA FOR SCIENCE AND TECHNOLOGY. ISSN 2100-014X, 2020, vol. 239, 01026., Registrované v: WOS

6. [1.1] BLUEMER, J. Production Yield of Muon-Neutrons in Lead. In Springer Theses-Recognizing Outstanding PhD Research, 2015, pp. 77-150., Registrované v: WOS

7. [1.1] BRACCO, A. - LANZA, E. G. - TAMII, A. Isoscalar and isovector dipole excitations: Nuclear properties from low-lying states and from the isovector giant dipole resonance. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2019, vol. 106, pp. 360-433., Registrované v: WOS

8. [1.1] GHEORGHE, I. - UTSUNOMIYA, H. - KATAYAMA, S. - FILIPESCU, D. - BELYSHEV, S. - STOPANI, K. - ORLIN, V. - VARLAMOV, V. - SHIMA, T. - AMANO, S. - MIYAMOTO, S. - LUI, Y.W. - KAWANO, T. - GORIELY, S. Photoneutron cross-section measurements in the Bi-209(γ , xn) reaction with a new method of direct neutron-multiplicity sorting. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 96, no. 4, 044604., Registrované v: WOS

9. [1.1] GORIELY, S. - DIMITRIOU, P. - WIEDEKING, M. - BELGYA, T. - FIRESTONE, R. - KOPECKY, J. - KRTICKA, M. - PLUJKO, V. - SCHWENGNER, R. - SIEM, S. - UTSUNOMIYA, H. - HILAIRE, S. - PERU, S. - CHO, Y. S. - FILIPESCU, D. M. - IWAMOTO, N. - KAWANO, T. - VARLAMOV, V. - XU, R. Reference database for photon strength functions. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2019, vol. 55, no. 10, 172., Registrované v: WOS

10. [1.1] GORIELY, S. - PERU, S. - COLO, G. - ROCA-MAZA, X. - GHEORGHE, I. - FILIPESCU, D. - UTSUNOMIYA, H. E1 moments from a coherent set of measured photoneutron cross sections. In PHYSICAL REVIEW C. ISSN 2469-9985, 2020, vol. 102, no. 6, 064309., Registrované v: WOS

11. [1.1] GROSSE, E. - JUNGHANS, A. R. - MASSARCZYK, R. Breaking of axial symmetry in excited heavy nuclei as identified in giant dipole resonance data. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2017, vol. 53, no. 11, pp., Registrované v: WOS

12. [1.1] GROSSE, E. - JUNGHANS, A. R. - WILSON, J. N. Effect of broken axial symmetry on the electric dipole strength and the collective enhancement of level densities in heavy nuclei. In PHYSICA SCRIPTA. ISSN 0031-8949, 2017, vol. 92, no. 11, 114003., Registrované v: WOS

13. [1.1] GROSSE, E. - JUNGHANS, A. R. - WILSON, J. N. Consequences of broken axial symmetry in heavy nuclei-an overview of the situation in the valley of stability. In PHYSICA SCRIPTA. ISSN 0031-8949, 2019, vol. 94, no. 1, 014008., Registrované v: WOS

14. [1.1] ISHKHANOV, B. S. - KAPITONOV, I. M. - KUZNETSOV, A. A. - LANSKOY, D. E. - ORLIN, V. N. - YOON, Han Dong. Nuclear spectroscopy of molybdenum isotopes. In MOSCOW UNIVERSITY PHYSICS BULLETIN. ISSN 0027-1349, 2016, vol. 71, no. 1, pp. 1-35., Registrované v: WOS

15. [1.1] ISHKHANOV, B. S. - ORLIN, V. N. Modified Version of the Combined Model of Photonucleon Reactions. In PHYSICS OF ATOMIC NUCLEI. ISSN 1063-7788, 2015, vol. 78, no. 5, pp. 557., Registrované v: WOS

16. [1.1] IWAMOTO, O. - IWAMOTO, N. - KUNIEDA, S. - MINATO, F. - SHIBATA, K. The CCONE Code System and its Application to Nuclear Data Evaluation for Fission and Other Reactions. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2016, vol. 131, no., pp. 259-288., Registrované v: WOS
17. [1.1] KAPLAN, A. - SEKERCI, M. - CAPALI, V. - OZDOGAN, H. Photon Induced Reaction Cross-Section Calculations of Several Structural Fusion Materials. In JOURNAL OF FUSION ENERGY. ISSN 0164-0313, 2017, vol. 36, no. 6, pp. 213-217., Registrované v: WOS
18. [1.1] KAWANO, T. - CHO, Y. S. - DIMITRIOU, P. - FILIPESCU, D. - IWAMOTO, N. - PLUJKO, V. - TAO, X. - UTSUNOMIYA, H. - VARLAMOV, V. - XU, R. - CAPOTE, R. - GHEORGHE, I. - GORBACHENKO, O. - JIN, Y. L. - RENSTROM, T. - SIN, M. - STOPANI, K. - TIAN, Y. - TVETEN, G. M. - WANG, J. M. - BELGYA, T. - FIRESTONE, R. - GORIELY, S. - KOPECKY, J. - KRTICKA, M. - SCHWENGNER, R. - SIEM, S. - WIEDEKING, M. IAEA Photonuclear Data Library 2019. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2020, vol. 163, pp. 109-162., Registrované v: WOS
19. [1.1] KYE, Yong-Uk - SHIN, Sung-Gyun - CHO, Moo-Hyun - KIM, Kyung Sook - NAMKUNG, Won - KIM, Guinyun - KIM, Kwangsoo - KANG, Yeong-Rok - LEE, Man-Woo - YANG, Sung-Chul - DO NGUYEN, Van - PHAM, Duc Khue - KIM, Tien Thanh - NAIK, Haladhara. Measurement of isomeric yield ratios of Pt-197m,Pt-g and Ir-190m2,Ir-g+m1 from the Pt-198(gamma,n) and Pt-nat(gamma,xn1p) reactions induced by 55-, 60-, and 65-MeV bremsstrahlung. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS. ISSN 0168-583X, 2015, vol. 351, no., pp. 35., Registrované v: WOS
20. [1.1] LATTOOFI, Nabeel F. - ALZUBADI, Ali A. Study of giant dipole resonances for neodymium isotopes with an exciton model. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E. ISSN 0218-3013, 2020, vol. 29, no. 10, 2050084., Registrované v: WOS
21. [1.1] PLUJKO, Vladimir - GORBACHENKO, Oleksandr - SOLODOVNYK, Kateryna. Description of nuclear photoexcitation by Lorentzian expressions for electric dipole photon strength function. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2019, vol. 55, no. 11, 210., Registrované v: WOS
22. [1.1] PLUJKO, V. A. - GORBACHENKO, O. M. - CAPOTE, R. - DIMITRIOU, P. Giant dipole resonance parameters of ground-state photoabsorption: Experimental values with uncertainties. In ATOMIC DATA AND NUCLEAR DATA TABLES. ISSN 0092-640X, 2018, vol. 123, pp. 1-85., Registrované v: WOS
23. [1.1] PLUJKO, V. A. - GORIELY, S. - GORBACHENKO, O. M. - SOLODOVNYK, K. M. TEST OF MODELS FOR PHOTON STRENGTH FUNCTIONS OF ELECTRIC DIPOLE PHOTOEXCITATION. In NUCLEAR PHYSICS AND ATOMIC ENERGY. ISSN 1818-331X, 2019, vol. 20, no. 3, pp. 213-220., Registrované v: WOS
24. [1.1] RAHMAN, Md. Shakilur - KIM, Guinyun - KIM, Kyung-Sook - LEE, Manwoo - MEAZE, A. K. M. Moinul Haque. Photonuclear Studies for the Isomeric Yield Ratios in the Production of Fe-nat(gamma, xnp)(52m,g) Mn with

50-, 60-, and 70-MeV Bremsstrahlung. In EPJ WEB OF CONFERENCES, 2016, vol. 106, 04008., Registrované v: WOS

25. [1.1] RAHMAN, Md. Shakilur et al. Measurement of flux-weighted average cross-sections and isomeric yield ratios for Rh-103(xn) reactions in the bremsstrahlung end-point energies of 55 and 60 MeV. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2016, vol. 52, no. 7, 194., Registrované v: WOS

26. [1.1] RAHMAN, Md. Shakilur - KIM, Kwangsoo - NGUYEN, Thi Hien - KIM, Guinyun - NAIK, Haladhara - YANG, Sung-Chul - SHIN, Sung-Gyun - KYE, Yong-uk - CHO, Moo-Hyun. Measurement of flux-weighted average cross sections of In-nat(gamma, xn) reactions and isomeric yield ratios of (112mg,111mg,110mg) In with bremsstrahlung. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2020, vol. 56, no. 9, 235., Registrované v: WOS

27. [1.1] TIAN, Yuan - TAO, Xi - WANG, Jimin - KE, Xianbo - XU, Ruirui - GE, Zhigang. Giant dipole resonance parameters from photoabsorption cross-sections. In CHINESE PHYSICS C. ISSN 1674-1137, 2019, vol. 43, no. 11, 114102., Registrované v: WOS

28. [1.1] VARLAMOV, V. V. - ISHKHANOV, B. S. - ORLIN, V. N. Evaluated Cross Sections of Photoneutron Reactions on the Isotope Sn-116 and Spectra of Neutrons Originating from These Reactions. In PHYSICS OF ATOMIC NUCLEI. ISSN 1063-7788, 2017, vol. 80, no. 6, pp. 1106-1118., Registrované v: WOS

29. [1.1] WEISS, Ronen - BAZAK, Betzalel - BARNEA, Nir. Nuclear Neutron-Proton Contact and the Photoabsorption Cross Section. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 114, no. 1, 012501., Registrované v: WOS

ADCA465 CHAKRABARTI, D. - HARINDRANATH, A. - MARTINOVIČ, Lubomír - PIVOVAROV, G.B. - VARY, J.P. Ab initio results for the broken phase of scalar light front field theory. In *Physics Letters B*, 2005, vol. 617, no. 1-2, p. 92-98. (2004: 4.619 - IF, Current Contents - CCC). (2005 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2005.05.012>

Ohlasy:

1. [1.1] ANAND, Nikhil - GENEST, Vincent X. - KATZ, Emanuel - KHANDKER, Zuhair U. - WALTERS, Matthew T. RG flow from $\phi(4)$ theory to the 2D Ising model. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, vol., no. 8, 056., Registrované v: WOS

2. [1.1] BURKARDT, Matthias - CHABYSHEVA, Sophia S. - HILLER, John R. Two-dimensional light-front $\phi(4)$ theory in a symmetric polynomial basis. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 6, 065006., Registrované v: WOS

3. [1.1] HILLER, J. R. Nonperturbative light-front Hamiltonian methods. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2016, vol. 90, pp. 75-124., Registrované v: WOS

4. [1.1] HILLER, J. R. Symmetry Breaking in Light-Front $\phi(4)$ Theory. In FEW-BODY SYSTEMS. ISSN 0177-7963, 2017, vol. 58, no. 2, UNSP 43., Registrované v: WOS

5. [1.1] CHABYSHEVA, S. S. Light-Front $\phi(4)(1+1)$ Theory Using a Many-Boson Symmetric-Polynomial Basis. In FEW-BODY SYSTEMS. ISSN 0177-7963, 2016, vol. 57, no. 8, pp. 675-680., Registrované v: WOS

ADCA466 CHAKRABARTI, D. - HARINDRANATH, A. - MARTINOVIČ, Lubomír - VARY, J.P. Kinks in discrete light cone quantization. In *Physics Letters B*, 2004, vol. 582, no. 3-4, p. 196-202. (2003: 4.066 - IF, Current Contents - CCC). (2004 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2003.12.049>

Ohlasy:

1. [1.1] ANAND, Nikhil - GENEST, Vincent X. - KATZ, Emanuel - KHANDKER, Zuhair U. - WALTERS, Matthew T. RG flow from $\phi(4)$ theory to the 2D Ising model. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2017, vol., no. 8, 056., Registrované v: WOS
2. [1.1] BURKARDT, Matthias - CHABYSHEVA, Sophia S. - HILLER, John R. Two-dimensional light-front $\phi(4)$ theory in a symmetric polynomial basis. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2016, vol. 94, no. 6, 065006., Registrované v: WOS
3. [1.1] HILLER, J. R. Nonperturbative light-front Hamiltonian methods. In *PROGRESS IN PARTICLE AND NUCLEAR PHYSICS*. ISSN 0146-6410, 2016, vol. 90, pp. 75-124., Registrované v: WOS
4. [1.1] HILLER, J. R. Symmetry Breaking in Light-Front $\phi(4)$ Theory. In *FEW-BODY SYSTEMS*. ISSN 0177-7963, 2017, vol. 58, no. 2, UNSP 43., Registrované v: WOS
5. [1.1] CHABYSHEVA, S. S. Light-Front $\phi(4)(1+1)$ Theory Using a Many-Boson Symmetric-Polynomial Basis. In *FEW-BODY SYSTEMS*. ISSN 0177-7963, 2016, vol. 57, no. 8, pp. 675-680., Registrované v: WOS

ADCA467 CHAUHAN, Purna** - HASENÖHRL, Stanislav - DOBROČKA, Edmund - CHAUVAT, M.-P. - MINJ, A. - GUCMANN, Filip - VANČO, L. - KOVÁČ, Jaroslav Jr. - KRET, S. - RUTERANA, P. - KUBALL, M. - ŠIFFALOVIČ, Peter - KUZMÍK, Ján. Evidence of relationship between strain and In-incorporation: growth of N-polar In-rich InAlN buffer layer by OMCVD. In *Journal of Applied Physics*, 2019, vol. 125, no. 105304. (2018: 2.328 - IF, Q2 - JCR, 0.746 - SJR, Q2 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 0021-8979. Dostupné na: <https://doi.org/10.1063/1.5079756>

Ohlasy:

1. [1.1] BISWAS, Debaleen - FUJITA, Hirotaka - TORII, Naoki - EGAWA, Takashi. Effect of In composition on electrical performance of AlInGaN/GaN-based metal-insulator-semiconductor high electron mobility transistors (MIS-HEMTs) on Si. In *JOURNAL OF APPLIED PHYSICS*. ISSN 0021-8979, 2019, vol. 125, no. 22, pp., Registrované v: WOS

ADCA468 CHIANG, C.F. - NAGAJ, Daniel - WOCJAN, P. Efficient circuits for quantum walks. In *Quantum Information and Computation*, 2010, vol. 10, no. 5-6, p. 420-434. (2009: 2.980 - IF, Q2 - JCR, 2.474 - SJR, Q1 - SJR, Current Contents - CCC). (2010 - Current Contents). ISSN 1533-7146.

Ohlasy:

1. [1.1] DALE, Howard - JENNINGS, David - RUDOLPH, Terry. Provable quantum advantage in randomness processing. In *NATURE COMMUNICATIONS*. ISSN 2041-1723, 2015, vol. 6, 8023., Registrované v: WOS
2. [1.1] LOKE, T. - TANG, J. W. - RODRIGUEZ, J. - SMALL, M. -

WANG, J. B. Comparing classical and quantum PageRanks. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2017, vol. 16, no. 1, UNSP 25., Registrované v: WOS

3. [1.1] LOKE, T. - WANG, J. B. Efficient quantum circuits for Szegedy quantum walks. In ANNALS OF PHYSICS. ISSN 0003-4916, 2017, vol. 382, pp. 64-84., Registrované v: WOS

4. [1.1] LOKE, T. - WANG, J. B. Efficient quantum circuits for continuous-time quantum walks on composite graphs. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2017, vol. 50, no. 5, 055303., Registrované v: WOS

5. [1.1] MONTANARO, Ashley. Quantum speedup of Monte Carlo methods. In PROCEEDINGS OF THE ROYAL SOCIETY A-MATHEMATICAL PHYSICAL AND ENGINEERING SCIENCES. ISSN 1364-5021, 2015, vol. 471, no. 2181, 20150301., Registrované v: WOS

6. [1.1] QIANG, Xiaogang - ZHOU, Xiaoqi - WANG, Jianwei - WILKES, Callum M. - LOKE, Thomas - O'GARA, Sean - KLING, Laurent - MARSHALL, Graham D. - SANTAGATI, Raffaele - RALPH, Timothy C. - WANG, Jingbo B. - O'BRIEN, Jeremy L. - THOMPSON, Mark G. - MATTHEWS, Jonathan C. F. Large-scale silicon quantum photonics implementing arbitrary two-qubit processing. In NATURE PHOTONICS. ISSN 1749-4885, 2018, vol. 12, no. 9, pp. 534-539., Registrované v: WOS

ADCA469 CHILDS, A.M. - GOSSET, D. - NAGAJ, Daniel - RAHA, M. - WEBB, Z. Momentum switches. In *Quantum Information and Computation*, 2015, vol. 15, no. 7-8, pp. 601-621. (2014: 1.393 - IF, Q2 - JCR, 0.803 - SJR, Q2 - SJR, Current Contents - CCC). (2015 - Current Contents). ISSN 1533-7146.

Ohlasy:

1. [1.1] BAO, Ning - HAYDEN, Patrick - SALTON, Grant - THOMAS, Nathaniel. Universal quantum computation by scattering in the Fermi-Hubbard model. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2015, vol. 17, 093028., Registrované v: WOS

2. [1.1] CIANI, A. - TERHAL, B. M. - DIVINCENZO, D. P. Hamiltonian quantum computing with superconducting qubits. In QUANTUM SCIENCE AND TECHNOLOGY. ISSN 2058-9565, 2019, vol. 4, no. 3, 035002., Registrované v: WOS

ADCA470 CHITU, Livia - CHUSHKIN, Y. - LUBY, Štefan - MAJKOVÁ, Eva - LEO, G. - ŠATKA, A. - GIER SIG, M. - HILGENDORFF, M. Effect of magnetic field on self-assembling of colloidal Co magnetic nanoparticles. In *Applied Surface Science*, 2006, vol. 252, no. 15, p. 5559-5562. (2005: 1.263 - IF, Q2 - JCR, 0.689 - SJR, Q1 - SJR, Current Contents - CCC). (2006 - Current Contents). ISSN 0169-4332.

Ohlasy:

1. [1.1] WANG, Ying - WANG, Feifei - HUANG, Tingting - et al. Manipulation of Magnetic Nanoparticles by Optically Induced Dielectrophoresis. In 2017 IEEE INTERNATIONAL CONFERENCE ON MANIPULATION, MANUFACTURING AND MEASUREMENT ON THE NANOSCALE (3M-NANO). ISSN 2373-5422, 2017, pp. 325-328., Registrované v: WOS

2. [1.1] WEN, Xiaogang - GU, Lin - BITTNER, Alexander M. Simple Electroless Synthesis of Cobalt Nanoparticle Chains, Oriented by Externally Applied Magnetic Fields. In ZEITSCHRIFT FUR PHYSIKALISCHE

ADCA471 CHITU, Livia - ŠIFFALOVÍČ, Peter - MAJKOVÁ, Eva - JERGEL, Matej -
VÉGSO, Karol - LUBY, Štefan - CAPEK, Ignác - SATKA, A. - PERLICH, J. -
TIMMANN, A. - ROTH, S.V. - KECKES, J. - MAIER, G.A. Modified
Langmuir-Blodgett deposition of nanoparticles-measurement of 2D to 3D ordered
arrays. In *Measurement Science Review*, 2010, vol. 10, no. 5, p. 162-165. (2009:
0.115 - SJR, Q4 - SJR). (2010 - WOS, SCOPUS). ISSN 1335-8871. Dostupné na:
<https://doi.org/10.2478/v10048-010-0028-0>

Ohlasy:

1. [1.1] ANTONOV, P.V.-ZUIDDAM, M.R.-FRENKEN, J.W.M.
Fabrication of high-aspect ratio silicon nanopillars for tribological experiments.
In *JOURNAL MICRO/NANOLITHOGRAPHY*, 2015, vol. 14, 044506.,
Registrované v: WOS
2. [1.1] HEINZE, T. - SIEBERT, M. - BERLIN, P. - KOSCHELLA, A.
Biofunctional Materials Based on Amino Cellulose Derivatives - A
Nanobiotechnological Concept. In *MACROMOLECULAR BIOSCIENCE*. ISSN
1616-5187, JAN 2016, vol. 16, no. 1, p. 10-42., Registrované v: WOS
3. [1.1] KURILENKOV, Yu. K. - SMETANIN, I. V. - OGINOV, A. V.
- SAMOYLOV, I. S. X-ray Bursts from a Random Cavity Emerging in an
Inter-Electrode Polydisperse Plasma of Nanosecond Vacuum Discharge. I.
Experiment: Generation, Release, and Trapping of X rays. In *JOURNAL OF
RUSSIAN LASER RESEARCH*. ISSN 1071-2836, 2020, vol. 41, no. 5, pp.
491-501., Registrované v: WOS
4. [1.1] LI, Li - DONG, Jian - QIAN, Weiping. Research in the
Preparation and Application of Nanobowl Arrays. In *PROGRESS IN
CHEMISTRY*. ISSN 1005-281X, 2018, vol. 30, no. 2-3, pp. 156-165.,
Registrované v: WOS
5. [1.1] NA, J.W. - KIM, Y.G. - JUNG, T.S. - TAK, Y.J. - PARK, S.P. -
PARK, J.W. - KIM, S.J. - KIM, H.J. Interface location-controlled indium gallium
zinc oxide thin-film transistors using a solution process. In *JOURNAL OF
PHYSICS D-APPLIED PHYSICS*. ISSN 0022-3727, MAR 2 2016, vol. 49, no.
8., Registrované v: WOS
6. [1.1] NG, S.A. - RAZAK, K.A. - CHEONG, K.Y. - AW, K.C.
Growth of gold nanoparticles using aluminum template via low-temperature
hydrothermal method for memory applications. In *JOURNAL OF MATERIALS
SCIENCE-MATERIALS IN ELECTRONICS*. ISSN 0957-4522, SEP 2015, vol.
26, no. 9, p. 6484-6494., Registrované v: WOS
7. [1.1] PEREZ-MAYEN, L. - OLIVA, J. - TORRES-CASTRO, A. -
DE LA ROSA, E. SERS substrates fabricated with star-like gold nanoparticles
for zeptomole detection of analytes. In *NANOSCALE*. ISSN 2040-3364, 2015,
vol. 7, no. 22, p. 10249-10258., Registrované v: WOS
8. [1.1] SMETANIN, I. V. - KURILENKOV, Yu. K. - OGINOV, A. V.
- SAMOYLOV, I. S. X-Ray Bursts from a Random Cavity Emerging in an
Inter-Electrode Polydisperse Plasma of Nanosecond Vacuum Discharge. II.
Diffusion Model of X-Ray Emission. In *JOURNAL OF RUSSIAN LASER
RESEARCH*. ISSN 1071-2836, 2020, vol. 41, no. 6, pp. 608-615., Registrované
v: WOS

9. [1.2] BEZDIDKO, O. V. - CHESHSKO, I. V. - KOSTIUK, D. M. - PROTSSENKO, S. I. Formation of ordered magnetic nanoparticles arrays using various obtaining techniques. In *Journal of Nano- and Electronic Physics*. ISSN 20776772, 2019-01-01, 11, 3, pp., Registrované v: SCOPUS
10. [1.2] KURILENKOV, YU.K.- SMETANIN, I.V.- OGINOV, A.V.- SAMOYLOV, I.S. X-ray trapping and bursts in a complex plasma of nanosecond vacuum discharge [Запирание и вспышки рентгеновского излучения в комплексной плазме наносекундного вакуумного разряда]. In *APPLIED PHYSICS*, 2020, vol. 5, pp. 23-32., Registrované v: Scopus
11. [1.2] NG, S. A. - RAZAK, K. A. - CHEONG, K. Y. - AW, K. C. Effect of template deposition method on formation of aumps in memory devices application. In *Solid State Phenomena*. ISSN 10120394, 2019-01-01, 290 SSP, pp. 67-74., Registrované v: SCOPUS
12. [1.2] NG, S.A.- RAZAK, K.A.- CHEONG, K.Y.- AW, K.C. Memory properties of Au nanoparticles prepared by tuning HAuCl_4 concentration using low-temperature hydrothermal reaction. (2016) *Thin Solid Films*, 615, p. 84-90. DOI: 10.1016/j.tsf.2016.05.003, Registrované v: Scopus

ADCA472 CHITU, Livia - CHUSHKIN, Jurij - LUBY, Štefan - MAJKOVÁ, Eva - ŠATKA, A. - IVAN, Jozef - SMRČOK, Ľubomír - BUCHAL, Antonín - GIERSIG, Michael - HILGENDORFF, M. Structure and self-assembling of Co nanoparticles. In *Materials Science and Engineering C - Biomimetic and Supramolecular Systems*, 2007, vol. 27, no. 1, p. 23-28. (2006: 1.325 - IF, Q2 - JCR, 0.720 - SJR, Q1 - SJR, Current Contents - CCC). (2007 - Current Contents, WOS, SCOPUS). ISSN 0928-4931. Dostupné na: <https://doi.org/10.1016/j.msec.2005.12.001>

Ohlasy:

1. [1.1] WU, Jiajing - TANG, Jiancheng - WEI, Xiaoxiao - YE, Nan - YU, Fangxin. Preparation process and mechanism of ultra-fine spherical cobalt powders by hydrogen reduction of calcium cobaltite. In *JOURNAL OF ALLOYS AND COMPOUNDS*. ISSN 0925-8388, 2017, vol. 726, no., pp. 1119-1123., Registrované v: WOS

ADCA473 CHITU, L. - JERGEL, Matej - MAJKOVÁ, Eva - LUBY, Štefan - CAPEK, Ignác - ŠATKA, A. - IVAN, Jozef - KOVÁČ, Jozef - TIMKO, Milan. Structure and magnetic properties of CoFe_2O_4 and Fe_3O_4 nanoparticles. In *Materials Science and Engineering C - Biomimetic and Supramolecular Systems*, 2007, vol. 27, no. 5-8, p. 1415-1417. (2006: 1.325 - IF, Q2 - JCR, 0.720 - SJR, Q1 - SJR, Current Contents - CCC). (2007 - Current Contents, WOS, SCOPUS). ISSN 0928-4931. Dostupné na: <https://doi.org/10.1016/j.msec.2006.07.036>

Ohlasy:

1. [1.1] BARANDIARAN, I. - GRANA, E. - KATSIGIANNOPOULOS, D. - AVGEROPOULOS, A. - KORTABERRIA, G. Nanocomposites based on nanostructured PI-b-PMMA copolymer and selectively placed PMMA-modified magnetic nanoparticles: Morphological and magnetic characterization. In *EUROPEAN POLYMER JOURNAL*. ISSN 0014-3057, 2016, vol. 75, no., pp. 514-524., Registrované v: WOS
2. [1.1] BRINZARI, Tatiana V. - RAJAN, Divya - FERREIRA, Caue F. - STOIAN, Sebastian A. - QUINTERO, Pedro A. - MEISEL, Mark W. - TALHAM, Daniel R. Light-induced magnetization changes in aggregated and isolated cobalt ferrite nanoparticles. In *JOURNAL OF APPLIED PHYSICS*.

- ISSN 0021-8979, 2018, vol. 124, no. 10, art. no. 103904., Registrované v: WOS
3. [1.1] PRIMADI, Thutug Rahardiant - SANTOSO, Aman - FAJAROH, Fauziatul. The Effect of SrO Impregnation on The Characteristics of Cobalt Ferrite (CoFe_2O_4) Nanoparticles Synthesized by Coprecipitation. In 2ND INTERNATIONAL CONFERENCE ON CHEMISTRY AND MATERIAL SCIENCE (IC2MS). ISSN 1757-8981, 2020, vol. 833, 012086., Registrované v: WOS
4. [1.1] TAVARES, Daniela S. - LOPES, Claudia B. - ALMEIDA, Joana C. - VALE, Carlos - PEREIRA, Eduarda - TRINDADE, Tito. Spinel-type ferrite nanoparticles for removal of arsenic(V) from water. In ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH. ISSN 0944-1344, 2020, vol. 27, no. 18, pp. 22523-22534., Registrované v: WOS
5. [1.1] TORRES, T.E. - LIMA, E. - MAYORAL, A. - IBARRA, A. - MARQUINA, C. - IBARRA, M.R. - GOYA, G.F. Validity of the Neel-Arrhenius model for highly anisotropic $\text{CoFe}_{3-x}\text{O}_4$ nanoparticles. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, NOV 14 2015, vol. 118, no. 18., Registrované v: WOS
6. [1.1] WILLIAMS, Brent - EL-GENDY, Ahmed A. - CARPENTER, Everett E. Exchange bias and enhanced anisotropy from exchange coupled $\text{Fe}_3\text{C}/\text{CoO}$ nanoaggregates. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2017, vol. 444, no., pp. 332-337., Registrované v: WOS
7. [1.2] XU, Ji Yang - WU, Xiao Yan - YU, Hong Bing. Modification of high infrared radiation materials doped with bentonite. In Rengong Jingti Xuebao/Journal of Synthetic Crystals. ISSN 1000985X, 2016-09-01, 45, 9, pp. 2222-2226., Registrované v: SCOPUS

ADCA474 CHUSHKIN, Jurij - JERGEL, Matej - LUBY, Štefan - MAJKOVÁ, Eva - OŽVOLD, Milan - KUWASAWA, Y. - OKAYASU, S. - D'ANNA, E. - LUCHES, A. - MARTINO, M. Giant magnetoresistance in evaporated nanometer scale Fe/W and Co/W multilayers. In *Applied Surface Science*, 2005, vol. 243, no. 1-4, p. 62-67. ISSN 0169-4332. Dostupné na: <https://doi.org/10.1016/j.apsusc.2004.08.031>

Ohlasy:

1. [1.1] MALONDA-BOUNGOU, B. R. - OKANA-LOMANGA, A. L. - MOUSSOUNDA, P. S. - et al. MAGNETIC PROPERTIES OF Fe DEPOSITED ON W(110) SURFACE: EFFECTS OF O CONTAMINATION AND O-2 ADSORPTION. In SURFACE REVIEW AND LETTERS. ISSN 0218-625X, 2017, vol. 24, no. 1, 1750009., Registrované v: WOS
2. [1.1] OKANA-LOMANGA, A. L. - MALONDA-BOUNGOU, B. R. - NGANTSO, G. Dimitri - RAJI, A. T. - M'PASSI-MABIALA, B. Adsorption of Br₂ molecule on the Fe / W (110) substrate: Energetics, electronic and magnetic properties. In COMPUTATIONAL CONDENSED MATTER. ISSN 2352-2143, 2020, vol. 23, e00465., Registrované v: WOS
3. [1.2] PROTSENKO, S. - CHESHKO, V. - VELYKODNYJ, D. V. - PAZUKHA, V. - ODNODVORETS, L. V. - PROTSENKO, Yu - SYNASHENKO, V. Structural-phase state, stability of interfaces and electrophysical properties of two-layer film systems. In Progress in Physics of Metals. ISSN 16081021, 2018-01-01, 8, 4, pp. 247-278., Registrované v: SCOPUS

ADCA475 IGA, H. - MIHALKOVIČ, Marek - ISHIMASA, T. Approximant of dodecagonal quasicrystal formed in Mn-Si-V alloy. In *Philosophical Magazine*, 2011, vol. 91, no. 19-21, p. 2624-2633. (2010: 1.304 - IF, Q1 - JCR, 1.031 - SJR, Q2 - SJR, Current Contents - CCC). (2011 - Current Contents). ISSN 1478-6435. Dostupné na: <https://doi.org/10.1080/14786435.2010.508448>

Ohlasy:

1. [1.1] CIOŚ, Grzegorz - NOLZE, Gert - WINKELMANN, Aimo - TOKARSKI, Tomasz - HIELSCHER, Ralf - STRZALKA, Radosław - BUGANSKI, Ireneusz - WOLNY, Janusz - BALA, Piotr. Approximant-based orientation determination of quasicrystals using electron backscatter diffraction. In *ULTRAMICROSCOPY*. ISSN 0304-3991, 2020, vol. 218, 113093., Registrované v: WOS
2. [1.1] DOTERA, Tomonari - BEKKU, Shinichi - ZIHERL, Primož. Bronze-mean hexagonal quasicrystal. In *NATURE MATERIALS*. ISSN 1476-1122, 2017, vol. 16, no. 10, pp. 987-+, Registrované v: WOS
3. [1.1] GIRZHON, V. V. - SMOLYAKOV, O. MODELLING OF LATTICES OF TWO-DIMENSIONAL QUASI-CRYSTALS. In *USPEKHI FIZIKI METALLOV-PROGRESS IN PHYSICS OF METALS*. ISSN 1608-1021, 2019, vol. 20, no. 4, pp. 551-583., Registrované v: WOS
4. [1.1] NAKAYAMA, Kei - KOMATSUZAKI, Takumi - KOYAMA, Yasumasa. Crystallographic features of the approximant H (Mn₇Si₂V) phase in the Mn-Si-V alloy system. In *PHILOSOPHICAL MAGAZINE*. ISSN 1478-6435, 2018, vol. 98, no. 20, pp. 1823-1847., Registrované v: WOS
5. [1.1] NAKAYAMA, Kei - KURIHARA, Daichi - KOYAMA, Yasumasa. Crystallographic Relationship between the ν (Mn₈₂Si₁₈) and H (Mn₇Si₂V) Phases in the Mn-Si-V Alloy System. In *MATERIALS TRANSACTIONS*. ISSN 1345-9678, 2018, vol. 59, no. 7, pp. 1051-1056., Registrované v: WOS
6. [1.1] SMOLYAKOV, A. V. - GIRZHON, V. V. Modeling of dodecagonal quasicrystal lattices. In *JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS*. ISSN 1063-7761, 2017, vol. 125, no. 3, pp. 443-450., Registrované v: WOS

ADCA476 IHARAGI, T. - GENDIAR, Andrej - UEDA, H. - NISHINO, T. Phase transition of the Ising model on a hyperbolic lattice. In *Journal of the Physical Society of Japan*, 2010, vol. 79, no. 10, 104001. (2009: 2.572 - IF, Q2 - JCR, 2.074 - SJR, Q1 - SJR, Current Contents - CCC). (2010 - Current Contents). ISSN 0031-9015. Dostupné na: <https://doi.org/10.1143/JPSJ.79.104001>

Ohlasy:

1. [1.1] ANANIKIAN, N. - ARTUSO, R. - POGHOSYAN, H. Superstable cycles and magnetization plateaus for antiferromagnetic spin-1 Ising and Ising-Heisenberg models on diamond chains. In *PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS*. ISSN 0378-4371, 2018, vol. 503, pp. 892-904., Registrované v: WOS
2. [1.1] BENEDETTI, Dario. Critical behavior in spherical and hyperbolic spaces. In *JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT*. ISSN 1742-5468, 2015, P01002., Registrované v: WOS
3. [1.1] MACCORMACK, Ian - LIU, Aike - NOZAKI, Masahiro - RYU, Shinsei. Holographic duals of inhomogeneous systems: the rainbow chain and the sine-square deformation model. In *JOURNAL OF PHYSICS*

ADCA477 ILLEKOVÁ, Emília - CUNAT, C. - KUHNAST, F.A. - AHAROUNE, A. - FLORIANI, J.M. Complex behavior of specific-heat during structural relaxation of Fe₇₃Co₁₂B₁₅ metallic-glass. In *Thermochimica Acta*, 1992, vol. 203, p. 445-455. (1991: 0.620 - IF, Current Contents - CCC). (1992 - Current Contents). ISSN 0040-6031. Dostupné na: [https://doi.org/10.1016/0040-6031\(92\)85215-H](https://doi.org/10.1016/0040-6031(92)85215-H)

Ohlasy:

1. [1.1] TOURNIER, Robert F. First-order transitions in glasses and melts induced by solid superclusters nucleated and melted by homogeneous nucleation instead of surface melting. In *CHEMICAL PHYSICS*. ISSN 0301-0104, 2019, vol. 524, pp. 40-54., Registrované v: WOS

ADCA478 ILLEKOVÁ, Emília - DUHAJ, Pavol - JERDEL, Matej. Direct control of medium range order in a Ni modified Finemet-type alloy. In *Journal of Non-Crystalline Solids*, 2001, vol. 287, no. 1-3, p. 167-170. (2000: 1.269 - IF, Current Contents - CCC). (2001 - Current Contents, SCOPUS). ISSN 0022-3093. Dostupné na: [https://doi.org/10.1016/S0022-3093\(01\)00552-X](https://doi.org/10.1016/S0022-3093(01)00552-X)

Ohlasy:

1. [1.1] TSEPELEV, V. S. - STARODUBTSEV, Yu N. - WU, K. M. Influence of Ni on crystallization and magnetic properties of Fe_{72.5-x}Ni_xCu₁Nb₂Mo_{1.5}Si₁₄B₉ alloys. In *JOURNAL OF CRYSTAL GROWTH*. ISSN 0022-0248, 2019, vol. 528, UNSP 125256., Registrované v: WOS

ADCA479 ILLEKOVÁ, Emília. FINEMET-type nanocrystallization kinetics. In *Thermochimica Acta*, 2002, vol. 387, no. 1, p. 47-56. ISSN 0040-6031. Dostupné na: [https://doi.org/10.1016/S0040-6031\(01\)00822-X](https://doi.org/10.1016/S0040-6031(01)00822-X)

Ohlasy:

1. [1.1] BUTVINOVA, B. - BUTVIN, P. - BROZKA, K. - KUZMINSKI, M. - MATKO, I. - SVEC, P. - CHROMCIKOVA, M. Effects of surface crystallization and oxidation in nanocrystalline FeNbCuSiB(P) ribbons. In *JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS*. ISSN 0304-8853, 2017, vol. 424, pp. 233-237., Registrované v: WOS
2. [1.1] JANOTOVA, Irena - ZIGO, Juraj - SVEC, Peter - MATKO, Igor - JANICKOVIC, Dusan - SVEC, Peter. Crystallization in Rapidly Quenched Fe-B-Si System with Additions of C and Cu. In *MATERIALS RESEARCH-IBERO-AMERICAN JOURNAL OF MATERIALS*. ISSN 1516-1439, 2015, vol. 18, pp. 136., Registrované v: WOS
3. [1.1] JANOTOVA, I. - ZIGO, J. - SVEC, P. - MATKO, I. - JANICKOVIC, D. - SVEC, P. Analysis of phase transformations in Fe-(Co)-B-Si-(P). In *JOURNAL OF ALLOYS AND COMPOUNDS*. ISSN 0925-8388, 2015, vol. 643, pp. S265-S269., Registrované v: WOS
4. [1.1] JIANG, Dehui - ZHOU, Bingwen - JIANG, Boyu - et al. Study on soft magnetic properties of Finemet-type nanocrystalline alloys with Mo substituting for Nb. In *PHYSICA STATUS SOLIDI A-APPLICATIONS AND MATERIALS SCIENCE*. ISSN 1862-6300, 2017, vol. 214, no. 10, 1700074., Registrované v: WOS
5. [1.1] LU, Shuaidan - SUN, Shuchen - LI, Kuanhe - LI, Haiyang -

HUANG, Xiaoxiao - TU, Ganfeng. The effect of Y addition on the crystallization behaviors of Zr-Cu-Ni-Al bulk metallic glasses. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2019, vol. 799, pp. 501-512., Registrované v: WOS

6. [1.1] MANCHON-GORDON, A. F. - BLAZQUEZ, J. S. - CONDE, C. F. - CONDE, A. Nanocrystallization kinetics understood as multiple microprocesses following the classical theory of crystallization. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2016, vol. 675, pp. 81-85., Registrované v: WOS

7. [1.1] SESTAK, Jaroslav - HOLBA, Pavel. Imperfections of Kissinger Evaluation Method and the Explanation of Crystallization Kinetics of Glasses and Melts. In THERMAL PHYSICS AND THERMAL ANALYSIS: FROM MACRO TO MICRO, HIGHLIGHTING THERMODYNAMICS, KINETICS AND NANOMATERIALS, 2017, vol. 11, pp. 213-236., Registrované v: WOS

8. [1.1] SESTAK, J. The quandary aspects of non-isothermal kinetics. In THERMOCHIMICA ACTA, 2015, VOL. 611, p. 26-35., Registrované v: WOS

9. [1.1] WANG, X. - PANG, J. - GUO, L. Y. - MA, H. J. - KIM, K. B. - WANG, W. M. Thermal analysis of directional pressure annealed Fe₇₈Si₉B₁₃ amorphous ribbons. In THERMOCHIMICA ACTA. ISSN 0040-6031, 2018, vol. 661, pp. 67-77., Registrované v: WOS

10. [1.1] YANG, Xiaoshan - CUI, Xiufang - JIN, Guo - LIU, Jinna - CHEN, Yanbo - LIU, Zhe. Soft magnetic property of (Fe₆₀Co₃₅Ni₅)(₇₈)Si₆B₁₂Cu₁Mo₃ alloys by laser additive manufacturing. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2018, vol. 466, pp. 75-80., Registrované v: WOS

11. [1.1] YANG, Xiaoshan - LIU, Jinna - CUI, Xiufang - JIN, Guo - LIU, Zhe - CHEN, Yanbo - FENG, Xiangru. Effect of remelting on microstructure and magnetic properties of Fe-Co-based alloys produced by laser additive manufacturing. In JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS. ISSN 0022-3697, 2019, vol. 130, pp. 210-216., Registrované v: WOS

12. [1.1] ZHUANG, Y. X. - WANG, W. B. - HAN, B. T. - WANG, Z. M. - XING, P. F. Crystallization behavior of Fe₈₄B₁₀C₆ amorphous alloy under high magnetic field. In JOURNAL OF NON-CRYSTALLINE SOLIDS. ISSN 0022-3093, 2016, vol. 432, pp. 200-207., Registrované v: WOS

13. [1.1] ZHU, Qianke - CHEN, Zhe - ZHANG, Shuling - LI, Qiushu - ZHANG, Kewei. Microstructure and magnetic properties of Fe₇₉-x₂₀Nb_xCu₁ fibers with annealing. In VACUUM. ISSN 0042-207X, 2018, vol. 154, pp. 154-158., Registrované v: WOS

ADCA480 ILLEKOVÁ, Emília - DUHAJ, Pavol - MRAFKO, Peter - ŠVEC, Peter.

Influence of Pd on crystallization of Al-Ni-Sm-based ribbons. In *Journal of Alloys and Compounds*, 2009, vol. 483, no. 1-2, p. 20-23. (2008: 1.510 - IF, Q1 - JCR, 0.888 - SJR, Q1 - SJR, Current Contents - CCC). (2009 - Current Contents, WOS, SCOPUS). ISSN 0925-8388. Dostupné na:

<https://doi.org/10.1016/j.jallcom.2008.08.106>

Ohlasy:

1. [1.1] ANGHELUȘ, Adrian - AVETTAND-FENOEL, Marie-Noelle - CORDIER, Catherine - TAILLARD, Roland. Thermal crystallization of an Al₈₈Ni₆Sm₆ metallic glass. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2015, vol. 651, pp. 454-464., Registrované v: WOS

2. [1.1] CUEVAS, Francisco G. - LOZANO-PEREZ, Sergio - MARIA ARANDA, Rosa - ASTACIO, Raquel. Crystallization Process and Microstructural Evolution of Melt Spun Al-RE-Ni-(Cu) Ribbons. In METALS, 2020, vol. 10, no. 4, 443., Registrované v: WOS
3. [1.1] CUEVAS, F. G. - LOZANO-PEREZ, S. - ARANDA, R. M. - CABALLERO, E. S. Crystallisation of amorphous Al-Sm-Ni-(Cu) alloys. In INTERMETALLICS. ISSN 0966-9795, 2019, vol. 112, UNSP 106537., Registrované v: WOS
4. [1.1] JIANG, Yi-Hui - LIU, Feng - HUANG, Kai - LIANG, Shu-Hua. Applying Vogel-Fulcher-Tammann relationship in crystallization kinetics of amorphous alloys. In THERMOCHIMICA ACTA. ISSN 0040-6031, 2015, vol. 607, pp. 9-18., Registrované v: WOS

ADCA481 ILLEKOVÁ, Emília - JANIČKOVIČ, Dušan - MIGLIERINI, Marcel - ŠKORVÁNEK, Ivan - ŠVEC, Peter. Influence of Fe/B ratio on thermodynamic properties of amorphous Fe-Mo-Cu-B. In *Journal of Magnetism and Magnetic Materials*, 2006, vol. 304, no. 2, p. E636-E638. (2005: 0.985 - IF, Q2 - JCR, 0.699 - SJR, Q2 - SJR, Current Contents - CCC). (2006 - Current Contents, WOS, SCOPUS). ISSN 0304-8853. Dostupné na: <https://doi.org/10.1016/j.jmmm.2006.02.212>

Ohlasy:

1. [1.1] LAN, Song - WILLARD, Matthew A. Structural, thermal, and magnetic properties of Fe(7)(9)Mo(x)B(20)(-x)Cu(1) magnetic amorphous and nanocrystalline alloys. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2020, vol. 496, 165952., Registrované v: WOS
2. [1.1] PROCHAZKA, V. - VRBA, V. - SMRČKA, D. - RUEFFER, R. - MATUS, P. - MASLAN, M. - MIGLIERINI, M. B. Structural transformation of NANOPERM-type metallic glasses followed in situ by synchrotron radiation during thermal annealing in external magnetic field. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2015, vol. 638, pp. 398-404., Registrované v: WOS

ADCA482 ILLEKOVÁ, Emília - AMBROVIČ, Peter - CSOMOROVÁ, Katarína. Investigation of structural relaxation of Fe₈₅B₁₅ amorphous metallic alloy by thermomagnetization. In *Journal of Thermal Analysis and Calorimetry*, 1987, vol. 32, no. 1, p. 9-16. ISSN 1388-6150.

Ohlasy:

1. [1.1] SULCOVA, Petra - SESTAK, Jaroslav - MENYHARD, Alfred - LIPTAY, George. Some historical aspects of thermal analysis on the mid-European territory. In JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY. ISSN 1388-6150, 2015, vol. 120, no. 1, pp. 239-254., Registrované v: WOS

ADCA483 ILLEKOVÁ, Emília - CSOMOROVÁ, Katarína. Kinetics of oxidation in various forms of carbon. In *Journal of Thermal Analysis and Calorimetry*, 2005, vol. 80, no. 1, p. 103-108. ISSN 1388-6150. Dostupné na: <https://doi.org/10.1007/s10973-005-0620-y>

Ohlasy:

1. [1.1] ALBESA, Alberto G. - RAFTI, Matias - LUIS VICENTE, Jose. DESCRIPTION OF CHEMICALLY AND THERMALLY TREATED

MULTI-WALLED CARBON NANOTUBES USING SEQUENTIAL DECOMPOSITION OF ADSORPTION ISOTHERMS. In SURFACE REVIEW AND LETTERS. ISSN 0218-625X, 2016, vol. 23, no. 4, 1650025., Registrované v: WOS

2. [1.1] BANNOV, Alexander G. - POPOV, Maxim V. - KURMASHOV, Pavel B. Thermal analysis of carbon nanomaterials: advantages and problems of interpretation. In JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY. ISSN 1388-6150, 2020, vol. 142, no. 1, pp. 349-370., Registrované v: WOS

3. [1.1] BIEMOLT, Jasper - ROTHENBERG, Gadi - YAN, Ning. Understanding the roles of amorphous domains and oxygen-containing groups of nitrogen-doped carbon in oxygen reduction catalysis: toward superior activity. In INORGANIC CHEMISTRY FRONTIERS. ISSN 2052-1553, 2020, vol. 7, no. 1, pp. 177-185., Registrované v: WOS

4. [1.1] BRADAC, Carlo - OSSWALD, Sebastian. Effect of structure and composition of nanodiamond powders on thermal stability and oxidation kinetics. In CARBON. ISSN 0008-6223, 2018, vol. 132, pp. 616-622., Registrované v: WOS

5. [1.1] DEY, Atanu - CHAKRABARTI, Omprakash. Investigation on synthesis of cordierite bonded porous SiC ceramics with emphasis on bond phase formation. In MATERIALS CHEMISTRY AND PHYSICS. ISSN 0254-0584, 2019, vol. 222, pp. 275-285., Registrované v: WOS

6. [1.1] DEY, Atanu - KAYAL, Nijhuma - INNOCENTINI, Murilo D. M. - et al. Investigation on sacrificial pore former removal and mullite binder phase transformation in powder formulations used for preparation of oxide bonded porous SiC ceramics. In CERAMICS INTERNATIONAL. ISSN 0272-8842, 2017, vol. 43, no. 12, pp. 9416-9423., Registrované v: WOS

7. [1.1] GUAN, Wenhao - PAN, Bin - ZHOU, Peng - et al. A High Capacity, Good Safety and Low Cost Na₂FeSiO₄-Based Cathode for Rechargeable Sodium-Ion Battery. In ACS APPLIED MATERIALS & INTERFACES. ISSN 1944-8244, 2017, vol. 9, no. 27, pp. 22369-22377., Registrované v: WOS

8. [1.1] LUISA GARCIA-BETANCOURT, Maria - LUIS FAJARDO-DIAZ, Juan - GALINDO, Rosario - FUENTES-RAMIREZ, Rosalba - LOPEZ-URIAS, Florentino - MUNOZ-SANDOVAL, Emilio. Holey nitrogendoped multiwalled carbon nanotubes from extended air oxidation at lowtemperature. In APPLIED SURFACE SCIENCE. ISSN 0169-4332, 2020, vol. 524, 146546., Registrované v: WOS

9. [1.1] MAJLING, Jan - KREMNICAN, Vladimir - KOVAR, Vladimir - et al. Recognition of the carbon thin films sub-structures: thermo-optical measurements. In CHEMICAL PAPERS. ISSN 0366-6352, 2017, vol. 71, no. 11, pp. 2167-2171., Registrované v: WOS

10. [1.1] MISHRA, Anupama - PRASAD, R. Catalysis and kinetics of diesel soot oxidation over nano-size perovskite catalyst. In CLEAN TECHNOLOGIES AND ENVIRONMENTAL POLICY. ISSN 1618-954X, 2017, vol. 19, no. 10, pp. 2405-2416., Registrované v: WOS

11. [1.1] PANIC, S. - KISS, E. - BOSKOVIC, G. Thermal decomposition kinetics of carbon nanotubes-the application of model-fitting methods. In REACTION KINETICS MECHANISMS AND CATALYSIS. ISSN 1878-5190, 2015, vol. 115, no. 1, pp. 93-104., Registrované v: WOS

12. [1.1] PICHEAU, Emmanuel - HOF, Ferdinand - DERRE, Alain - DAFFOS, Barbara - PENICAUD, Alain. Thermal Oxidation of Carbonaceous Nanomaterials Revisited: Evidence of Mechanism Changes. In ANGEWANDTE CHEMIE-INTERNATIONAL EDITION. ISSN 1433-7851, 2019, vol. 58, no. 45, pp. 16013-16017., Registrované v: WOS
13. [1.1] SAYYEDAN, F. S. - ENAYATI, M. H. - HASHEMPOUR, M. - VICENZO, A. - BESTETTI, M. Synthesis and characterization of sol-gel derived non-stoichiometric aluminum phosphate coating. In SURFACE & COATINGS TECHNOLOGY. ISSN 0257-8972, 2018, vol. 351, pp. 128-135., Registrované v: WOS
14. [1.1] TAO, J.J. - CHEN, S. - YAO, F.Q. - WANG, H.H. A Study of Plant Char Oxidation: the Parallel Reactions and Their Chemical Kinetics. In ACTA CHIMICA SINICA. ISSN 0567-7351, JAN 15 2016, vol. 74, no. 1, p. 81-88., Registrované v: WOS
15. [1.1] WANG, Fucheng - ZHAO, Lei - FANG, Wei - HE, Xuan - LIANG, Feng - CHEN, Hui - CHEN, Huan - DU, Xing. Preparation of Organic/Inorganic Composite Phenolic Resin and Application in Al₂O₃-C Refractories. In INTERNATIONAL JOURNAL OF APPLIED CERAMIC TECHNOLOGY. ISSN 1546-542X, 2016, vol. 13, no. 1, pp. 133-139., Registrované v: WOS
16. [1.1] WANG, Q. - LI, Y. - LIAO, N. - et al. Synthesis of boron and nitrogen-doped expanded graphite as efficient reinforcement for Al₂O₃-C refractories. In CERAMICS INTERNATIONAL. ISSN 0272-8842, 2017, vol. 43, no. 18, pp. 16710-16721., Registrované v: WOS
17. [1.1] WANG, T. - SANG, S. - LI, Y. - XU, Y. - WANG, Q. Microstructure and Properties of Carbon Block Refractories Containing Thermally Oxidized Anthracite for Blast Furnaces. In JOURNAL OF CERAMIC SCIENCE AND TECHNOLOGY. ISSN 2190-9385, 2018, vol. 9, no. 1, pp. 85-91., Registrované v: WOS
18. [1.1] WU, Yuan - CHEN, Guorong - WANG, Zhuyi - ZHAO, Yin - SHI, Liyi - ZHU, Jiefang - ZHANG, Meihong - JIA, Rongrong - YUAN, Shuai. In situ constructed Ag/C conductive network enhancing the C-rate performance of Si based anode. In JOURNAL OF ENERGY STORAGE. ISSN 2352-152X, 2018, vol. 17, pp. 102-108., Registrované v: WOS
19. [1.2] BIEMOLT, J.- ROTHENBERG, G.- YAN, N. Understanding the roles of amorphous domains and oxygen-containing groups of nitrogen-doped carbon in oxygen reduction catalysis: Toward superior activity. IN Inorganic Chemistry Frontiers. ISSN 2052155, 2019, vol. 7, no 1, p. 177-185., Registrované v: Scopus
20. [1.2] OSSWALD, Sebastian - ETZOLD, Bastian J.M. Oxidation and purification of carbon nanostructures. In Nanomaterials Handbook, Second Edition, 2017-01-01, pp. 467-506., Registrované v: SCOPUS
21. [1.2] WANG, T.- LI, Y.- SANG, S.- XU, Y.- WANG, Q. Impact of the Addition of Thermo-activated Graphite Flake on the Microstructure and Properties of Carbon Blocks for Blast Furnace. IN Cailiao Daobao/Materials Reports, 2019, vol. 33, no. 6, p. 1831-1835., Registrované v: Scopus

ADCA484 ILLEKOVÁ, Emília - GACHON, J.C. - ROGACHEV, A. - GRIGORYAN, H. - SCHUSTER, J.C. - NOSYREV, A. - TSYGANKOV, P. Kinetics of intermetallic phase formation in the Ti/Al multilayers. In *Thermochimica Acta*, 2008, vol. 469,

no. 1-2, p. 77-85. (2007: 1.562 - IF, Q3 - JCR, 0.799 - SJR, Q1 - SJR, Current Contents - CCC). (2008 - Current Contents). ISSN 0040-6031. Dostupné na: <https://doi.org/10.1016/j.tca.2007.12.011>

Ohlasy:

1. [1.1] ABOULFADL, Hisham - GALLINO, Isabella - BUSCH, Ralf - MUECKLICH, Frank. Atomic scale analysis of phase formation and diffusion kinetics in Ag/Al multilayer thin films. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2016, vol. 120, no. 19, 195306., Registrované v: WOS
2. [1.1] AWAD, A. S. - MERHEB, D. - ZAKHOUR, M. - NAKHL, M. - BOBET, J.L. Rapid and direct reactive synthesis of Ti-Al intermetallics by microwave heating of TiH₂ and Al powder without microwave susceptor. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2017, vol. 720, pp. 182-186., Registrované v: WOS
3. [1.1] CAVALEIRO, A. J. - RAMOS, A. S. - MARTINS, R. M. S. - et al. The effect of heating rate on the phase transformation of Ni/Ti multilayer thin films. In VACUUM. ISSN 0042-207X, 2017, vol. 139, pp. 23-25., Registrované v: WOS
4. [1.1] EMADINIA, O. - SIMOES, S. - VIANA, F. - VIEIRA, M. F. - CAVALEIRO, A. J. - RAMOS, A. S. - VIEIRA, M. T. Cold rolled versus sputtered Ni/Ti multilayers for reaction-assisted diffusion bonding. In WELDING IN THE WORLD. ISSN 0043-2288, 2016, vol. 60, no. 2, pp. 337-344., Registrované v: WOS
5. [1.1] FILIMONOV, V. Yu - LOGINOVA, M. - IVANOV, S. G. - SITNIKOV, A. A. - YAKOVLEV, V. - SOBACHKIN, A. - NEGODYAEV, A. Z. - MYASNIKOV, A. Y. U. - TOLOCHKO, B. P. - SHARAFUTDINOV, M. R. Dynamics of structure formation processes in mechanically activated powder mixture Ti plus Al under conditions of continuous heating. High temperature stage. In MATERIALS CHEMISTRY AND PHYSICS. ISSN 0254-0584, 2020, vol. 243, 122611., Registrované v: WOS
6. [1.1] FOADIAN, Farzad - SOLTANIEH, Mansour - ADELI, Mandana - ETMINANBAKHS, Majid. The Kinetics of TiAl₃ Formation in Explosively Welded Ti-Al Multilayers During Heat Treatment. In METALLURGICAL AND MATERIALS TRANSACTIONS B-PROCESS METALLURGY AND MATERIALS PROCESSING SCIENCE. ISSN 1073-5615, 2016, vol. 47, no. 5, pp. 2931-2937., Registrované v: WOS
7. [1.1] KAR, Amlan - KAILAS, Satish - SUWAS, Satyam. Formation sequence of intermetallics and kinetics of reaction layer growth during solid state reaction between titanium and aluminum. In MATERIALIA. ISSN 2589-1529, 2020, vol. 11, 100702., Registrované v: WOS
8. [1.1] KAR, Amlan - SUWAS, Satyam - KAILAS, Satish V. Multi-Length Scale Characterization of Microstructure Evolution and Its Consequence on Mechanical Properties in Dissimilar Friction Stir Welding of Titanium to Aluminum. In METALLURGICAL AND MATERIALS TRANSACTIONS A-PHYSICAL METALLURGY AND MATERIALS SCIENCE. ISSN 1073-5623, 2019, vol. 50A, no. 11, pp. 5153-5173., Registrované v: WOS
9. [1.1] LOGINOVA, Marina - SOBACHKIN, Alexey - SITNIKOV, Alexander - YAKOVLEV, Vladimir - FILIMONOV, Valeriy - MYASNIKOV, Andrey - SHARAFUTDINOV, Marat - TOLOCHKO, Boris - GRADOBOEV, Alexander. Synchrotron in situ studies of mechanical activation treatment and

- gamma-radiation impact on structural-phase transitions and high-temperature synthesis parameters during the formation of gamma-(TiAl) compound. In JOURNAL OF SYNCHROTRON RADIATION. ISSN 0909-0495, 2019, vol. 26, pp. 1671-1678., Registrované v: WOS
10. [1.1] MA, Ying - LI, Hong - YANG, Linpai - HU, Anming. Microstructures and Reaction Properties of Ti/Ni, Ti/Al and Ni/Al Multilayer Films. In JOURNAL OF NANO RESEARCH. ISSN 1662-5250, 2018, vol. 54, pp. 22-34., Registrované v: WOS
11. [1.1] MORGIEL, Jerzy - MARSZALEK, Konstanty - POMORSKA, Malgorzata - MAJ, Lukasz - MANIA, Ryszard - KANAK, Jaroslaw - RUTKOWSKI, Pawei. In situ TEM observation of reaction of Ti/Al multilayers. In ARCHIVES OF CIVIL AND MECHANICAL ENGINEERING. ISSN 1644-9665, 2017, vol. 17, no. 1, pp. 188-198., Registrované v: WOS
12. [1.1] MUKASYAN, A. S. - SHUCK, C. E. Kinetics of SHS Reactions: A Review. In INTERNATIONAL JOURNAL OF SELF-PROPAGATING HIGH-TEMPERATURE SYNTHESIS. ISSN 1061-3862, 2017, vol. 26, no. 3, pp. 145-165., Registrované v: WOS
13. [1.1] SEIFERT, Marietta - LATTNER, Eric - MENZEL, Siegfried B. - OSWALD, Steffen - GEMMING, Thomas. Phase Formation and High-Temperature Stability of Very Thin Co-Sputtered Ti-Al and Multilayered Ti/Al Films on Thermally Oxidized Si Substrates. In MATERIALS, 2020, vol. 13, no. 9, 2039., Registrované v: WOS
14. [1.1] SEN, Seema - LAKE, Markus - WILDEN, Johannes - et al. Synthesis and characterization of Ti/Al reactive multilayer films with various molar ratios. In THIN SOLID FILMS. ISSN 0040-6090, 2017, vol. 631, pp. 99-105., Registrované v: WOS
15. [1.1] TLOTLENG, Monnamme - MASINA, Bathusile - PITYANA, Sisa. Characteristics of laser In-situ alloyed titanium aluminides coatings. In INTERNATIONAL CONFERENCE ON SUSTAINABLE MATERIALS PROCESSING AND MANUFACTURING (SMPM 2017). ISSN 2351-9789, 2016, vol. 7, pp. 39-45., Registrované v: WOS

ADCA485 ILLEKOVÁ, Emília - ABA, B. - KUHNAST, F.A. Measurements of accurate specific-heats of metallic glasses by differential scanning calorimetry (DSC). In *Thermochimica Acta*, 1992, vol. 195, p. 195-209. (1991: 0.620 - IF, Current Contents - CCC). (1992 - Current Contents). ISSN 0040-6031. Dostupné na: [https://doi.org/10.1016/0040-6031\(92\)80063-3](https://doi.org/10.1016/0040-6031(92)80063-3)

Ohlasy:

1. [1.1] DELOBELLE, V. - FAVIER, D. - LOUCHE, H. - CONNESSON, N. Determination of Local Thermophysical Properties and Heat of Transition from Thermal Fields Measurement During Drop Calorimetric Experiment. In EXPERIMENTAL MECHANICS. ISSN 0014-4851, 2015, vol. 55, no. 4, pp. 711., Registrované v: WOS

ADCA486 ILLEKOVÁ, Emília. On the various activation-energies at crystallization of amorphous metallic materials. In *Journal of Non-Crystalline Solids*, 1984, vol. 68, no. 1, p. 153-156. ISSN 0022-3093. Dostupné na: [https://doi.org/10.1016/0022-3093\(84\)90042-5](https://doi.org/10.1016/0022-3093(84)90042-5)

Ohlasy:

1. [1.1] KIM, Woo-Chul - KIM, Yong-Joo - KIM, Yeong-Seong -

- HYUN, Jae-Ik - HONG, Sung-Hwan - KIM, Won-Tae - KIM, Do-Hyang. Enhancement of superelastic property in Ti-Zr-Ni-Cu alloy by using glass alloy precursor with high glass forming ability. In ACTA MATERIALIA. ISSN 1359-6454, 2019, vol. 173, pp. 130-141., Registrované v: WOS
2. [1.1] KIM, Yeong-Seong - KIM, Woo-Chul - KIM, Won-Tae - KIM, Do-Hyang. Improvement of Thermoplastic Forming Ability of Ti-Zr-Ni-Cu Metallic Glass by Addition of Sn. In METALS AND MATERIALS INTERNATIONAL. ISSN 1598-9623, 2019, vol., no., pp., Registrované v: WOS
3. [1.1] SESTAK, Jaroslav - HOLBA, Pavel. Imperfections of Kissinger Evaluation Method and the Explanation of Crystallization Kinetics of Glasses and Melts. In THERMAL PHYSICS AND THERMAL ANALYSIS: FROM MACRO TO MICRO, HIGHLIGHTING THERMODYNAMICS, KINETICS AND NANOMATERIALS, 2017, vol. 11, pp. 213-236., Registrované v: WOS

ADCA487 ILLEKOVÁ, Emília - HARNÚŠKOVÁ, Jana - FLOREK, Roman - SIMANČÍK, František - MAŤKO, Igor - ŠVEC, Peter. Peculiarities of TiH₂ decomposition. In *Journal of Thermal Analysis and Calorimetry*, 2011, vol. 105, no. 2, p. 583-590. (2010: 1.752 - IF, Q3 - JCR, 0.474 - SJR, Q3 - SJR, Current Contents - CCC). (2011 - Current Contents). ISSN 1388-6150. Dostupné na: <https://doi.org/10.1007/s10973-010-1232-8>

Ohlasy:

1. [1.1] BASSANI, P. - BASSANI, E. - CODURI, M. - GIULIANI, P. - TUISSI, A. - ZANOTTI, C. Influence of TiHX addition on SHS porous shape memory alloy. In MATERIALS TODAY-PROCEEDINGS. ISSN 2214-7853, 2015, vol. 2, pp. 715-718., Registrované v: WOS
2. [1.1] HANGAI, Yoshihiko - MATSUSHITA, Hayato - SUZUKI, Ryosuke - KOYAMA, Shinji - AMAGAI, Kenji - NAGAHIRO, Ryohei - UTSUNOMIYA, Takao - MATSUBARA, Masaaki - YOSHIKAWA, Nobuhiro. Refoaming of deformed aluminum foam by precursor foaming process. In JOURNAL OF POROUS MATERIALS. ISSN 1380-2224, 2019, vol. 26, no. 4, pp. 1149-1155., Registrované v: WOS
3. [1.1] HANGAI, Yoshihiko - KOBAYASHI, Ryusei - SUZUKI, Ryosuke - MATSUBARA, Masaaki - YOSHIKAWA, Nobuhiro. Aluminum Foam-Filled Steel Tube Fabricated from Aluminum Burrs of Die-Castings by Friction Stir Back Extrusion. In METALS, 2019, vol. 9, no. 2, 124., Registrované v: WOS
4. [1.1] HANGAI, Yoshihiko - KAWATO, Daisuke - ANDO, Mizuki - OHASHI, Masataka - MORISADA, Yoshiaki - OGURA, Takuya - FUJII, Hidetoshi - NAGAHIRO, Ryohei - AMAGAI, Kenji - UTSUNOMIYA, Takao - YOSHIKAWA, Nobuhiro. Nondestructive observation of pores during press forming of aluminum foam by X-ray radiography. In MATERIALS CHARACTERIZATION. ISSN 1044-5803, 2020, vol. 170, 110631., Registrované v: WOS
5. [1.1] CHEN, Gang - LISS, Klaus D. - AUCHTERLONIE, Graeme - et al. Dehydrogenation and Sintering of TiH₂: An In Situ Study. In METALLURGICAL AND MATERIALS TRANSACTIONS A-PHYSICAL METALLURGY AND MATERIALS SCIENCE. ISSN 1073-5623, 2017, vol. 48A, no. 6, pp. 2949-2959., Registrované v: WOS
6. [1.1] ILIESCU, I. - SKRYABINA, N. - FRUCHART, D. - BES, A. - RIVOIRARD, S. - DE RANGO, P. - LACOSTE, A. Dehydrogenation process

and thermal stability of Mg-Ti-H films in-situ hydrogenated by microwave reactive plasma-assisted co-sputtering technique. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2018, vol. 768, pp. 157-165.,

Registrované v: WOS

7. [1.1] MARINESCU, Cornelia - SOFRONIA, Ancuta - ANGHEL, Elena M. - BAIES, Radu - CONSTANTIN, Daniel - SECIU, Ana-Maria - GINGU, Oana - TANASESCU, Speranta. Microstructure, stability and biocompatibility of hydroxyapatite titania nanocomposites formed by two step sintering process. In ARABIAN JOURNAL OF CHEMISTRY. ISSN 1878-5352, 2019, vol. 12, no. 6, pp. 857-867., Registrované v: WOS

8. [1.1] MA, Mingwang - LIANG, Li - WANG, Lei - WANG, Yuan - CHENG, Yanlin - TANG, Binghua - XIANG, Wei - TAN, Xiaohua. Phase transformations of titanium hydride in thermal desorption process with different heating rates. In INTERNATIONAL JOURNAL OF HYDROGEN ENERGY. ISSN 0360-3199, 2015, vol. 40, no. 29, pp. 8926., Registrované v: WOS

9. [1.1] MA, Mingwang - WANG, Lei - WANG, Yuan - et al. Effect of hydrogen content on hydrogen desorption kinetics of titanium hydride. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2017, vol. 709, pp. 445-452., Registrované v: WOS

10. [1.1] PENG, Qin - YANG, Bin - FRIEDRICH, Bernd. Porous Titanium Parts Fabricated by Sintering of TiH₂ and Ti Powder Mixtures. In JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE. ISSN 1059-9495, 2018, vol. 27, no. 1, pp. 228-242., Registrované v: WOS

11. [1.1] YOSHIMATSU, Kohei - SUZUKI, Takayuki - TSUCHIMINE, Nobuo - HORIBA, Koji - KUMIGASHIRA, Hiroshi - OSHIMA, Takayoshi - OHTOMO, Akira. Direct growth of metallic TiH₂ thin films by pulsed laser deposition. In APPLIED PHYSICS EXPRESS. ISSN 1882-0778, 2015, vol. 8, no. 3, 035801., Registrované v: WOS

12. [1.1] YOUNG, Gregory - JIAN, Guoqiang - JACOB, Rohit - ZACHARIAH, Michael R. DECOMPOSITION AND IGNITION CHARACTERISTICS OF TITANIUM HYDRIDE AT HIGH HEATING RATES. In COMBUSTION SCIENCE AND TECHNOLOGY. ISSN 0010-2202, 2015, vol. 187, no. 8, pp. 1182., Registrované v: WOS

ADCA488 ILLEKOVÁ, Emília. Review of structural relaxation models with the mutual correlation of their activation enthalpies. In *International Journal of Rapid Solidification*, 1994, vol. 8, no. 3, p. 195-224. (1993: 0.839 - IF). ISSN 0265-0916. Ohlasy:

1. [1.1] KOZMIDIS-PETROVIC, Ana - SESTAK, Jaroslav. Glass transition temperature its exploitation and new conception of fragility. In PHYSICS AND CHEMISTRY OF GLASSES-EUROPEAN JOURNAL OF GLASS SCIENCE AND TECHNOLOGY PART B. ISSN 1753-3562, 2018, vol. 59, no. 6, pp. 259-266., Registrované v: WOS

ADCA489 ILLEKOVÁ, Emília - MIKLOŠOVIČOVÁ, M. - ŠAUŠA, Ondrej - BEREK, Dušan. Solidification and melting of cetane confined in the nanopores of silica gel. In *Journal of Thermal Analysis and Calorimetry*, 2012, vol. 108, no. 2, p. 497-503. (2011: 1.604 - IF, Q3 - JCR, 0.532 - SJR, Q2 - SJR). ISSN 1388-6150. Dostupné na: <https://doi.org/10.1007/s10973-011-2113-5>

Ohlasy:

1. [1.1] PALLAKA, M.R. - UNRUH, D.K. - SIMON, S.L. Melting behavior of n-alkanes in anodic aluminum oxide (AAO) nanopores using Flash differential scanning calorimetry. In *THERMOCHIMICA ACTA*. ISSN 0040-6031, MAY 10 2018, vol. 663, p. 157-164., Registrované v: WOS
2. [1.1] ZHANG, Shengchang - CHEN, Yuan - CAMPAGNE, Christine - SALAUN, Fabien. Influence of a Coaxial Electrospraying System on the n-Hexadecane/Polycaprolactone Phase Change Microcapsules Properties. In *MATERIALS*, 2020, vol. 13, no. 9, 2205., Registrované v: WOS

ADCA490 ILLEKOVÁ, Emília - MALIZIA, F. - RONCONI, F. The complex DSC analysis of the first crystallization peak of Fe₈₀Si₄₀B₁₀ metallic glass. In *Thermochimica Acta*, 1996, vol. 283, p. 91-100. ISSN 0040-6031. Dostupné na: [https://doi.org/10.1016/0040-6031\(96\)02881-X](https://doi.org/10.1016/0040-6031(96)02881-X)

Ohlasy:

1. [1.1] GAO, Qian - JIAN, Zengyun. Kinetics study on non-isothermal crystallization of Cu₅₀Zr₅₀ metallic glass. In *TRANSACTIONS OF THE INDIAN INSTITUTE OF METALS*. ISSN 0972-2815, 2017, vol. 70, no. 7, pp. 1879-1885., Registrované v: WOS
2. [1.1] SESTAK, Jaroslav. The quandary aspects of non-isothermal kinetics beyond the ICTAC kinetic committee recommendations. In *THERMOCHIMICA ACTA*. ISSN 0040-6031, 2015, vol. 611, pp. 26-35., Registrované v: WOS

ADCA491 ILLEKOVÁ, Emília - MAŤKO, Igor - DUHAJ, Pavol - KUHNAST, F.A. The complex characteristics of crystallization of the Fe₇₅Si₁₅B₁₀ glassy ribbon. In *Journal of Materials Science*, 1997, vol. 32, no. 17, p. 4645-4654. (1996: 1.750 - IF, Current Contents - CCC). (1997 - Current Contents). ISSN 0022-2461. Dostupné na: <https://doi.org/10.1023/A:1018650107554>

Ohlasy:

1. [1.1] GUAN, Tong - ZHANG, Xiaonan - ZHANG, Lisong - LI, Na - LI, Xiaona - WANG, Younian - MEI, Xianxiu - REMNEV, Gennady E. - PAVLOV, Sergey K. - UGLOV, V. V. Study on the damage of Fe₈₀B₁₃Si₇ alloy with different structure by high-intensity pulsed ion beam irradiation. In *SURFACE & COATINGS TECHNOLOGY*. ISSN 0257-8972, 2020, vol. 395, 125933., Registrované v: WOS
2. [1.1] STEMISHORN, Andrew K. - VOHRA, Yogesh K. - SMITH, Spencer J. High pressure high temperature devitrification of Fe₇₈B₁₃Si₉ metallic glass with simultaneous x-ray structural characterization. In *JOURNAL OF APPLIED PHYSICS*. ISSN 0021-8979, 2018, vol. 123, no. 21, 215901., Registrované v: WOS
3. [1.1] ZHANG, Xiaonan - MEI, Xianxiu - ZHANG, Qi - LI, Xiaona - QIANG, Jianbing - WANG, Younian. Damage induced by helium ion irradiation in Fe-based metallic glass. In *JOURNAL OF NUCLEAR MATERIALS*. ISSN 0022-3115, 2017, vol. 490, pp. 216-225., Registrované v: WOS

ADCA492 ILLEKOVÁ, Emília. The crystallization kinetics of Fe₈₀Si₄B₁₆ metallic glass. In *Thermochimica Acta*, 1996, vol. 280/281, p. 289-301. ISSN 0040-6031. Dostupné na: [https://doi.org/10.1016/0040-6031\(95\)02649-5](https://doi.org/10.1016/0040-6031(95)02649-5)

Ohlasy:

1. [1.1] SESTAK, Jaroslav. The quandary aspects of non-isothermal kinetics beyond the ICTAC kinetic committee recommendations. In THERMOCHIMICA ACTA. ISSN 0040-6031, 2015, vol. 611, pp. 26-35., Registrované v: WOS
2. [1.1] XU, Tao - JIAN, Zengyun - CHANG, Fange - ZHUO, Longchao - ZHANG, Tao. Isothermal crystallization kinetics of Fe₇₅Cr₅P₉B₄C₇ metallic glass with cost-effectiveness and desirable merits. In JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY. ISSN 1388-6150, 2018, vol. 133, no. 3, pp. 1309-1315., Registrované v: WOS

ADCA493 ILLEKOVÁ, Emília - MAŤKO, Igor - ŠVEC, Peter - ŠVEC, Peter Jr. - JANIČKOVIČ, Dušan. The crystallization behavior of amorphous Fe-Sn-B ribbons. In *Journal of Alloys and Compounds*, 2011, vol. 509, s46-S51. (2010: 2.138 - IF, Q1 - JCR, 1.073 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents). ISSN 0925-8388. Dostupné na: <https://doi.org/10.1016/j.jallcom.2010.12.063>

Ohlasy:

1. [1.1] MIGLIERINI, Marcel B. - DEKAN, Julius - CESNEK, Martin - JANOTOVA, Irena - SVEC, Peter - BUJDOS, Marek - KOHOUT, Jaroslav. Hyperfine interactions in Fe/Co-B-Sn amorphous alloys by Mossbauer spectrometry. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2020, vol. 500, 166417., Registrované v: WOS
2. [1.1] YANG, X. Y. - YANG, B. - LI, X. P. - CAO, Y. - YU, R. H. Structural-controlled chemical synthesis of nanosized amorphous Fe particles and their improved performances. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2015, vol. 651, pp. 551-556., Registrované v: WOS

ADCA494 ILLEKOVÁ, Emília - JERGEL, Matej - DUHAJ, Pavol - INOUE, A. The relation between the bulk and ribbon Zr₅₅Ni₂₅Al₂₀ metallic glasses. In *Materials Science and Engineering A*, 1997, vol. 226, p. 388-392. (1996: 0.852 - IF, Current Contents - CCC). (1997 - Current Contents, WOS, SCOPUS). ISSN 0921-5093.

Ohlasy:

1. [1.1] GU, Bin - LIU, Feng - JIANG, Yihui. Crystallization acceleration of amorphous Fe₄₀Ni₄₀P₁₄B₆ alloy by fluxing technique. In PHILOSOPHICAL MAGAZINE LETTERS. ISSN 0950-0839, 2015, vol. 95, no. 3, pp. 168-176., Registrované v: WOS
2. [1.1] HU, Y. - YAN, H. H. - YAN, Z. J. - WANG, X. G. Bending deformation behavior of Zr₆₅Cu_{17.5}Ni₁₀Al_{7.5} bulk metallic glass with different solidification cooling rate. In AIP ADVANCES. ISSN 2158-3226, 2018, vol. 8, no. 10, 105002., Registrované v: WOS
3. [1.1] WEI, Qi - GOSTIN, Petre Flaviu - ADDISON, Owen - REED, Daniel - CALIN, Mariana - BERA, Supriya - RAMASAMY, Parthiban - DAVENPORT, Alison. The Influence of Partial Replacement of Cu with Ga on the Corrosion Behavior of Ti₄₀Zr₁₀Cu₃₆Pd₁₄ Metallic Glasses. In JOURNAL OF THE ELECTROCHEMICAL SOCIETY. ISSN 0013-4651, 2019, vol. 166, no. 14, pp. C485-C491., Registrované v: WOS

ADCA495 ILLEKOVÁ, Emília - LEFAIX, H. - PRIMA, F. - JANIČKOVIČ, Dušan - ŠVEC, Peter. Thermal stability of metastable nano-composites in planar flow cast Ti-Zr-Ni alloys. In *Journal of Thermal Analysis and Calorimetry*, 2010, vol. 99, no.

3, p. 957-963. (2009: 1.587 - IF, Q3 - JCR, 0.529 - SJR, Q2 - SJR, Current Contents - CCC). (2010 - Current Contents). ISSN 1388-6150. Dostupné na: <https://doi.org/10.1007/s10973-009-0643-x>

Ohlasy:

1. [1.1] AGRAVAL, Pavel - DREVAL, Liya - TURCHANIN, Mikhail - STORCHAK-FEDYUK, Anastasia - ARTYUKH, Ludmila - VELIKANOVA, Tamara. Enthalpy of mixing of liquid Ni-Ti-Zr alloys at 1873 K. In JOURNAL OF CHEMICAL THERMODYNAMICS. ISSN 0021-9614, 2017, vol. 106, pp. 309-316., Registrované v: WOS

ADCA496 ILLEKOVÁ, Emília - JANIČKOVIČ, Dušan - KUBEČKA, P. - ŠVEC, Peter - GACHON, J.C. Thermodynamic analysis of the clustering in the Al90Fe7Nb3 alloy. In *Materials Science and Engineering A : structural materials properties microstructure and processing*, 2004, vol. 375-377, p. 946-950. (2003: 1.363 - IF, Current Contents - CCC). (2004 - Current Contents, WOS, SCOPUS). ISSN 0921-5093. Dostupné na: <https://doi.org/10.1016/j.msea.2003.10.262>

Ohlasy:

1. [1.1] SHVED, O. - MUDRY, S. - KOTSYUBYNSKY, V. O. - BOYCHUK, V. M. Thermally induced phase transformations of Al93Fe4Nb3 and A(190)Fe(7)Nb(3) quenched alloys. In MATERIALS RESEARCH EXPRESS, 2020, vol. 7, no. 3, 036505., Registrované v: WOS

ADCA497 ILLEKOVÁ, Emília - ŠVEC, Peter - MIGLIERINI, M. Thermokinetic analysis of the multistep crystallization of a NANOPERM-type ribbon. In *Journal of Non-Crystalline Solids*, 2007, vol. 353, no. 32-40, p. 3342-3347. (2006: 1.362 - IF, Q1 - JCR, 0.911 - SJR, Q1 - SJR, Current Contents - CCC). (2007 - Current Contents, SCOPUS). ISSN 0022-3093. Dostupné na: <https://doi.org/10.1016/j.jnoncrysol.2007.05.082>

Ohlasy:

1. [1.1] YU, W.Q. et al. The effect of high Co addition. In ACTA PHYSICA POLONICA A, 2015, vol. 128, no. 3, pp. 340-342., Registrované v: WOS

2. [1.1] ZUO, B. - WANG, J. H. - SONG, Z. Q. - XUE, X. J. - WANG, X. N. Thermal Behavior, Crystallization, and Magnetic Properties of Fe(81)Zr(5)Nb(4)B(10) and Fe(40.5)Co(40.5)Zr(5)Nb(4)B(10) Amorphous Alloys. In METAL SCIENCE AND HEAT TREATMENT. ISSN 0026-0673, 2020, vol. 62, no. 3-4, pp. 292-296., Registrované v: WOS

ADCA498 ISHIMASA, T. - HIRAO, A. - HONMA, T. - MIHALKOVIČ, Marek. Crystal structure of 1/0-2/1-1/0 Cu-Al-Sc approximant. In *Philosophical Magazine*, 2011, vol. 91, no. 19-21, p. 2594-2602. (2010: 1.304 - IF, Q1 - JCR, 1.031 - SJR, Q2 - SJR, Current Contents - CCC). (2011 - Current Contents). ISSN 1478-6435. Dostupné na: <https://doi.org/10.1080/14786435.2010.509287>

Ohlasy:

1. [1.1] TILLARD, Monique. Exploration in the Sc-Al-Cu system: evidence for i-ScAl₂.₄Cu₃.₂ quasicrystal and new crystal data for five intermetallic phases. In PHILOSOPHICAL MAGAZINE. ISSN 1478-6435, 2020, vol. 100, no. 7, pp. 857-873., Registrované v: WOS

MIHALKOVIČ, Marek. Phason space analysis and structure modelling of 100 angstrom-scale dodecagonal quasicrystal in Mn-based alloy. In *Philosophical Magazine*, 2015, vol. 95, no. 33, p. 3745-3767. (2014: 1.825 - IF, Q1 - JCR, 0.939 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents). ISSN 1478-6435. Dostupné na: <https://doi.org/10.1080/14786435.2015.1095365>

Ohlasy:

1. [1.1] CHEN, Jian-Hui - CAI, Cheng - FU, Xiu-Jun. Decagonal and Dodecagonal Quasicrystals Obtained by Molecular Dynamics Simulations. In CHINESE PHYSICS LETTERS. ISSN 0256-307X, 2019, vol. 36, no. 3, 036101., Registrované v: WOS
2. [1.1] NAKAYAMA, Kei - KOMATSUZAKI, Takumi - KOYAMA, Yasumasa. Crystallographic features of the approximant H (Mn₇Si₂V) phase in the Mn-Si-V alloy system. In PHILOSOPHICAL MAGAZINE. ISSN 1478-6435, 2018, vol. 98, no. 20, pp. 1823-1847., Registrované v: WOS
3. [1.1] NAKAYAMA, Kei - KURIHARA, Daichi - KOYAMA, Yasumasa. Crystallographic Relationship between the nu (Mn₈₂Si₁₈) and H (Mn₇Si₂V) Phases in the Mn-Si-V Alloy System. In MATERIALS TRANSACTIONS. ISSN 1345-9678, 2018, vol. 59, no. 7, pp. 1051-1056., Registrované v: WOS
4. [1.1] SCHENK, Sebastian - ZOLLNER, Eva Maria - KRAHN, Oliver - SCHRECK, Berit - HAMMER, Rene - FOERSTER, Stefan - WIDDRA, Wolf. Full real-space analysis of a dodecagonal quasicrystal. In ACTA CRYSTALLOGRAPHICA A-FOUNDATION AND ADVANCES. ISSN 2053-2733, 2019, vol. 75, pp. 307-313., Registrované v: WOS
5. [1.1] URGEL, Jose I. - ECIJA, David - LYU, Guoqing - ZHANG, Ran - PALMA, Carlos-Andres - AUWAERTER, Willi - LIN, Nian - BARTH, Johannes V. Quasicrystallinity expressed in two-dimensional coordination networks. In NATURE CHEMISTRY. ISSN 1755-4330, 2016, vol. 8, no. 7, pp. 657-662., Registrované v: WOS
6. [1.1] WOLNY, Janusz - BUGANSKI, Ireneusz - STRZALKA, Radoslaw. Model refinement of quasicrystals. In CRYSTALLOGRAPHY REVIEWS. ISSN 0889-311X, 2018, vol. 24, no. 1, pp. 22-64., Registrované v: WOS
7. [1.2] DOTERA, Tomonari - BEKKU, Shinichi - ZIHERL, Primož. Bronze-mean hexagonal quasicrystal. In Nature Materials. ISSN 14761122, 2017, vol. 16, no. 10, pp. 987-992., Registrované v: SCOPUS
8. [1.2] HIELSCHER, J. - MARTINSONS, M. - SCHMIEDEBERG, M. - KAPFER, S. C. Detection of phonon and phason modes in intrinsic colloidal quasicrystals by reconstructing their structure in hyperspace. In Journal of Physics Condensed Matter. ISSN 09538984, 2017, vol. 29, no. 9, 094002., Registrované v: SCOPUS
9. [1.2] PAßENS, M. - CACIUC, V. - ATODIRESEI, N. - FEUERBACHER, M. - MOORS, M. - DUNIN-BORKOWSKI, R. E. - BLÜGEL, S. - WASER, R. - KARTHÄUSER, S. Interface-driven formation of a two-dimensional dodecagonal fullerene quasicrystal. In Nature Communications, 2017, vol. 8, 15367., Registrované v: SCOPUS
10. [1.2] TOYONAGA, Kotoba - ISHIMASA, Tsutomu. Aging effects of dodecagonal quasicrystal formed in Mn-Cr-Ni-Si alloys. In Journal of Physics: Conference Series. ISSN 17426588, 2017, vol. 809, no. 1, UNSP 012015.,

Registrované v: SCOPUS

11. [1.2] YE, Xingchen - CHEN, Jun - ERIC IRRGANG, M. - ENGEL, Michael - DONG, Angang - GLOTZER, Sharon C. - MURRAY, Christopher B. Quasicrystalline nanocrystal superlattice with partial matching rules. In *Nature Materials*. ISSN 14761122, 2017, vol. 16, no. 2, pp. 214-219., Registrované v: SCOPUS

ADCA500 ITKIS, M.G. - AYSTO, J. - BEGHINI, S. - BOGACHEV, A.A. - CORRADI, L. - DORVAUX, O. - GADEA, A. - GIARDINA, G. - HANAPPE, F. - ITKIS, I.M. - JANDEL, Marián - KLIMAN, Ján - KHLEBNIKOV, S.V. - KNIAJEVA, G.N. - KONDRATIEV, N.A. - KOZULIN, E.M. - KRUPA, Ľuboš - LATINA, I.A. - MATERNA, T. - MONTAGNOLI, G. - OGANESSIAN, Yu.Ts. - POKROVSKY, I.V. - PROKHOROVA, E.V. - ROWLEY, N. - RUBCHENYA, V.A. - RUSANOV, A.Z. - SAGAIK, R.N. - SCARLASSARA, F. - STAFANINI, A.M. - STUTTGE, L. - SZILNER, S. - TROTTA, M. - TRZASKA, W.H. - VAKHTIN, D.E. - VINODKUMAR, A.M. - VOSKRESSENSKI, V.M. - ZAGREBAEV, V.I. Shell effects in fission and quasi-fission of heavy and superheavy nuclei. In *Nuclear Physics A*, 2004, vol. 734, p. 136-147. Dostupné na: <https://doi.org/10.1016/j.nucphysa.2004.01.022>

Ohlasy:

1. [1.1] BHATTACHARYA, S. - CHAUDHURI, A. - GHOSH, T. K. - BANERJEE, K. - BHATTACHARYA, C. - KUNDU, S. - MUKHERJEE, G. - RANA, T. K. - ROY, P. - PANDEY, R. - BHATTACHARYA, P. Fusion fission dynamics: fragment mass distribution studies. In VI INTERNATIONAL CONFERENCE FUSION14. ISSN 2100-014X, 2015, vol. 86, 00004., Registrované v: WOS
2. [1.1] HAMMERTON, K. - KOHLEY, Z. - HINDE, D. J. - DASGUPTA, M. - WAKHLE, A. - WILLIAMS, E. - OBERACKER, V. E. - UMAR, A. S. - CARTER, I. P. - COOK, K. J. - GREENE, J. - JEUNG, D. Y. - LUONG, D. H. - MCNEIL, S. D. - PALSHETKAR, C. S. - RAFFERTY, D. C. - SIMENEL, C. - STIEFEL, K. Reduced quasifission competition in fusion reactions forming neutron-rich heavy elements. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2015, vol. 91, no. 4, 041602., Registrované v: WOS
3. [1.1] UMAR, A. S. - OBERACKER, V. E. Time-dependent HF approach to SHE dynamics. In *NUCLEAR PHYSICS A*. ISSN 0375-9474, 2015, vol. 944, pp. 238., Registrované v: WOS

ADCA501 ITKIS, M.G. - BOGACHEV, A.A. - ITKIS, I.M. - KLIMAN, Ján - KNYAZHEVA, G.N. - KONDRATIEV, N.A. - KOZULIN, G.N. - KRUPA, Ľuboš - OGANESSIAN, Y.T. - POKROVSKY, I.V. - PROKHOROVA, E.V. - RUSANOV, A.Y. The processes of fusion-fission and quasi-fission of superheavy nuclei. In *Nuclear Physics A*, 2007. Vol. 787, p. 150C-159C. ISSN 0375-9474. Dostupné na: <https://doi.org/10.1016/j.nucphysa.2006.12.026>

Ohlasy:

1. [1.1] BUDACA, R. - SANDULESCU, A. - MIREA, M. Quasifission mass distributions in the synthesis of (274)Hs with Mg-26 and S-36 projectiles. In *MODERN PHYSICS LETTERS A*. ISSN 0217-7323, 2015, vol. 30, no. 26, 1550129., Registrované v: WOS
2. [1.1] LOVELAND, W. An experimentalist's view of the uncertainties in understanding heavy element synthesis. In *EUROPEAN*

- ADCA502 IVANČO, Ján - ZAHN, D.R.T. Critical evaluation of band bending determination in organic films from photoemission measurements. In *Journal of Vacuum Science and Technology A*, 2009, vol. 27, no. 5, p. 1178-1182. ISSN 0374-2101. Dostupné na: <https://doi.org/10.1116/1.3196814>

Ohlasy:

1. [1.1] WANG, Chia-Hsin - SU, Ching-Wen - CHAN, Shen Wen - FAN, Liang-Jen - CHEN, Ming-Chou - YANG, Yaw-Wen. Damaging Effect of Hot Metal Atoms on Organic Semiconducting Films during Top Contact Formation. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2015, vol. 119, no. 26, pp. 14593-14602., Registrované v: WOS
2. [1.1] ZHAO, Yuan - LIU, Xiaoliang - FENG, Guangdi - LYU, Lu - LI, Lin - WANG, Shitan - JIANG, Jie - LI, Youzhen - NIU, Dongmei - XIE, Haipeng - GAO, Yongli. Modification of C-60 nano-interlayers on organic field-effect transistors based on 2,7-dioctyl[1]benzothieno-[3,2-b]benzothiophene (C8-BTBT)/SiO₂. In RESULTS IN PHYSICS. ISSN 2211-3797, 2020, vol. 19, 103590., Registrované v: WOS

- ADCA503 IVANČO, Ján - KUBOTA, T. - KOBAYASHI, H. Deoxidation of gallium arsenide surface via silicon overlayer: A study on the evolution of the interface state density. In *Journal of Applied Physics*, 2005, vol. 97, 073712. (2004: 2.255 - IF, Current Contents - CCC). (2005 - Current Contents). ISSN 0021-8979. Dostupné na: <https://doi.org/10.1063/1.1873037>

Ohlasy:

1. [1.1] GOUGOUSI, Theodosia. Atomic layer deposition of high-k dielectrics on III-V semiconductor surfaces. In PROGRESS IN CRYSTAL GROWTH AND CHARACTERIZATION OF MATERIALS. ISSN 0960-8974, 2016, vol. 62, no. 4, pp. 1-21., Registrované v: WOS
2. [1.1] YU, C. H. - CHEN, X. Y. - LUO, X. D. - XU, W. W. - LIU, P. S. Analysis of Low Dimensional Nanoscaled Inversion-Mode InGaAs MOSFETs for Next-Generation Electrical and Photonic Applications. In ADVANCES IN CONDENSED MATTER PHYSICS. ISSN 1687-8108, 2015, article no. 423791., Registrované v: WOS

- ADCA504 IVANČO, Ján - HABER, T. - RESEL, R. - NETZER, F.P. - RAMSEY, M.G. Electronic and geometric structure of electro-optically active organic films and associated interfaces. In *Thin Solid Films*, 2006, vol. 514, no. 1-2, p. 156-164. (2005: 1.569 - IF, Q1 - JCR, 1.179 - SJR, Q1 - SJR, Current Contents - CCC). (2006 - Current Contents). ISSN 0040-6090. Dostupné na: <https://doi.org/10.1016/j.tsf.2006.02.018>

Ohlasy:

1. [1.1] EL-MENYAWY, E. M. Electrical and photovoltaic properties of Gaussian distributed inhomogeneous barrier based on tris(8-hydroxyquinoline) indium/p-si interface. In MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING. ISSN 1369-8001, 2015, vol. 32, pp. 145-151., Registrované v: WOS
2. [1.1] GHANBARI, Ebrahim - WAGNER, Thorsten - ZEPPENFELD, Peter. Layer-Resolved Evolution of Organic Thin Films Monitored by

Photoelectron Emission Microscopy and Optical Reflectance Spectroscopy. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2015, vol. 119, no. 42, pp. 24174-24181., Registrované v: WOS

3. [1.1] WAGNER, Thorsten - GHANBARI, Ebrahim - HUBER, Daniel - ZEPPEFELD, Peter. The growth of alpha-sexithiophene films on Ag(111) studied by means of PEEM with linearly polarized light. In ULTRAMICROSCOPY. ISSN 0304-3991, 2015, vol. 159, pp. 464-469., Registrované v: WOS

ADCA505 IVANČO, Ján - TOADER, T. - FIRSOV, A. - BRZHEZINSKAYA, M. - SPERLLING, M. - BRAUN, W. - ZAHN, D.R.T. Indium on a copper phthalocyanine thin film: Not a reactive system. In *Physical Review B*, 2010, vol. 81, no. 11, 115325. (2009: 3.475 - IF, 3.107 - SJR, Q1 - SJR, Current Contents - CCC). (2010 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.81.115325>

Ohlasy:

1. [1.1] BALCEROWSKA-CZERNIAK, Grazyna; DITTMAR-WITUSKI, Adam; HILLER, Tomasz; et al. Multivariate analysis to evaluate indium behavior at the copper phthalocyanine thin film. In JOURNAL OF APPLIED PHYSICS, 2018, vol. 124, no. 7, 075302., Registrované v: WOS
2. [1.1] NATALI, Marco - PROSA, Mario - LONGO, Alessandro - BRUCALÉ, Marco - MERCURI, Francesco - BUONOMO, Marco - LAGO, Nicola - BENVENUTI, Emilia - PRESCIMONE, Federico - BETTINI, Cristian - CESTER, Andrea - MELUCCI, Manuela - MUCCINI, Michele - TOFFANIN, Stefano. On the Nature of Charge-Injecting Contacts in Organic Field-Effect Transistors. In ACS APPLIED MATERIALS & INTERFACES. ISSN 1944-8244, 2020, vol. 12, no. 27, pp. 30616-30626., Registrované v: WOS

ADCA506 IVANČO, Ján. Intrinsic work function of molecular films. In *Thin Solid Films*, 2012, vol. 520, no. 11, p. 3975-3986. (2011: 1.890 - IF, Q1 - JCR, 0.995 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents). ISSN 0040-6090. Dostupné na: <https://doi.org/10.1016/j.tsf.2012.01.035>

Ohlasy:

1. [1.1] HINDERHOFER, Alexander - YONEZAWA, Keiichirou - KATO, Kengo - SCHREIBER, Frank. Structure Matters: Combining X-Ray Scattering and Ultraviolet Photoelectron Spectroscopy for Studying Organic Thin Films. In ELECTRONIC PROCESSES IN ORGANIC ELECTRONICS: BRIDGING NANOSTRUCTURE, ELECTRONIC STATES AND DEVICE PROPERTIES. ISSN 0933-033X, 2015, vol. 209, pp. 109-129., Registrované v: WOS
2. [1.1] OTTO, Felix - HUEMPFNER, Tobias - SCHAAL, Maximilian - UDHARDT, Christian - VORBRINK, Lennart - SCHROETER, Bernd - FORKER, Roman - FRITZ, Torsten. Ordered Growth and Electronic Properties of 1,2:8,9-Dibenzopentacene (trans-DBPen) on Ag(111). In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2018, vol. 122, no. 15, pp. 8348-8355., Registrované v: WOS
3. [1.1] OTTO, Felix - KIRCHHUEBEL, Tino - BABY, Anu - SOJKA, Falko - FRATESI, Guido - FRITZ, Torsten - FORKER, Roman. High Potassium Concentrations Nested in Epitaxial Monolayers of a Flexible Lander-Type

Molecule on Ag(111). In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2020, vol. 124, no. 7, pp. 4114-4127., Registrované v: WOS

ADCA507 IVANČO, Ján - LUBY, Štefan - JERGEL, Matej - ŠIFFALOVÍČ, Peter - HOFBAUEROVÁ, Monika, Benkovičová - HALAHOVETS, Yuriy - MAJKOVÁ, Eva - RELLA, R. - MANERA, M.G. Nitric dioxide and acetone sensors based on iron oxide nanoparticles. In *Sensor Letters*, 2013, vol. 11, no. 12, p. 2322-2326. (2012: 0.517 - IF, Q4 - JCR, 0.241 - SJR, Current Contents - CCC). (2013 - Current Contents). ISSN 1546-198X. Dostupné na: <https://doi.org/10.1166/sl.2013.3079>

Ohlasy:

1. [1.1] CHESHKO, I. V. - BEZDIDKO, O. V. - LOGVYNOV, A. M. - PROTSSENKO, S. I. CoFe₂O₄ Magnetic Nanoparticles Multilayered Ordered Arrays Formation. In JOURNAL OF NANO- AND ELECTRONIC PHYSICS. ISSN 2077-6772, 2017, vol. 9, no. 6, 06012., Registrované v: WOS
2. [1.1] LIANG, Shuai - LI, Jianping - WANG, Fei - et al. Highly sensitive acetone gas sensor based on ultrafine alpha-Fe₂O₃ nanoparticles. In SENSORS AND ACTUATORS B-CHEMICAL. ISSN 0925-4005, 2017, vol. 238, pp. 923-927., Registrované v: WOS

ADCA508 IVANČO, Ján - NETZER, F.P. - RAMSEY, M.G. On validity of the Schottky-Mott rule in organic semiconductors: Sexithiophene on various substrates. In *Journal of Applied Physics*, 2007, vol. 101, no. 10, 103712. (2006: 2.316 - IF, Q1 - JCR, 1.944 - SJR, Q1 - SJR, Current Contents - CCC). (2007 - Current Contents, SCOPUS). ISSN 0021-8979. Dostupné na: <https://doi.org/10.1063/1.2734879>

Ohlasy:

1. [1.1] ENDRES, James - PELCZER, Istvan - RAND, Barry P. - KAHN, Antoine. Determination of Energy Level Alignment within an Energy Cascade Organic Solar Cell. In CHEMISTRY OF MATERIALS. ISSN 0897-4756, 2016, vol. 28, no. 3, pp. 794-801., Registrované v: WOS
2. [1.1] JUNG, Sungyeop - KIM, Chang-Hyun - BONNASSIEUX, Yvan - HOROWITZ, Gilles. Injection barrier at metal/organic semiconductor junctions with a Gaussian density-of-states. In JOURNAL OF PHYSICS D-APPLIED PHYSICS. ISSN 0022-3727, 2015, vol. 48, no. 39, 395103., Registrované v: WOS
3. [1.1] KARAZEHIR, Tolga - ATES, Murat - SARAC, A. Sezai. Mott-Schottky and Morphologic Analysis of Poly(Pyrrole-N-Propionic Acid) in various electrolyte systems. In INTERNATIONAL JOURNAL OF ELECTROCHEMICAL SCIENCE. ISSN 1452-3981, 2015, vol. 10, no. 8, pp. 6146-6163., Registrované v: WOS
4. [1.1] WANG, Zhiping - UEMURA, Yu - ZHOU, Ying - MIYADERA, Tetsuhiko - AZUMI, Reiko - YOSHIDA, Yuji - CHIKAMATSU, Masayuki. Understanding Device-Structure-Induced Variations in Open-Circuit Voltage for Organic Photovoltaics. In ACS APPLIED MATERIALS & INTERFACES. ISSN 1944-8244, 2015, vol. 7, no. 20, pp. 10814-10822., Registrované v: WOS
5. [3.1] GREINER, M.T.- LU, Z.-H. CHARGE INJECTION LAYERS. In OLED Fundamentals. Materials, Devices and Processing of organic Light-Emitting Diodes. Chapter 5. Eds. D.J. Gaspar and E. Polikarpov. ISBN 978-1-4665-1519-2. CRC Press, Boca Raton 2015, pp. 95-126.

ADCA509 IVANČO, Ján - KRENN, J. - RAMSEY, M.G. - NETZER, F.P. - HABER, T. - RESEL, R. - HAASE, A. - STADLOBER, B. - JAKOPIC, G. Sexithiophene films on clean and oxidized Si(111) surfaces: growth and electronic structure. In *Journal of Applied Physics*, 2004, vol. 96, no. 5, p. 2716-2724. (2003: 2.171 - IF, Current Contents - CCC). (2004 - Current Contents). ISSN 0021-8979. Dostupné na: <https://doi.org/10.1063/1.1775304>

Ohlasy:

1. [1.1] LORCH, C. - BANERJEE, R. - FRANK, C. - DIETERLE, J. - HINDERHOFER, A. - GERLACH, A. - SCHREIBER, F. Growth of Competing Crystal Phases of alpha-Sexithiophene Studied by Real-Time in Situ X-ray Scattering. In *JOURNAL OF PHYSICAL CHEMISTRY C*. ISSN 1932-7447, 2015, vol. 119, no. 1, pp. 819-825., Registrované v: WOS

ADCA510 IVANČO, Ján - HABER, T. - KRENN, J.R. - NETZER, F.P. - RESSEL, R. - RAMSEY, M.G. Sexithiophene films on ordered and disordered TiO₂(110) surfaces: Electronic, structural and morphological properties. In *Surface Science*, 2007, vol. 601, no. 1, p. 178-187. (2006: 1.880 - IF, Q2 - JCR, 1.287 - SJR, Q1 - SJR). ISSN 0039-6028. Dostupné na: <https://doi.org/10.1016/j.susc.2006.09.020>

Ohlasy:

1. [1.1] ADLER, Hilmar - PASZKIEWICZ, Mateusz - UIHLEIN, Johannes - POLEK, Malgorzata - OVSYANNIKOV, Ruslan - BASOVA, Tamara V. - CHASSE, Thomas - PEISERT, Heiko. Interface Properties of VOPc on Ni(111) and Graphene/Ni(111): Orientation-Dependent Charge Transfer. In *JOURNAL OF PHYSICAL CHEMISTRY C*. ISSN 1932-7447, 2015, vol. 119, no. 16, pp. 8755-8762., Registrované v: WOS
2. [1.1] GHANBARI, Ebrahim - WAGNER, Thorsten - ZEPPENFELD, Peter. Layer-Resolved Evolution of Organic Thin Films Monitored by Photoelectron Emission Microscopy and Optical Reflectance Spectroscopy. In *JOURNAL OF PHYSICAL CHEMISTRY C*. ISSN 1932-7447, 2015, vol. 119, no. 42, pp. 24174- 24181., Registrované v: WOS
3. [1.1] GUNDUZ, Bayram. Surface Morphology Properties of the 5,5 &-Di(4-biphenyl)-2,2 &-bithiophene (PPTTP) Nanofiber Film and Calculations of the Optical Parameters of the PPTTP Nanofiber Optoelectronic Devices. In *JOURNAL OF NANOELECTRONICS AND OPTOELECTRONICS*. ISSN 1555-130X, 2015, vol. 10, no. 1, pp. 1-8., Registrované v: WOS
4. [1.1] LORCH, C. - BANERJEE, R. - FRANK, C. - DIETERLE, J. - HINDERHOFER, A. - GERLACH, A. - SCHREIBER, F. Growth of Competing Crystal Phases of alpha-Sexithiophene Studied by Real-Time in Situ X-ray Scattering. In *JOURNAL OF PHYSICAL CHEMISTRY C*. ISSN 1932-7447, 2015, vol. 119, no. 1, pp. 819-825., Registrované v: WOS

ADCA511 JAHNÁTEK, Michal - KRAJČÍ, Marián - HAFNER, Jürgen. Interatomic bonding, elastic properties, and ideal strength of transition metal aluminides: A case study for Al-3(V, Ti). In *Physical Review B*, 2005, vol. 71, no. 2, 024101. (2004: 3.075 - IF, Current Contents - CCC). (2005 - Current Contents). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.71.024101>

Ohlasy:

1. [1.1] BOULECHFAR, R. - KHENIOUI, Y. - DRABLIA, S. - MERADJI, H. - ABU-JAFAR, M. - BIN OMRAN, S. - KHENATA, R. -

- GHEMID, S. Theoretical simulations of the structural stabilities, elastic, thermodynamic and electronic properties of Pt3Sc and Pt3Y compounds. In SOLID STATE COMMUNICATIONS. ISSN 0038-1098, 2018, vol. 273, pp. 23-29., Registrované v: WOS
2. [1.1] BOULECHFAR, R. - KHODJA, A. Trad - KHENIOUI, Y. - MERADJI, H. - DRABLIA, S. - CHOUANDA, Z. - GHEMID, S. - NAQIB, S. H. - KHENATA, R. - WANG, X. T. First-principle study of the structural, mechanical, electronic and thermodynamic properties of intermetallic compounds: Pd3M (M = Sc, Y). In INTERNATIONAL JOURNAL OF MODERN PHYSICS B. ISSN 0217-9792, 2019, vol. 33, no. 27, 1950321., Registrované v: WOS
3. [1.1] BOULECHFAR, R. - MERADJI, H. - CHOUAHDA, Z. - GHEMID, S. - DRABLIA, S. - KHENATA, R. FP-LAPW investigation of the structural, electronic and thermodynamic properties of Al3Ta compound. In INTERNATIONAL JOURNAL OF MODERN PHYSICS B. ISSN 0217-9792, 2015, vol. 29, no. 2, 1450244., Registrované v: WOS
4. [1.1] DU XIAOMING - LIU FENGGU - LI JING - WU ERDONG. First principle calculations of XAl3 (X= Sc, Ti, Fe, Ni, Y, Zr and Ta) compounds: elastic and thermodynamic properties. In OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS. ISSN 1842-6573, 2015, vol. 9, no. 5-6, pp. 754., Registrované v: WOS
5. [1.1] GAO XIANG - ZHANG GUIKAI - XIANG XIN - LUO LIZHU - WANG XIAOLIN. First-Principles Study on the Adsorption of Oxygen on Al3V Surfaces. In RARE METAL MATERIALS AND ENGINEERING. ISSN 1002-185X, 2020, vol. 49, no. 12, pp. 4185-4191., Registrované v: WOS
6. [1.1] GE, Yanfeng - WAN, Wenhui - LIU, Yong - ZHANG, Ying. High-performance electronic transport in the plane of 3D type-II Dirac semimetals. In JOURNAL OF PHYSICS-CONDENSED MATTER. ISSN 0953-8984, 2017, vol. 29, no. 41, 415701., Registrované v: WOS
7. [1.1] HUA, Juan - LIU, Yue-Lin - LI, Heng-Shuai - ZHAO, Ming-Wen - LIU, Xiang-Dong. Energetics of carbon and nitrogen impurities and their interactions with vacancy in vanadium. In CHINESE PHYSICS B. ISSN 1674-1056, 2016, vol. 25, no. 3, 036104., Registrované v: WOS
8. [1.1] HU, Hai - WU, Xiaozhi - WANG, Rui - JIA, Zhihong - LI, Weiguo - LIU, Qing. Structural stability, mechanical properties and stacking fault energies of TiAl3 alloyed with Zn, Cu, Ag: First-principles study. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2016, vol. 666, no., pp. 185-196., Registrované v: WOS
9. [1.1] CHEN, Zhe - ZHANG, Peng - CHEN, Dong - WU, Yi - WANG, Mingliang - MA, Naiheng - WANG, Haowei. First-principles investigation of thermodynamic, elastic and electronic properties of Al3V and Al3Nb intermetallics under pressures. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2015, vol. 117, no. 8, 085904., Registrované v: WOS
10. [1.1] KHENIOUI, Youcef - BOULECHFAR, Rahima - MAAZI, Nouredine - GHEMID, Sebti. FP-LAPW investigation of Al-3(Sc1-xTix) alloys properties in L1(2) and D0(22) structures. In INTERNATIONAL JOURNAL OF MODERN PHYSICS B. ISSN 0217-9792, 2018, vol. 32, no. 14, 1850167., Registrované v: WOS
11. [1.1] LEINEWEBER, A. - KRIEGEL, M. J. - DISTL, B. - MARTIN, S. - KLEMM, V - SHANG, S-L - LIU, Z-K. An orthorhombic D0(22)-like

precursor to Al_8Mo_3 in the Al-Mo-Ti system. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2020, vol. 823, 153807., Registrované v: WOS

12. [1.1] LEKATOU, A. - KARANTZALIS, A. E. - EVANGELOU, A. - GOUSIA, V. - KAPTAY, G. - GACSI, Z. - BAUMLI, P. - SIMON, A. Aluminium reinforced by WC and TiC nanoparticles (ex-situ) and aluminide particles (in-situ): Microstructure, wear and corrosion behaviour. In MATERIALS & DESIGN. ISSN 0264-1275, 2015, vol. 65, pp. 1121., Registrované v: WOS

13. [1.1] LINDAHL, Bonnie - LIU, Xuan L. - LIU, Zi-Kui - SELLEBY, Malin. A thermodynamic re-assessment of Al-V toward an assessment of the ternary Al-Ti-V system. In CALPHAD-COMPUTER COUPLING OF PHASE DIAGRAMS AND THERMOCHEMISTRY. ISSN 0364-5916, 2015, vol. 51, pp. 75., Registrované v: WOS

14. [1.1] LIU, Yiyuan - LIU, Yu-Fei - GUI, Xin - XIANG, Cheng - ZHOU, Hui-Bin - HSU, Chuang-Han - LIN, Hsin - CHANG, Tay-Rong - XIE, Weiwei - JIA, Shuang. Bond-breaking induced Lifshitz transition in robust Dirac semimetal VAl_3 . In PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA. ISSN 0027-8424, 2020, vol. 117, no. 27, pp. 15517-15523., Registrované v: WOS

15. [1.1] MENG, Fan-Shun - YAO, Zhen - VSIANSKA, Monika - FRIAK, Martin - SOB, Mojmir. Theoretical investigations on structural, elastic, thermodynamic and electronic properties of Al_3Ti and Al_3V compounds in $\text{L1}(2)$ structure under high pressure. In MATERIALS RESEARCH EXPRESS. ISSN 2053-1591, 2019, vol. 6, no. 5, 056536., Registrované v: WOS

16. [1.1] SKRIPNYAK, N. V. - PONOMAREVA, A. V. - BELOV, M. P. - ABRIKOSOV, I. A. Ab initio calculations of elastic properties of alloys with mechanical instability: Application to BCC Ti-V alloys. In MATERIALS & DESIGN. ISSN 0264-1275, 2018, vol. 140, pp. 357-365., Registrované v: WOS

17. [1.1] TANG, Ping-Ying - HUANG, Guo-Hua - HUANG, Jin-Li - MA, Li - FAN, Tou-Wen. First-principles study of the ideal shear strengths and stacking fault energies of face-centered cubic Al_3Ti . In COMPUTATIONAL MATERIALS SCIENCE. ISSN 0927-0256, 2020, vol. 177, 109596., Registrované v: WOS

18. [1.1] WANG HAIYAN - LI CHANGYUN - LI XUSHENG - HU QIANKU - YANG YIN. Influence of Mo Doping on the Physical Properties of TiAl Alloy by the First Principles. In RARE METAL MATERIALS AND ENGINEERING. ISSN 1002-185X, 2015, vol. 44, no. 11, pp. 2737., Registrované v: WOS

19. [1.1] WANG HAI-YAN - HU QIAN-KU - YANG WEN-PENG - LI XU-SHENG. Influence of metal element doping on the mechanical properties of TiAl alloy. In ACTA PHYSICA SINICA. ISSN 1000-3290, 2016, vol. 65, no. 7, 077101., Registrované v: WOS

20. [1.1] WANG, Jia-Hua - LU, Yong - ZHANG, Xiao-Lin - SHAO, Xiao-hong. The elastic behaviors and theoretical tensile strength of γ -TiAl alloy from the first principles calculations. In INTERMETALLICS. ISSN 0966-9795, 2018, vol. 101, pp. 1-7., Registrované v: WOS

ADCA512 JAHNATEK, M. - HAFNER, J. - KRAJČÍ, Marián. Shear deformation, ideal strength, and stacking fault formation of fcc metals: A density-functional study of Al

and Cu. In *Physical Review B*, 2009, vol. 79, no. 22, 224103. (2008: 3.322 - IF, Q1 - JCR, 2.923 - SJR, Q1 - SJR, Current Contents - CCC). (2009 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.79.224103>

Ohlasy:

1. [1.1] AN, Qi - LI, Guodong. Shear-induced mechanical failure of beta-Ga₂O₃ from quantum mechanics simulations. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2017, vol. 96, no. 14, 144113., Registrované v: WOS
2. [1.1] BAIDAKOV, Vladimir G. - TIPEEV, Azat O. Mechanical instability and nucleation in a Lennard-Jones fcc crystal at limiting stretching. In *CHEMICAL PHYSICS LETTERS*. ISSN 0009-2614, 2016, vol. 643, no., pp. 6-9., Registrované v: WOS
3. [1.1] BUCKO, Tomas. Transition state optimization of periodic systems using delocalized internal coordinates. In *THEORETICAL CHEMISTRY ACCOUNTS*. ISSN 1432-881X, 2018, vol. 137, no. 12, 164., Registrované v: WOS
4. [1.1] CASILLAS-TRUJILLO, Luis - XU, Liubin - XU, Haixuan. Compositional effects on ideal shear strength in Fe-Cr alloys. In *JOURNAL OF ALLOYS AND COMPOUNDS*. ISSN 0925-8388, 2017, vol. 720, pp. 466-472., Registrované v: WOS
5. [1.1] DHALIWAL, Gurjot - NAIR, Prasanth B. - SINGH, Chandra Veer. Uncertainty and sensitivity analysis of mechanical and thermal properties computed through Embedded Atom Method potential. In *COMPUTATIONAL MATERIALS SCIENCE*. ISSN 0927-0256, 2019, vol. 166, pp. 30-41., Registrované v: WOS
6. [1.1] FORTOV, Vladimir E. High-Power Lasers in High-Energy-Density Physics. In *EXTREME STATES OF MATTER: HIGH ENERGY DENSITY PHYSICS, 2ND EDITION*. ISSN 0933-033X, 2016, vol. 216, no., pp. 167-275., Registrované v: WOS
7. [1.1] GAO, Q. - ZHANG, H. - YANG, R. - FAN, Z. - LIU, Y. - WANG, J. - GENG, X. - GAO, Y. - SHANG, S. - DU, Y. - LIU, Z. EFFECT OF ALLOYING ELEMENTS ON THE STACKING FAULT ENERGIES OF DILUTE AL-BASED ALLOYS. In *JOURNAL OF MINING AND METALLURGY SECTION B-METALLURGY*. ISSN 1450-5339, 2018, vol. 54, no. 2, pp. 185-196., Registrované v: WOS
8. [1.1] GHOLIZADEH, Hojjat - HASANI, Saeed. Ab-initio calculation of the gamma-surface and cleavage energy in the B2 FeCo intermetallic compound. In *COMPUTATIONAL MATERIALS SCIENCE*. ISSN 0927-0256, 2018, vol. 143, pp. 515-527., Registrované v: WOS
9. [1.1] GOURIET, Karine - CARREZ, Philippe - CORDIER, Patrick. Ultimate Mechanical Properties of Forsterite. In *MINERALS*, 2019, vol. 9, no. 12, 787., Registrované v: WOS
10. [1.1] GUO, Y. Q. - ZHANG, S. H. - BEYERLEIN, I. J. - LEGUT, D. - SHANG, S. L. - LIU, Z. K. - ZHANG, R. F. Synergetic effects of solute and strain in biocompatible Zn-based and Mg-based alloys. In *ACTA MATERIALIA*. ISSN 1359-6454, 2019, vol. 181, pp. 423-438., Registrované v: WOS
11. [1.1] HUANG, Jianfeng - ZHU, Yihan - LIU, Changxu - SHI, Zhan - FRATALOCCHI, Andrea - HAN, Yu. Unravelling Thiol's Role in Directing Asymmetric Growth of Au Nanorod-Au Nanoparticle Dimers. In *NANO LETTERS*. ISSN 1530-6984, 2016, vol. 16, no. 1, pp. 617-623., Registrované v:

WOS

12. [1.1] HU, Bing - YIN, Yazhi - ZHONG, Zixin - WU, Dengdeng - LIU, Guoliang - HONG, Xinlin. Cu@ZIF-8 derived inverse ZnO/Cu catalyst with sub-5 nm ZnO for efficient CO₂ hydrogenation to methanol. In CATALYSIS SCIENCE & TECHNOLOGY. ISSN 2044-4753, 2019, vol. 9, no. 10, pp. 2673-2681., Registrované v: WOS
13. [1.1] HU, Chengchao - ZHANG, Zhao - CHEN, Hui - HE, Jian - GUO, Hongbo. Reactive elements dependence of elastic properties and stacking fault energies of gamma-Ni, gamma'-Ni₃Al and beta-NiAl. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2020, vol. 843, 155799., Registrované v: WOS
14. [1.1] CHENG, Tianbao - FANG, Daining - YANG, Yazheng. The Temperature-Dependent Ideal Shear Strength of Solid Single Crystals. In JOURNAL OF APPLIED MECHANICS-TRANSACTIONS OF THE ASME. ISSN 0021-8936, 2018, vol. 85, no. 3, 031005., Registrované v: WOS
15. [1.1] CHEN, Siyi - WANG, Qian - LIU, Xiaoming - TAO, Jiongming - WANG, Jianwei - WANG, Mingliang - WANG, Haowei. First-principles studies of intrinsic stacking fault energies and elastic properties of Al-based alloys. In MATERIALS TODAY COMMUNICATIONS. ISSN 2352-4928, 2020, vol. 24, 101085., Registrované v: WOS
16. [1.1] CHEN, Yi - HE, Shuang - YI, Zhou - PENG, Ping. Impact of correlative defects induced by double Re-addition on the ideal shear strength of gamma'-Ni₃Al phases. In COMPUTATIONAL MATERIALS SCIENCE. ISSN 0927-0256, 2018, vol. 152, pp. 408-416., Registrované v: WOS
17. [1.1] CHEN, Yi - HE, Shuang - YI, Zhou - PENG, Ping. A synergistic reinforcement of Re and W for ideal shear strengths of gamma'-Ni₃Al phases. In JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS. ISSN 0022-3697, 2019, vol. 131, pp. 34-43., Registrované v: WOS
18. [1.1] CHOUDHARY, Kamal - LIANG, Tao - CHERNATYNSKIY, Aleksandr - LU, Zizhe - GOYAL, Anuj - PHILLPOT, Simon R. - SINNOTT, Susan B. Charge optimized many-body potential for aluminum. In JOURNAL OF PHYSICS-CONDENSED MATTER. ISSN 0953-8984, 2015, vol. 27, no. 1, 015003., Registrované v: WOS
19. [1.1] KATTOURA, Micheal - TELANG, Abhishek - MANNAVA, Seetha Ramaiah - QIAN, Dong - VASUDEVAN, Vijay K. Effect of Ultrasonic Nanocrystal Surface Modification on residual stress, microstructure and fatigue behavior of ATI 718Plus alloy. In MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING. ISSN 0921-5093, 2018, vol. 711, pp. 364-377., Registrované v: WOS
20. [1.1] KIM, Hyojung - TRINKLE, Dallas R. Mechanical properties and phase stability of monoborides using density functional theory calculations. In PHYSICAL REVIEW MATERIALS. ISSN 2475-9953, 2017, vol. 1, no. 1, 013601., Registrované v: WOS
21. [1.1] KRAUTGASSER, Konstantin - PANOSSETTI, Chiara - PALAGIN, Dennis - REUTER, Karsten - MAURER, Reinhard J. Global structure search for molecules on surfaces: Efficient sampling with curvilinear coordinates. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2016, vol. 145, no. 8, 084117., Registrované v: WOS
22. [1.1] LI CHUNXIA - DANG SUIHU - WANG LIPING - ZHANG

- CAILI - HAN PEIDE. Effects of H, O, P, S and N Impurities on the Plasticity Deformation Mechanism of Ni by First-Principles Calculations. In RARE METAL MATERIALS AND ENGINEERING. ISSN 1002-185X, 2018, vol. 47, no. 1, pp. 99-102., Registrované v: WOS
23. [1.1] LIU, Linghong - HE, Mengdong - LI, Jianbo - PENG, Xiaofang - CHEN, Hong - WANG, Zhipeng - FAN, Touwen. A novel simplified model for measuring the twinnability of face-centred-cubic metals. In PHILOSOPHICAL MAGAZINE LETTERS. ISSN 0950-0839, 2020, vol. 100, no. 2, pp. 63-73., Registrované v: WOS
24. [1.1] LI, Jiayang - YAMANAKA, Kenta - CHIBA, Akihiko. Influence of interatomic interactions on the mechanical properties of face-centered cubic multicomponent Co-Ni-Cr-Mo alloys. In MATERIALIA. ISSN 2589-1529, 2020, vol. 12, 100742., Registrované v: WOS
25. [1.1] LI, Juan - KIRCHLECHNER, Christoph. Does the stacking fault energy affect dislocation multiplication? In MATERIALS CHARACTERIZATION. ISSN 1044-5803, 2020, vol. 161, 110136., Registrované v: WOS
26. [1.1] LI, Weijie - WANG, Chongyu. Composition effect on elastic properties of model NiCo-based superalloys. In CHINESE PHYSICS B. ISSN 1674-1056, 2020, vol. 29, no. 2, 026102., Registrované v: WOS
27. [1.1] LI, Xiaoqing - SCHONECKER, Stephan - LI, Wei - VARGA, Lajos K. - IRVING, Douglas L. - VITOS, Levente. Tensile and shear loading of four fcc high-entropy alloys: A first-principles study. In PHYSICAL REVIEW B. ISSN 2469-9950, 2018, vol. 97, no. 9, 094102., Registrované v: WOS
28. [1.1] MIYAZAWA, Naoki - HAKAMADA, Masataka - MABUCHI, Mamoru. Energy jump during bond breaking. In PHYSICAL REVIEW B. ISSN 2469-9950, 2017, vol. 96, no. 1, 014115., Registrované v: WOS
29. [1.1] MOTAMAN, S. Amir H. - ROTERS, Franz - HAASE, Christian. Anisotropic polycrystal plasticity due to microstructural heterogeneity: A multi-scale experimental and numerical study on additively manufactured metallic materials. In ACTA MATERIALIA. ISSN 1359-6454, 2020, vol. 185, pp. 340-369., Registrované v: WOS
30. [1.1] PUN, G. P. Purja - BATRA, R. - RAMPRASAD, R. - MISHIN, Y. Physically informed artificial neural networks for atomistic modeling of materials. In NATURE COMMUNICATIONS. ISSN 2041-1723, 2019, vol. 10, 2339., Registrované v: WOS
31. [1.1] PUN, G. P. Purja - YAMAKOV, V. - HICKMAN, J. - GLAESSGEN, E. H. - MISHIN, Y. Development of a general-purpose machine-learning interatomic potential for aluminum by the physically informed neural network method. In PHYSICAL REVIEW MATERIALS. ISSN 2475-9953, 2020, vol. 4, no. 11, 113807., Registrované v: WOS
32. [1.1] RAHMAN, Mohd Mahfuzur - ISLAM, Md Shafiqul - ANJUM, Nafiza. Investigation on mechanical behaviors of Cu-Ni binary alloy nanopillars: a molecular dynamics study. In JOURNAL OF MOLECULAR MODELING. ISSN 1610-2940, 2020, vol. 26, no. 8, 214., Registrované v: WOS
33. [1.1] RODNEY, D. - VENTELON, L. - CLOUET, E. - PIZZAGALLI, L. - WILLAIME, F. Ab initio modeling of dislocation core properties in metals and semiconductors. In ACTA MATERIALIA. ISSN 1359-6454, 2017, vol. 124, pp. 633-659., Registrované v: WOS
34. [1.1] SHANG, Shun-Li - SHIMANEK, John - QIN, Shipin - WANG,

- Yi - BEESE, Allison M. - LIU, Zi-Kui. Unveiling dislocation characteristics in Ni₃Al from stacking fault energy and ideal strength: A first-principles study via pure alias shear deformation. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 101, no. 2, 024102., Registrované v: WOS
35. [1.1] SHEN, Yidi - WANG, Hongwei - ANA, Qi. Enhanced ductility of III-V covalent semiconductors from electrons and holes. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2019, vol. 126, no. 19, 195105., Registrované v: WOS
36. [1.1] SON, Woongrak - DUONG, Thien - TALAPATRA, Anjana - PREHN, Evan - TAN, Zeyi - RADOVIC, Miladin - ARROYAVE, Raymundo. Minimal effect of stacking number on intrinsic cleavage and shear behavior of Tin+1AlCn and Tan+1AlCn MAX phases. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2018, vol. 123, no. 22, 225102., Registrované v: WOS
37. [1.1] SON, Woongrak - GAO, Huili - DUONG, Thien - TALAPATRA, Anjana - RADOVIC, Miladin - ARROYAVE, Raymundo. Effect of A mixing on elastic modulus, cleavage stress, and shear stress in the Ti-3(SixAl1-x)C-2 MAX phase. In PHYSICAL REVIEW B. ISSN 2469-9950, 2017, vol. 95, no. 23, 235131., Registrované v: WOS
38. [1.1] SUN, Bin - OUYANG, Wenze - REN, Jijiang - MI, Liwei - GUO, Wei. Fcc> bcc> hcp successive phase transformations in the strained ultrathin copper film: A molecular dynamic simulation study. In MATERIALS CHEMISTRY AND PHYSICS. ISSN 0254-0584, 2019, vol. 223, pp. 171-182., Registrované v: WOS
39. [1.1] TAN, Anne Marie Z. - WOODWARD, Christopher - TRINKLE, Dallas R. Dislocation core structures in Ni-based superalloys computed using a density functional theory based flexible boundary condition approach. In PHYSICAL REVIEW MATERIALS. ISSN 2475-9953, 2019, vol. 3, no. 3, 033609., Registrované v: WOS
40. [1.1] TU, Peng - ZHENG, Yonghao - ZHUANG, Cheng - ZENG, Xiaoqin - ZHU, Hong. A high-throughput computation framework for generalized stacking fault energies of pure metals. In COMPUTATIONAL MATERIALS SCIENCE. ISSN 0927-0256, 2019, vol. 159, pp. 357-364., Registrované v: WOS
41. [1.1] WANG, Hongwei - SONG, Shuangxi - ZOU, Xinshu - WANG, Fangxi - ZHANG, Zhifu - MOROZOV, Sergey - WANG, Xiaodong - REDDY, Kolan Madhav - AN, Qi. Photomechanical effect leading to extraordinary ductility in covalent semiconductors. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 100, no. 9, 094110., Registrované v: WOS
42. [1.1] WANG, Jinkai - FU, Zehang - LU, Zhanpeng - WANG, Hao - HE, Yanlin - KOHYAMA, Masanori - CHEN, Ying. Evaluations of variant models for stacking fault energy based on gamma-TiAl. In PHILOSOPHICAL MAGAZINE. ISSN 1478-6435, 2019, vol. 99, no. 24, pp. 3096-3115., Registrované v: WOS
43. [1.1] WANG, Lan-xin - YAO, Shan - WEN, Bin. First-principles calculation of stacking fault energies and mechanical properties for high entropy solid solution Al_xCoCrCuFeNi with different mole fraction of Al. In BULGARIAN CHEMICAL COMMUNICATIONS. ISSN 0324-1130, 2015, vol. 47, pp. 93., Registrované v: WOS
44. [1.1] WANG, R. F. - XU, J. - QU, R. T. - LIU, Z. Q. - ZHANG, Z. F.

- Anisotropy of tensile strength and fracture mode of perfect face-centered-cubic crystals. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2015, vol. 117, no. 21, 214906., Registrované v: WOS
45. [1.1] WANG, William Yi - ZOU, Chengxiong - LIN, Deye - TANG, Jian - ZHANG, Liang - SUN, Jing - GUAN, Quanmei - TANG, Bin - WANG, Jun - KOU, Hongchao - GAO, Jun - SONG, Haifeng - MA, Jijun - LI, Jinshan. Interstitial triggered grain boundary embrittlement of Al-X (X = H, N and O). In COMPUTATIONAL MATERIALS SCIENCE. ISSN 0927-0256, 2019, vol. 163, pp. 241-247., Registrované v: WOS
46. [1.1] WU, Xiaoxia - WANG, Chongyu. Effect of the alloying element on the temperature-dependent ideal shear strength of γ -Ni₃Al. In RSC ADVANCES. ISSN 2046-2069, 2016, vol. 6, no. 25, pp. 20551-20558., Registrované v: WOS
47. [1.1] XUE, Zhe - ZHANG, Xinyu - QIN, Jiaqian - MA, Mingzhen - LIU, Riping. Effect of oxygen concentration on the tension and shear strength of Zr-O system: A first-principles study. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2019, vol. 781, pp. 919-928., Registrované v: WOS
48. [1.1] YANG, Jin-Wen - AN, Li. Elasticity, lattice dynamics and ideal strengths of USi₃ and U₃Si via first principles calculations. In JOURNAL OF NUCLEAR MATERIALS. ISSN 0022-3115, 2018, vol. 512, pp. 407-416., Registrované v: WOS
49. [1.1] YANG, Jin-Wen - AN, Li. Firstprinciples determination of pressureinduced structure, anisotropic elasticity and ideal strengths of CuInS₂ and CuInSe₂. In SOLID STATE COMMUNICATIONS. ISSN 0038-1098, 2020, vol. 316, 113952., Registrované v: WOS
50. [1.1] YANG, Jin-Wen - AN, Li. Structure, elastic characteristic, ideal strengths, and phonon stability of binary uranium intermetallic UGe₃ of AuCu₃-type. In PHYSICAL CHEMISTRY CHEMICAL PHYSICS. ISSN 1463-9076, 2020, vol. 22, no. 3, pp. 1381-1391., Registrované v: WOS
51. [1.1] YANG, Jin-Wen - ZHENG, Jing-Jing. Electronic properties, anisotropic elasticity, theoretical strengths, and lattice vibrational mode of orthorhombic YSi. In SOLID STATE COMMUNICATIONS. ISSN 0038-1098, 2020, vol. 321, 114029., Registrované v: WOS
52. [1.1] YANG, Rong - TANG, Bin - GAO, Tao. A comparison of mechanical properties between Al and Al₃Mg. In INTERNATIONAL JOURNAL OF MODERN PHYSICS B. ISSN 0217-9792, 2016, vol. 30, no. 1, 1550243., Registrované v: WOS
53. [1.1] YI, Zhou - PENG, Ping. Impact of Re-clustering on resistances to dislocation slip mediated plastic deformations in gamma matrix phases. In COMPUTATIONAL MATERIALS SCIENCE. ISSN 0927-0256, 2020, vol. 172, 109314., Registrované v: WOS
54. [1.1] ZELENY, Martin - STRAKA, Ladislav - SOZINOV, Alexei. Ab initio study of Ni₂MnGa under shear deformation. In ESOMAT 2015 10TH EUROPEAN SYMPOSIUM ON MARTENSITIC TRANSFORMATIONS. ISSN 2261-236X, 2015, vol. 33, UNSP 05006., Registrované v: WOS
55. [1.1] ZELENY, Martin - STRAKA, Ladislav - SOZINOV, Alexei - HECZKO, Oleg. Transformation Paths from Cubic to Low-Symmetry Structures in Heusler Ni₂MnGa Compound. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2018, vol. 8, 7275., Registrované v: WOS

56. [1.1] ZHANG, Meiguang - YAN, Haiyan - WEI, Qun. Effects of Scandium Addition on the Structural Stability and Ideal Strengths of Magnesium-Lithium Alloys. In ZEITSCHRIFT FUR NATURFORSCHUNG SECTION A-A JOURNAL OF PHYSICAL SCIENCES. ISSN 0932-0784, 2018, vol. 73, no. 10, pp. 947-956., Registrované v: WOS
57. [1.1] ZHANG, Qian - LIU, Ying - LIAO, Ting - ZHANG, Caili - WU, Xiaolei - LIU, Yongsheng - QURASHI, Muhammad Saqlain - ZHENG, Feng - SONG, Qingsong - HAN, Peide. Graphene/Cu composites: Electronic and mechanical properties by first-principles calculation. In MATERIALS CHEMISTRY AND PHYSICS. ISSN 0254-0584, 2019, vol. 231, pp. 188-195., Registrované v: WOS
58. [1.1] ZHANG, R. F. - LEGUT, D. - FU, Z. H. - VEPREK, S. - ZHANG, Q. F. - MAO, H. K. Mechanical strength and electronic instabilities in ultra-incompressible platinum dinitrides. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 92, no. 10, 104107., Registrované v: WOS
59. [1.1] ZHANG, R. F. - ZHANG, S. H. - GUO, Y. Q. - FU, Z. H. - LEGUT, D. - GERMANN, T. C. - VEPREK, S. First-principles design of strong solids: Approaches and applications. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, 2019, vol. 826, pp. 1-49., Registrované v: WOS
60. [1.1] ZHANG, Shihao - LEGUT, Dominik - FU, Zhongheng - GERMANN, Timothy C. - ZHANG, Ruifeng. High-throughput screening for superhard carbon and boron nitride allotropes with superior stiffness and strength. In CARBON. ISSN 0008-6223, 2018, vol. 137, pp. 156-164., Registrované v: WOS
61. [1.1] ZHANG, Shuchao - SUN, Hong. Effects of boron defects on mechanical strengths of TiB₂ at high temperature: ab initio molecular dynamics studies. In PHYSICAL CHEMISTRY CHEMICAL PHYSICS. ISSN 1463-9076, 2020, vol. 22, no. 12, pp. 6560-6571., Registrované v: WOS
62. [1.1] ZHANG, S. H. - BEYERLEIN, I. J. - LEGUT, D. - et al. First-principles investigation of strain effects on the stacking fault energies, dislocation core structure, and Peierls stress of magnesium and its alloys. In PHYSICAL REVIEW B. ISSN 2469-9950, 2017, vol. 95, no. 22, 224106., Registrované v: WOS
63. [1.1] ZHANG, S. H. - FU, Z. H. - ZHANG, R. F. ADAIS: Automatic Derivation of Anisotropic Ideal Strength via high-throughput first-principles computations. In COMPUTER PHYSICS COMMUNICATIONS. ISSN 0010-4655, 2019, vol. 238, pp. 244-253., Registrované v: WOS
64. [1.1] ZHANG, S. H. - LEGUT, D. - ZHANG, R. F. PNADIS: An automated Peierls-Nabarro analyzer for dislocation core structure and slip resistance. In COMPUTER PHYSICS COMMUNICATIONS. ISSN 0010-4655, 2019, vol. 240, pp. 60-73., Registrované v: WOS
65. [1.1] ZHANG, Xi - GRABOWSKI, Blazej - KOERMANN, Fritz - RUBAN, Andrei V. - GONG, Yilun - REED, Roger C. - HICKEL, Tilmann - NEUGEBAUER, Joerg. Temperature dependence of the stacking-fault Gibbs energy for Al, Cu, and Ni. In PHYSICAL REVIEW B. ISSN 2469-9950, 2018, vol. 98, no. 22, 224106., Registrované v: WOS
66. [1.1] ZHANG, Yong - GUO, Jinming - CHEN, Jianghua - WU, Cuilan - KORMOUT, Karoline Sophie - GHOSH, Pradipta - ZHANG, Zaoli. On the stacking fault energy related deformation mechanism of nanocrystalline Cu

and Cu alloys: A first-principles and TEM study. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2019, vol. 776, pp. 807-818.,

Registrované v: WOS

67. [1.1] ZHANG, Y. H. - ZHUANG, Y. - HU, A. - KAI, J. J. - LIU, C. T. The origin of negative stacking fault energies and nano-twin formation in face-centered cubic high entropy alloys. In SCRIPTA MATERIALIA. ISSN 1359-6462, 2017, vol. 130, pp. 96-99., Registrované v: WOS

68. [1.1] ZHANG, Z. - FU, Z. H. - ZHANG, R. F. - LEGUT, D. - GUO, H. B. Anomalous mechanical strengths and shear deformation paths of Al₂O₃ polymorphs with high ionicity. In RSC ADVANCES. ISSN 2046-2069, 2016, vol. 6, no. 16, pp. 12885-12892., Registrované v: WOS

69. [1.1] ZHAO, Dongdong - LOVVIK, Ole Martin - MARTHINSEN, Knut - LI, Yanjun. Impurity effect of Mg on the generalized planar fault energy of Al. In JOURNAL OF MATERIALS SCIENCE. ISSN 0022-2461, 2016, vol. 51, no. 14, pp. 6552-6568., Registrované v: WOS

70. [1.1] ZHAO, Dongdong - LOVVIK, Ole Martin - MARTHINSEN, Knut - LI, Yanjun. Combined effect of Mg and vacancy on the generalized planar fault energy of Al. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2017, vol. 690, pp. 841-850., Registrované v: WOS

71. [1.1] ZINOVEV, A. - ISKANDAROV, A. M. - DMITRIEV, S. - PSHENICHNYUK, A. Criteria of instability of copper and aluminium perfect crystals subjected to elastic deformation in the temperature range 0-400 K. In LETTERS ON MATERIALS. ISSN 2218-5046, 2019, vol. 9, no. 3, pp. 265-269., Registrované v: WOS

ADCA513 JAHNÁTEK, M. - KRAJČÍ, Marián - HAFNER, J. Interatomic bonds and the tensile anisotropy of trialuminides in the elastic limit: a density functional study for Al₃ (Sc,Ti,V,Cr). In *Philosophical Magazine*, 2007, vol. 87, no. 11, p. 1769-1794. (2006: 1.354 - IF, Q1 - JCR, 1.177 - SJR, Q1 - SJR). ISSN 1478-6435. Dostupné na: <https://doi.org/10.1080/14786430601057946>

Ohlasy:

1. [1.1] BOULECHFAR, R. - MERADJI, H. - CHOUAHDA, Z. - GHEMID, S. - DRABLIA, S. - KHENATA, R. FP-LAPW investigation of the structural, electronic and thermodynamic properties of Al₃Ta compound. In INTERNATIONAL JOURNAL OF MODERN PHYSICS B. ISSN 0217-9792, 2015, vol. 29, no. 2, 1450244., Registrované v: WOS

2. [1.1] HU, Hai - WU, Xiaozhi - WANG, Rui - JIA, Zhihong - LI, Weiguo - LIU, Qing. Structural stability, mechanical properties and stacking fault energies of TiAl₃ alloyed with Zn, Cu, Ag: First-principles study. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2016, vol. 666, no., pp. 185-196., Registrované v: WOS

3. [1.1] MENG, Fan-Shun - WANG, Yu - LU, Xiao-Ming - LI, Jiu-Hui. First-principles investigation of elastic, mechanical, electronic and thermodynamic properties of Al₃Li compound under pressure. In MATERIALS RESEARCH EXPRESS. ISSN 2053-1591, 2019, vol. 6, no. 12, 1265g6., Registrované v: WOS

4. [1.1] MENG, Fan-Shun - YAO, Zhen - VSIANSKA, Monika - FRIAK, Martin - SOB, Mojmir. Theoretical investigations on structural, elastic, thermodynamic and electronic properties of Al₃Ti and Al₃V compounds in L1(2) structure under high pressure. In MATERIALS RESEARCH EXPRESS. ISSN

2053-1591, 2019, vol. 6, no. 5, 056536., Registrované v: WOS
 5. [1.1] NAVARRO-QUEZADA, Andrea. Magnetic Nanostructures Embedded in III-Nitrides: Assembly and Performance. In CRYSTALS. ISSN 2073-4352, 2020, vol. 10, no. 5, 359., Registrované v: WOS
 6. [1.1] ZHOU, Shenggang - PENG, Bin - CAO, Yong - XU, Yang - QUAN, Guiling - MA, Shuangshuang - JIAO, Zengkai - LUO, Kailiang. First-principles investigations on stability, elastic properties and electronic structures of L12-TiAl3 and D022-TiAl3 under pressure. In PHYSICA B-CONDENSED MATTER. ISSN 0921-4526, 2019, vol. 571, pp. 118-129., Registrované v: WOS

ADCA514 JAHNÁTEK, M. - KRAJČÍ, Marián - HAFNER, J. Response of fcc metals and L1(2) and D0(22) type trialuminides to uniaxial loading along [100] and [001]: ab initio DFT calculations. In *Philosophical Magazine*, 2011, vol. 91, no. 4, p. 491-516. (2010: 1.304 - IF, Q1 - JCR, 1.031 - SJR, Q2 - SJR, Current Contents - CCC). (2011 - Current Contents). ISSN 1478-6435. Dostupné na: <https://doi.org/10.1080/14786435.2010.523720>

Ohlasy:

1. [1.1] MARDARE, Andrei Ionut - HUBER, Silvia - MARDARE, Cezarina Cela - BRADT, Elke - HILD, Sabine - HASSEL, Achim Walter. Combinatorial surface nanostructuring in aluminium-niobium system. In APPLIED SURFACE SCIENCE. ISSN 0169-4332, 2020, vol. 499, 143943., Registrované v: WOS
2. [1.1] QIAN, Yi - XUE, Jilai - WANG, Zengjie - YANG, Zhenhai - QIAN, Ping. Mechanical Properties Evaluation of Zr Addition in L1(2)-Al-3(Sc1-x Zr (x)) Using First-Principles Calculation. In JOM. ISSN 1047-4838, 2016, vol. 68, no. 5, pp. 1293-1300., Registrované v: WOS
3. [1.1] RAJU, Selva Vennila - HRUBIAK, Rostislav - DROZD, Vadym - SAXENA, Surendra. Laser-assisted processing of Ni-Al-Co-Ti under high pressure. In MATERIALS AND MANUFACTURING PROCESSES. ISSN 1042-6914, 2017, vol. 32, no. 14, pp. 1606-1611., Registrované v: WOS
4. [1.1] TANG, Ping-Ying - HUANG, Guo-Hua - HUANG, Jin-Li - MA, Li - FAN, Tou-Wen. First-principles study of the ideal shear strengths and stacking fault energies of face-centered cubic Al3Ti. In COMPUTATIONAL MATERIALS SCIENCE. ISSN 0927-0256, 2020, vol. 177, 109596., Registrované v: WOS

ADCA515 JAHNÁTEK, M. - KRAJČÍ, Marián - HAFNER, J. Response of trialuminides to [110] uniaxial loading: An ab initio study for Al-3(Sc,Ti,V). In *Physical Review B*, 2007, vol. 76, no. 1, 014110. (2006: 3.107 - IF, Q1 - JCR, 2.620 - SJR, Q1 - SJR, Current Contents - CCC). (2007 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.76.014110>

Ohlasy:

1. [1.1] LEINI, W. - ZHANG, T. - WU, Z. - WEI, N. First-principles study of the structural, phonon, elastic, and thermodynamic properties of Al3Ta compound under high pressure. In CONDENSED MATTER PHYSICS. ISSN 1607-324X, 2018, vol. 21, no. 1, 13601., Registrované v: WOS
2. [1.1] PAN, Rong-Kai - WANG, Hai-Chen - SHI, Tao-Tao - TIAN, Xiao - TANG, Bi-Yu. Thermal properties and thermoelasticity of L1(2) ordered Al3RE (RE = Er, Tm, Yb, Lu) phases: A first-principles study. In MATERIALS

& DESIGN. ISSN 0264-1275, 2016, vol. 102, no., pp. 100-105., Registrované v: WOS

3. [1.1] QIAN, Yi - XUE, Jilai - WANG, Zengjie - YANG, Zhenhai - QIAN, Ping. Mechanical Properties Evaluation of Zr Addition in $L1(2)\text{-Al}_3(\text{Sc}_{1-x}\text{Zr}_x)$ Using First-Principles Calculation. In JOM. ISSN 1047-4838, 2016, vol. 68, no. 5, pp. 1293-1300., Registrované v: WOS

4. [1.1] SUN, Shun-Ping - LI, Xiao-Ping - YANG, Jie - WANG, Hong-Jin - JIANG, Yong - YI, Dan-Qing. Point defect concentrations of $L1(2)\text{-Al}_3\text{X}(\text{Sc}, \text{Zr}, \text{Er})$. In RARE METALS. ISSN 1001-0521, 2018, vol. 37, no. 8, pp. 699-706., Registrované v: WOS

5. [1.1] TANG, Ping-Ying - HUANG, Guo-Hua - HUANG, Jin-Li - MA, Li - FAN, Tou-Wen. First-principles study of the ideal shear strengths and stacking fault energies of face-centered cubic Al_3Ti . In COMPUTATIONAL MATERIALS SCIENCE. ISSN 0927-0256, 2020, vol. 177, 109596., Registrované v: WOS

ADCA516 JANCOVICI, Bernard - ŠAMAJ, Ladislav. Guest charge and potential fluctuations in two-dimensional classical Coulomb systems. In *Journal of Statistical Physics*, 2008, vol. 131, no. 4, p. 613-629. (2007: 1.605 - IF, Q2 - JCR, 1.289 - SJR, Q1 - SJR). ISSN 0022-4715. Dostupné na: <https://doi.org/10.1007/s10955-008-9515-1>

Ohlasy:

1. [1.1] ALASTUEY, Angel - FANTONI, Riccardo. Fourth Moment Sum Rule for the Charge Correlations of a Two-Component Classical Plasma. In JOURNAL OF STATISTICAL PHYSICS. ISSN 0022-4715, 2016, vol. 163, no. 4, pp. 887-913., Registrované v: WOS

2. [1.1] LASKIN, M. - CAN, T. - WIEGMANN, P. Collective field theory for quantum Hall states. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 92, no. 23, 235141., Registrované v: WOS

ADCA517 JANCOVICI, B. - KALINAY, Pavol - ŠAMAJ, Ladislav. Another derivation of a sum rule for the two-dimensional : two-component plasma. In *Physica A : statistical mechanics and its applications*, 2000, vol. 279, p. 260-267. (1999: 1.281 - IF). ISSN 0378-4371. Dostupné na: [https://doi.org/10.1016/S0378-4371\(99\)00510-5](https://doi.org/10.1016/S0378-4371(99)00510-5)

Ohlasy:

1. [1.1] ALASTUEY, Angel - FANTONI, Riccardo. Fourth Moment Sum Rule for the Charge Correlations of a Two-Component Classical Plasma. In JOURNAL OF STATISTICAL PHYSICS. ISSN 0022-4715, 2016, vol. 163, no. 4, pp. 887-913., Registrované v: WOS

ADCA518 JANCOVICI, B. - ŠAMAJ, Ladislav. Casimir force between two ideal-conductor walls revisited. In *Europhysics Letters*, 2005, vol. 72, no. 1, p. 35-41. (2004: 2.120 - IF, Current Contents - CCC). (2005 - Current Contents). ISSN 0295-5075. Dostupné na: <https://doi.org/10.1209/epl/i2005-10201-5>

Ohlasy:

1. [1.1] DEAN, David S. - LU, Bing-Sui - MAGGS, A. C. - PODGORNÍK, Rudolf. Nonequilibrium Tuning of the Thermal Casimir Effect. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2016, vol. 116, no. 24, 240602., Registrované v: WOS

2. [1.1] GUEROUT, Romain - INGOLD, Gert-Ludwig -

LAMBRECHT, Astrid - REYNAUD, Serge. Accounting for Dissipation in the Scattering Approach to the Casimir Energy. In SYMMETRY-BASEL. ISSN 2073-8994, 2018, vol. 10, no. 2, 37., Registrované v: WOS

3. [1.1] HENKEL, Carsten. Thermally excited quasiparticles in metals, dispersion forces, and the thermal anomaly. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2020, vol. 35, no. 3, 2040009., Registrované v: WOS

4. [1.1] LEE, Alpha A. - HANSEN, Jean-Pierre - BERNARD, Olivier - ROTENBERG, Benjamin. Casimir force in dense confined electrolytes. In MOLECULAR PHYSICS. ISSN 0026-8976, 2018, vol. 116, no. 21-22, pp. 3147-3153., Registrované v: WOS

5. [1.1] LU, B.S. - DEAN, D. S. - PODGORNIK, R. Out-of-equilibrium thermal Casimir effect between Brownian conducting plates. In EPL. ISSN 0295-5075, 2015, vol. 112, no. 2, 20001., Registrované v: WOS

ADCA519 JANCOVICI, B. - ŠAMAJ, Ladislav. Screening of classical Casimir forces by electrolytes in semi-infinite geometries. In *Journal of Statistical Mechanics*, 2004, p08006. Dostupné na: <https://doi.org/10.1088/1742-5468/2004/08/P08006>

Ohlasy:

1. [1.1] HOYE, Johan S. - BREVIK, Iver. Casimir force between a half-space and a plate of finite thickness. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 93, no. 5, 052504., Registrované v: WOS

2. [1.1] HOYE, J. S. - BREVIK, I. Casimir force and its relation to surface tension. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 95, no. 5, 052127., Registrované v: WOS

3. [1.1] LEE, Alpha A. - HANSEN, Jean-Pierre - BERNARD, Olivier - ROTENBERG, Benjamin. Casimir force in dense confined electrolytes. In MOLECULAR PHYSICS. ISSN 0026-8976, 2018, vol. 116, no. 21-22, pp. 3147-3153., Registrované v: WOS

4. [1.1] ZHOU, S. Inter-surface effective electrostatic interactions in the presence of surface charge discreteness and solvent granularity. In MOLECULAR PHYSICS. ISSN 0026-8976, 2020, vol. 118, no. 23., Registrované v: WOS

ADCA520 JANDEL, Marián - KLIMAN, Ján - KRUPA, Ľuboš - MORHÁČ, Miroslav - HAMILTON, J.H. - KORMICKI, J. - RAMAYYA, A. - HWANG, J.K. - LUO, Y.X. - FONG, D. - GORE, P. - TER-AKOPIAN, G.M. - OGANESIAN, Y.T. Angular momenta of fission fragments in the a-accompanied fission of Cf-252. In *European Physical Journal A*, 2005, vol. 24, no. 3, p. 373-378. ISSN 1434-6001. Dostupné na: <https://doi.org/10.1140/epja/i2004-10237-y>

Ohlasy:

1. [1.1] CHEN, Jun. Nuclear Data Sheets for A=138. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2017, vol. 146, pp. 1-386., Registrované v: WOS

2. [1.1] KHAZOV, Yu - RODIONOV, A. - SHULYAK, G. Nuclear Data Sheets for A=146. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2016, vol. 136, pp. 163-451., Registrované v: WOS

3. [1.1] NICA, N. Nuclear Data Sheets for A=140. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2018, vol. 154, pp. 1-403., Registrované v: WOS

ADCA521 JANDEL, Marián - MORHÁČ, Miroslav - KLIMAN, Ján - KRUPA, L. - MATOUŠEK, Vladislav - HAMILTON, J.H. - RAMAYYA, A.V. Decomposition of continuum gamma-ray spectra using synthesized response matrix. In *Nuclear Instruments and Methods in Physics Research A. Accelerators, Spectrometers, Detectors and Associated Equipment*, 2004, vol. 516, no. 1, pp. 172-183. (2003: 1.166 - IF, Current Contents - CCC). (2004 - Current Contents, WOS, SCOPUS). ISSN 0168-9002. Dostupné na: <https://doi.org/10.1016/j.nima.2003.07.047>

Ohlasy:

1. [1.1] HE, Jian-Feng - YANG, Yao-Zong - QU, Jin-Hui - WU, Qi-Fan - XIAO, Hai-Ling - YU, Cong-Cong. An inversion decomposition method for better energy resolution of NaI(Tl) scintillation detectors based on a Gaussian response matrix. In *NUCLEAR SCIENCE AND TECHNIQUES*. ISSN 1001-8042, 2016, vol. 27, no. 3, 58., Registrované v: WOS
2. [1.1] HE, J.-F. et al. In *NUCLEAR SCIENCE AND TECHNIQUES*, 2016, vol. 27, no. 4, 101., Registrované v: WOS
3. [1.1] HOANG, Sy Minh Tuan - SUN, Gwang Min - BAEK, Hani - KIM, Jiseok. Application of the ML-EM algorithm in the suppression of Compton background of gamma-ray spectroscopy system. In *JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY*. ISSN 0236-5731, 2016, vol. 307, no. 3, pp. 2137-2146., Registrované v: WOS
4. [1.1] CHERNYSHEVA, I. V. - NOVIKOV, A. S. - SHUSTOV, A. E. - et al. Identification of radionuclides using energy spectra of xenon gamma-ray spectrometer, In *INTERNATIONAL CONFERENCE ON PARTICLE PHYSICS AND ASTROPHYSICS*, Book Series: Journal of Physics Conference Series, 2017, vol. 798, UNSP 012145., Registrované v: WOS
5. [1.1] MOHAMED, Z. L. - MANNION, O. M. - HARTOUNI, E. P. - KNAUER, J. P. - FORREST, C. J. A generalized forward fit for neutron detectors with energy-dependent response functions. In *JOURNAL OF APPLIED PHYSICS*. ISSN 0021-8979, 2020, vol. 128, no. 21, 214501., Registrované v: WOS
6. [1.1] REINHARDT, Sascha - HARTMANN, Soeren - PIMPL, Richard. Full Spectrum Analysis in Environmental Monitoring. In *ATW-INTERNATIONAL JOURNAL FOR NUCLEAR POWER*. ISSN 1431-5254, 2015, vol. 60, no. 6, pp. 381., Registrované v: WOS
7. [1.1] SHI, Rui - TUO, Xian-Guo - LI, Huai-Liang - XU, Yang-Yang - SHI, Fan-Rong - YANG, Jian-Bo - LUO, Yong. Unfolding analysis of LaBr₃:Ce gamma spectrum with a detector response matrix constructing algorithm based on energy resolution calibration. In *NUCLEAR SCIENCE AND TECHNIQUES*. ISSN 1001-8042, 2018, vol. 29, no. 1, 1., Registrované v: WOS

ADCA522 JANDEL, M. - WUENSCHER, S. - SHETTY, D.V. - SOULIOTIS, G.A. - KEKSIS, A.L. - YENNELLO, S.J. - VESELSKÝ, Martin. Signatures of critical behavior in the multifragmentation of nuclei with charge $Z = 12-15$ and the N/Z dependence. In *Physical Review C*, 2006, vol. 74, no. 5, 054608. (2005: 3.610 - IF, 1.287 - SJR, Q1 - SJR, Current Contents - CCC). (2006 - Current Contents, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1016/j.nuclphysa.2015.10.001>

Ohlasy:

1. [1.1] SHARMA, Arun - BHARTI, Arun - GAUTAM, Sakshi - PURI, Rajeev K. Multifragmentation of nearly symmetric and asymmetric reactions

within a dynamical model. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 945, pp. 95-111., Registrované v: WOS

2. [1.1] SHARMA, Arun - BHARTI, Arun. Isospin effects via Coulomb forces on the onset of multifragmentation in light and heavily charged systems. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2016, vol. 52, no. 3, 42., Registrované v: WOS

3. [1.1] SOOD, Samiksha - KUMAR, Rohit - SHARMA, Arun - PURI, Rajeev K. Cluster formation and phase transition in nuclear disassembly using a variety of clusterization algorithms. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 5, 054612., Registrované v: WOS

ADCA523 JANEK, M. - LADYGIN, V.P. - AZHGIREY, L.S. - UESAKA, T. - GURCHIN, Yu.V. - HATANO, M. - ITOH, K. - ISUPOV, A.Yu. - KARACHUK, J.T. - KATO, H. - KAWABATA, T. - KRASNOV, V.A. - KHRENOV, A.N. - KISELEV, A.S. - KIZKA, V.A. - KLIMAN, Ján - KURILKIN, A.K. - KURILKIN, P.K. - LADYGINA, N.B. - LIVANOV, A.N. - MAEDA, Y. - MALAKHOV, A.I. - MATOUŠEK, Vladislav - MORHÁČ, Miroslav - NISHIKAWA, J. - PILIPENKO, Yu.K. - OHNISHI, T. - OKAMURA, H. - PIYADIN, S.M. - REZNIKOV, S.G. - SAITO, T. - SAKAGUCHI, H. - SAKAI, H. - SAKAMOTO, N. - SAKODA, S. - SASAMOTO, Y. - SATOU, Y. - SEKIGUCHI, K. - SUDA, K. - SHIKHALEV, M.A. - TAMI, A. - TURZO, Ivan - UCHIGASHIMA, N. - VASILIEV, T.A. - YAKO, K. - ZOLIN, L.S. Status of the investigation of the spin structure of d, H-3 and He-3 at VBLHE using polarized and unpolarized deuteron beam. In *Physics and Atomic Nuclei*, 2008, vol. 71, no. 9, p. 1495-1501.

Ohlasy:

1. [1.1] ARTIOMOV, A. S. Methods for Organizing the Interaction of Circulating Particle Beams with Internal Targets in Nuclear Physics Experiments at Synchrotrons and Storage Rings. In PHYSICS OF PARTICLES AND NUCLEI. ISSN 1063-7796, 2017, vol. 48, no. 3, pp. 455-487., Registrované v: WOS

ADCA524 JANKOVIČ, Ľuboš - VÉGSO, Karol - ŠIFFALOVIČ, Peter - ŠAUŠA, Ondrej - ČAPLOVIČ, Ľubomír - ČAPLOVIČOVÁ, Mária - MEDLÍN, Rostislav - UHLÍK, Peter - NÓGELLOVÁ, Zuzana. XRD, SAXS, and PALS investigations of three different polymers reinforced with tetraoctylammonium exchanged montmorillonite. In *International Journal of Polymer Analysis and Characterization*, 2016, vol. 21, no. 6, p. 524-536. (2015: 1.515 - IF, Q3 - JCR, 0.478 - SJR, Q2 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 1023-666X. Dostupné na: <https://doi.org/10.1080/1023666X.2016.1176760>

Ohlasy:

1. [1.1] RYCHTER, Marek - MILANOWSKI, Bartłomiej - GRZESKOWIAK, Bartosz F. - JAREK, Marcin - KEMPINSKI, Mateusz - COY, Emerson L. - BORYSIK, Sławomir - BARANOWSKA-KORCZYK, Anna - LULEK, Janina. Cilostazol-loaded electrospun three-dimensional systems for potential cardiovascular application: Effect of fibers hydrophilization on drug release, and cytocompatibility. In JOURNAL OF COLLOID AND INTERFACE SCIENCE. ISSN 0021-9797, 2019, vol. 536, pp. 310-327., Registrované v: WOS

ADCA525 JANOŠEK, M. - VYHNÁNEK, J. - ZIKMUND, A. - BUTVIN, Pavol - BUTVINOVÁ, Beata. Effects of core dimensions and manufacturing procedure on

fluxgate noise. In *Acta Physica Polonica A*, 2014, vol. 126, no. 1, p. 104-105. (2013: 0.604 - IF, Q4 - JCR, 0.345 - SJR, Q3 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1898-794X. Dostupné na: <https://doi.org/10.12693/APhysPolA.126.104>

Ohlasy:

1. [1.1] BUTTA, M. Effect of Thickness of Electroplated NiFe Cores on the Noise of Fluxgates. In *ACTA PHYSICA POLONICA A*. ISSN 0587-4246, 2017, vol. 131, no. 4, pp. 756-758., Registrované v: WOS

ADCA526 JANOTOVÁ, Irena - ZIGO, Juraj - ŠVEC, Peter Jr. - MAŤKO, Igor - JANIČKOVIČ, Dušan - ŠVEC, Peter. Analysis of phase transformations in Fe-(Co)-B-Si-(P). In *Journal of Alloys and Compounds*, 2015, vol. 643, s265-S269. (2014: 2.999 - IF, Q1 - JCR, 1.117 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 0925-8388. Dostupné na: <https://doi.org/10.1016/j.jallcom.2015.01.104>

Ohlasy:

1. [1.1] HAN, Y. - INOUE, A. - KONG, F. L. - CHANG, C. T. - SHU, S. L. - SHALAN, E. - AL-MARZOUKI, F. Softening and good ductility for nanocrystal-dispersed amorphous Fe-Co-B alloys with high saturation magnetization above 1.7 T. In *JOURNAL OF ALLOYS AND COMPOUNDS*. ISSN 0925-8388, 2016, vol. 657, pp. 237-245., Registrované v: WOS
2. [1.1] IMANI, M. - ENAYATI, M. H. - BASAK, A. K. A novel approach for mechanical alloying amorphisation in magnetic Fe-Co alloy system. In *MATERIALS RESEARCH EXPRESS*. ISSN 2053-1591, 2019, vol. 6, no. 7, 076575., Registrované v: WOS
3. [1.1] RADON, Adrian - WLODARCZYK, Patryk - HAWELEK, Lukasz - KADZIOLKA-GAWEL, Mariola - GEBARA, Piotr - NOWOSIELSKI, Ryszard - BABILAS, Rafal. Thermodynamic approach for determining chemical composition of Fe-Co based amorphous alloys with high thermal stability and glass forming ability. In *JOURNAL OF ALLOYS AND COMPOUNDS*. ISSN 0925-8388, 2018, vol. 763, pp. 141-152., Registrované v: WOS
4. [1.1] SITEK, J. - HOLKOV, D. - BUTVIN, B. - BUTVIN, P. - DEKAN, J. Magnetic Properties of Nanocrystalline Fe₈₃Sn₅B₁₂ Alloys after Electron Irradiation of Precursor. In *ACTA PHYSICA POLONICA A*. ISSN 0587-4246, 2020, vol. 137, no. 5, pp. 824-826., Registrované v: WOS
5. [1.1] ZHOU, L. - WANG, G. T. - ZHENG, L. B. - YANG, Y. Z. The Effect of Hf Substituting for Cu on the Glass-Forming Ability, Crystallization Behavior, and Saturation Magnetization in Fe₈₅Si₂B₈P₄Cu_{1-x}Hf_x Alloys. In *JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM*. ISSN 1557-1939, 2018, vol. 31, no. 12, pp. 3959-3964., Registrované v: WOS

ADCA527 JANOTOVÁ, Irena** - ŠVEC, Peter - ŠVEC, Peter Jr. - MAŤKO, Igor - JANIČKOVIČ, Dušan - KUNCA, Branislav - MARCIN, Jozef - ŠKORVÁNEK, Ivan. Formation of magnetic phases in rapidly quenched Mn-based systems. In *Journal of Alloys and Compounds*, 2018, vol. 749, p. 128-133. (2017: 3.779 - IF, Q1 - JCR, 1.020 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 0925-8388. Dostupné na: <https://doi.org/10.1016/j.jallcom.2018.03.208>

Ohlasy:

1. [1.1] GABAY, A. M. - HADJIPANAYIS, G. C. - CUI, J. Effect of Sb

substitution on crystal structure, texture and hard magnetic properties of melt-spun MnBi alloys. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2019, vol. 792, pp. 77-86., Registrované v: WOS

2. [1.1] SAETANG, P. - CHAROENSUK, T. - BOONYANG, U. - JANTARATANA, P. - SIRISATHITKUL, C. Phase Transformations in Mn-Al and Mn-Bi Magnets by Repeated Heat Treatment. In TRANSACTIONS OF THE INDIAN INSTITUTE OF METALS. ISSN 0972-2815, 2020, vol. 73, no. 4, pp. 929-936., Registrované v: WOS

3. [1.1] SIRISATHITKUL, Chitnarong. Recent developments of manganese-aluminium as rare-earth-free magnets. In ADVANCES IN MATERIALS RESEARCH-AN INTERNATIONAL JOURNAL. ISSN 2234-0912, 2020, vol. 9, no. 4, pp. 323-335., Registrované v: WOS

4. [1.1] THONGJUMPA, Panita - CHAROENSUK, Thanida - BOONYANG, Upsorn - HARDING, Phimpaka - SIRISATHITKUL, Chitnarong. Phase investigations of manganese-bismuth alloyed in a microwave furnace. In JOURNAL OF CENTRAL SOUTH UNIVERSITY. ISSN 2095-2899, 2020, vol. 27, no. 8, pp. 2220-2226., Registrované v: WOS

ADCA528 JANOTOVÁ, Irena** - ŠVEC, Peter - ŠVEC, Peter Jr. - MAŤKO, Igor - JANIČKOVIČ, Dušan - ZIGO, Juraj - MIHALKOVIČ, Marek - MARCIN, Jozef - ŠKORVÁNEK, Ivan. Phase analysis and structure of rapidly quenched Al-Mn systems. In *Journal of Alloys and Compounds*, 2017, vol. 707, p. 137-141. (2016: 3.133 - IF, Q1 - JCR, 0.954 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 0925-8388. Dostupné na: <https://doi.org/10.1016/j.jallcom.2016.11.171>

Ohlasy:

1. [1.1] CRISAN, A. D. - VASILIU, F. - NICULA, R. - BARTHA, C. - MERCIONIU, I. - CRISAN, O. Thermodynamic, structural and magnetic studies of phase transformations in MnAl nanocomposite alloys. In MATERIALS CHARACTERIZATION. ISSN 1044-5803, 2018, vol. 140, pp. 1-8., Registrované v: WOS

2. [1.1] CUI, Jun - KRAMER, Matthew - ZHOU, Lin - LIU, Fei - GABAY, Alexander - HADJIPANAYIS, George - BALASUBRAMANIAN, Balamurugan - SELLMYER, David. Current progress and future challenges in rare-earth-free permanent magnets. In ACTA MATERIALIA. ISSN 1359-6454, 2018, vol. 158, pp. 118-137., Registrované v: WOS

3. [1.1] GENC, Ayse Merve - ACAR, Ozgun - TURAN, Servet - KALAY, Ilkay - SAVACI, Umut - KALAY, Yunus Eren. Investigation of phase selection hierarchy in Mn-Al alloys. In INTERMETALLICS. ISSN 0966-9795, 2019, vol. 115, art. no. UNSP 106617., Registrované v: WOS

4. [1.1] CHAROENSUK, Thanida - SAETANG, Panissa - RUTTANAPUN, Chesta - PHROMPET, Chaiwat - PINITSOONTORN, Supree - SIRISATHITKUL, Chitnarong. FERROMAGNETISM OF MANGANESE-ALUMINIUM ALLOYED WITH 0-3% CARBON FROM DIRECT INDUCTION MELTING AND SUBSEQUENT ANNEALING. In ROMANIAN REPORTS IN PHYSICS. ISSN 1221-1451, 2020, vol. 72, no. 3, 507., Registrované v: WOS

5. [1.1] JIA, Yuxiao - WU, Yuye - ZHAO, Shuang - WANG, Jingmin - JIANG, Chengbao. Relation between solidification microstructure and coercivity in MnAl permanent-magnet alloys. In INTERMETALLICS. ISSN 0966-9795,

2018, vol. 96, pp. 41-48., Registrované v: WOS

6. [1.1] LU, Wenquan - ZHANG, Naifang - DING, Zongye - YANG, Fan - HU, Qiaodan - ZENG, Long - LI, Jianguo. Bubble growth, intermetallic compounds dissolution and their interactions during heating of an Al-5wt.%Mn alloy by in-situ synchrotron radiography. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2020, vol. 822, 153554., Registrované v: WOS

7. [1.1] MARENKIN, S. F. - RIL', A. I. Al-Mn Hard Magnetic Alloys as Promising Materials for Permanent Magnets (Review). In RUSSIAN JOURNAL OF INORGANIC CHEMISTRY. ISSN 0036-0236, 2020, vol. 65, no. 14, pp. 2007-2019., Registrované v: WOS

8. [1.1] OYGARDEN, Vegar - RIAL, Javier - BOLLERO, Alberto - DELEDDA, Stefano. Phase-pure tau-MnAlC produced by mechanical alloying and a one-step annealing route. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2019, vol. 779, pp. 776-783., Registrované v: WOS

9. [1.1] PATEL, Ketan - ZHANG, Jingming - REN, Shenqiang. Rare-earth-free high energy product manganese-based magnetic materials. In NANOSCALE. ISSN 2040-3364, 2018, vol. 10, no. 25, pp. 11701-11718., Registrované v: WOS

10. [1.1] SALEHI, Mojtaba - MALEKSAEEDI, Saeed - FARNOUSH, Hamidreza - SHARON, Nai Mui Ling - MEENASHISUNDARAM, Ganesh Kumar - GUPTA, Manoj. An investigation into interaction between magnesium powder and Ar gas: Implications for selective laser melting of magnesium. In POWDER TECHNOLOGY. ISSN 0032-5910, 2018, vol. 333, pp. 252-261., Registrované v: WOS

11. [1.1] SIRISATHITKUL, Chitnarong. Recent developments of manganese-aluminium as rare-earth-free magnets. In ADVANCES IN MATERIALS RESEARCH-AN INTERNATIONAL JOURNAL. ISSN 2234-0912, 2020, vol. 9, no. 4, pp. 323-335., Registrované v: WOS

12. [1.1] SI, Pingzhan - QIAN, Huidong - WANG, Xinyou - YANG, Yang - PARK, Jihoon - GE, Hongliang - CHOI, Chul-Jin. High-Pressure Synthesis of High Coercivity Bulk MnAl-C Magnets from Melt-Spun Ribbons. In JOURNAL OF ELECTRONIC MATERIALS. ISSN 0361-5235, 2019, vol. 48, no. 2, pp. 794-798., Registrované v: WOS

13. [1.1] SI, Ping-Zhan - QIAN, Hui-Dong - CHOI, Chul-Jin - et al. In situ Observation of Phase Transformation in MnAl(C) Magnetic Materials. In MATERIALS. ISSN 1996-1944, 2017, vol. 10, no. 9, art. no. 1016., Registrované v: WOS

14. [1.1] SU, K. P. - HU, S. L. - WANG, H. O. - HUANG, S. - CHEN, X. X. - LIU, J. J. - HUO, D. X. - MA, L. - LIU, Z. W. Structural and magnetic properties of Mn₅₀Al₄₆Cu₄C₃ flakes obtained by surfactant-assisted ball milling. In MATERIALS RESEARCH EXPRESS. ISSN 2053-1591, 2019, vol. 6, no. 10, art. no. 106125., Registrované v: WOS

15. [1.1] TONG, Xing - SHARMA, Parmanand - MAKINO, Akihiro. Investigations on low energy product of MnAl magnets through recoil curves. In JOURNAL OF PHYSICS D-APPLIED PHYSICS. ISSN 0022-3727, 2020, vol. 53, no. 17, 175001., Registrované v: WOS

16. [1.1] VAN TANG NGUYEN - CALVAYRAC, Florent - BAJOREK, Anna - RANDRIANANTOANDRO, Nirina. Mechanical alloying and theoretical

studies of MnAl(C) magnets. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2018, vol. 462, pp. 96-104., Registrované v: WOS

17. [1.1] XIANG, Zhen - SONG, Yiming - DENG, Baiwen - CUI, Erbiao - YU, Lunzhou - LU, Wei. Enhanced formation and improved thermal stability of ferromagnetic tau phase in nanocrystalline Mn₅₅Al₄₅ alloys by Co addition. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2019, vol. 783, pp. 416-422., Registrované v: WOS

18. [1.1] XIANG, Zhen - WANG, Xiao - SONG, Yiming - YU, Lunzhou - CUI, Erbiao - DEN, Baiwen - BATALU, Dan - LU, Wei. Effect of cooling rates on the microstructure and magnetic properties of MnAl permanent magnetic alloys. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2019, vol. 475, pp. 479-483., Registrované v: WOS

19. [1.1] XIANG, Zhen - XU, Chenfeng - WANG, Taolei - SONG, Yiming - YANG, Huawei - LU, Wei. Enhanced magnetization and energy product in isotropic nanocrystalline Mn₅₅Al₄₅ alloys with boron doping. In INTERMETALLICS. ISSN 0966-9795, 2018, vol. 101, pp. 13-17., Registrované v: WOS

ADCA529 JANOTOVÁ, Irena - HOŠKO, Jozef - ŠVEC, Peter Jr. - MAŤKO, Igor - JANIČKOVIČ, Dušan - ŠVEC, Peter - GEMMING, T. - STOICA, M. The structure of rapidly quenched Fe-Co-B-Si based systems and the influence of addition of Cu and P. In *Journal of Alloys and Compounds*, 2014, vol. 615, s1, s198-S202. (2013: 2.726 - IF, Q1 - JCR, 1.064 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 0925-8388. Dostupné na: <https://doi.org/10.1016/j.jallcom.2013.12.044>

Ohlasy:

1. [1.1] OZTURK, Sultan - ICIN, Kursat - GENCTURK, Merve - GOBULUK, Metin - TOPAL, Ugur - SVEC, Peter. Surface and structural characterization of amorphous Fe,Co-based melt-spun ribbons subjected to heat treatment processes. In JOURNAL OF NON-CRYSTALLINE SOLIDS. ISSN 0022-3093, 2019, vol. 522, UNSP 119592., Registrované v: WOS

2. [1.1] OZTURK, Sultan - ICIN, Kursat - GENCTURK, Merve - GOBULUK, Metin - SVEC, Peter. Effect of heat treatment process on the structural and soft magnetic properties of Fe₃₈Co₃₈Mo₈B₁₅Cu ribbons. In JOURNAL OF NON-CRYSTALLINE SOLIDS. ISSN 0022-3093, 2020, vol. 527, 119745., Registrované v: WOS

3. [1.1] SRIVASTAVA, A. P. - DAS, N. - SHARMA, S. K. - SINHA, A. K. - SRIVASTAVA, D. - PUJARI, P. K. - DEY, G. K. Investigation of medium range order and glass forming ability of metallic glass Co₆₉Fe_xSi_{21-x}B₁₀ (x=3, 5, and 7). In JOURNAL OF PHYSICS D-APPLIED PHYSICS. ISSN 0022-3727, 2016, vol. 49, no. 22, 225303., Registrované v: WOS

ADCA530 JANOTOVÁ, Irena - HOŠKO, Jozef - ŠVEC, Peter Jr. - JANIČKOVIČ, Dušan - VLASÁK, Gabriel - ŠVEC, Peter. The study of magnetically soft Fe-B-P based nanostructures. In *Journal of Superconductivity and Novel Magnetism*, 2013, vol. 26, no. 4, p. 793-796. (2012: 0.702 - IF, Q4 - JCR, 0.420 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 1557-1939. Dostupné na: <https://doi.org/10.1007/s10948-012-1835-3>

Ohlasy:

1. [1.1] MIRZAEI, Sima - ARABI, Hossein - SAGHAFIAN, Hassan - BEITOLLAHI, Ali. Non-isothermal Primary Crystallization Kinetics of the Amorphous Fe_{85.3}B₁₁P₃CU_{0.7} Alloy. In JOURNAL OF NANOSTRUCTURES. ISSN 2251-7871, 2019, vol. 9, no. 3, pp. 442-452., Registrované v: WOS

ADCA531 JERDEL, Matej - CHESHKO, I. - HALAHOVETS, Y. - ŠIFFALOVÍČ, Peter - MATĚK, Igor - SENDERÁK, Rudolf - PROTSSENKO, S. - MAJKOVÁ, Eva - LUBY, Štefan. Annealing behaviour of structural and magnetic properties of evaporated Co thin films. In *Journal of Physics D: Applied Physics*, 2009, vol. 42, no. 13, 135406. (2008: 2.104 - IF, Q2 - JCR, 1.427 - SJR, Q1 - SJR, Current Contents - CCC). (2009 - Current Contents, SCOPUS). ISSN 0022-3727. Dostupné na: <https://doi.org/10.1088/0022-3727/42/13/135406>

Ohlasy:

1. [1.1] ASSHOFF, P. U. - SAMBRICIO, J. L. - ROONEY, A. P. - et al. Magnetoresistance of vertical Co-graphene-NiFe junctions controlled by charge transfer and proximity-induced spin splitting in graphene. In 2D MATERIALS. ISSN 2053-1583, 2017, vol. 4, no. 3, 031004., Registrované v: WOS
2. [1.1] DZHUMALIEV, A. S. - NIKULIN, Yu. V. - FILIMONOV, Yu. A. Influence of Annealing and Argon Pressure on the Microcrystalline Structure of Magnetron-Sputtered Textured Cobalt Films. In TECHNICAL PHYSICS. ISSN 1063-7842, 2018, vol. 63, no. 11, pp. 1678-1686., Registrované v: WOS
3. [1.1] KUMAR, Dileep - SINGH, Sadhana - GUPTA, Ajay. Effect of interface roughness on exchange coupling in polycrystalline Co/CoO bilayer structure: An in-situ investigation. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2016, vol. 120, no. 8, 085307., Registrované v: WOS
4. [1.1] LI, Guojian - DU, Jiaojiao - WANG, Qiang - WANG, Jianhao - GAO, Yang - LIU, Shiyang. Columnar growth structure dependent soft magnetic and electrical transport properties of Co nanocrystalline films evaporated with a high magnetic field. In MATERIALS CHEMISTRY AND PHYSICS. ISSN 0254-0584, 2018, vol. 217, pp. 493-503., Registrované v: WOS
5. [1.1] NGAMOU, Patrick Herve Tchoua - EL KASMI, Achraf - WEISS, Theodor - VIEKER, Henning - BEYER, Andre - ZIELASEK, Volkmar - KOHSE-HOEINGHAUS, Katharina - BAEUMER, Marcus. Investigation of the Growth Behaviour of Cobalt Thin Films from Chemical Vapour Deposition, Using Directly Coupled X-ray Photoelectron Spectroscopy. In ZEITSCHRIFT FÜR PHYSIKALISCHE CHEMIE-INTERNATIONAL JOURNAL OF RESEARCH IN PHYSICAL CHEMISTRY & CHEMICAL PHYSICS. ISSN 0942-9352, 2015, vol. 229, no. 10-12, pp. 1887-1905., Registrované v: WOS
6. [1.1] PAZUKHA, I. M. - SHCHOTKIN, V. V. - SHKURDODA, Yu. O. STRUCTURE, MAGNETIC AND MAGNETORESISTIVE PROPERTIES OF COMPOSITE MATERIALS BASED ON FERROMAGNETIC METALS AND ALLOYS WITH DIFFERENT TYPES OF DIELECTRIC MATRIX. In USPEKHI FIZIKI METALLOV-PROGRESS IN PHYSICS OF METALS. ISSN 1608-1021, 2019, vol. 20, no. 4, pp. 672-692., Registrované v: WOS
7. [1.1] PETRUSHENKO, S. I. - DUKAROV, S. V. - SUKHOV, V. N. Stability Limits of the Liquid Phase in the Layered Mo/Pb/Mo, Mo/Bi/Mo and Mo/In/Mo Film Systems. In JOURNAL OF NANO- AND ELECTRONIC PHYSICS. ISSN 2077-6772, 2016, vol. 8, no. 4, 04073., Registrované v: WOS

8. [1.1] SHKURDODA, Y. O. - PAZUKHA, I. M. - PETRENKO, R. M. - CHORNOUS, A. M. - DEKHTYARUK, L. V. Structure and magnetoresistive properties of three-layer thin films of spin-valve type. In CURRENT APPLIED PHYSICS. ISSN 1567-1739, 2020, vol. 20, no. 6, pp. 788-793., Registrované v: WOS
9. [1.1] VINAI, Giovanni - RESSEL, Barbara - TORELLI, Piero - LOI, Federico - GOBAUT, Benoit - CIANCIO, Regina - CASARIN, Barbara - CARETTA, Antonio - CAPASSO, Luca - PARMIGIANI, Fulvio - CUGINI, Francesco - SOLZI, Massimo - MALVESTUTO, Marco - CIPRIAN, Roberta. Giant magneto-electric coupling in 100 nm thick Co capped by ZnO nanorods. In NANOSCALE. ISSN 2040-3364, 2018, vol. 10, no. 3, pp. 1326-1336., Registrované v: WOS
10. [1.1] VOROBIOV, S. I. - SHUTYLIEVA, O. V. - PAZUKHA, I. M. - CHORNOUS, A. M. The annealing effect on structure, magnetoresistance and magnetic properties of Co/Bi/Co thin films. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2016, vol. 131, no. 6, 203., Registrované v: WOS
11. [1.1] ZHAO, Yue - WANG, Kai - YUAN, Shuang - LI, Guojian - MA, Yonghui - WANG, Qang. Solid-State Dewetting in Polycrystalline Co Films on Native Oxide Si(100) by Kirkendall Effects. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2019, vol. 123, no. 32, pp. 19572-19578., Registrované v: WOS
12. [1.2] LIU, Hongliang - CHEN, Leng. Microstructure and magnetic properties of Cu/Co bilayer films. In Gongneng Cailiao/Journal of Functional Materials. ISSN 10019731, 2017, vol. 48, no. 2, 02080 - 83, 02090., Registrované v: SCOPUS

ADCA532 JERGEL, Matej - HALAHOVETS, Y. - ŠIFFALOVIČ, Peter - VÉGSO, Karol - SENDERÁK, Rudolf - MAJKOVÁ, Eva - LUBY, Štefan. Behaviour of giant magnetoresistance in Co-Cu-Co pseudo spin-valves after magnetic annealing. In *Thin Solid Films*, 2011, vol. 520, p. 667-673. (2010: 1.935 - IF, Q1 - JCR, 1.132 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents). ISSN 0040-6090. Dostupné na: <https://doi.org/10.1016/j.tsf.2011.08.068>

Ohlasy:

1. [1.1] SAVITZKY, B.H. et al. Propagation of structural disorder in epitaxially connected quantum dot solids from atomic to micron scale. In NANO LETTERS, 2016, vol. 16, pp. 5714-5718., Registrované v: WOS
2. [1.1] SCHLAGE, Kai - BOCKLAGE, Lars - ERB, Denise - COMFORT, Jade - WILLE, Hans-Christian - ROEHLSBERGER, Ralf. Spin-Structured Multilayers: A New Class of Materials for Precision Spintronics. In ADVANCED FUNCTIONAL MATERIALS. ISSN 1616-301X, 2016, vol. 26, no. 41, pp. 7423-7430., Registrované v: WOS
3. [1.1] SVALOV, A. V. - KURLYANDSKAYA, G. V. - VAS'KOVSKIY, V. O. Thermo-sensitive spin valve based on layered artificial ferrimagnet. In APPLIED PHYSICS LETTERS. ISSN 0003-6951, 2016, vol. 108, no. 6, 063504., Registrované v: WOS
4. [1.1] SVALOV, A. V. - KURLYANDSKAYA, G. V. - BALYMOV, K. G. - VAS'KOVSKII, V. O. Spin valves based on amorphous ferrimagnetic Gd-Co films. In PHYSICS OF METALS AND METALLOGRAPHY. ISSN 0031-918X, 2016, vol. 117, no. 9, pp. 876-882., Registrované v: WOS

5. [1.1] SVALOV, A.V. et al. Pseudo-spin valve system prepared by magnetron sputtering with different argon pressure. In KEY ENGINEERING MATERIALS, 2015, vol. 644, p. 211-214., Registrované v: WOS

ADCA533 JERGEL, Matej - ŠIFFALOVIČ, Peter - VÉGSO, Karol - MAJKOVÁ, Eva - KORYTÁR, Dušan - ZÁPRAŽNÝ, Zdenko - PERLICH, J. - ZIBERI, B. - CORNEJO, M. - VAGOVIČ, P. Extreme x-ray beam compression for a high-resolution table-top grazing-incidence small-angle x-ray scattering setup. In *Journal of Applied Crystallography*, 2013, vol. 46, p. 1544-1550. (2012: 3.343 - IF, Q1 - JCR, 2.580 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 0021-8898. Dostupné na: <https://doi.org/10.1107/S0021889813024138>

Ohlasy:

1. [1.1] FEWSTER, Paul F. INSTRUMENTS FOR MEASURING SCATTERING PATTERNS. In X-RAY SCATTERING FROM SEMICONDUCTORS AND OTHER MATERIALS, 3RD EDITION, 2015, pp. 243-320., Registrované v: WOS

2. [1.1] ZHENG, Nan - YI, Zhiyong - LI, Zhenzhen - CHEN, Ran - LAI, Yuqing - MEN, Yongfeng. Achieving grazing-incidence ultra-small-angle X-ray scattering in a laboratory setup. In JOURNAL OF APPLIED CRYSTALLOGRAPHY. APR 2015, vol. 48, 2, p. 608-612., Registrované v: WOS

ADCA534 JERGEL, Matej - MIKULIK, P. - MAJKOVÁ, Eva - SENDERÁK, Rudolf - PINČÍK, Emil - BRUNEL, M. - HUDEK, Peter - KOSTIČ, Ivan - KONEČNÍKOVÁ, Anna. Structural characterization of lamellar multilayer gratings by X-ray reflectivity and scanning electron. In *Journal of Physics D*, 1999, vol. 32, no. 10A, p. A220-A223. (1998: 1.114 - IF, Current Contents - CCC). (1999 - Current Contents, SCOPUS).

Ohlasy:

1. [1.1] LOUNIS, Lounes - SPEZZANI, Carlo - DELAUNAY, Renaud - FORTUNA, Franck - OBSTBAUM, Martin - GUENTHER, Stefan - BACK, Christian H. - POPESCU, Horia - VIDAL, Franck - SACCHI, Maurizio. Temperature and field dependent magnetization in a sub- μ m patterned Co/FeRh film studied by resonant x-ray scattering. In JOURNAL OF PHYSICS D-APPLIED PHYSICS. ISSN 0022-3727, 2016, vol. 49, no. 20, pp., Registrované v: WOS

2. [1.1] PASHAEV, E. M. - VASILIEV, A. L. - SUBBOTIN, I. A. - PRUTSKOV, G. - CHESNOKOV, Yu M. - KOVALCHUK, M. - ANTROPOV, N. O. - KRAVTSOV, E. A. - PROGLYADO, V. V. - USTINOV, V. V. Analysis of Structural Features of Periodic Fe/Pd/Gd/Pd Multilayered Systems. In CRYSTALLOGRAPHY REPORTS. ISSN 1063-7745, 2020, vol. 65, no. 6, pp. 985-994., Registrované v: WOS

3. [3.1] PFLÜGER Mika. Using grazing incidence small-angle X-ray scattering (GISAXS) for semiconductor nanometrology and defect quantification. In Doctoral thesis, dec. 2020, DOI: 10.18452/22207.

ADCA535 JERGEL, Matej - MIKULIK, P. - MAJKOVÁ, Eva - SENDERÁK, Rudolf - PINČÍK, Emil - BRUNEL, M. - HUDEK, Peter - KOSTIČ, Ivan - KONEČNÍKOVÁ, Anna. Structural characterization of a lamellar W/Si multilayer

grating. In *Journal of Applied Physics*, 1999, vol. 85, no. 2, p. 1225-1227. (1998: 1.729 - IF, Current Contents - CCC). (1999 - Current Contents, WOS, SCOPUS). ISSN 0021-8979. Dostupné na: <https://doi.org/10.1063/1.369346>

Ohlasy:

1. [1.1] IRZHAK, D. V. - KNYASEV, M. A. - PUNEGOV, V. I. - ROSHCHUPKIN, D. V. X-ray diffraction by phase diffraction gratings. In JOURNAL OF APPLIED CRYSTALLOGRAPHY. ISSN 1600-5767, 2015, vol. 48, pp. 1159-1164., Registrované v: WOS
2. [1.1] PASHAEV, E. M. - VASILIEV, A. L. - SUBBOTIN, I. A. - PRUTSKOV, G. - CHESNOKOV, Yu M. - KOVALCHUK, M. - ANTROPOV, N. O. - KRAVTSOV, E. A. - PROGLYADO, V. V. - USTINOV, V. V. Analysis of Structural Features of Periodic Fe/Pd/Gd/Pd Multilayered Systems. In CRYSTALLOGRAPHY REPORTS. ISSN 1063-7745, 2020, vol. 65, no. 6, pp. 985-994., Registrované v: WOS
3. [1.1] PFLUEGER, Mika - SOLTWISCH, Victor - PROBST, Juergen - SCHOLZE, Frank - KRUMREY, Michael. Grazing-incidence small-angle X-ray scattering (GISAXS) on small periodic targets using large beams. In IUCRJ. ISSN 2052-2525, 2017, vol. 4, no., pp. 431-438., Registrované v: WOS
4. [1.1] PUNEGOV, V. I. - PAVLOV, K. M. - KARPOV, A. V. - et al. Applications of dynamical theory of X-ray diffraction by perfect crystals to reciprocal space mapping. In JOURNAL OF APPLIED CRYSTALLOGRAPHY. ISSN 1600-5767, 2017, vol. 50, pp. 1256-1266, part 5., Registrované v: WOS
5. [1.1] SOLTWISCH, Victor - LAUBIS, Christian - HERRERO, Analia Fernandez - et al. Investigating surface structures by EUV scattering. In EXTREME ULTRAVIOLET (EUV) LITHOGRAPHY VIII. ISSN 0277-786X, 2017, vol. 10143, UNSP 101430P., Registrované v: WOS
6. [1.1] SOLTWISCH, Victor - HERRERO, Analia Fernandez - PFLUEGER, Mika - et al. Reconstructing detailed line profiles of lamellar gratings from GISAXS patterns with a Maxwell solver. In JOURNAL OF APPLIED CRYSTALLOGRAPHY. ISSN 1600-5767, 2017, vol. 50, pp. 1524-1532, part 5., Registrované v: WOS
7. [1.2] PERSHIN, Yu P. - DEVIZENKO, A. Yu - KONDRATENKO, V. V. - MODROW, H. - HORMES, F. J. Structural and X-ray-optical characteristics of the W/Si multilayer X-ray mirrors. In Metallofizika i Noveishie Tekhnologii. ISSN 10241809, 2016-01-01, 38, 3, pp. 367-388., Registrované v: SCOPUS

ADCA536 JERGEL, Matej - BOCHNICEK, Z. - MAJKOVÁ, Eva - SENDERÁK, Rudolf - LUBY, Štefan. Thermally activated interface shift in the tungsten/silicon multilayers. In *Applied Physics Letters*, 1996, vol. 69, no. 7, p. 919-921. (1996 - Current Contents, SCOPUS). ISSN 0003-6951.

Ohlasy:

1. [1.1] RAO, P. N. - RAI, S. K. - SINHA, A. K. - SINGH, M. N. - LODHA, G. S. Thermally induced interface changes in W/B4C multilayers. In THIN SOLID FILMS. ISSN 0040-6090, 2015, vol. 589, pp. 268-271., Registrované v: WOS
2. [1.1] ZHANG JIN-SHUAI - HUANG QIU-SHI - JIANG LI - QI RUN-ZE - YANG YANG - WANG FENG-LI - ZHANG ZHONG - WANG ZHAN-SHAN. Stress and structure properties of X-ray W/Si multilayer under

low temperature annealing. In ACTA PHYSICA SINICA. ISSN 1000-3290, 2016, vol. 65, no. 8, 086101., Registrované v: WOS

ADCA537 JERĚEL, Matej - OŽVOLD, Milan - SENDERÁK, Rudolf - LUBY, Štefan - MAJKOVÁ, Eva. Ultrashort period Cu/Si and Ni/C multilayers for X-ray mirrors. In *Zeitschrift für Kristallographie*, 2006, suppl. 23, p. 305-310.

Ohlasy:

1. [1.1] PRADHAN, P. C. - GANGIR, D. - MAJHI, A. - NAYAK, M. - BISWAS, A. - BHATTACHARYYA, D. - LODHA, G. S. Fabrication and performance of a high resolution ultra-short period W/B4C multilayer structure. In JOURNAL OF PHYSICS D-APPLIED PHYSICS. ISSN 0022-3727, 2016, vol. 49, no. 13, 045308., Registrované v: WOS
2. [1.1] PRADHAN, P. C. - MAJHI, A. - NAYAK, M. - NAND, Mangla - RAJPUT, P. - SHUKLA, D. K. - BISWAS, A. - RAI, S. K. - JHA, S. N. - BHATTACHARYYA, D. - PHASE, D. M. - SAHOO, N. K. Interface structure in nanoscale multilayers near continuous-to-discontinuous regime. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2016, vol. 120, no. 4, 135305., Registrované v: WOS
3. [1.1] PRADHAN, P. C. - NAYAK, M. - MONDAL, P. - LODHA, G. S. Interface study and performance of large layer pair ultra-short period W/B4C x-ray multilayer. In AIP Conference Proceedings, 2015, vol. 1665, 080030., Registrované v: WOS

ADCA538 JERĚEL, Matej - HOLY, V. - MAJKOVÁ, Eva - LUBY, Štefan - SENDERÁK, Rudolf - STOCK, H.J. - MENKE, D. - KLEINEBERG, U. - HEINZMANN, U. X-ray scattering study of interface roughness correlation in Mo/Si and Ti/C multilayers for X-UV optics. In *Physica B: Condensed Matter*, 1998, vol. 253, no. 1-2, p. 28-39. (1997: 0.991 - IF, Current Contents - CCC). (1998 - Current Contents). ISSN 0921-4526.

Ohlasy:

1. [1.1] ZAMESHIN, Andrey - MAKHOTKIN, Igor A. - YAKUNIN, Sergey N. - VAN DE KRUIJS, Robbert W. E. - YAKSHIN, Andrey E. - BIJKERK, Fred. Reconstruction of interfaces of periodic multilayers from X-ray reflectivity using a free-form approach. In JOURNAL OF APPLIED CRYSTALLOGRAPHY. ISSN 1600-5767, 2016, vol. 49, pp. 1300-1307., Registrované v: WOS
2. [1.2] VAN DEN BOS, R. A.J.M. - REININK, J. - LOPAEV, D. V. - LEE, C. J. - BENSCHOP, J. P.H. - BIJKERK, F. Influence of internal stress and layer thickness on the formation of hydrogen induced thin film blisters in Mo/Si multilayers. In JOURNAL OF PHYSICS D: Applied Physics. ISSN 00223727, 2018, vol. 51, no. 11, 115302., Registrované v: SCOPUS

ADCA539 JEX, I. - BUŽEK, Vladimír. Multiphoton coherent states and the linear superposition principle. In *Journal of Modern Optics*, 1993, vol. 40, no. 5, p. 771-783. ISSN 0950-0340. Dostupné na: <https://doi.org/10.1080/09500349314550811>

Ohlasy:

1. [1.1] ABBASI, O. - JAFARI, A. Four-photon nonlinear coherent states. In JOURNAL OF MODERN OPTICS. ISSN 0950-0340, 2017, vol. 64, no. 1, pp. 32-45., Registrované v: WOS

2. [1.1] DIAZ-BAUTISTA, Erik - FERNANDEZ, David J. Graphene coherent states. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2017, vol. 132, no. 11, 499., Registrované v: WOS
3. [1.1] DIAZ-BAUTISTA, Erik - FERNANDEZ C, David J. Multiphoton supercoherent states. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2019, vol. 134, no. 2, 61., Registrované v: WOS

ADCA540 JIRÁSKOVÁ, Yvonna - BURŠÍK, Jiří - JANIČKOVIČ, Dušan - ŽIVOTSKÝ, Ondřej**. Influence of preparation technology on microstructural and magnetic properties of Fe₂MnSi and Fe₂MnAl Heusler alloys. In *Materials*, 2019, vol. 12, no. 5, 710. (2018: 2.972 - IF, Q2 - JCR, 0.686 - SJR, Q2 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 1996-1944. Dostupné na: <https://doi.org/10.3390/ma12050710>

Ohlasy:

1. [1.1] WEI, Xiao-Ping - MA, Sheng-Ming - SUN, Xiao-Wei - GAO, Peifeng - ZHANG, Ya-Ling. The Tunable Electronic, Magnetic and Curie Temperature by Co Doping Fe₂-xCo_x MnAl Alloys. In ACTA PHYSICA POLONICA A. ISSN 0587-4246, 2019, vol. 136, no. 3, pp. 520-526., Registrované v: WOS

ADCA541 JIRASKOVA, Y.** - PIZUROVA, N. - TITOV, A. - JANIČKOVIČ, Dušan - FRIAK, M. Phase separation in Fe-Ti-Al alloy - Structural, magnetic, and Mössbauer study. In *Journal of Magnetism and Magnetic Materials*, 2018, vol. 468, p. 91 - 99. (2017: 3.046 - IF, Q2 - JCR, 0.786 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 0304-8853. Dostupné na: <https://doi.org/10.1016/j.jmmm.2018.07.065>

Ohlasy:

1. [1.1] BERRACHED, I - GALLOUZE, M. - ROUAIGUIA, L. - RABAHI, L. - GROSDIDIER, T. - DRIR, M. - KELLOU, A. Physical properties investigation of Fe_{1-x}Al_x (x ≤ 50%-at) alloys using DFT and Wagner-Schottky model. In PHYSICA SCRIPTA. ISSN 0031-8949, 2020, vol. 95, no. 11, 115702., Registrované v: WOS
2. [1.1] GRUDINSKY, Pavel - ZINOVEEV, Dmitry - PANKRATOV, Denis - SEMENOV, Artem - PANOVA, Maria - KONDRATIEV, Alex - ZAKUNOV, Andrey - DYUBANOV, Valery - PETELIN, Alexander. Influence of Sodium Sulfate Addition on Iron Grain Growth during Carbothermic Roasting of Red Mud Samples with Different Basicity. In METALS, 2020, vol. 10, no. 12, 1571., Registrované v: WOS

ADCA542 JORDAN, S.P. - KOBAYASHI, H. - NAGAJ, Daniel - NISHIMURA, H. Achieving perfect completeness in classical-witness quantum Merlin-Arthur proof. In *Quantum Information and Computation*, 2012, vol. 12, no. 5-6, p. 461-471. (2011: 1.659 - IF, Q1 - JCR, 1.014 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents). ISSN 1533-7146.

Ohlasy:

1. [1.1] GHARIBIAN, Sevag - SIKORA, Jamie. Ground State Connectivity of Local Hamiltonians. In ACM TRANSACTIONS ON COMPUTATION THEORY. ISSN 1942-3454, 2018, vol. 10, no. 2, 8., Registrované v: WOS
2. [1.1] GRILO, Alex Bredariol - KERENIDIS, Iordanis - SIKORA,

Jamie. QMA with Subset State Witnesses. In MATHEMATICAL FOUNDATIONS OF COMPUTER SCIENCE 2015, PT II. ISSN 0302-9743, 2015, vol. 9235, pp. 163., Registrované v: WOS

ADCA543 JUREČKA, S. - ANGERMANN, H. - KOBAYASHI, H. - TAKAHASHI, M. - PINČÍK, Emil. Multifractal analysis of textured silicon surfaces. In *Applied Surface Science*, 2014, vol. 301, p. 46-50. (2013: 2.538 - IF, Q1 - JCR, 0.965 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents). ISSN 0169-4332.

Dostupné na: <https://doi.org/10.1016/j.apsusc.2014.02.102>

Ohlasy:

1. [1.1] BALAMURUGAN, R. - PRAKASAM, R. Surface Roughness Characterization of Annealed Polycrystalline Silicon Solar Wafers Using a Laser Speckle Imaging (LSI) Technique. In *LASERS IN ENGINEERING*. ISSN 0898-1507, 2020, vol. 47, no. 4-6, pp. 317-334., Registrované v: WOS
2. [1.1] MEI, Chunlian - ZOU, Jiaren - HUANG, Xu - ZOU, Bugao - ZHOU, Peiqi - GAN, Zhikai - HU, Jieqiong - ZHANG, Qian - WANG, Hui. High sensitive position-dependent photodetection observed in Cu-covered Si nanopillars. In *NANOTECHNOLOGY*. ISSN 0957-4484, 2018, vol. 29, no. 20, 205203., Registrované v: WOS
3. [1.1] MODABBERASL, A. - SHARIFI, M. - SHAHBAZI, F. - KAMELI, P. Multifractal analysis of DLC thin films deposited by pulsed laser deposition. In *APPLIED SURFACE SCIENCE*. ISSN 0169-4332, 2019, vol. 479, no. 15, pp. 639-645., Registrované v: WOS

ADCA544 JUREČKA, S. - KOBAYASHI, H. - TAKAHASHI, M. - MATSUMOTO, T. - JUREČKOVÁ, Mária - CHOVANEC, F. - PINČÍK, Emil. On the influence of the surface roughness onto the ultrathin SiO₂/ Si structure properties. In *Applied Surface Science*, 2010, vol. 256, p. 5623-5628. (2009: 1.616 - IF, Q2 - JCR, 0.840 - SJR, Q1 - SJR, Current Contents - CCC). (2010 - Current Contents). ISSN 0169-4332.

Dostupné na: <https://doi.org/10.1016/j.apsusc.2010.03.030>

Ohlasy:

1. [1.1] GARG, Kavita - RAICHLIN, Sara - BENDIKOV, Tatyana - PECHT, Israel - SHEVES, Mordechai - CAHEN, David. Interface Electrostatics Dictates the Electron Transport via Bioelectronic Junctions. In *ACS APPLIED MATERIALS & INTERFACES*. ISSN 1944-8244, 2018, vol. 10, no. 48, pp. 41599-41607., Registrované v: WOS
2. [1.1] JOHN, Jisha - NAIR, Madhu S. - GOPCHANDRAN, K. G. - WILSCY, M. Uniformity analysis in nanocrystalline silver thin films using fuzzy inference system. In *SURFACE AND INTERFACE ANALYSIS*. ISSN 0142-2421, 2015, vol. 47, no. 1, pp. 161-165., Registrované v: WOS
3. [1.1] JOHN, Jisha - WILSCY, M. Image Processing Techniques for Surface Characterization of Nanostructures. In *PROCEEDINGS OF IEEE INTERNATIONAL CONFERENCE ON CIRCUIT, POWER AND COMPUTING TECHNOLOGIES (ICCPCT 2016)*, 2016., Registrované v: WOS

ADCA545 JUREČKA, S. - JUREČKOVÁ, Mária - CHOVANEC, Ferdinand - KOBAYASHI, H. - TAKAHASHI, M. - MIKULA, M. - PINČÍK, Emil. On the topographic and optical properties of SiC/SiO₂ surfaces. In *Central European Journal of Physics*, 2009, vol. 7, no. 2, p. 321-326. (2008: 0.448 - IF, Q4 - JCR,

Current Contents - CCC). (2009 - Current Contents, WOS, SCOPUS). ISSN 1895-1082. Dostupné na: <https://doi.org/10.2478/s11534-009-0021-0>

Ohlasy:

1. [1.1] HAN, You Sung - TOMAR, Vikas. An investigation into the influence of grain boundary misorientation on the tensile strength of SiC bicrystals. In *MECHANICS OF ADVANCED MATERIALS AND STRUCTURES*. ISSN 1537-6494, 2016, vol. 23, no. 6, pp. 494-502., Registrované v: WOS
2. [1.1] PEJOVA, Biljana - SHERIF, Emel - MINDE, Mona Wettrhus. Sonochemically Synthesized Quantum Nanocrystals of Cubic CuInS₂: Evidence for Multifractal Surface Morphology, Size-Dependent Structure, and Particle Size Distribution. In *JOURNAL OF PHYSICAL CHEMISTRY C*. ISSN 1932-7447, 2020, vol. 124, no. 37, pp. 20240-20255., Registrované v: WOS

ADCA546 JUREČKA, S. - KOBAYASHI, H. - TAKAHASHI, M. - MATSUMOTO, T. - PINČÍK, Emil. Properties of charge states in MOS structure with ultrathin oxide layer. In *Applied Surface Science*, 2012, vol. 258, no. 21, p. 8409-8414. (2011: 2.103 - IF, Q1 - JCR, 0.908 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents). ISSN 0169-4332. Dostupné na: <https://doi.org/10.1016/j.apsusc.2012.05.001>

Ohlasy:

1. [1.1] PISARENKO, T. A. - BALASHEV, V. V. - VIKULOV, V. A. - DIMITRIEV, A. A. - KOROBTSOV, V. V. Comparative Study of the Lateral Photovoltaic Effect in Fe₃O₄/SiO₂/n-Si and Fe₃O₄/SiO₂/p-Si Structures. In *PHYSICS OF THE SOLID STATE*. ISSN 1063-7834, 2018, vol. 60, no. 7, pp. 1316-1322., Registrované v: WOS

ADCA547 JUREČKA, S. - PINČÍK, Emil - BRUNNER, Róbert. Solution of the optical parameters of the thin film systems and interfaces. In *Applied Surface Science*, 2008, vol. 254, p. 3672-3676. Dostupné na: <https://doi.org/10.1016/j.apsusc.2007.10.076>

Ohlasy:

1. [1.1] KHERODIA, Ashok Kumar - PANCHAL, Ashish K. Estimation of Optical Properties of Multilayer Silicon Nano Films with Different Hydrogen Dilution. In *CLEAN, EFFICIENT AND AFFORDABLE ENERGY FOR A SUSTAINABLE FUTURE*. ISSN 1876-6102, 2015, vol. 75, pp. 2193-2198., Registrované v: WOS
2. [1.1] PAPEZ, Nikola - GAJDOS, Adam - SOBOLA, Dinara - DALLAEV, Rashid - MACKU, Robert - SKARVADA, Pavel - GRMELA, Lubomir. Effect of gamma radiation on properties and performance of GaAs based solar cells. In *APPLIED SURFACE SCIENCE*. ISSN 0169-4332, 2020, vol. 527, 146766., Registrované v: WOS

ADCA548 JUREČKA, S. - KOBAYASHI, H. - KIM, W.-B. - TAKAHASHI, M. - PINČÍK, Emil. Study of density interface states in MOS structure with ultrathin NAOS oxide. In *Central European Journal of Physics*, 2012, vol. 10, no. 1, p. 210-217. (2011: 0.909 - IF, Q3 - JCR, Current Contents - CCC). (2012 - Current Contents). ISSN 1895-1082. Dostupné na: <https://doi.org/10.2478/s11534-011-0092-6>

Ohlasy:

1. [1.1] RYAZANTSEV, D. V. - GRUDTSOV, V. P. Automatic

Parameter Extraction Technique for MOS Structures by C-V Characterization Including the Effects of Interface States. In MEASUREMENT SCIENCE REVIEW. ISSN 1335-8871, 2016, vol. 16, no. 5, pp. 266-272., Registrované v: WOS

ADCA549 KACZKOWSKI, Z. - VLASÁK, Gabriel - DUHAJ, Pavol. Piezomagnetic properties of annealed Fe-Cu-Nb-Si-B strips. In *Materials Science and Engineering A*, 1997, vol. 226, p. 676-680. (1996: 0.852 - IF, Current Contents - CCC). (1997 - Current Contents, WOS, SCOPUS). ISSN 0921-5093.

Ohlasy:

1. [1.1] NOSENKO, Anton - MIKA, Taras - SEMYRGA, Olexandr - NOSENKO, Viktor. Effect of Mechanical Stresses in Rapidly Heated Fe₇₃Cu₁Nb₃Si₁₆B₇ Ribbon Arising During the Ring Core Formation on Their Magnetic Properties. In NANOSCALE RESEARCH LETTERS. ISSN 1556-276X, 2017, vol. 12., Registrované v: WOS

ADCA550 KAISER, Michal - NÁDAŽDY, Vojtech - ŠIFFALOVÍČ, Peter - IVANČO, Ján - MAJKOVÁ, Eva. Correlation between electrical parameters and defect states of polythiophene:fullerene based solar cell. In *Thin Solid Films*, 2016, vol. 614, p. 16-24. (2015: 1.761 - IF, Q2 - JCR, 0.680 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0040-6090. Dostupné na: <https://doi.org/10.1016/j.tsf.2016.02.001>

Ohlasy:

1. [1.1] SACHDEVA, Sheenam - SINGH, Devinder - TRIPATHI, S. K. Optical and electrical properties of fullerene C70 for solar cell applications. In OPTICAL MATERIALS. ISSN 0925-3467, 2020, vol. 101, 109717. Dostupné na: <https://doi.org/10.1016/j.optmat.2020.109717>., Registrované v: WOS

ADCA551 KALANINOVÁ, Z. - ANTALIC, S. - ANDREYEV, A.N. - HESSBERGER, F.P. - ACKERMANN, D. - ANDEL, B. - BIANCO, L. - HOFMANN, S. - HUYSE, M. - KINDLER, B. - LOMMEL, B. - MANN, R. - PAGE, R.D. - SAPPLE, P.J. - THOMSON, J. - VAN DUPPEN, P. - VENHART, Martin. Decay of (201-20)3Ra and Fr200-202. In *Physical Review C*, 2014, vol. 89, no. 5, 054312. (2013: 3.881 - IF, Q1 - JCR, 2.584 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.89.054312>

Ohlasy:

1. [1.1] AURANEN, K. - JAKOBSSON, U. - BADRAN, H. - GRAHN, T. - GREENLEES, P. T. - HERZAN, A. - JULIN, R. - JUUTINEN, S. - KONKI, J. - LEINO, M. - LEPPANEN, A-P - O'NEILL, G. - PAKARINEN, J. - PAPADAKIS, P. - PARTANEN, J. - RAHKILA, P. - RUOTSALAINEN, P. - SANDZELIUS, M. - SAREN, J. - SCHOLEY, C. - SINCLAIR, L. - SORRI, J. - STOLZE, S. - UUSITALO, J. - VOSS, A. Isomeric 13/2(+) state in Fr-201. In PHYSICAL REVIEW C. ISSN 2469-9985, 2020, vol. 101, no. 2, 024306., Registrované v: WOS

2. [1.1] BASUNIA, M. Shamsuzzoha. Nuclear Data Sheets for A=193. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2017, vol. 143, pp. 1-381., Registrované v: WOS

3. [1.1] DENISOV, V.Yu. Improved parametrization of the unified model. In PHYSICAL REVIEW C, 2015, vol. 92, 014602., Registrované v:

WOS

4. [1.1] HUANG XIAOLONG - KANG MENGXIAO. Nuclear Data Sheets for A=198. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2016, vol. 133, pp. 221-416., Registrované v: WOS
5. [1.1] MA, L. - ZHANG, Z. Y. - GAN, Z. G. - ZHOU, X. H. - YANG, H. B. - HUANG, M. H. - YANG, C. L. - ZHANG, M. M. - TIAN, Y. L. - WANG, Y. S. - ZHOU, H. B. - HE, X. T. - MAO, Y. C. - HUA, W. - DUAN, L. M. - HUANG, W. X. - LIU, Z. - XU, X. X. - REN, Z. Z. - ZHOU, S. G. - XU, H. S. Short-Lived alpha-Emitting Isotope Np-222 and the Stability of the N=126 Magic Shell. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2020, vol. 125, no. 3, 032502., Registrované v: WOS
6. [1.1] SEIF, W.M. Nucleon pairing correlations. In PHYSICAL REVIEW C, 2015, vol. 91, 014322., Registrované v: WOS
7. [1.1] SCHMIDT, Karl-Heinz - JURADO, Beatriz. Review on the progress in nuclear fission-experimental methods and theoretical descriptions. In REPORTS ON PROGRESS IN PHYSICS. ISSN 0034-4885, 2018, vol. 81, no. 10, 106301., Registrované v: WOS
8. [1.1] SINGH, Balraj - CHEN, Jun. Nuclear Data Sheets for A=190*. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2020, vol. 169, pp. 1-390., Registrované v: WOS
9. [1.1] SINGH, Sukhjeet - KUMAR, Sushil - SINGH, Balraj - JAIN, A. K. Nuclear radius parameters ($r(0)$) for even-even nuclei from alpha decay. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2020, vol. 167, pp. 1-35., Registrované v: WOS
10. [1.1] TRUESDALE, V. L. - ANDREYEV, A. N. - GHYS, L. - HUYSE, M. - VAN DUPPEN, P. - SELS, S. - ANDEL, B. - ANTALIC, S. - BARZAKH, A. - CAPPONI, L. - COCOLIOS, T. E. - DERKX, X. - DE WITTE, H. - ELSEVIERS, J. - FEDOROV, D. V. - FEDOSSEEV, V. N. - HESSBERGER, F. P. - KALANINOVA, Z. - KOSTER, U. - LANE, J. F. W. - LIBERATI, V. - LYNCH, K. M. - MARSH, B. A. - MITSUOKA, S. - NAGAME, Y. - NISHIO, K. - OTA, S. - PAUWELS, D. - POPESCU, L. - RADULOV, D. - RAPISARDA, E. - ROTHE, S. - SANDHU, K. - SELIVERSTOV, M. D. - SJODIN, A. M. - VAN BEVEREN, C. - VAN DEN BERGH, P. - WAKABAYASHI, Y. beta-delayed fission and alpha decay of At-196. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 3., Registrované v: WOS
11. [1.1] WANG, Meng - AUDI, G. - KONDEV, F. G. - HUANG, W. J. - NAIMI, S. - XU, Xing. The AME2016 atomic mass evaluation (II). Tables, graphs and references. In CHINESE PHYSICS C. ISSN 1674-1137, 2017, vol. 41, no. 3, 030003., Registrované v: WOS

ADCA552 KALINAY, Pavol - PERCUS, J.K. Approximations of the generalized Fick-Jacobs equation. In *Physical Review E*, 2008, vol. 78, no. 2, 021103. (2007: 2.483 - IF, Q1 - JCR, 1.615 - SJR, Q1 - SJR, Current Contents - CCC). (2008 - Current Contents, WOS, SCOPUS). ISSN 2470-0045. Dostupné na: <https://doi.org/10.1103/PhysRevE.78.021103>

Ohlasy:

1. [1.1] BEREZHKOVSII, Alexander M. - DAGDUG, Leonardo - BEZRUKOV, Sergey M. Range of applicability of modified Fick-Jacobs equation in two dimensions. In JOURNAL OF CHEMICAL PHYSICS. ISSN

- 0021-9606, 2015, vol. 143, no. 16, 164102., Registrované v: WOS
2. [1.1] BEREZHKOVSII, Alexander M. - DAGDUG, Leonardo - BEZRUKOV, Sergey M. Peculiarities of the Mean Transition Path Time Dependence on the Barrier Height in Entropy Potentials. In JOURNAL OF PHYSICAL CHEMISTRY B. ISSN 1520-6106, 2020, vol. 124, no. 12, pp. 2305-2310., Registrované v: WOS
 3. [1.1] BIANCO, Valentino - MALGARETTI, Paolo. Non-monotonous polymer translocation time across corrugated channels: Comparison between Fick-Jacobs approximation and numerical simulations. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2016, vol. 145, no. 11, 114904., Registrované v: WOS
 4. [1.1] DAS, Moupriya - RAY, Deb Shankar. Landauer's blow-torch effect in systems with entropic potential. In PHYSICAL REVIEW E. ISSN 1539-3755, 2015, vol. 92, no. 5, 052133pp., Registrované v: WOS
 5. [1.1] CHAVEZ, Yoshua - CHACON-ACOSTA, Guillermo - DAGDUG, Leonardo. Effects of curved midline and varying width on the description of the effective diffusivity of Brownian particles. In JOURNAL OF PHYSICS-CONDENSED MATTER. ISSN 0953-8984, 2018, vol. 30, no. 19, 194001., Registrované v: WOS
 6. [1.1] MALGARETTI, Paolo - PAGONABARRAGA, Ignacio - RUBI, J. Miguel. Geometrically Tuned Channel Permeability. In MACROMOLECULAR SYMPOSIA. ISSN 1022-1360, 2015, vol. 357, no. 1, pp. 178., Registrované v: WOS
 7. [1.1] MALGARETTI, Paolo - PAGONABARRAGA, Ignacio - RUBI, J. Miguel. Entropically induced asymmetric passage times of charged tracers across corrugated channels. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2016, vol. 144, no. 3, 034901., Registrované v: WOS
 8. [1.1] MALGARETTI, Paolo - PAGONABARRAGA, Ignacio - MIGUEL RUBI, J. Rectification and Non-Gaussian Diffusion in Heterogeneous Media. In ENTROPY. ISSN 1099-4300, 2016, vol. 18, no. 11, 394., Registrované v: WOS
 9. [1.1] MALGARETTI, Paolo - STARK, Holger. Model microswimmers in channels with varying cross section. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2017, vol. 146, no. 17, 174901., Registrované v: WOS
 10. [1.1] MARCONI, Umberto Marini Bettolo - MALGARETTI, Paolo - PAGONABARRAGA, Ignacio. Tracer diffusion of hard-sphere binary mixtures under nano-confinement. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2015, vol. 143, no. 18, 184501., Registrované v: WOS
 11. [1.1] VALERO VALDES, Carlos. Effective diffusion on Riemannian fiber bundles. In JOURNAL OF MATHEMATICAL PHYSICS. ISSN 0022-2488, 2015, vol. 56, no. 2, 023507., Registrované v: WOS
 12. [1.1] VALERO VALDES, Carlos. Effective diffusion in the region between two surfaces. In PHYSICAL REVIEW E. ISSN 2470-0045, 2016, vol. 94, no. 2, 022121., Registrované v: WOS
 13. [1.1] WANG, Xinli - DRAZER, German. Transport of Brownian particles in a narrow, slowly varying serpentine channel. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2015, vol. 142, no. 15, 154114., Registrované v: WOS
 14. [1.1] WANG, Xinli. Biased transport of Brownian particles in a

weakly corrugated serpentine channel. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2016, vol. 144, no. 4, 044101., Registrované v: WOS

15. [1.1] YE, Kai - HUANG, Zong-Qiang - WU, Jian-Chun. Transport of Brownian particles controlled by a transversal oscillating force. In PHYSICA SCRIPTA. ISSN 0031-8949, 2019, vol. 94, no. 10, 105206., Registrované v: WOS

ADCA553 KALINAY, Pavol. Calculation of the mean first passage time tested on simple two-dimensional models. In *Journal of Chemical Physics*, 2007, vol. 126, no. 19, 194708. (2006: 3.166 - IF, Q1 - JCR, 2.254 - SJR, Q1 - SJR, Current Contents - CCC). (2007 - Current Contents). ISSN 0021-9606. Dostupné na: <https://doi.org/10.1063/1.2734148>

Ohlasy:

1. [1.1] AHMADI, Sheida - BOWLES, Richard K. Diffusion in quasi-one-dimensional channels: A small system n, p, T, transition state theory for hopping times. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2017, vol. 146, no. 15, 154505., Registrované v: WOS
2. [1.1] AHMADI, Sheida - SCHMIDT, Marina - SPITERI, Raymond J. - BOWLES, Richard K. The effect of soft repulsive interactions on the diffusion of particles in quasi-one-dimensional channels: A hopping time approach. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2019, vol. 150, no. 22, 224501., Registrované v: WOS
3. [1.1] CHVOSTA, Petr. Basics of Single-File Diffusion. In STOCHASTIC DYNAMICS AND ENERGETICS OF BIOMOLECULAR SYSTEMS. ISSN 2190-5053, 2016, pp. 7-30., Registrované v: WOS
4. [1.1] SUAREZ, G. - HOYUELOS, M. - MARTIN, H. Current of interacting particles inside a channel of exponential cavities: Application of a modified Fick-Jacobs equation. In PHYSICAL REVIEW E. ISSN 2470-0045, 2016, vol. 93, no. 6, 062129., Registrované v: WOS
5. [3.1] BIANCO, V - MALGARETTI, P. Non-monotonous polymer translocation time across corrugated channels: Comparison between Fick-Jacobs approximation and numerical simulations. In JOURNAL OF CHEMICAL PHYSICS. DOI 10.1063/1.4961697, 2016, vol. 145, no. 11, 114904.

ADCA554 KALINAY, Pavol - PERCUS, J.K. Corrections to the Fick-Jacobs equation. In *Physical Review E*, 2006, vol. 74, no. 4, 041203. (2005: 2.418 - IF, Q1 - JCR, 1.204 - SJR, Q1 - SJR, Current Contents - CCC). (2006 - Current Contents, WOS, SCOPUS). ISSN 2470-0045. Dostupné na: <https://doi.org/10.1103/PhysRevE.74.041203>

Ohlasy:

1. [1.1] ADROVER, Alessandra - PASSARETTI, Chiara - VENDITTI, Claudia - GIONA, Massimiliano. Exact moment analysis of transient dispersion properties in periodic media. In PHYSICS OF FLUIDS. ISSN 1070-6631, 2019, vol. 31, no. 11, 112002., Registrované v: WOS
2. [1.1] ADROVER, Alessandra - VENDITTI, Claudia - GIONA, Massimiliano. Laminar dispersion at low and high Peclet numbers in a sinusoidal microtube: Point-size versus finite-size particles. In PHYSICS OF FLUIDS. ISSN 1070-6631, 2019, vol. 31, no. 6, 062003., Registrované v: WOS
3. [1.1] BEREZHKOVSII, Alexander M. - DAGDUG, Leonardo -

- BEZRUKOV, Sergey M. Range of applicability of modified Fick-Jacobs equation in two dimensions. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2015, vol. 143, no. 16, 164102., Registrované v: WOS
4. [1.1] BEREZHKOVSKII, Alexander M. - DAGDUG, Leonardo - BEZRUKOV, Sergey M. Peculiarities of the Mean Transition Path Time Dependence on the Barrier Height in Entropy Potentials. In JOURNAL OF PHYSICAL CHEMISTRY B. ISSN 1520-6106, 2020, vol. 124, no. 12, pp. 2305-2310., Registrované v: WOS
5. [1.1] BODRENKO, Igor V. - SALIS, Samuele - ACOSTA-GUTIERREZ, Silvia - CECCARELLI, Matteo. Diffusion of large particles through small pores: From entropic to enthalpic transport. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2019, vol. 150, no. 21, 211102., Registrované v: WOS
6. [1.1] DAGDUG, Leonardo - GARCIA-CHUNG, Angel A. - CHACON-ACOSTA, Guillermo. On the description of Brownian particles in confinement on a non-Cartesian coordinates basis. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2016, vol. 145, no. 7, 074105., Registrované v: WOS
7. [1.1] DAS, Moupriya - RAY, Deb Shankar. Landauer's blow-torch effect in systems with entropic potential. In PHYSICAL REVIEW E. ISSN 1539-3755, 2015, vol. 92, no. 5, 052133., Registrované v: WOS
8. [1.1] DESSUP, Tommy - COSTE, Christophe - SAINT JEAN, Michel. Enhancement of Brownian motion for a chain of particles in a periodic potential. In PHYSICAL REVIEW E. ISSN 2470-0045, 2018, vol. 97, no. 2, 022103., Registrované v: WOS
9. [1.1] GARCIA-CHUNG, Angel A. - CHACON-ACOSTA, Guillermo - DAGDUG, Leonardo. On the covariant description of diffusion in two-dimensional confined environments. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2015, vol. 142, no. 6, 064105., Registrované v: WOS
10. [1.1] GREBENKOV, Denis S. - SKVORTSOV, Alexei T. Mean first-passage time to a small absorbing target in an elongated planar domain. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2020, vol. 22, no. 11, 113024., Registrované v: WOS
11. [1.1] HOLUBEC, Viktor - RYABOV, Artem - YAGHOUBI, Mohammad Hassan - et al. Thermal Ratchet Effect in Confining Geometries. In ENTROPY. ISSN 1099-4300, 2017, vol. 19, no. 3, 119., Registrované v: WOS
12. [1.1] HU, Cai-tian - OU, Ya-li - WU, Jian-chun - CHEN, Qun - AI, Bao-quan. Multiple current reversals of Brownian particles in periodic hydrodynamical channels. In JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT. ISSN 1742-5468, 2015, P05025., Registrované v: WOS
13. [1.1] CHACON-ACOSTA, G. - NUNEZ-LOPEZ, M. - PINEDA, I. Turing instability conditions in confined systems with an effective position-dependent diffusion coefficient. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2020, vol. 152, no. 2, 024101., Registrované v: WOS
14. [1.1] CHAVEZ, Yoshua - CHACON-ACOSTA, Guillermo - DAGDUG, Leonardo. Unbiased diffusion of Brownian particles in a helical tube. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2018, vol. 148, no.

- 21, 214106., Registrované v: WOS
15. [1.1] CHAVEZ, Yoshua - CHACON-ACOSTA, Guillermo - DAGDUG, Leonardo. Effects of curved midline and varying width on the description of the effective diffusivity of Brownian particles. In JOURNAL OF PHYSICS-CONDENSED MATTER. ISSN 0953-8984, 2018, vol. 30, no. 19, 194001., Registrované v: WOS
16. [1.1] CHAVEZ, Yoshua - VAZQUEZ, Marco-Vinicio - DAGDUG, Leonardo. Unbiased Diffusion through a Linear Porous Media with Periodic Entropy Barriers: A Tube Formed by Contacting Ellipses. In JOURNAL OF CHEMISTRY. ISSN 2090-9063, 2015, 986402., Registrované v: WOS
17. [1.1] JIANG JIE - AI BAO-QUAN - WU JIAN-CHUN. Directed Transport of Brownian Particles in a Periodic Channel. In COMMUNICATIONS IN THEORETICAL PHYSICS. ISSN 0253-6102, 2015, vol. 64, no. 3, pp. 320-324., Registrované v: WOS
18. [1.1] KHATRI, Narender - BURADA, P. S. Diffusion of interacting particles in a channel with reflection boundary conditions. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2019, vol. 151, no. 9, 094103., Registrované v: WOS
19. [1.1] KOIRALA, M. - SARMA, R. - CAO, H. - YAMILOV, A. Inverse design of long-range intensity correlation in scattering media. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 100, no. 6, 064203., Registrované v: WOS
20. [1.1] LI, Feng-guo - AI, Bao-quan. Manipulating channel asymmetries to control the mobility and diffusion of anisotropic particles. In PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS. ISSN 0378-4371, 2017, vol. 484, pp. 27-36., Registrované v: WOS
21. [1.1] MANGEAT, M. - GUERIN, T. - DEAN, D. S. Dispersion in two dimensional channels-the Fick-Jacobs approximation revisited. In JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT. ISSN 1742-5468, 2017, 123205., Registrované v: WOS
22. [1.1] MANGEAT, M. - GUERIN, T. - DEAN, D. S. Geometry controlled dispersion in periodic corrugated channels. In EPL. ISSN 0295-5075, 2017, vol. 118, no. 4, 40004., Registrované v: WOS
23. [1.1] MANGEAT, M. - GUERIN, T. - DEAN, D. S. Dispersion in two-dimensional periodic channels with discontinuous profiles. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2018, vol. 149, no. 12, 124105., Registrované v: WOS
24. [1.1] MANGEAT, M. - GUERIN, T. - DEAN, D. S. Effective diffusivity of Brownian particles in a two dimensional square lattice of hard disks. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2020, vol. 152, no. 23., Registrované v: WOS
25. [1.1] MARCONI, Umberto Marini Bettolo - MALGARETTI, Paolo - PAGONABARRAGA, Ignacio. Tracer diffusion of hard-sphere binary mixtures under nano-confinement. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2015, vol. 143, no. 18, 184501., Registrované v: WOS
26. [1.1] MIGUEL RUBI, J. Entropic diffusion in confined soft-matter and biological systems. In EPL. ISSN 0295-5075, 2019, vol. 127, no. 1, 10001., Registrované v: WOS
27. [1.1] PEREZ-ESPINOSA, Adriana - AGUILAR-CORNEJO, Manuel - DAGDUG, Leonardo. First-passage, transition path, and looping times in

- conical varying-width channels: Comparison of analytical and numerical results. In AIP ADVANCES, 2020, vol. 10, no. 5., Registrované v: WOS
28. [1.1] RYABOV, A. - HOLUBEC, V. - YAGHOUBI, M. H. - VARGA, M. - FOULAADVAND, M. E. - CHVOSTA, P. Transport coefficients for a confined Brownian ratchet operating between two heat reservoirs. In JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT. ISSN 1742-5468, 2016, 093202., Registrované v: WOS
29. [1.1] SIVAN, Matan - FARAGO, Oded. Probability distribution of Brownian motion in periodic potentials. In PHYSICAL REVIEW E. ISSN 2470-0045, 2018, vol. 98, no. 5, 052117., Registrované v: WOS
30. [1.1] SIVAN, Matan - FARAGO, Oded. Non-steady-state diffusion in two-dimensional periodic channels. In PHYSICAL REVIEW E. ISSN 2470-0045, 2019, vol. 99, no. 2, 022141., Registrované v: WOS
31. [1.1] SLANINA, Frantisek. Movement of spherical colloid particles carried by flow in tubes of periodically varying diameter. In PHYSICAL REVIEW E. ISSN 2470-0045, 2019, vol. 99, no. 1, 012604., Registrované v: WOS
32. [1.1] SLANINA, Frantisek. Colloid particles in microfluidic inertial hydrodynamic ratchet at moderate Reynolds number. In PHYSICAL REVIEW E. ISSN 2470-0045, 2020, vol. 102, no. 5, 052601., Registrované v: WOS
33. [1.1] VALERO VALDES, Carlos. Effective diffusion on Riemannian fiber bundles. In JOURNAL OF MATHEMATICAL PHYSICS. ISSN 0022-2488, 2015, vol. 56, no. 2, 023507., Registrované v: WOS
34. [1.1] VALERO VALDES, Carlos. Effective diffusion in the region between two surfaces. In PHYSICAL REVIEW E. ISSN 2470-0045, 2016, vol. 94, no. 2, 022121., Registrované v: WOS
35. [1.1] VALOV, A. - AVETISOV, V - NECHAEV, S. - OSHANIN, G. Field-driven tracer diffusion through curved bottlenecks: fine structure of first passage events. In PHYSICAL CHEMISTRY CHEMICAL PHYSICS. ISSN 1463-9076, 2020, vol. 22, no. 33, pp. 18414-18422., Registrované v: WOS
36. [1.1] VERDEL, Roberto - DAGDUG, Leonardo - BEREZHKOVSII, Alexander M. - BEZRUKOV, Sergey M. Unbiased diffusion in two-dimensional channels with corrugated walls. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2016, vol. 144, no. 8, 084106., Registrované v: WOS
37. [1.1] WANG, Rang - ZHOU, Jia-Ning - LIU, Xue-Mei - XIAO, Hua. Transport and efficiency of Brownian particles in confined narrow channels with a periodic driving force. In INTERNATIONAL JOURNAL OF MODERN PHYSICS B. ISSN 0217-9792, 2015, vol. 29, no. 5, 1550026., Registrované v: WOS
38. [1.1] WANG, Xinli - DRAZER, German. Transport of Brownian particles in a narrow, slowly varying serpentine channel. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2015, vol. 142, no. 15, 154114., Registrované v: WOS
39. [1.1] WANG, Xinli. Biased transport of Brownian particles in a weakly corrugated serpentine channel. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2016, vol. 144, no. 4, 044101., Registrované v: WOS
40. [1.1] WU, Jian-chun - CHEN, Qua - AI, Bao-quan. Entropic transport of active particles driven by a transverse ac force. In PHYSICS LETTERS A.

ISSN 0375-9601, 2015, vol. 379, no. 47-48, pp. 3025-3028., Registrované v: WOS

41. [1.1] YANG, Xiang - LIU, Chang - LI, Yunyun - et al. Hydrodynamic and entropic effects on colloidal diffusion in corrugated channels. In PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA. ISSN 0027-8424, 2017, vol. 114, no. 36, pp. 9564-9569., Registrované v: WOS

42. [1.1] YANG, Xiang - ZHU, Qian - LIU, Chang - WANG, Wei - LI, Yunyun - MARCHESONI, Fabio - HANGGI, Peter - ZHANG, H. P. Diffusion of colloidal rods in corrugated channels. In PHYSICAL REVIEW E. ISSN 2470-0045, 2019, vol. 99, no. 2, 020601., Registrované v: WOS

43. [1.1] YE, Kai - HUANG, Zong-Qiang - WU, Jian-Chun. Transport of Brownian particles controlled by a transversal oscillating force. In PHYSICA SCRIPTA. ISSN 0031-8949, 2019, vol. 94, no. 10, 105206., Registrované v: WOS

44. [1.1] ZIEPKE, A. - MARTENS, S. - ENGEL, H. Wave propagation in spatially modulated tubes. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2016, vol. 145, no. 9, 094108., Registrované v: WOS

ADCA555 KALINAY, Pavol** - SLANINA, František. Dimensional reduction of a general advection-diffusion equation in 2D channels. In *Journal of Physics: Condensed Matter*, 2018, vol. 30, no. 24, art. no. 244002. (2017: 2.617 - IF, Q2 - JCR, 0.875 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 0953-8984. Dostupné na: <https://doi.org/10.1088/1361-648X/aac146>

Ohlasy:

1. [1.1] AHMADI, Sheida - SCHMIDT, Marina - SPITERI, Raymond J. - BOWLES, Richard K. The effect of soft repulsive interactions on the diffusion of particles in quasi-one-dimensional channels: A hopping time approach. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2019, vol. 150, no. 22, 224501., Registrované v: WOS

2. [1.1] MALGARETTI, Paolo - OSHANIN, Gleb - TALBOT, Julian. Special issue on transport in narrow channels. In JOURNAL OF PHYSICS-CONDENSED MATTER. ISSN 0953-8984, 2019, vol. 31, no. 27, 270201., Registrované v: WOS

ADCA556 KALINAY, Pavol. Effective one-dimensional description of confined diffusion biased by a transverse gravitational force. In *Physical Review E*, 2011, vol. 84, no.1, 011118. (2010: 2.352 - IF, Q1 - JCR, 1.692 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 2470-0045. Dostupné na: <https://doi.org/10.1103/PhysRevE.84.011118>

Ohlasy:

1. [1.1] DAS, Moupriya - RAY, Deb Shankar. Landauer's blow-torch effect in systems with entropic potential. In PHYSICAL REVIEW E. ISSN 1539-3755, 2015, vol. 92, no. 5, 052133., Registrované v: WOS

2. [1.1] FLORENCIA CARUSELA, M. - MIGUEL RUBI, J. Entropic rectification and current inversion in a pulsating channel. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2017, vol. 146, no. 18, 184901., Registrované v: WOS

3. [1.1] HOLUBEC, Viktor - RYABOV, Artem - YAGHOUBI,

Mohammad Hassan - VARGA, Martin - KHODAEI, Ayub - FOULAADVAND, M. Ebrahim - CHVOSTA, Petr. Thermal Ratchet Effect in Confining Geometries. In ENTROPY. ISSN 1099-4300, 2017, vol. 19, no. 3, 119., Registrované v: WOS

4. [1.1] CHAVEZ, Yoshua - CHACON-ACOSTA, Guillermo - DAGDUG, Leonardo. Effects of curved midline and varying width on the description of the effective diffusivity of Brownian particles. In JOURNAL OF PHYSICS-CONDENSED MATTER. ISSN 0953-8984, 2018, vol. 30, no. 19, 194001., Registrované v: WOS

5. [1.1] JIANG JIE - AI BAO-QUAN - WU JIAN-CHUN. Directed Transport of Brownian Particles in a Periodic Channel. In COMMUNICATIONS IN THEORETICAL PHYSICS. ISSN 0253-6102, 2015, vol. 64, no. 3, pp. 320., Registrované v: WOS

6. [1.1] LI, Feng-guo - XIE, Hui-zhang - LIU, Xue-mei - AI, Bao-quan. The influence of a phase shift between the top and bottom walls on the Brownian transport of self-propelled particles. In CHAOS. ISSN 1054-1500, 2015, vol. 25, no. 3, 033110., Registrované v: WOS

7. [1.1] RYABOV, A. - HOLUBEC, V. - YAGHOUBI, M. H. - VARGA, M. - FOULAADVAND, M. E. - CHVOSTA, P. Transport coefficients for a confined Brownian ratchet operating between two heat reservoirs. In JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT. ISSN 1742-5468, 2016, 093202., Registrované v: WOS

8. [1.1] WANG, Rang - ZHOU, Jia-Ning - LIU, Xue-Mei - XIAO, Hua. Transport and efficiency of Brownian particles in confined narrow channels with a periodic driving force. In INTERNATIONAL JOURNAL OF MODERN PHYSICS B. ISSN 0217-9792, 2015, vol. 29, no. 5, 1550026., Registrované v: WOS

ADCA557 KALINAY, Pavol. Effective diffusion coefficient in 2D periodic channels. In *Journal of Chemical Physics*, 2014, vol. 141, no. 14, 144101. (2013: 3.122 - IF, Q1 - JCR, 1.532 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents). ISSN 0021-9606. Dostupné na: <https://doi.org/10.1063/1.4897250>

Ohlasy:

1. [1.1] DE GRAAF, Joost - PETER, Toni - FISCHER, Lukas P. - HOLM, Christian. The Raspberry model for hydrodynamic interactions revisited. II. The effect of confinement. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2015, vol. 143, no. 8, 084108., Registrované v: WOS

2. [1.1] GARCIA-CHUNG, A. et al. In JOURNAL OF CHEMICAL PHYSICS, 2015, vol. 142, 064105., Registrované v: WOS

3. [1.1] CHAVEZ, Yoshua - CHACON-ACOSTA, Guillermo - DAGDUG, Leonardo. Effects of curved midline and varying width on the description of the effective diffusivity of Brownian particles. In JOURNAL OF PHYSICS-CONDENSED MATTER. ISSN 0953-8984, 2018, vol. 30, no. 19, 194001., Registrované v: WOS

4. [1.1] LI, Feng-guo - AI, Bao-quan. Manipulating channel asymmetries to control the mobility and diffusion of anisotropic particles. In PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS. ISSN 0378-4371, 2017, vol. 484, pp. 27-36., Registrované v: WOS

5. [1.1] MANGEAT, M. - GUERIN, T. - DEAN, D. S. Dispersion in two dimensional channels-the Fick-Jacobs approximation revisited. In

JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT. ISSN 1742-5468, 2017, 123205., Registrované v: WOS

6. [1.1] MARTENS, S. Note: From reaction-diffusion systems to confined Brownian motion. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2016, vol. 145, no. 1, 016101., Registrované v: WOS

7. [1.1] NUTKU, Ferhat - AYDMER, Ekrem. Current and efficiency optimization under oscillating forces in entropic barriers. In CHINESE PHYSICS B. ISSN 1674-1056, 2016, vol. 25, no. 9, 090501., Registrované v: WOS

8. [1.1] SIVAN, Matan - FARAGO, Oded. Non-steady-state diffusion in two-dimensional periodic channels. In PHYSICAL REVIEW E. ISSN 2470-0045, 2019, vol. 99, no. 2, 022141., Registrované v: WOS

9. [1.1] WANG, Xinli. Biased transport of Brownian particles in a weakly corrugated serpentine channel. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2016, vol. 144, no. 4, 044101., Registrované v: WOS

ADCA558 KALINAY, Pavol. Effective transport equations in quasi 1D systems. In *European Physical Journal Special Topics*, 2014, vol. 223, p. 3027-3043. (2013: 1.760 - IF, Q2 - JCR, 0.939 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents). ISSN 1951-6355. Dostupné na: <https://doi.org/10.1140/epjst/e2014-02317-5>

Ohlasy:

1. [1.1] GEISELER, Alexander - HAENGGI, Peter - MARCHESONI, Fabio - MULHERN, Colm - SAEVLEV, Sergey. Chemotaxis of artificial microswimmers in active density waves. In PHYSICAL REVIEW E. ISSN 2470-0045, 2016, vol. 94, no. 1, 012613., Registrované v: WOS

2. [1.1] GEISELER, Alexander - HAENGGI, Peter - SCHMID, Gerhard. Kramers escape of a self-propelled particle. In EUROPEAN PHYSICAL JOURNAL B. ISSN 1434-6028, 2016, vol. 89, no. 8, 175., Registrované v: WOS

3. [1.1] GEISELER, Alexander - HAENGGI, Peter - MARCHESONI, Fabio. Taxis of Artificial Swimmers in a Spatio-Temporally Modulated Activation Medium. In ENTROPY. ISSN 1099-4300, 2017, vol. 19, no. 3, 97., Registrované v: WOS

4. [1.1] WANG, Xinli - DRAZER, German. Transport of Brownian particles in a narrow, slowly varying serpentine channel. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2015, vol. 142, no. 15, 154114., Registrované v: WOS

5. [1.1] WANG, Xinli. Biased transport of Brownian particles in a weakly corrugated serpentine channel. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2016, vol. 144, no. 4, 044101., Registrované v: WOS

ADCA559 KALINAY, Pavol - PERCUS, Jerome K. Exact dimensional reduction of linear dynamics: application to confined diffusion. In *Journal of Statistical Physics*, 2006, vol. 123, no. 5, p. 1059-1069. (2005: 1.729 - IF, Q2 - JCR, 1.372 - SJR, Q1 - SJR). ISSN 0022-4715. Dostupné na: <https://doi.org/10.1007/s10955-006-9081-3>

Ohlasy:

1. [1.1] ADDASSI, Mouadh - SCHREYER, Lynn - JOHANNESSEN, Bjorn - LIN, Hai. Pore-scale modeling of vapor transport in partially saturated

capillary tube with variable area using chemical potential. In WATER RESOURCES RESEARCH. ISSN 0043-1397, 2016, vol. 52, no. 9, pp. 7023-7035., Registrované v: WOS

2. [1.1] BEREZHKOVSKII, Alexander M. - DAGDUG, Leonardo - BEZRUKOV, Sergey M. Range of applicability of modified Fick-Jacobs equation in two dimensions. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2015, vol. 143, no. 16, 164102., Registrované v: WOS

3. [1.1] DAS, Moupriya - RAY, Deb Shankar. Landauer s blow-torch effect in systems with entropic potential. In PHYSICAL REVIEW E. ISSN 1539-3755, 2015, vol. 92, no. 5, 052133., Registrované v: WOS

4. [1.1] CHAVEZ, Yoshua - CHACON-ACOSTA, Guillermo - DAGDUG, Leonardo. Effects of curved midline and varying width on the description of the effective diffusivity of Brownian particles. In JOURNAL OF PHYSICS-CONDENSED MATTER. ISSN 0953-8984, 2018, vol. 30, no. 19, 194001., Registrované v: WOS

5. [1.1] CHVOSTA, Petr. Basics of Single-File Diffusion. In STOCHASTIC DYNAMICS AND ENERGETICS OF BIOMOLECULAR SYSTEMS. ISSN 2190-5053, 2016, pp. 7-30., Registrované v: WOS

ADCA560 KALINAY, Pavol - PERCUS, J.K. Extended Fick-Jacobs equation: Variational approach. In *Physical Review E*, 2005, vol. 72, no. 6, 061203. (2004: 2.352 - IF, Current Contents - CCC). (2005 - Current Contents, WOS, SCOPUS). ISSN 2470-0045. Dostupné na: <https://doi.org/10.1103/PhysRevE.72.061203>

Ohlasy:

1. [1.1] ADDASSI, Mouadh - SCHREYER, Lynn - JOHANNESSEN, Bjorn - LIN, Hai. Pore-scale modeling of vapor transport in partially saturated capillary tube with variable area using chemical potential. In WATER RESOURCES RESEARCH. ISSN 0043-1397, 2016, vol. 52, no. 9, pp. 7023-7035., Registrované v: WOS

2. [1.1] BEREZHKOVSKII, Alexander M. - DAGDUG, Leonardo - BEZRUKOV, Sergey M. Range of applicability of modified Fick-Jacobs equation in two dimensions. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2015, vol. 143, no. 16, 164102., Registrované v: WOS

3. [1.1] BEREZHKOVSKII, Alexander M. - DAGDUG, Leonardo - BEZRUKOV, Sergey M. Peculiarities of the Mean Transition Path Time Dependence on the Barrier Height in Entropy Potentials. In JOURNAL OF PHYSICAL CHEMISTRY B. ISSN 1520-6106, 2020, vol. 124, no. 12, pp. 2305-2310., Registrované v: WOS

4. [1.1] DAS, Moupriya - RAY, Deb Shankar. Landauer s blow-torch effect in systems with entropic potential. In PHYSICAL REVIEW E. ISSN 1539-3755, 2015, vol. 92, no. 5, 052133., Registrované v: WOS

5. [1.1] HOLUBEC, Viktor - RYABOV, Artem - YAGHOUBI, Mohammad Hassan - et al. Thermal Ratchet Effect in Confining Geometries. In ENTROPY. ISSN 1099-4300, 2017, vol. 19, no. 3, 119., Registrované v: WOS

6. [1.1] CHAVEZ, Yoshua - CHACON-ACOSTA, Guillermo - DAGDUG, Leonardo. Effects of curved midline and varying width on the description of the effective diffusivity of Brownian particles. In JOURNAL OF PHYSICS-CONDENSED MATTER. ISSN 0953-8984, 2018, vol. 30, no. 19, 194001., Registrované v: WOS

7. [1.1] MANGEAT, M. - GUERIN, T. - DEAN, D. S. Geometry

- controlled dispersion in periodic corrugated channels. In *EPL*. ISSN 0295-5075, 2017, vol. 118, no. 4, 40004., Registrované v: WOS
8. [1.1] MANGEAT, M. - GUERIN, T. - DEAN, D. S. Dispersion in two-dimensional periodic channels with discontinuous profiles. In *JOURNAL OF CHEMICAL PHYSICS*. ISSN 0021-9606, 2018, vol. 149, no. 12, 124105., Registrované v: WOS
9. [1.1] RYABOV, A. - HOLUBEC, V. - YAGHOUBI, M. H. - VARGA, M. - FOULAADVAND, M. E. - CHVOSTA, P. Transport coefficients for a confined Brownian ratchet operating between two heat reservoirs. In *JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT*. ISSN 1742-5468, 2016, 093202., Registrované v: WOS
10. [1.1] SLANINA, František. Colloid particles in microfluidic inertial hydrodynamic ratchet at moderate Reynolds number. In *PHYSICAL REVIEW E*. ISSN 2470-0045, 2020, vol. 102, no. 5, 052601., Registrované v: WOS
11. [1.1] VALERO VALDES, Carlos. Effective diffusion on Riemannian fiber bundles. In *JOURNAL OF MATHEMATICAL PHYSICS*. ISSN 0022-2488, 2015, vol. 56, no. 2, 023507., Registrované v: WOS
12. [1.1] VALERO VALDES, Carlos. Effective diffusion in the region between two surfaces. In *PHYSICAL REVIEW E*. ISSN 2470-0045, 2016, vol. 94, no. 2, 022101., Registrované v: WOS
13. [1.1] WANG, Xinli - DRAZER, German. Transport of Brownian particles in a narrow, slowly varying serpentine channel. In *JOURNAL OF CHEMICAL PHYSICS*. ISSN 0021-9606, 2015, vol. 142, no. 15, 154114., Registrované v: WOS
14. [1.1] WANG, Xinli. Biased transport of Brownian particles in a weakly corrugated serpentine channel. In *JOURNAL OF CHEMICAL PHYSICS*. ISSN 0021-9606, 2016, vol. 144, no. 4, 044101., Registrované v: WOS

ADCA561 KALINAY, Pavol - SLANINA, František. Feynman-Smoluchowski ratchet in an effective one-dimensional picture. In *Physical Review E*, 2018, vol. 98, no. 4, art. no. 042141. (2017: 2.284 - IF, Q1 - JCR, 0.979 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 2470-0045. Dostupné na: <https://doi.org/10.1103/PhysRevE.98.042141>

Ohlasy:

1. [1.1] HOLUBEC, Viktor - STEFFENONI, Stefano - FALASCO, Gianmaria - KROY, Klaus. Active Brownian heat engines. In *PHYSICAL REVIEW RESEARCH*, 2020, vol. 2, no. 4, 043262., Registrované v: WOS

ADCA562 KALINAY, Pavol. Generalized method calculating the effective diffusion coefficient in periodic channels. In *Journal of Chemical Physics*, 2015, vol. 142, no. 1, 014106. (2014: 2.952 - IF, Q1 - JCR, 1.446 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents). ISSN 0021-9606. Dostupné na: <https://doi.org/10.1063/1.4905079>

Ohlasy:

1. [1.1] MANGEAT, M. - GUERIN, T. - DEAN, D. S. Dispersion in two dimensional channels-the Fick-Jacobs approximation revisited. In *JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT*. ISSN 1742-5468, 2017, 123205., Registrované v: WOS
2. [1.1] NUTKU, Ferhat - AYDMER, Ekrem. Current and efficiency

optimization under oscillating forces in entropic barriers. In CHINESE PHYSICS B. ISSN 1674-1056, 2016, vol. 25, no. 9, 090501., Registrované v: WOS
 3. [3.1] WANG, X. Biased transport of Brownian particles in a weakly corrugated serpentine channel. In JOURNAL OF CHEMICAL PHYSICS. DOI 10.1063/1.4940314, 2016, vol.144, no 4, 044101

ADCA563 KALINAY, Pavol. Integral formula for the effective diffusion coefficient in two-dimensional channels. In *Physical Review E*, 2016, vol. 94, no. 1, art. no. 012102. (2015: 2.252 - IF, Q1 - JCR, 1.183 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 2470-0045. Dostupné na: <https://doi.org/10.1103/PhysRevE.94.012102>

Ohlasy:

1. [1.1] HOLUBEC, Viktor - RYABOV, Artem - YAGHOUBI, Mohammad Hassan - VARGA, Martin - KHODAEI, Ayub - FOULAADVAND, M. Ebrahim - CHVOSTA, Petr. Thermal Ratchet Effect in Confining Geometries. In ENTROPY. ISSN 1099-4300, 2017, vol. 19, no. 3, 119., Registrované v: WOS
2. [1.1] CHAVEZ, Yoshua - CHACON-ACOSTA, Guillermo - DAGDUG, Leonardo. Effects of curved midline and varying width on the description of the effective diffusivity of Brownian particles. In JOURNAL OF PHYSICS-CONDENSED MATTER. ISSN 0953-8984, 2018, vol. 30, no. 19, 194001., Registrované v: WOS
3. [1.1] MALGARETTI, Paolo - PAGONABARRAGA, Ignacio - MIGUEL RUBI, J. Rectification and Non-Gaussian Diffusion in Heterogeneous Media. In ENTROPY. ISSN 1099-4300, 2016, vol. 18, no. 11, 394., Registrované v: WOS
4. [1.1] RYABOV, A. - HOLUBEC, V. - YAGHOUBI, M. H. - VARGA, M. - FOULAADVAND, M. E. - CHVOSTA, P. Transport coefficients for a confined Brownian ratchet operating between two heat reservoirs. In JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT. ISSN 1742-5468, 2016, 093202., Registrované v: WOS

ADCA564 KALINAY, Pavol. Mapping of forced diffusion in quasi-one-dimensional systems. In *Physical Review E*, 2009, vol. 80, no. 3, 031106. (2008: 2.508 - IF, Q1 - JCR, 1.972 - SJR, Q1 - SJR, Current Contents - CCC). (2009 - Current Contents, WOS, SCOPUS). ISSN 2470-0045. Dostupné na: <https://doi.org/10.1103/PhysRevE.80.031106>

Ohlasy:

1. [1.1] DAS, Moupriya - RAY, Deb Shankar. Landauer's blow-torch effect in systems with entropic potential. In PHYSICAL REVIEW E. ISSN 1539-3755, 2015, vol. 92, no. 5, 052133., Registrované v: WOS
2. [1.1] FLORENCIA CARUSELA, M. - MIGUEL RUBI, J. Entropy production and rectification efficiency in colloid transport along a pulsating channel. In JOURNAL OF PHYSICS-CONDENSED MATTER. ISSN 0953-8984, 2018, vol. 30, no. 24, 244001., Registrované v: WOS
3. [1.1] MIGUEL RUBI, J. Entropic diffusion in confined soft-matter and biological systems. In EPL. ISSN 0295-5075, 2019, vol. 127, no. 1, 10001., Registrované v: WOS
4. [1.1] WANG, Xinli - DRAZER, German. Transport of Brownian particles in a narrow, slowly varying serpentine channel. In JOURNAL OF

CHEMICAL PHYSICS. ISSN 0021-9606, 2015, vol. 142, no. 15, 154114.,
Registrované v: WOS

5. [1.1] WANG, Xinli. Biased transport of Brownian particles in a weakly corrugated serpentine channel. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2016, vol. 144, no. 4, 044101., Registrované v: WOS

ADCA565 KALINAY, Pavol - PERCUS, J.K. Mapping of diffusion in a channel with abrupt change of diameter. In *Physical Review E*, 2010, vol. 82, no. 3, 031143. (2009: 2.400 - IF, Q2 - JCR, 1.708 - SJR, Q1 - SJR, Current Contents - CCC). (2010 - Current Contents, WOS, SCOPUS). ISSN 2470-0045. Dostupné na: <https://doi.org/10.1103/PhysRevE.82.031143>

Ohlasy:

1. [1.1] BEREZHKOVSKII, Alexander M. - DAGDUG, Leonardo - BEZRUKOV, Sergey M. Peculiarities of the Mean Transition Path Time Dependence on the Barrier Height in Entropy Potentials. In JOURNAL OF PHYSICAL CHEMISTRY B. ISSN 1520-6106, 2020, vol. 124, no. 12, pp. 2305-2310., Registrované v: WOS

2. [1.1] JIANG JIE - AI BAO-QUAN - WU JIAN-CHUN. Directed Transport of Brownian Particles in a Periodic Channel. In COMMUNICATIONS IN THEORETICAL PHYSICS. ISSN 0253-6102, 2015, vol. 64, no. 3, pp. 320-324., Registrované v: WOS

3. [1.1] JOSE, Robin - SANTEN, Ludger - SHAEBANI, M. Reza. Trapping in and Escape from Branched Structures of Neuronal Dendrites. In BIOPHYSICAL JOURNAL. ISSN 0006-3495, 2018, vol. 115, no. 10, pp. 2014-2025., Registrované v: WOS

4. [1.1] MALGARETTI, Paolo - PAGONABARRAGA, Ignacio - MIGUEL RUBI, J. Rectification and Non-Gaussian Diffusion in Heterogeneous Media. In ENTROPY. ISSN 1099-4300, 2016, vol. 18, no. 11, 394., Registrované v: WOS

5. [1.1] MANGEAT, M. - GUERIN, T. - DEAN, D. S. Dispersion in two dimensional channels-the Fick-Jacobs approximation revisited. In JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT. ISSN 1742-5468, 2017, 123205., Registrované v: WOS

6. [1.1] MANGEAT, M. - GUERIN, T. - DEAN, D. S. Geometry controlled dispersion in periodic corrugated channels. In EPL. ISSN 0295-5075, 2017, vol. 118, no. 4, 40004., Registrované v: WOS

7. [1.1] MANGEAT, M. - GUERIN, T. - DEAN, D. S. Dispersion in two-dimensional periodic channels with discontinuous profiles. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2018, vol. 149, no. 12, 124105., Registrované v: WOS

8. [1.1] MARCONI, Umberto Marini Bettolo - MALGARETTI, Paolo - PAGONABARRAGA, Ignacio. Tracer diffusion of hard-sphere binary mixtures under nano-confinement. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2015, vol. 143, no. 18, 184501., Registrované v: WOS

9. [1.1] WANG, Rang - ZHOU, Jia-Ning - LIU, Xue-Mei - XIAO, Hua. Transport and efficiency of Brownian particles in confined narrow channels with a periodic driving force. In INTERNATIONAL JOURNAL OF MODERN PHYSICS B. ISSN 0217-9792, 2015, vol. 29, no. 5, p1550026, Registrované v: WOS

10. [1.1] WANG, Xinli. Biased transport of Brownian particles in a weakly corrugated serpentine channel. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2016, vol. 144, no. 4, 044101., Registrované v: WOS

11. [1.1] WANG, X.- DRAZER, G. In JOURNAL OF CHEMICAL PHYSICS, 2015, vol. 142, 154114., Registrované v: WOS

ADCA566 KALINAY, Pavol - PERCUS, J.K. Mapping of diffusion in a channel with soft walls. In *Physical Review E*, 2011, vol. 83, no. 3, 031109. (2010: 2.352 - IF, Q1 - JCR, 1.692 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 2470-0045. Dostupné na: <https://doi.org/10.1103/PhysRevE.83.031109>

Ohlasy:

1. [1.1] DAS, Moupriya - RAY, Deb Shankar. Landauer s blow-torch effect in systems with entropic potential. In PHYSICAL REVIEW E. ISSN 1539-3755, 2015, vol. 92, no. 5, 052133., Registrované v: WOS

2. [1.1] HOLUBEC, Viktor - RYABOV, Artem - YAGHOUBI, Mohammad Hassan - VARGA, Martin - KHODAEI, Ayub - FOULAADVAND, M. Ebrahim - CHVOSTA, Petr. Thermal Ratchet Effect in Confining Geometries. In ENTROPY. ISSN 1099-4300, 2017, vol. 19, no. 3, 119., Registrované v: WOS

3. [1.1] RYABOV, A. - HOLUBEC, V. - YAGHOUBI, M. H. - VARGA, M. - FOULAADVAND, M. E. - CHVOSTA, P. Transport coefficients for a confined Brownian ratchet operating between two heat reservoirs. In JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT. ISSN 1742-5468, 2016, 093202., Registrované v: WOS

4. [1.1] WANG, Xinli. Biased transport of Brownian particles in a weakly corrugated serpentine channel. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2016, vol. 144, no. 4, 044101., Registrované v: WOS

5. [1.1] WANG, X.- DRAZER, G. In JOURNAL OF CHEMICAL PHYSICS, 2015, vol. 142, 154114., Registrované v: WOS

6. [1.1] ZARIF, Mahdi - BOWLES, Richard K. Mapping diffusivity of narrow channels into one dimension. In PHYSICAL REVIEW E. ISSN 2470-0045, 2020, vol. 101, no. 1, 012908., Registrované v: WOS

ADCA567 KALINAY, Pavol. Moment expansion for mapping of the confined diffusion. In *Physical Review E*, 2013, vol. 87, no. 18, 032143. (2012: 2.313 - IF, Q1 - JCR, 1.414 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 2470-0045. Dostupné na: <https://doi.org/10.1103/PhysRevE.87.032143>

Ohlasy:

1. [1.1] DAS, Moupriya - RAY, Deb Shankar. Landauer s blow-torch effect in systems with entropic potential. In PHYSICAL REVIEW E. ISSN 1539-3755, 2015, vol. 92, no. 5, 052133., Registrované v: WOS

2. [1.1] HU, Cai-tian - OU, Ya-li - WU, Jian-chun - CHEN, Qun - AI, Bao-quan. Multiple current reversals of Brownian particles in periodic hydrodynamical channels. In JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT. ISSN 1742-5468, 2015, P05025., Registrované v: WOS

3. [1.1] MALGARETTI, Paolo - PAGONABARRAGA, Ignacio - MIGUEL RUBI, J. Rectification and Non-Gaussian Diffusion in Heterogeneous Media. In ENTROPY. ISSN 1099-4300, 2016, vol. 18, no. 11, 394., Registrované v: WOS
4. [1.1] MARCONI, Umberto Marini Bettolo - MALGARETTI, Paolo - PAGONABARRAGA, Ignacio. Tracer diffusion of hard-sphere binary mixtures under nano-confinement. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2015, vol. 143, no. 18, 184501., Registrované v: WOS

ADCA568 KALINAY, Pavol**. Nonscaling calculation of the effective diffusion coefficient in periodic channels. In *Journal of Chemical Physics*, 2017, vol. 146, art. no. 034109. (2016: 2.965 - IF, Q2 - JCR, 1.486 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 0021-9606. Dostupné na: <https://doi.org/10.1063/1.4974090>

Ohlasy:

1. [1.1] HOLUBEC, Viktor - RYABOV, Artem - YAGHOUBI, Mohammad Hassan - et al. Thermal Ratchet Effect in Confining Geometries. In ENTROPY. ISSN 1099-4300, 2017, vol. 19, no. 3, 119., Registrované v: WOS

ADCA569 KALINAY, Pavol. One-dimensional description of driven diffusion in periodic channels. In *Physical Review E*, 2017, vol. 96, no. 4, art. no. 042157. (2016: 2.366 - IF, Q1 - JCR, 1.271 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 2470-0045. Dostupné na: <https://doi.org/10.1103/PhysRevE.96.042157>

Ohlasy:

1. [1.1] CHAVEZ, Yoshua - CHACON-ACOSTA, Guillermo - DAGDUG, Leonardo. Effects of curved midline and varying width on the description of the effective diffusivity of Brownian particles. In JOURNAL OF PHYSICS-CONDENSED MATTER. ISSN 0953-8984, 2018, vol. 30, no. 19, 194001., Registrované v: WOS

ADCA570 KALINAY, Pavol - PERCUS, J.K. Projection of two-dimensional diffusion in a narrow channel onto the longitudinal dimension. In *Journal of Chemical Physics*, 2005, vol. 122, no. 20, 204701. (2004: 3.105 - IF, Current Contents - CCC). (2005 - Current Contents, WOS, SCOPUS). ISSN 0021-9606. Dostupné na: <https://doi.org/10.1063/1.1899150>

Ohlasy:

1. [1.1] ADROVER, Alessandra - PASSARETTI, Chiara - VENDITTI, Claudia - GIONA, Massimiliano. Exact moment analysis of transient dispersion properties in periodic media. In PHYSICS OF FLUIDS. ISSN 1070-6631, 2019, vol. 31, no. 11, 112002., Registrované v: WOS
2. [1.1] ADROVER, Alessandra - VENDITTI, Claudia - GIONA, Massimiliano. Laminar dispersion at low and high Peclet numbers in a sinusoidal microtube: Point-size versus finite-size particles. In PHYSICS OF FLUIDS. ISSN 1070-6631, 2019, vol. 31, no. 6, 062003., Registrované v: WOS
3. [1.1] AHMADI, Sheida - BOWLES, Richard K. Diffusion in quasi-one-dimensional channels: A small system n, p, T, transition state theory for hopping times. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2017, vol. 146, no. 15, 154505., Registrované v: WOS
4. [1.1] BEREZHKOVSII, Alexander M. - DAGDUG, Leonardo -

- BEZRUKOV, Sergey M. Range of applicability of modified Fick-Jacobs equation in two dimensions. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2015, vol. 143, no. 16, 164102., Registrované v: WOS
5. [1.1] DAGDUG, Leonardo - GARCIA-CHUNG, Angel A. - CHACON-ACOSTA, Guillermo. On the description of Brownian particles in confinement on a non-Cartesian coordinates basis. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2016, vol. 145, no. 7, 074105., Registrované v: WOS
6. [1.1] GARCIA-CHUNG, Angel A. - CHACON-ACOSTA, Guillermo - DAGDUG, Leonardo. On the covariant description of diffusion in two-dimensional confined environments. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2015, vol. 142, no. 6, 064105., Registrované v: WOS
7. [1.1] HERRERA, Pedro - APAZA, Leonardo - SANDOVAL, Mario. One-dimensional displacement of active matter on curved substrates. In MOLECULAR PHYSICS. ISSN 0026-8976, 2020, vol. 118, no. 15., Registrované v: WOS
8. [1.1] HOLUBEC, Viktor - RYABOV, Artem - YAGHOUBI, Mohammad Hassan - et al. Thermal Ratchet Effect in Confining Geometries. In ENTROPY. ISSN 1099-4300, 2017, vol. 19, no. 3, 119., Registrované v: WOS
9. [1.1] CHACON-ACOSTA, G. - NUNEZ-LOPEZ, M. - PINEDA, I. Turing instability conditions in confined systems with an effective position-dependent diffusion coefficient. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2020, vol. 152, no. 2, 024101., Registrované v: WOS
10. [1.1] CHAVEZ, Yoshua - CHACON-ACOSTA, Guillermo - DAGDUG, Leonardo. Unbiased diffusion of Brownian particles in a helical tube. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2018, vol. 148, no. 21, 214106., Registrované v: WOS
11. [1.1] CHAVEZ, Yoshua - CHACON-ACOSTA, Guillermo - DAGDUG, Leonardo. Effects of curved midline and varying width on the description of the effective diffusivity of Brownian particles. In JOURNAL OF PHYSICS-CONDENSED MATTER. ISSN 0953-8984, 2018, vol. 30, no. 19, 194001., Registrované v: WOS
12. [1.1] CHAVEZ, Yoshua - VAZQUEZ, Marco-Vinicio - DAGDUG, Leonardo. Unbiased Diffusion through a Linear Porous Media with Periodic Entropy Barriers: A Tube Formed by Contacting Ellipses. In JOURNAL OF CHEMISTRY. ISSN 2090-9063, 2015, 986402., Registrované v: WOS
13. [1.1] CHVOSTA, Petr. Basics of Single-File Diffusion. In STOCHASTIC DYNAMICS AND ENERGETICS OF BIOMOLECULAR SYSTEMS. ISSN 2190-5053, 2016, pp. 7-30., Registrované v: WOS
14. [1.1] LANGE, Steffen - BAECKER, Arnd - KETZMERICK, Roland. What is the mechanism of power-law distributed Poincare recurrences in higher-dimensional systems? In EPL. ISSN 0295-5075, 2016, vol. 116, no. 3, 30002., Registrované v: WOS
15. [1.1] LEDESMA-DURAN, Aldo - HERNANDEZ HERNANDEZ, Saul Ivan - SANTAMARIA-HOLEK, Ivan. Effectiveness Factor and Mass Transfer Coefficient in Wedge and Funnel Pores Using a Generalized Fick-Jacobs Model. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2016, vol. 120, no. 51, pp. 29153-29161., Registrované v: WOS

16. [1.1] LEDESMA-DURAN, Aldo - IVAN HERNANDEZ-HERNANDEZ, Saul - SANTAMARIA-HOLEK, Ivan. Generalized Fick-Jacobs Approach for Describing Adsorption-Desorption Kinetics in Irregular Pores under Nonequilibrium Conditions. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2016, vol. 120, no. 14, pp. 7810-7821., Registrované v: WOS
17. [1.1] LEDESMA-DURAN, Aldo - HERNANDEZ, S. I. - SANTAMARIA-HOLEK, Ivan. Relation between the porosity and tortuosity of a membrane formed by disconnected irregular pores and the spatial diffusion coefficient of the Fick-Jacobs model. In PHYSICAL REVIEW E. ISSN 2470-0045, 2017, vol. 95, no. 5, 052804., Registrované v: WOS
18. [1.1] LEE, Youngju - MA, Bingyuan - BAI, Peng. Concentration polarization and metal dendrite initiation in isolated electrolyte microchannels. In ENERGY & ENVIRONMENTAL SCIENCE. ISSN 1754-5692, 2020, vol. 13, no. 10, pp. 3504-3513., Registrované v: WOS
19. [1.1] MANGEAT, M. - GUERIN, T. - DEAN, D. S. Dispersion in two dimensional channels-the Fick-Jacobs approximation revisited. In JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT. ISSN 1742-5468, 2017, 123205., Registrované v: WOS
20. [1.1] MANGEAT, M. - GUERIN, T. - DEAN, D. S. Geometry controlled dispersion in periodic corrugated channels. In EPL. ISSN 0295-5075, 2017, vol. 118, no. 4, 40004., Registrované v: WOS
21. [1.1] MANGEAT, M. - GUERIN, T. - DEAN, D. S. Dispersion in two-dimensional periodic channels with discontinuous profiles. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2018, vol. 149, no. 12, 124105., Registrované v: WOS
22. [1.1] RAY, Somrita. Space-dependent diffusion with stochastic resetting: A first-passage study. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2020, vol. 153, no. 23, 234904., Registrované v: WOS
23. [1.1] RYABOV, A. - HOLUBEC, V. - YAGHOUBI, M. H. - VARGA, M. - FOULAADVAND, M. E. - CHVOSTA, P. Transport coefficients for a confined Brownian ratchet operating between two heat reservoirs. In JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT. ISSN 1742-5468, 2016, 093202., Registrované v: WOS
24. [1.1] SIVAN, Matan - FARAGO, Oded. Non-steady-state diffusion in two-dimensional periodic channels. In PHYSICAL REVIEW E. ISSN 2470-0045, 2019, vol. 99, no. 2, 022141., Registrované v: WOS
25. [1.1] SLANINA, Frantisek. Movement of spherical colloid particles carried by flow in tubes of periodically varying diameter. In PHYSICAL REVIEW E. ISSN 2470-0045, 2019, vol. 99, no. 1, 012604., Registrované v: WOS
26. [1.1] SLANINA, Frantisek. Colloid particles in microfluidic inertial hydrodynamic ratchet at moderate Reynolds number. In PHYSICAL REVIEW E. ISSN 2470-0045, 2020, vol. 102, no. 5, 052601., Registrované v: WOS
27. [1.1] VALERO VALDES, Carlos. Effective diffusion on Riemannian fiber bundles. In JOURNAL OF MATHEMATICAL PHYSICS. ISSN 0022-2488, 2015, vol. 56, no. 2, 023507., Registrované v: WOS
28. [1.1] VALERO VALDES, Carlos. Effective diffusion in the region between two surfaces. In PHYSICAL REVIEW E. ISSN 2470-0045, 2016, vol. 94, no. 2, 022121., Registrované v: WOS

29. [1.1] WOLFSON, Molly - LIEPOLD, Christopher - LIN, Binhua - RICE, Stuart A. A comment on the position dependent diffusion coefficient representation of structural heterogeneity. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2018, vol. 148, no. 19, 194901., Registrované v: WOS
30. [1.1] ZARIF, Mahdi - BOWLES, Richard K. Mapping diffusivity of narrow channels into one dimension. In PHYSICAL REVIEW E. ISSN 2470-0045, 2020, vol. 101, no. 1, 012908., Registrované v: WOS

ADCA571 KALINAY, Pavol. Rectification of confined diffusion driven by a sinusoidal force. In *Physical Review E*, 2014, vol. 89, no. 4, 042123. (2013: 2.326 - IF, Q1 - JCR, 1.311 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 2470-0045. Dostupné na: <https://doi.org/10.1103/PhysRevE.89.042123>

Ohlasy:

1. [1.1] DAS, M.- RAY, D.S. In PHYSICAL REVIEW E, 2015, vol. 92, 052133., Registrované v: WOS
2. [1.1] HOLUBEC, Viktor - RYABOV, Artem - YAGHOUBI, Mohammad Hassan - VARGA, Martin - KHODAEI, Ayub - FOULAADVAND, M. Ebrahim - CHVOSTA, Petr. Thermal Ratchet Effect in Confining Geometries. In ENTROPY. ISSN 1099-4300, 2017, vol. 19, no. 3, 119., Registrované v: WOS
3. [1.1] NUTKU, Ferhat - AYDMER, Ekrem. Current and efficiency optimization under oscillating forces in entropic barriers. In CHINESE PHYSICS B. ISSN 1674-1056, 2016, vol. 25, no. 9, 090501., Registrované v: WOS
4. [1.1] RYABOV, A. - HOLUBEC, V. - YAGHOUBI, M. H. - VARGA, M. - FOULAADVAND, M. E. - CHVOSTA, P. Transport coefficients for a confined Brownian ratchet operating between two heat reservoirs. In JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT. ISSN 1742-5468, 2016, 093202., Registrované v: WOS
5. [1.1] WU, J.Ch.- CHEN, Q. In PHYSICS LETTERS A, 2015, vol. 379, p. 3025., Registrované v: WOS

ADCA572 KALINAY, Pavol - PERCUS, J.K. Stretched Markov nature of single-file self-dynamics. In *Physical Review E*, 2007, vol. 76, no. 4, 041111. (2006: 2.438 - IF, Q1 - JCR, 1.266 - SJR, Q1 - SJR, Current Contents - CCC). (2007 - Current Contents). ISSN 2470-0045. Dostupné na: <https://doi.org/10.1103/PhysRevE.76.041111>

Ohlasy:

1. [1.1] CHVOSTA, Petr. Basics of Single-File Diffusion. In STOCHASTIC DYNAMICS AND ENERGETICS OF BIOMOLECULAR SYSTEMS. ISSN 2190-5053, 2016, pp. 7-30., Registrované v: WOS

ADCA573 KALINAY, Pavol - MARKOŠ, Peter - ŠAMAJ, Ladislav - TRAVĚNEC, Igor. The Sixth-Moment Sum Rule for the Pair Correlations of the Two-Dimensional One-Component Plasma: Exact Result. In *Journal of Statistical Physics*, 2000, vol. 98, no. 3-4, p. 639-666. (1999: 1.192 - IF). ISSN 0022-4715.

Ohlasy:

1. [1.1] ALASTUEY, Angel - FANTONI, Riccardo. Fourth Moment Sum Rule for the Charge Correlations of a Two-Component Classical Plasma. In

JOURNAL OF STATISTICAL PHYSICS. ISSN 0022-4715, 2016, vol. 163, no. 4, pp. 887-913., Registrované v: WOS

2. [1.1] CAN, Tankut - LASKIN, Michael - WIEGMANN, Paul B. Geometry of quantum Hall states: Gravitational anomaly and transport coefficients. In ANNALS OF PHYSICS. ISSN 0003-4916, 2015, vol. 362, pp. 752-794., Registrované v: WOS

3. [1.1] DWIVEDI, Vatsal - KLEVTSOV, Semyon. Geometric responses of the Pfaffian state. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 99, no. 20, UNSP 205158., Registrované v: WOS

4. [1.1] FORRESTER, Peter J. Analogies between random matrix ensembles and the one-component plasma in two-dimensions. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2016, vol. 904, no., pp. 253-281., Registrované v: WOS

5. [1.1] LASKIN, M. - CAN, T. - WIEGMANN, P. Collective field theory for quantum Hall states. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 92, no. 23, 235141., Registrované v: WOS

6. [1.1] WANG, Jie - GERAEDTS, Scott D. - REZAYI, E. H. - HALDANE, F. D. M. Lattice Monte Carlo for quantum Hall states on a torus. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 99, no. 12, 125123., Registrované v: WOS

7. [1.1] WIEGMANN, P. Inner Nonlinear Waves and Inelastic Light Scattering of Fractional Quantum Hall States as Evidence of the Gravitational Anomaly. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2018, vol. 120, no. 8, 086601., Registrované v: WOS

ADCA574 KALINAY, Pavol - PERCUS, J.K. Two definitions of the hopping time in a confined fluid of finite particles. In *Journal of Chemical Physics*, 2008, vol. 129, no. 15, 154117. (2007: 3.044 - IF, Q1 - JCR, 2.245 - SJR, Q1 - SJR, Current Contents - CCC). (2008 - Current Contents). ISSN 0021-9606. Dostupné na: <https://doi.org/10.1063/1.2996363>

Ohlasy:

1. [1.1] AHMADI, Sheida - SCHMIDT, Marina - SPITERI, Raymond J. - BOWLES, Richard K. The effect of soft repulsive interactions on the diffusion of particles in quasi-one-dimensional channels: A hopping time approach. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2019, vol. 150, no. 22, 224501., Registrované v: WOS

2. [1.1] DAS, Moupriya - RAY, Deb Shankar. Landauer's blow-torch effect in systems with entropic potential. In PHYSICAL REVIEW E. ISSN 1539-3755, 2015, vol. 92, no. 5, 052133., Registrované v: WOS

3. [1.1] CHVOSTA, Petr. Basics of Single-File Diffusion. In STOCHASTIC DYNAMICS AND ENERGETICS OF BIOMOLECULAR SYSTEMS. ISSN 2190-5053, 2016, pp. 7-30., Registrované v: WOS

ADCA575 KALINAY, Pavol. When is the next extending of Fick-Jacobs equation necessary? In *Journal of Chemical Physics*, 2013, vol. 139, 054116. (2012: 3.164 - IF, Q1 - JCR, 1.832 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents). ISSN 0021-9606. Dostupné na: <https://doi.org/10.1063/1.4817198>

Ohlasy:

1. [1.1] HOLUBEC, Viktor - RYABOV, Artem - YAGHOUBI, Mohammad Hassan - et al. Thermal Ratchet Effect in Confining Geometries. In

ENTROPY. ISSN 1099-4300, 2017, vol. 19, no. 3, 119., Registrované v: WOS
 2. [1.1] CHAVEZ, Yoshua - CHACON-ACOSTA, Guillermo - DAGDUG, Leonardo. Effects of curved midline and varying width on the description of the effective diffusivity of Brownian particles. In JOURNAL OF PHYSICS-CONDENSED MATTER. ISSN 0953-8984, 2018, vol. 30, no. 19, 194001., Registrované v: WOS
 3. [1.1] RYABOV, A. - HOLUBEC, V. - YAGHOUBI, M. H. - VARGA, M. - FOULAADVAND, M. E. - CHVOSTA, P. Transport coefficients for a confined Brownian ratchet operating between two heat reservoirs. In JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT. ISSN 1742-5468, 2016, 093202., Registrované v: WOS

ADCA576 KÁLOSI, Anna - DEMYDENKO, Maksym - BODIK, Michal - HAGARA, Jakub - KOTLÁR, Mário - KOSTIUK, Dmytro - HALAHOVETS, Yuriy - VÉGSO, Karol - ROLDAN, Alicia Marin - MAURYA, Gulab Singh - ANGUS, Michal - VEIS, Pavel - JERGEL, Matej - MAJKOVÁ, Eva - ŠIFFALOVIC, Peter**. Tailored Langmuir-Schaefer Deposition of Few-Layer MoS₂ Nanosheet Films for Electronic Applications. In *Langmuir*, 2019, vol. 35, no. 30, p. 9802-9808. (2018: 3.683 - IF, Q2 - JCR, 1.209 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 0743-7463. Dostupné na: <https://doi.org/10.1021/acs.langmuir.9b01000>

Ohlasy:

1. [1.1] ABRAHAM, Thomas - PRIYANKA, Ragam N. - JOSEPH, Subi - PLATHANAM, Neena John - GIGIMOL, M. G. - MATHEW, Beena. Flower-like MoS₂/BiFeO₃ doped silver orthophosphate catalyst for visible-light assisted treatment of refractory organic pollutants. In APPLIED MATERIALS TODAY. ISSN 2352-9407, 2020, vol. 21, 100845., Registrované v: WOS
 2. [1.1] HARRIES, Rhiannon W. - BROWN, Christopher J. - OGILVIE, Sean P. - LARGE, Matthew J. - GRAF, Aline Amorim - CLIFFORD, Keiran - SIMON, Thomas - GIAMAS, Georgios - DALTON, Alan B. - KING, Alice A. K. Langmuir Films of Layered Nanomaterials: Edge Interactions and Cell Culture Applications. In JOURNAL OF PHYSICAL CHEMISTRY B. ISSN 1520-6106, 2020, vol. 124, no. 33, pp. 7184-7193., Registrované v: WOS
 3. [1.1] KAZAK, Alexandr - MARCHENKOVA, Margarita A. - SMIRNOVA, Antonina - SEREGIN, Alexey Yu - ROGACHEV, Alexandr - KLECHKOVSKAYA, Vera V. - ARKHAROVA, Natalia A. - WARIAS, Jonas E. - MURPHY, Bridget M. - TERESCHENKO, Elena Yu - USOL'TSEVA, Nadezhda - KOVALCHUK, Mikhail. Floating layers and thin films of mesogenic mix-substituted phthalocyanine holmium complex. In THIN SOLID FILMS. ISSN 0040-6090, 2020, vol. 704, 137952., Registrované v: WOS
 4. [1.1] ZHANG, Xixia - TENG, Sin Yong - LOY, Adrian Chun Minh - HOW, Bing Shen - LEONG, Wei Dong - TAO, Xutang. Transition Metal Dichalcogenides for the Application of Pollution Reduction: A Review. In NANOMATERIALS, 2020, vol. 10, no. 6, 1012., Registrované v: WOS
 5. [1.1] ZHOU, Dan - YIN, Jianzhong. Steer the Rheology of Solvent with Little Surfactant to Exfoliate MoS₂ Nanosheet by Liquid Phase Exfoliation Method. In NANO. ISSN 1793-2920, 2020, vol. 15, no. 10, 2050118., Registrované v: WOS

ADCA577 KAMEOKA, Satoshi** - KRAJČÍ, Marián - TSAI, An Pang. Highly selective semi-hydrogenation of acetylene over porous gold with twin boundary defects. In *Applied Catalysis A: General*, 2019, vol. 569, p. 101-109. (2018: 4.630 - IF, Q1 - JCR, 1.211 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 0926-860X. Dostupné na: <https://doi.org/10.1016/j.apcata.2018.10.027>

Ohlasy:

1. [1.1] DENG, Ziliang - LUO, Jun - YUAN, Wenjuan - XI, Wei. Formation and disintegration investigation of fivefold annealing twins in copper nanoparticles. In *SCRIPTA MATERIALIA*. ISSN 1359-6462, 2019, vol. 169, pp. 42-45., Registrované v: WOS
2. [1.1] GE, Mengke - YUAN, Wenjuan - WANG, Kai - HE, Jia - XI, Wei - LUO, Jun. Anomalous detwinning in constrained Cu nanoparticles. In *NANOSCALE*. ISSN 2040-3364, 2020, vol. 12, no. 27, pp. 14831-14837., Registrované v: WOS
3. [1.1] SALINAS-TORRES, David - NOZAKI, Ai - NAVLANI-GARCIA, Miriam - KUWAHARA, Yasutaka - MORI, Kohsuke - YAMASHITA, Hiromi. Recent Applications of Amorphous Alloys to Design Skeletal Catalysts. In *BULLETIN OF THE CHEMICAL SOCIETY OF JAPAN*. ISSN 0009-2673, 2020, vol. 93, no. 3, pp. 438-454., Registrované v: WOS

ADCA578 KAMINSKII, V.V. - LÁNYI, Štefan. Semiconductor-metal phase transition under a strain induced by a spherical indenter. In *Physica status solidi B. Basic solid state physics*, 1998, vol. 43, no. 3, p. 314-317. (1997: 0.826 - IF, Current Contents - CCC). (1998 - Current Contents, WOS, SCOPUS). ISSN 0370-1972.

Ohlasy:

1. [1.1] UMAROV, S. Kh. - NURITDINOV, I. - ASHUROV, Zh. Dzh. - KHALLOKOV, F. Kh. Single crystals of $\text{TiIn}_{1-x}\text{Co}(x)\text{Se}_2$ ($0 \leq x \leq 0.5$) solid solutions as effective materials for semiconductor tensometry. In *TECHNICAL PHYSICS LETTERS*. ISSN 1063-7850, 2017, vol. 43, no. 8, pp. 730-732., Registrované v: WOS

ADCA579 KANAYA, T. - TSUKUSHI, T. - KAJI, K. - BARTOŠ, Josef - KRIŠTIÁK, Jozef. Microscopic basis of free-volume concept as studied by quasielastic neutron scattering and positron annihilation lifetime spectroscopy. In *Physical Review E*, 1999, vol. 60, no. 2, p. 1906-1912. (1998: 2.066 - IF, Current Contents - CCC). (1999 - Current Contents). ISSN 2470-0045. Dostupné na: <https://doi.org/10.1103/PhysRevE.60.1906>

Ohlasy:

1. [1.1] CICERONE, M.T. - PIKAL, M.J. - QIAN, K.K. Stabilization of proteins in solid form. In *ADVANCED DRUG DELIVERY REVIEWS*. ISSN 0169-409X, OCT 1 2015, vol. 93, p. 14-24., Registrované v: WOS
2. [1.1] MASHITA, R. - INOUE, R. - TOMINAGA, T. - SHIBATA, K. - KISHIMOTO, H. - KANAYA, T. Quasielastic neutron scattering study of microscopic dynamics in polybutadiene reinforced with an unsaturated carboxylate. In *SOFT MATTER*. ISSN 1744-683X, NOV 21 2017, vol. 13, no. 43, p. 7862-7869., Registrované v: WOS
3. [1.1] SANDITOV, D.S. Free volume of amorphous substances in the model of delocalized atoms. In *DOKLADY PHYSICAL CHEMISTRY*. ISSN 0012-5016, OCT 2015, vol. 464, 2, p. 255-257., Registrované v: WOS
4. [1.1] SOLES, Christopher L. - BURNS, Adam B. - ITO, Kanae -

CHAN, Edwin - LIU, Jianwei - YEE, Albert F. - TYAGI, Madhu Sudan.
Importance of Sub-Nanosecond Fluctuations on the Toughness of Polycarbonate Glasses. In *MACROMOLECULES*. ISSN 0024-9297, 2020, vol. 53, no. 15, pp. 6672-6681., Registrované v: WOS

ADCA580 KANJAMAPORNKUL, K. - PINČÁK, Richard - CHUNITHIPAISAN, S. - BARTOŠ, Erik**. Support spinor machine. In *Digital Signal Processing*, 2017, vol. 70, p. 59-72. (2016: 2.337 - IF, Q2 - JCR, 0.598 - SJR, Q2 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 1051-2004. Dostupné na: <https://doi.org/10.1016/j.dsp.2017.07.023>

Ohlasy:

1. [1.1] ZHANG, Xiaolin - SUN, Jianting - ZHANG, Xiaotong. y Automatic Modulation Classification Based on Novel Feature Extraction Algorithms. In *IEEE ACCESS*. ISSN 2169-3536, 2020, vol. 8, pp. 16362-16371., Registrované v: WOS

ADCA581 KANJAMAPORNKUL, K. - PINČÁK, R. - BARTOŠ, Erik. The study of Thai stock market across the 2008 financial crisis. In *Physica A*, 2016, vol. 462, p. 117-133. (2015: 1.785 - IF, Q2 - JCR, 0.677 - SJR, Q2 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 0378-4371. Dostupné na: <https://doi.org/10.1016/j.physa.2016.06.078>

Ohlasy:

1. [1.1] BAUMOHL, Eduard - KOCENDA, Evzen - LYOCSA, Stefan - VYROST, Tomas. Networks of volatility spillovers among stock markets. In *PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS*. ISSN 0378-4371, 2018, vol. 490, pp. 1555-1574., Registrované v: WOS
2. [1.1] HUA, Jie - HUANG, Maolin - HUANG, Chengshun. Centrality Metrics' Performance Comparisons on Stock Market Datasets. In *SYMMETRY-BASEL*, 2019, vol. 11, no. 7, 916., Registrované v: WOS
3. [1.1] REZAEI, Mustafa Jahangoshai - JOZMALEKI, Mehrdad - VALIPOUR, Mahsa. Integrating dynamic fuzzy C-means, data envelopment analysis and artificial neural network to online prediction performance of companies in stock exchange. In *PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS*. ISSN 0378-4371, 2018, vol. 489, pp. 78-93., Registrované v: WOS

ADCA582 KANUCH, T. - MIGLIERINI, M. - LANCOK, A. - ŠVEC, Peter - ILLEKOVÁ, Emília. Influence of cobalt substitution on hyperfine interactions in (Fe(1-x)Co(x))(76)Mo(8)Cu(1)B(15) alloys. In *Acta Physica Polonica A*, 2008, vol. 113, no. 1, p. 63-66.

Ohlasy:

1. [1.1] YU, Wanqiu - LU, Liping - ZUO, Bin - HUA, Zhong - XING, Guoliang - WANG, Xinying - WANG, Dandan. Tailoring magnetic characteristics of (Fe_{1-x}Co_x)(81)Zr₉B₁₀ amorphous alloys via engineering crystallization processes. In *APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING*. ISSN 0947-8396, 2019, vol. 125, no. 9, 636., Registrované v: WOS

ADCA583 KARKI, Akchheta - WETZELAER, Gert-Jan A. H. - REDDY, Gollapalli Narayana Manjunatha - NÁDAŽDY, Vojtech - SEIFRID, Martin - SCHAUER,

Franz - BAZAN, Guillermo C. - CHMELKA, Bradley F. - BLOM, Paul W. M. - NGUYEN, Thuc-Quyen**. Unifying Energetic Disorder from Charge Transport and Band Bending in Organic Semiconductors. In *Advanced Functional Materials*, 2019, vol. 29, no. 20, art. no. 1901109. (2018: 15.621 - IF, Q1 - JCR, 5.646 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 1616-301X.
Dostupné na: <https://doi.org/10.1002/adfm.201901109>

Ohlasy:

1. [1.1] ANDERSSON, Olof - KEMERINK, Martijn. Enhancing Open-Circuit Voltage in Gradient Organic Solar Cells by Rectifying Thermalization Losses. In *SOLAR RRL*. ISSN 2367-198X, 2020, vol. 4, no. 12, 2000400., Registrované v: WOS
2. [1.1] ATHANASOPOULOS, Stavros - BAESSLER, Heinz - KOEHLER, Anna. Disorder vs Delocalization: Which Is More Advantageous for High-Efficiency Organic Solar Cells? In *JOURNAL OF PHYSICAL CHEMISTRY LETTERS*. ISSN 1948-7185, 2019, vol. 10, no. 22, pp. 7107-7112., Registrované v: WOS
3. [1.1] BARDAGOT, Olivier - KUBIK, Pawel - MARSZALEK, Tomasz - VEYRE, Pawel - MEDJAHED, Asma Aicha - SANDRONI, Martina - GREVIN, Benjamin - POUGET, Stephanie - DOMSCHKE, Tamara Nunes - CARELLA, Alexandre - GAMBARELLI, Serge - PISULA, Wojciech - DEMADRILLE, Renaud. Impact of Morphology on Charge Carrier Transport and Thermoelectric Properties of N-Type FBDOPV-Based Polymers. In *ADVANCED FUNCTIONAL MATERIALS*. ISSN 1616-301X, 2020, vol. 30, no. 21, 2000449., Registrované v: WOS
4. [1.1] HANEEF, Hamna F. - ZEIDELL, Andrew M. - JURCHESCU, Oana D. Charge carrier traps in organic semiconductors: a review on the underlying physics and impact on electronic devices. In *JOURNAL OF MATERIALS CHEMISTRY C*. ISSN 2050-7526, 2020, vol. 8, no. 3, pp. 759-787., Registrované v: WOS
5. [1.1] HOOD, Samantha - ZARRABI, Nasim - MEREDITH, Paul - KASSAL, Ivan - ARMIN, Ardan. Measuring Energetic Disorder in Organic Semiconductors Using the Photogenerated Charge-Separation Efficiency. In *JOURNAL OF PHYSICAL CHEMISTRY LETTERS*. ISSN 1948-7185, 2019, vol. 10, no. 14, pp. 3863-3870., Registrované v: WOS
6. [1.1] JIANG, Zhi - WANG, Fanji - FUKUDA, Kenjiro - KARKI, Akchheta - HUANG, Wenchao - YU, Kilho - YOKOTA, Tomoyuki - TAJIMA, Keisuke - THUC-QUYEN NGUYEN - SOMEYA, Takao. Highly efficient organic photovoltaics with enhanced stability through the formation of doping-induced stable interfaces. In *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*. ISSN 0027-8424, 2020, vol. 117, no. 12, pp. 6391-6397., Registrované v: WOS
7. [1.1] JONES, Austin L. - HO, Carr Hoi Yi - RILEY, Parand R. - ANGUNAWELA, Indunil - ADE, Harald - SO, Franky - REYNOLDS, John R. Investigating the active layer thickness dependence of non-fullerene organic solar cells based on PM7 derivatives. In *JOURNAL OF MATERIALS CHEMISTRY C*. ISSN 2050-7526, 2020, vol. 8, no. 43, pp. 15459-15469., Registrované v: WOS
8. [1.1] LV, Jie - FENG, Yu - FU, Jiehao - GAO, Jie - SINGH, Ranbir - KUMAR, Manish - KIM, Min - TANG, Hua - LU, Shirong - ZHANG, Weimin - MCCULLOCH, Iain - LI, Jianfeng - KAN, Zhipeng. Energetic Disorder and

Activation Energy in Efficient Ternary Organic Solar Cells with Nonfullerene Acceptor Eh-IDTBR as the Third Component. In SOLAR RRL. ISSN 2367-198X, 2020, vol. 4, no. 3, 1900403., Registrované v: WOS

9. [1.1] TOKAROVA, Zita - MAXIANOVA, Petra - VARY, Tomas - NADAZDY, Vojtech - VEGH, Daniel - TOKAR, Kamil. Thiophene-centered azomethines: Structure, photophysical and electronic properties. In JOURNAL OF MOLECULAR STRUCTURE. ISSN 0022-2860, 2020, vol. 1204, 127492., Registrované v: WOS

10. [1.1] VOLLBRECHT, Joachim - LEE, Jaewon - KO, Seo-Jin - BRUS, Viktor V. - KARKI, Akchheta - LE, William - SEIFRID, Martin - FORD, Michael J. - CHO, Kilwon - BAZAN, Guillermo C. - THUC-QUYEN NGUYEN. Design of narrow bandgap non-fullerene acceptors for photovoltaic applications and investigation of non-geminate recombination dynamics. In JOURNAL OF MATERIALS CHEMISTRY C. ISSN 2050-7526, 2020, vol. 8, no. 43, pp. 15175-15182., Registrované v: WOS

11. [1.1] VOLLBRECHT, Joachim - BRUS, Viktor V. On Charge Carrier Density in Organic Solar Cells Obtained via Capacitance Spectroscopy. In ADVANCED ELECTRONIC MATERIALS. ISSN 2199-160X, 2020, vol. 6, no. 10, 2000517., Registrované v: WOS

12. [1.1] WANG, Renyan - XU, Xiang - YU, Yiwei - RAN, Meng - ZHANG, Qingfu - LI, Aoju - ZHUGE, Fuwei - LI, Huiqiao - GAN, Lin - ZHAI, Tianyou. The mechanism of the modulation of electronic anisotropy in two-dimensional ReS₂. In NANOSCALE. ISSN 2040-3364, 2020, vol. 12, no. 16, pp. 8915-8921., Registrované v: WOS

13. [1.1] XIONG, Chunhua - SUN, Jiuxun - CAI, Chao - CAIYANG, Weinan - ZHU, Yuanmin. Disclosing exciton binding energy of organic materials from absorption spectrum. In SOLAR ENERGY. ISSN 0038-092X, 2020, vol. 204, pp. 155-160., Registrované v: WOS

14. [1.1] YUAN, Jun - ZHANG, Chujun - CHEN, Honggang - ZHU, Can - CHEUNG, Sin Hang - QIU, Beibei - CAI, Fangfang - WEI, Qingya - LIU, Wei - YIN, Hang - ZHANG, Rui - ZHANG, Jidong - LIU, Ye - ZHANG, Huotian - LIU, Weifang - PENG, Hongjian - YANG, Junliang - MENG, Lei - GAO, Feng - SO, Shukong - LI, Yongfang - ZOU, Yingping. Understanding energetic disorder in electron-deficient-core-based non-fullerene solar cells. In SCIENCE CHINA-CHEMISTRY. ISSN 1674-7291, 2020, vol. 63, no. 8, pp. 1159-1168., Registrované v: WOS

15. [1.1] ZHAO, Chongguang - DUAN, Lian. Review on photo- and electrical aging mechanisms for neutral excitons and ions in organic light-emitting diodes. In JOURNAL OF MATERIALS CHEMISTRY C. ISSN 2050-7526, 2020, vol. 8, no. 3, pp. 803-820., Registrované v: WOS

ADCA584 KARKI, Akchheta - VOLLBRECHT, Joachim - GILLETT, Alexander J. - SELTER, Philipp - LEE, Jaewon - PENG, Zhengxing - SCHOPP, Nora - DIXON, Alana L. - SCHROCK, Max - NÁDAŽDY, Vojtech - SCHAUER, Franz - ADE, Harald - CHMELKA, Bradley F. - BAZAN, Guillermo C. - FRIEND, Richard H. - NGUYEN, Thuc-Quyen**. Unifying Charge Generation, Recombination, and Extraction in Low-Offset Non-Fullerene Acceptor Organic Solar Cells. In *Advanced Energy Materials*, 2020, vol. 10, no. 29, 2001203. (2019: 25.245 - IF, Q1 - JCR, 9.513 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 1614-6832. Dostupné na: <https://doi.org/10.1002/aenm.202001203>

Ohlasy:

1. [1.1] DONG, Jiale - GUO, Jian - WANG, Xiaoliang - DONG, Peng - WANG, Zhongqiang - ZHOU, Yingjuan - MIAO, Yanqin - ZHAO, Bo - HAO, Yuying - WANG, Hua - XU, Bingshe - YIN, Shougen. A Low-Temperature Solution-Processed CuSCN/Polymer Hole Transporting Layer Enables High Efficiency for Organic Solar Cells. In ACS APPLIED MATERIALS & INTERFACES. ISSN 1944-8244, 2020, vol. 12, no. 41, pp. 46373-46380., Registrované v: WOS
2. [1.1] HOU, Licheng - LV, Jie - WOBLEN, Friso - LE CORRE, Vincent M. - TANG, Hua - SINGH, Ranbir - KIM, Min - WANG, Fufang - SUN, Haitao - CHEN, Wenjing - XIAO, Zhengguo - KUMAR, Manish - XU, Tongle - ZHANG, Weimin - MCCULLOCH, Iain - DUAN, Tainan - XIE, Huling - KOSTER, L. Jan Anton - LU, Shirong - KAN, Zhipeng. Effects of Fluorination on Fused Ring Electron Acceptor for Active Layer Morphology, Exciton Dissociation, and Charge Recombination in Organic Solar Cells. In ACS APPLIED MATERIALS & INTERFACES. ISSN 1944-8244, 2020, vol. 12, no. 50, pp. 56231-56239., Registrované v: WOS
3. [1.1] LI, Guangwen - YANG, Tao - CHENG, Hao - ZHANG, Youdi - WANG, Jian - LIU, Yuzhou. An investigation of annealing methods for benzodithiophene terthiophene rhodanine based all small molecule organic solar cells. In ORGANIC ELECTRONICS. ISSN 1566-1199, 2020, vol. 87, 105904., Registrované v: WOS

ADCA585 KASHEM, M.M.A. - PERLICH, J. - DIETHERT, A. - WANG, W. - MEMESA, M. - GUTMANN, J.S. - MAJKOVÁ, Eva - ROTH, S.V. - PETRY, W. - MULLER-BUSCHBAUM, P. - CAPEK, Ignác. Array of magnetic nanoparticles via particle Co-operated self-assembly in block copolymer thin film. In *Macromolecules*, 2009, vol. 42, no. 16, p. 6202-6208. ISSN 0024-9297. Dostupné na: <https://doi.org/10.1021/ma900942j>

Ohlasy:

1. [1.1] BIGALL, Nadja C. - NANDAN, Bhanu - GOWD, E. Bhoje - HORECHYY, Andriy - EYCHMUELLER, Alexander. High-Resolution Metal Nanopatterning by Means of Switchable Block Copolymer Templates. In ACS APPLIED MATERIALS & INTERFACES. ISSN 1944-8244, 2015, vol. 7, no. 23, pp. 12559- 12569., Registrované v: WOS
2. [1.1] CANO, Laida - DI MAURO, A. Evelyn - PETRONELLA, Francesca - FANIZZA, Elisabetta - STRICCOLI, Marinella - CURRI, M. Lucia - TERCJAK, Agnieszka. Effect of Iron Oxide Nanocrystal Content on the Morphology and Magnetic Properties of Polystyrene-block-poly(methyl methacrylate) Diblock Copolymer Based Nanocomposites. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2015, vol. 119, no. 11, pp. 6435-6445., Registrované v: WOS
3. [1.1] GLAVIC, Artur - SUMMERS, Brock - DAHAL, Ashutosh - KLINE, Joseph - VAN HERCK, Walter - SUKHOV, Alexander - ERNST, Arthur - SINGH, Deepak K. Spin Solid versus Magnetic Charge Ordered State in Artificial Honeycomb Lattice of Connected Elements. In ADVANCED SCIENCE. ISSN 2198-3844, 2018, vol. 5, no. 4, 1700856., Registrované v: WOS
4. [1.1] GLAVIC, A. - SUMMERS, B. - DAHAL, A. - KLINE, J. - VAN HERCK, W. - SUKHOV, A. - ERNST, A. - SINGH, D.K. Spin Solid versus Magnetic Charge Ordered State in Artificial Honeycomb Lattice of

- Connected Elements. In ADVANCED SCIENCE. ISSN 2198-3844, APR 2018, vol. 5, no. 4., Registrované v: WOS
5. [1.1] HORECHYY, Andriy - NANDAN, Bhanu - STAMM, Manfred. Functional Nanostructured Materials via Self-Assembly of Block Copolymers. In WORLD SCIENTIFIC REFERENCE OF HYBRID MATERIALS, VOL 1: BLOCK COPOLYMERS, 2019, vol. 17, pp. 1-44., Registrované v: WOS
6. [1.1] LV, Fengzhu - XU, Linan - XU, Zixian - FU, Liling - ZHANG, Yihe. Fabrication and Characterization of the Orientated MMT/PI Composite Films via Relatively Low Magnetic Field. In JOURNAL OF APPLIED POLYMER SCIENCE. ISSN 0021-8995, 2015, vol. 132, no. 1, 41224., Registrované v: WOS
7. [1.1] XIA, S.L. - METWALLI, E. - OPEL, M. - STANIEC, P.A. - HERZIG, E.M. - MULLER-BUSCHBAUM, P. Printed Thin Magnetic Films Based on Diblock Copolymer and Magnetic Nanoparticles. In ACS APPLIED MATERIALS & INTERFACES. ISSN 1944-8244, JAN 24 2018, vol. 10, no. 3, p. 2982-2991., Registrované v: WOS

ADCA586 KATRIEL, J. - BUŽEK, Vladimír. Multiparticle EPR states. In *Molecular Physics*, 2008. Vol. 106, no. 2-4, p. 497-508. ISSN 0026-8976. Dostupné na: <https://doi.org/10.1080/00268970701881154>

Ohlasy:

1. [1.1] LIM, Chjan C. General Jacobi Coordinates and Herman Resonance for Some Nonheliocentric Celestial N-body Problems. In REGULAR & CHAOTIC DYNAMICS. ISSN 1560-3547, 2020, vol. 25, no. 2, pp. 149-165., Registrované v: WOS

ADCA587 KATRYCH, S. - MIHALKOVIČ, Marek - GRAMLICH, V. - WIDOM, M. - STEURER, W. X-ray diffraction study and theoretical calculations on the X-phase, Al-9(Co, Ni)(4). In *Philosophical Magazine*, 2006, vol. 86, no. 3-5, p. 451-456. (2005: 1.470 - IF, Q1 - JCR, 1.086 - SJR, Q1 - SJR). ISSN 1478-6435. Dostupné na: <https://doi.org/10.1080/14786430500268693>

Ohlasy:

1. [1.1] HAN, Insung - XIAO, Xianghui - SUN, Haiping - SHAHANI, Ashwin J. A side-by-side comparison of the solidification dynamics of quasicrystalline and approximant phases in the Al-Co-Ni system. In ACTA CRYSTALLOGRAPHICA A-FOUNDATION AND ADVANCES. ISSN 2053-2733, 2019, vol. 75, pp. 281-296., Registrované v: WOS
2. [1.1] WANG, Yao - CACCIAMANI, Gabriele. Experimental investigation and thermodynamic assessment of the Al-Co-Ni system. In CALPHAD-COMPUTER COUPLING OF PHASE DIAGRAMS AND THERMOCHEMISTRY. ISSN 0364-5916, 2018, vol. 61, pp. 198-210., Registrované v: WOS
3. [1.1] WANG, Yaru - ZHOU, Peng - PENG, Yingbiao - DU, Yong - SUNDMAN, Bo - LONG, Jianzhan - XU, Tao - ZHANG, Zhongjian. A thermodynamic description of the Al-Co-Ni system and site occupancy in Co + AlNi₃ composite binder phase. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2016, vol. 687, no., pp. 855-866., Registrované v: WOS
4. [1.1] ZHOU, Fei - ZHOU, Yang - WANG, Jun - LIANG, Jiamiao - GAO, Haiyan - KANG, Maodong. Enlightening from gamma, gamma' and beta

phase transformations in Al-Co-Ni alloy system: A review. In CURRENT OPINION IN SOLID STATE & MATERIALS SCIENCE. ISSN 1359-0286, 2019, vol. 23, no. 6, UNSP 100784., Registrované v: WOS

ADCA588 KAVETSKYY, Taras** - SMUTOK, Oleh - DEMKIV, Olha - KASETAITE, Sigita - OSTRAUSKAITE, Jolita - ŠVAJDLENKOVÁ, Helena - ŠAUŠA, Ondrej - ZUBRYTSKA, Khrystyna - HOIVANOVYCH, Nataliia - GONCHAR, Mykhailo. Dependence of operational parameters of laccase-based biosensors on structure of photocross-linked polymers as holding matrixes. In *European Polymer Journal*, 2019, vol. 115, p. 391-398. (2018: 3.621 - IF, Q1 - JCR, 0.967 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 0014-3057. Dostupné na: <https://doi.org/10.1016/j.eurpolymj.2019.03.056>

Ohlasy:

1. [1.1] ANBINDER, S. - MEIORIN, C. - MACCHI, C. - MOSIEWICKI, M.A. - ARANGUREN, M.I. - SOMOZA, A. Structural properties of vegetable oil thermosets: Effect of crosslinkers, modifiers and oxidative aging. In EUROPEAN POLYMER JOURNAL. ISSN 0014-3057, 2020, vol. 124, 109470., Registrované v: WOS
2. [1.1] DIEZ-BUITRAGO, B. - FERNANDEZ-SANARGIMIRO, F.J. - LORENZO, J. - BRIZ, N. - PAVLOV, V. Modification of chlorosulfonated polystyrene substrates for bioanalytical applications. In MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS. ISSN 0928-4931, 2020, vol. 112, 110912., Registrované v: WOS
3. [1.2] BATISTA, É.A.- GARCIA, L.F.- DE ALBUQUERQUE, A.J.C.- BALLAMINUT, N.- SCALIZE, P.S.- GIL, E.S. Application of a voltammetric enzymatic biosensor based on crude extract of marasmiellus colocasiae for the detection of phenolic compounds in drinking water [Aplicação de um biosensor enzimático voltamétrico à base de extrato bruto de marasmiellus colocasiae para a detecção de compostos fenólicos em água potável]. (2020) Revista Ambiente e Agua, 15 (6), art. no. e2610, p. 1-10., Registrované v: Scopus

ADCA589 KAVETSKYY, Taras** - SMUTOK, Oleh - GONCHAR, Mykhailo - DEMKIV, Olha - KLEPACH, Halyna - KUKHAZH, Yuliia - ŠAUŠA, Ondrej - PETKOVA, Tamara - BOEV, Victor - ILCHEVA, Vania - PETKOV, Plamen - STEPANOV, Andrey L. Laccase-containing ureasil-polymer composite as the sensing layer of an amperometric biosensor. In *Journal of Applied Polymer Science*, 2017, vol. 134, no. 36, art. no. 45278. (2016: 1.860 - IF, Q2 - JCR, 0.588 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 0021-8995. Dostupné na: <https://doi.org/10.1002/app.45278>

Ohlasy:

1. [1.1] KUCHERENKO, I. S. - SOLDATKIN, O. O. - KUCHERENKO, D. Yu - SOLDATKINA, O. - DZYADEVYCH, S. Advances in nanomaterial application in enzyme-based electrochemical biosensors: a review. In NANOSCALE ADVANCES. ISSN 2516-0230, 2019, vol. 1, no. 12, pp. 4560-4577., Registrované v: WOS
2. [1.1] ZHANG, Yue - LV, Ziyao - ZHOU, Jie - XIN, Fengxue - MA, Jiangfeng - WU, Hao - FANG, Yan - JIANG, Min - DONG, Weiliang. Application of eukaryotic and prokaryotic laccases in biosensor and biofuel cells: recent advances and electrochemical aspects. In APPLIED MICROBIOLOGY

ADCA590 KAVETSKYY, Taras** - SMUTOK, Oleh - DEMKIV, Olha - MAŤKO, Igor - ŠVAJDLENKOVÁ, Helena - ŠAUŠA, Ondrej - NOVÁK, Ivan - BEREK, Dušan - ČECHOVÁ, Katarína - PECZ, Michal - NYKOLAISHYN-DYTSO, Oksana - WOJNAROWSKA-NOWAK, Renata - BRODA, Daniel - GONCHAR, Mykhailo - ZGARDZIŃSKA, Bożena. Microporous carbon fibers as electroconductive immobilization matrixes: Effect of their structure on operational parameters of laccase-based amperometric biosensor. In *Materials Science and Engineering C: Materials for Biological Applications*, 2020, vol. 109, art.no. 110570, [8] p. (2019: 5.880 - IF, Q1 - JCR, 1.149 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 0928-4931. Dostupné na: <https://doi.org/10.1016/j.msec.2019.110570>

Ohlasy:

1. [1.1] DAVID, M. - FLORESCU, M. - BALA, C. Biosensors for Antioxidants Detection: Trends and Perspectives. In *BIOSENSORS-BASEL*. SEP 2020, vol. 10, no. 9, 112., Registrované v: WOS

ADCA591 KAVETSKYY, T. - NOWAK, B. - BORC, J. - RUSNÁK, Jaroslav - ŠAUŠA, Ondrej - STEPANOV, A.L. Carbonization in boron-ion-implanted polymethylmethacrylate as revealed from Raman spectroscopy and electrical measurements. In *Spectroscopy Letters : An International Journal for Rapid Communication*, 2016, vol. 49, no. 1, p. 5-10. (2015: 0.885 - IF, Q3 - JCR, 0.263 - SJR, Q3 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0038-7010. Dostupné na: <https://doi.org/10.1080/00387010.2015.1044113>

Ohlasy:

1. [1.1] MALINSKY, Petr - ROMANENKO, Oleksandr - HAVRANEK, Vladimir - HNATOWICZ, Vladimir - STAMMERS, James Henry - CUTRONEO, Mariapompea - NOVAK, Josef - SLEPICKA, Petr - SVORCIK, Vaclav - SZOKOLOVA, Katerina - BOUSA, Daniel - SOFER, Zdenek - MACKOVA, Anna. Comparison of GO and polymer microcapacitors prepared by ion beam writing. In *SURFACE AND INTERFACE ANALYSIS*. ISSN 0142-2421, 2020, vol. 52, no. 12, pp. 1171-1177., Registrované v: WOS
2. [1.1] MALINSKY, P. - ROMANENKO, A. - HAVRANEK, V. - STAMMERS, J. H. - HNATOWICZ, V. - CUTRONEO, M. - NOVAK, J. - SLEPICKA, P. - SVORCIK, V. - SZOKOLOVA, K. - BOUSA, D. - SOFER, Z. - MACKOVA, A. Microcapacitors on graphene oxide and synthetic polymers prepared by microbeam lithography. In *APPLIED SURFACE SCIENCE*. ISSN 0169-4332, 2020, vol. 528, 146802., Registrované v: WOS
3. [1.1] SHARMA, Ambika - CHAWLA, Mahak - GUPTA, Divya - KUMARI, Rimpi - BURA, Manu - SHEKHAWAT, Nidhi - AGGARWAL, Sanjeev. Low energy B+ implantation induced optical and structural characteristics of aliphatic and aromatic polymers. In *VACUUM*. ISSN 0042-207X, 2019, vol. 159, pp. 306-314., Registrované v: WOS

ADCA592 KAVETSKYY, T. - TSMOTS, V. - KINOMURA, A. - KOBAYASHI, Y. - SUZUKI, R. - MOHAMED, H.F.M. - ŠAUŠA, Ondrej - NUZHIDIN, V. - VALEEV, V. - STEPANOV, A.L. Structural defects and positronium formation in 40 keV B+-implanted polymethylmethacrylate. In *Journal of Physical Chemistry B*, 2014,

vol. 118, no. 15, p. 4194-4200. (2013: 3.377 - IF, Q2 - JCR, 1.494 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1520-6106. Dostupné na: <https://doi.org/10.1021/jp410763t>

Ohlasy:

1. [1.1] HERVIEUX, Paul-Antoine - CHAKRABORTY, Anzumaan R. - CHAKRABORTY, Himadri S. Ubiquitous diffraction resonances in positronium formation from fullerenes. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 95, no. 2, 020701., Registrované v: WOS
2. [1.1] HERVIEUX, Paul-Antoine - CHAKRABORTY, Himadri S. Strongly resolved diffraction resonances in positronium formation from C-60 in forward direction. In EUROPEAN PHYSICAL JOURNAL D. ISSN 1434-6060, 2019, vol. 73, no. 12, 262., Registrované v: WOS
3. [1.1] HERVIEUX, Paul-Antoine - CHAKRABORTY, Anzumaan R. - CHAKRABORTY, Himadri S. Molecular-size effects on diffraction resonances in positronium formation from fullerenes. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 4, 042701., Registrované v: WOS
4. [1.1] KUMAR, K. V. Aneesh - KUMARASWAMY, G. N. - RANGANATHAIAH, C. - RAVIKUMAR, H. B. Influence of oxygen ion implantation on the free volume parameters and electrical conductivity of a polymer-based bakelite RPC detector material. In JOURNAL OF APPLIED POLYMER SCIENCE. ISSN 0021-8995, 2017, vol. 134, no. 24, 44962., Registrované v: WOS
5. [1.1] KUMAR, K. V. Aneesh - KRISHNAVENI, S. - ASOKAN, K. - RANGANATHAIAH, C. - RAVIKUMAR, H. S. Comparative study of 150 keV Ar⁺ and O⁺ ion implantation induced structural modification on electrical conductivity in Bakelite polymer. In JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS. ISSN 0022-3697, 2018, vol. 113, pp. 74-81., Registrované v: WOS
6. [1.1] QI, N. - CHEN, Z. Q. - UEDONO, A. Molecular motion and relaxation below glass transition temperature in poly (methyl methacrylate) studied by positron annihilation. In RADIATION PHYSICS AND CHEMISTRY. ISSN 0969-806X, 2015, vol. 108, pp. 81-86., Registrované v: WOS

ADCA593 KAVETSKYY, T.S. - TSMOTS, V.M. - ŠAUŠA, Ondrej - STEPANOV, A.L. On the application of methods of positron annihilation spectroscopy for studying radiation-stimulated processes in chalcogenide glassy semiconductors. In *Semiconductors*, 2014, vol. 48, no. 1, p. 9-12. (2013: 0.705 - IF, Q4 - JCR, 0.436 - SJR, Q3 - SJR, Current Contents - CCC). (2014 - Current Contents). ISSN 1063-7826. Dostupné na: <https://doi.org/10.1134/S1063782614010151>

Ohlasy:

1. [1.1] KUROCHKA, K. V. - MELNIKOVA, N. V. - ALIKIN, D. O. - KURENNYKH, T. E. Irradiation effect on the structural and electrical properties of the glassy Ag-Ge-As-S composite material containing carbon nanotubes. In SOLID STATE IONICS. ISSN 0167-2738, 2019, vol. 341, USNP 115026., Registrované v: WOS
2. [1.1] SHPOTYUK, O. - INGRAM, A. - SZATANIK, R. - SHPOTYUK, M. - GOLOYCHAK, R. Structural-relaxation phenomena in As-S glasses as probed by combined PAL/DBAR technique. In MATERIALS CHEMISTRY AND PHYSICS. ISSN 0254-0584, 2015, vol. 155, pp. 76.,

Registrované v: WOS

3. [1.1] SHPOTYUK, O. - KOZYUKHIN, S. A. - SHPOTYUK, M. - INGRAM, A. - SZATANIK, R. Positronics of radiation-induced effects in chalcogenide glassy semiconductors. In SEMICONDUCTORS. ISSN 1063-7826, 2015, vol. 49, no. 3, pp. 298., Registrované v: WOS

ADCA594 KAWAMURA, M. - ONO, K. - STAŇO, Peter - KONO, K. - AONO, T. Electronic magnetization of a quantum point contact measured by nuclear magnetic resonance. In *Physical Review Letters*, 2015, vol. 115, no. 3, 036601. (2014: 7.512 - IF, Q1 - JCR, 5.232 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.115.036601>

Ohlasy:

1. [1.1] BRUN, B. - MARTINS, F. - FANIEL, S. - CAVANNA, A. - ULYSSE, C. - OUERGHI, A. - GENNSER, U. - MAILLY, D. - SIMON, P. - HUANT, S. - SANQUER, M. - SELLIER, H. - BAYOT, V - HACKENS, B. Thermoelectric Scanning-Gate Interferometry on a Quantum Point Contact. In PHYSICAL REVIEW APPLIED. ISSN 2331-7019, 2019, vol. 11, no. 3, 034069., Registrované v: WOS

2. [1.1] FAUZI, M. H. - NOORHIDAYATI, A. - SAHDAN, M. F. - SATO, K. - NAGASE, K. - HIRAYAMA, Y. Dynamic nuclear polarization at high Landau levels in a quantum point contact. In PHYSICAL REVIEW B. ISSN 2469-9950, 2018, vol. 97, no. 20, 201412., Registrované v: WOS

3. [1.1] FAUZI, M. H. - SINGHA, A. - SAHDAN, M. F. - TAKAHASHI, M. - SATO, K. - NAGASE, K. - MURALIDHARAN, B. - HIRAYAMA, Y. Resistively detected NMR line shapes in a quasi-one-dimensional electron system. In PHYSICAL REVIEW B. ISSN 2469-9950, 2017, vol. 95, no. 24, 241404., Registrované v: WOS

4. [1.1] HASHISAKA, Masayuki - MURAKI, Koji - FUJISAWA, Toshimasa. Two-step breakdown of a local $\nu=1$ quantum Hall state. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 101, no. 4, 041303., Registrované v: WOS

5. [1.1] HEYDER, Jan - BAUER, Florian - SCHUBERT, Enrico - BOROWSKY, David - SCHUH, Dieter - WEGSCHEIDER, Werner - VON DELFT, Jan - LUDWIG, Stefan. Relation between the 0.7 anomaly and the Kondo effect: Geometric crossover between a quantum point contact and a Kondo quantum dot. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 92, no. 19, 195401., Registrované v: WOS

6. [1.1] KARLSSON, H. - YAKIMENKO, I. I. - BERGGREN, K-F. Nature of magnetization and lateral spin-orbit interaction in gated semiconductor nanowires. In JOURNAL OF PHYSICS-CONDENSED MATTER. ISSN 0953-8984, 2018, vol. 30, no. 21, 215302., Registrované v: WOS

7. [1.1] NOORHIDAYATI, Annisa - FAUZI, Mohammad Hamzah - SANDAN, Muhammad Fauzi - MAEDA, Shunta - SATO, Ken - NAGASE, Katsumi - HIRAYAMA, Yoshiro. Resistively detected NMR in a triple-gate quantum point contact: Magnetic field dependence. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 101, no. 3, 035425., Registrované v: WOS

8. [1.1] OKAZAKI, Yuma - MAHBOOB, Imran - ONOMITSU, Koji - SASAKI, Satoshi - NAKAMURA, Shuji - KANEKO, Nobu-Hisa - YAMAGUCHI, Hiroshi. Dynamical coupling between a nuclear spin ensemble

and electromechanical phonons. In NATURE COMMUNICATIONS. ISSN 2041-1723, 2018, vol. 9, 2993., Registrované v: WOS

9. [1.1] SINGHA, Aniket - FAUZI, M. H. - HIRAYAMA, Y. - MURALIDHARAN, Bhaskaran. Landauer-Buttiker approach for hyperfine mediated electronic transport in the integer quantum Hall regime. In PHYSICAL REVIEW B. ISSN 2469-9950, 2017, vol. 95, no. 11, 115416., Registrované v: WOS

10. [1.1] VIONNET, Gregoire - SUSHKOV, Oleg P. Enhancement Mechanism of the Electron g Factor in Quantum Point Contacts. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2016, vol. 116, no. 12, 126801., Registrované v: WOS

11. [1.1] XIAO, S. - YOON, Y. - LEE, Y.H. - BIRD, J. P. - OCHIAI, Y. - AOKI, N. - RENO, J. L. - FRANSSON, J. Detecting weak coupling in mesoscopic systems with a nonequilibrium Fano resonance. In PHYSICAL REVIEW B. ISSN 2469-9950, 2016, vol. 93, no. 16, 165435., Registrované v: WOS

12. [1.1] YAN, C. - KUMAR, S. - THOMAS, K. - SEE, P. - FARRER, I. - RITCHIE, D. - GRIFFITHS, J. - JONES, G. - PEPPER, M. Engineering the spin polarization of one-dimensional electrons. In JOURNAL OF PHYSICS-CONDENSED MATTER. ISSN 0953-8984, 2018, vol. 30, no. 8, 08LT01., Registrované v: WOS

13. [1.1] YAN, Chengyu - KUMAR, Sanjeev - THOMAS, Kalarikad - SEE, Patrick - FARRER, Ian - RITCHIE, David - GRIFFITHS, Jonathan - JONES, Geraint - PEPPER, Michael. Coherent Spin Amplification Using a Beam Splitter. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2018, vol. 120, no. 13, 137701., Registrované v: WOS

ADCA595 KECKES, J. - DANIEL, R. - MITTERER, C. - MAŤKO, Igor - SARTORY, B. - KOEPF, A. - WEISSENBACHER, R. - PITONAK, R. Self-organized periodic soft-hard nanolamellae in polycrystalline TiAlN thin films. In *Thin Solid Films*, 2013, vol. 545, p. 29-32. (2012: 1.604 - IF, Q2 - JCR, 0.897 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents). ISSN 0040-6090. Dostupné na: <https://doi.org/10.1016/j.tsf.2013.08.001>

Ohlasy:

1. [1.1] DOAN DINH PHUONG - VAN DUONG LUONG - PHAN NGOC MINH - PARK, Hyun Jun - MOON, Kyoung Il. MICROSTRUCTURE, MECHANICAL AND TRIBOLOGICAL BEHAVIOR OF THE TiAlN COATINGS. In ACTA METALLURGICA SLOVACA. ISSN 1335-1532, 2018, vol. 24, no. 4, pp. 266-272., Registrované v: WOS

2. [1.1] FOX-RABINOVICH, German - KOVALEV, Anatoly - GERSHMAN, Iosif - WAINSTEIN, Dmitry - AGUIRRE, Myriam H. - COVELLI, Danielle - PAIVA, Jose - YAMAMOTO, Kenji - VELDHUIS, Stephen. Complex Behavior of Nano-Scale Tribo-Ceramic Films in Adaptive PVD Coatings under Extreme Tribological Conditions. In ENTROPY. ISSN 1099-4300, 2018, vol. 20, no. 12, 989., Registrované v: WOS

3. [1.1] ISHIGAKI, Takuya - TATSUOKA, Sho - SATO, Kenichi - YANAGISAWA, Kosuke - YAMAGUCHI, Kenji - NISHIDA, Shin. Influence of the Al content on mechanical properties of CVD aluminum titanium nitride coatings. In INTERNATIONAL JOURNAL OF REFRACTORY METALS & HARD MATERIALS. ISSN 0263-4368, 2018, vol. 71, pp. 227-231.,

Registrované v: WOS

4. [1.1] KASSAVETIS, S. - ABADIAS, G. - VOURLIAS, G. - BANTSIS, G. - LOGOTHETIDIS, S. - PATSALAS, P. Optical properties of $\text{Ti}_{1-x}\text{Al}_x\text{N}$ thin films in the whole compositional range. In SURFACE & COATINGS TECHNOLOGY. ISSN 0257-8972, 2016, vol. 295, pp. 125-129., Registrované v: WOS

5. [1.1] KUZNETSOV, S. A. Influence of the Second Coordination Sphere on the Roughness of Niobium and Tantalum Coatings Obtained in Chloride-Fluoride Melts. In JOURNAL OF THE ELECTROCHEMICAL SOCIETY. ISSN 0013-4651, 2020, vol. 167, no. 10, 102504., Registrované v: WOS

6. [1.1] MALVAJERDI, Shahab Sharifi - MALVAJERDI, Ahmad Sharifi - GHANAATSHOAR, Majid - HABIBI, Morteza - JAHDI, Hassan. $\text{TiCrN-TiAlN-TiAlSiN-TiAlSiCN}$ multi-layers utilized to increase tillage tools useful lifetime. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2019, vol. 9, 19101., Registrované v: WOS

7. [1.1] PASEUTH, Anongsack - YAMAGATA, Kazuo - MIURA, Akira - HIGUCHI, Mikio - TADANAGA, Kiyoharu. Deposition and Analysis of Al-Rich $\text{c-Al}_x\text{Ti}_{1-x}\text{N}$ Coating with Preferred Orientation. In JOURNAL OF THE AMERICAN CERAMIC SOCIETY. ISSN 0002-7820, 2017, vol. 100, no. 1, pp. 343-353., Registrované v: WOS

8. [1.1] QIU, Ren - FORSLUND, Axel - BACKE, Olof - IYER, Anand H. S. - SATTARI, Mohammad - JANSSEN, Wiebke - MANNS, Thorsten - RUEMMEL, Johannes - RUBAN, Andrei - STIENS, Dirk - ANDREN, Hans-Olof - HALVARSSON, Mats. Effects of gas flow on detailed microstructure inhomogeneities in LPCVD TiAlN nanolamella coatings. In MATERIALIA. ISSN 2589-1529, 2020, vol. 9, 100546., Registrované v: WOS

9. [1.1] SARINGER, Christian - TKADLETZ, Michael - STARK, Andreas - SCHELL, Norbert - CZETTL, Christoph - SCHALK, Nina. In-situ investigation of the oxidation behavior of metastable CVD- $\text{Ti}_{1-x}\text{Al}_x\text{N}$ using a novel combination of synchrotron radiation XRD and DSC. In SURFACE & COATINGS TECHNOLOGY. ISSN 0257-8972, 2019, vol. 374, pp. 617-624., Registrované v: WOS

10. [1.1] UNY, Florent - ACHACHE, Sofiane - LAMRI, Salim - GHANBAJA, Jaafar - FISCHER, Evelyne - PONS, Michel - BLANQUET, Elisabeth - SCHUSTER, Frederic - SANCHETTE, Frederic. Deposition and characterization of $(\text{Ti}, \text{Al})\text{N}$ coatings deposited by thermal LPCVD in an industrial reactor. In SURFACE & COATINGS TECHNOLOGY. ISSN 0257-8972, 2019, vol. 358, pp. 923-933., Registrované v: WOS

11. [1.1] VAN DUONG LUONG - DOAN DINH PHUONG - PHAN NGOC MINH - MOON, Kyoung Il. Influence of Nitrogen Gas Flow on the Hardness and the Tribological Properties of a TiAlBN Coating Deposited by Using a Magnetron Sputtering Process. In JOURNAL OF THE KOREAN PHYSICAL SOCIETY. ISSN 0374-4884, 2017, vol. 70, no. 10, pp. 929-933., Registrované v: WOS

ADCA596 KEKSIS, A.L. - MAY, L.W. - SOULIOTIS, G.A. - VESELSKÝ, Martin - GALANOPOULOS, S. - KOHLEY, Z. - SHETTY, D.V. - SOISSON, S.N. - STEIN, B.C. - TRIPATHI, R. - WUENSCHER, S. - YENNELLO, S.J. - LI, B.A.
Experimental studies of N/Z equilibration in peripheral collisions using fragment

yield ratios. In *Physical Review C*, 2010, vol. 81, no. 5, 054602. (2009: 3.477 - IF, 2.222 - SJR, Q1 - SJR, Current Contents - CCC). (2010 - Current Contents, SCOPUS). ISSN 2469-9985. Dostupné na:
<https://doi.org/10.1103/PhysRevC.81.054602>

Ohlasy:

1. [1.1] BOUGAULT, R. - BONNET, E. - BORDERIE, B. - CHBIHI, A. - DELL'AQUILA, D. - FABLE, Q. - FRANCALANZA, L. - FRANKLAND, J. D. - GALICHET, E. - GRUYER, D. - GUINET, D. - HENRI, M. - LA COMMARA, M. - LE NEINDRE, N. - LOMBARDO, I. - LOPEZ, O. - MANDUCI, L. - MARINI, P. - PARLOG, M. - ROY, R. - SAINT-ONGE, P. - VERDE, G. - VIENT, E. - VIGILANTE, M. Light charged clusters emitted in 32 MeV/nucleon Xe-136, Xe-124+Sn-124, Sn-112 reactions: Chemical equilibrium and production of He-3 and He-6. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2018, vol. 97, no. 2, 024612., Registrované v: WOS
2. [1.1] DELL'AQUILA, D. - LOMBARDO, I. - VERDE, G. - et al. OSCAR: A new modular device for the identification and correlation of low energy particles. In *NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT*. ISSN 0168-9002, 2018, vol. 877, pp. 227-237., Registrované v: WOS
3. [1.1] MCINTOSH, Alan B. - YENNELLO, Sherry J. Interplay of neutron-proton equilibration and nuclear dynamics. In *PROGRESS IN PARTICLE AND NUCLEAR PHYSICS*. ISSN 0146-6410, 2019, vol. 108, UNSP 103707., Registrované v: WOS
4. [1.1] SU, Jun - HUANG, Ching-Yuan - XIE, Wen-Jie - ZHANG, Feng-Shou. Effects of in-medium nucleon-nucleon cross sections on stopping observable and ratio of free protons in heavy-ion collisions at 400 MeV/nucleon. In *EUROPEAN PHYSICAL JOURNAL A*. ISSN 1434-6001, 2016, vol. 52, no. 7, 207., Registrované v: WOS

ADCA597 KEPAPTSOGLOU, D.M. - ŠVEC, Peter - JANIČKOVIČ, Dušan - HRISTOFOROU, E. Evolution of lattice parameter and process rates during nanocrystallization of amorphous Fe-Co-Si-B alloy. In *Journal of Alloys and Compounds*, 2007. Vol. 434-435, p. 211-214.

Ohlasy:

1. [1.1] PAPADOPOULOU, S. Correlating elastic and plastic deformation with magnetic permeability values. In *6TH INTERNATIONAL CONFERENCE ON MATERIALS AND APPLICATIONS FOR SENSORS AND TRANSDUCERS, (IC-MAST 2016)*. ISSN 1742-6588, 2017, vol. 939, UNSP 012003., Registrované v: WOS

ADCA598 KERNER, L. - GMUCOVÁ, Katarína - KOŽÍŠEK, J. - PETŘÍČEK, V. - PUTALA, M. Easily oxidizable triarylamine materials with naphthalene and binaphthalene core: structure-properties relationship. In *Tetrahedron*, 2016, vol. 72, no. 44, p. 7081-7092. (2015: 2.645 - IF, Q2 - JCR, 0.941 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0040-4020. Dostupné na:
<https://doi.org/10.1016/j.tet.2016.09.063>

Ohlasy:

1. [1.1] AGESHINA, Alexandra A. - STERLIGOV, Grigorii K. - RZHEVSKIY, Sergey A. - TOPCHIIY, Maxim A. - CHESNOKOV, Gleb A. -

GRIBANOV, Pavel S. - MELNIKOVA, Elizaveta K. - NECHAEV, Mikhail S. - ASACHENKO, Andrey F. - BERMESHEV, Maxim V. Mixed er-NHC/phosphine Pd(ii) complexes and their catalytic activity in the Buchwald-Hartwig reaction under solvent-free conditions. In DALTON TRANSACTIONS. ISSN 1477-9226, 2019, vol. 48, no. 10, pp. 3447-3452., Registrované v: WOS

2. [1.1] OGAWA, Naoki - YAMAOKA, Yousuke - TAKIKAWA, Hiroshi - TSUBAKI, Kazunori - TAKASU, Kiyosei. Synthesis and Properties of Tribenzocarbazoles via an Acid-Promoted Retro (2+2)-Cycloaddition of Azapropellanes. In JOURNAL OF ORGANIC CHEMISTRY. ISSN 0022-3263, 2018, vol. 83, no. 15, pp. 7994-8002., Registrované v: WOS

3. [1.1] ZHANG, Chen - TANG, Ming - SUN, Bing - WANG, Weizhou - YI, Ying - ZHANG, Fang-Lin. A three-step sequence strategy for facile construction of donor-acceptor type molecules: triphenylamine-substituted acenes. In CANADIAN JOURNAL OF CHEMISTRY. ISSN 0008-4042, 2020, vol. 98, no. 1, pp. 40-48., Registrované v: WOS

ADCA599 KETOLAINEN, J. - KUBIČÁR, Ľudovít - BOHÁČ, Vlastimil - MARKOVIČ, Marián - PARONEN, P. Thermophysical properties of some pharmaceutical excipients compressed in tablets. In *Pharmaceutical Research*, 1995, vol. 12, no. 11, p. 1701-1707. ISSN 0724-8741. Dostupné na: <https://doi.org/10.1023/A:1016261605023>

Ohlasy:

1. [1.1] KROK, Alexander - GARCIA-TRINANES, Pablo - PECIAR, Marian - WU, Chuan-Yu. Finite element analysis of thermomechanical behaviour of powders during tableting. In CHEMICAL ENGINEERING RESEARCH & DESIGN. ISSN 0263-8762, 2016, vol. 110, pp. 141-151., Registrované v: WOS

2. [1.1] PARTHENIADIS, Ioannis - KARANTZALIS, Alexandros E. - SHAH, Rumi R. - AL-ZOUBI, Nizar - NIKOLAKAKIS, Ioannis. Influence of compression at elevated temperature on the compactibility of thermo-mechanically processed polymers. In CHEMICAL ENGINEERING RESEARCH & DESIGN. ISSN 0263-8762, 2020, vol. 156, pp. 64-75., Registrované v: WOS

ADCA600 KHODABAKHSHI, Farzad - SIMCHI, Abdolreza - KOKABI, Amirhossein - NOSKO, Martin - ŠVEC, Peter. Strain rate sensitivity, work hardening, and fracture behavior of an Al-Mg TiO₂ nanocomposite Prepared by friction stir processing. In *Metallurgical and materials transactions A : physical metallurgy and materials science*, 2014, vol. 45A, no. 9, p. 4073-4088. (2013: 1.730 - IF, Q1 - JCR, 1.481 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1073-5623. Dostupné na: <https://doi.org/10.1007/s11661-014-2330-1>

Ohlasy:

1. [1.1] AZARNIYA, Amir - AZARNIYA, Abolfazl - ABDOLLAH-ZADEH, Amir - HOSSEINI, Hamid Reza Madaah - RAMAKRISHNA, Seeram. In Situ Hybrid Aluminum Matrix Composites: A Review of Phase Transformations and Mechanical Aspects. In ADVANCED ENGINEERING MATERIALS. ISSN 1438-1656, 2019, vol. 21, no. 7, 1801269., Registrované v: WOS

2. [1.1] DAS, Hrishikesh - MONDAL, Mounarik - HONG, Sung-Tae -

- CHUN, Doo-Man - HAN, Heung Nam. Joining and Fabrication of Metal Matrix Composites by Friction Stir Welding/Processing. In INTERNATIONAL JOURNAL OF PRECISION ENGINEERING AND MANUFACTURING-GREEN TECHNOLOGY. ISSN 2288-6206, 2018, vol. 5, no. 1, pp. 151-172., Registrované v: WOS
3. [1.1] GANGIL, Namrata - SIDDIQUEE, Arshad Noor - MAHESHWARI, Sachin. Aluminium based in-situ composite fabrication through friction stir processing: A review. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2017, vol. 715, no., pp. 91-104., Registrované v: WOS
4. [1.1] CHEN, Shuang - FU, Dingfa - LUO, Haibo - WANG, Yu - TENG, Jie - ZHANG, Hui. Hot workability of PM 8009Al/Al₂O₃ particle-reinforced composite characterized using processing maps. In VACUUM. ISSN 0042-207X, 2018, vol. 149, no., pp. 297-305., Registrované v: WOS
5. [1.1] CHEN, Shuang - TENG, Jie - LUO, Haibo - WANG, Yu - ZHANG, Hui. Hot deformation characteristics and mechanism of PM 8009Al/SiC particle reinforced composites. In MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING. ISSN 0921-5093, 2017, vol. 697, no., pp. 194-202., Registrované v: WOS
6. [1.1] JAIN, Vikram Kumar S. - MUTHUKUMARAN, S. Influence of SiC Content on Microstructure and Tribological Properties of Friction Stir-Processed SiC/AA5083 Surface Composites. In METALLURGICAL AND MATERIALS TRANSACTIONS A-PHYSICAL METALLURGY AND MATERIALS SCIENCE. ISSN 1073-5623, 2019, vol. 50A, no. 6, pp. 2933-2944., Registrované v: WOS
7. [1.1] LI, J. T. - XU, G. M. - YU, H. L. - CHEN, G. - LI, H. J. - LU, C. - GUO, J. Y. Improvement of AA5052 sheet properties by electromagnetic twin-roll casting. In INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY. ISSN 0268-3768, 2016, vol. 85, no. 5-8, pp. 1007-1017., Registrované v: WOS
8. [1.1] PENG, Jinhua - ZHANG, Zhen - GUO, Peng - HUANG, Ji'an - ZHOU, Wei - WU, Yucheng. Microstructure and Tensile Properties of SiC Particles Reinforced AZ31 Magnesium Alloys Prepared by Multi-pass Friction Stir Processing. In TRANSACTIONS OF THE INDIAN INSTITUTE OF METALS. ISSN 0972-2815, 2020, vol. 73, no. 4, pp. 1093-1099., Registrované v: WOS
9. [1.1] PRABHU, Sivanesh M. - PERUMAL, Elaya A. - ARULVEL, S. Development of multi-pass processed AA6082/SiCp surface composite using friction stir processing and its mechanical and tribology characterization. In SURFACE & COATINGS TECHNOLOGY. ISSN 0257-8972, 2020, vol. 394, 125900., Registrované v: WOS
10. [1.1] SHOJAEEFARD, Mohammad Hasan - AKBARI, Mostafa - ASADI, Parviz - KHALKHALI, Abolfazl. The effect of reinforcement type on the microstructure, mechanical properties, and wear resistance of A356 matrix composites produced by FSP. In INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY. ISSN 0268-3768, 2017, vol. 91, no. 1-4, pp. 1391-1407., Registrované v: WOS
11. [1.1] ZHANG, Z. Y. - GUO, Y. H. - ZHAO, Y. T. - CHEN, G. - WU,

J. L. - LIU, M. P. Effect of reinforcement spatial distribution on mechanical properties of MgO/ZK60 nanocomposites by powder metallurgy. In MATERIALS CHARACTERIZATION. ISSN 1044-5803, 2019, vol. 150, pp. 229-235., Registrované v: WOS

ADCA601 KHODABAKHSHI, F. - SIMCHI, A. - KOKABI, A.H. - ŠVEC, Peter - SIMANČÍK, František - GERLICH, A.P. Effects of nanometric inclusions on the microstructural characteristics and strengthening of a friction-stir processed aluminum-magnesium alloy. In *Materials Science and Engineering A - Structural Materials Properties Microstructure and Processing*, 2015, vol. 642, p. 215-229. (2014: 2.567 - IF, Q1 - JCR, 2.235 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents). ISSN 0921-5093. Dostupné na: <https://doi.org/10.1016/j.msea.2015.06.081>

Ohlasy:

1. [1.1] ABORKIN, A. V. - SAIKOV, I. V. - BERBENTSEV, V. D. - OBEDKOV, A. M. - SYTSHEV, A. E. - ALYMOV, M. I. The Use of Gas Extrusion for the Synthesis of a High-Strength Composite Based on a 5xxx Series Aluminum Alloy Strengthened with Carbon Nanostructures. In TECHNICAL PHYSICS LETTERS. ISSN 1063-7850, 2020, vol. 46, no. 3, pp. 207-210., Registrované v: WOS

2. [1.1] AZIMI-ROEEN, Ghasem - KASHANI-BOZORG, Seyed Farshid - NOSKO, Martin - NAGY, Stefan - MATKO, Igor. Formation of Al/(Al₁₃Fe₄ + Al₂O₃) Nano-composites via Mechanical Alloying and Friction Stir Processing. In JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE. ISSN 1059-9495, 2018, vol. 27, no. 2, pp. 471-482., Registrované v: WOS

3. [1.1] BEYGI, R. - MEHRIZI, M. Zarezadeh - EISAABADI, G. B. Friction Stir Processing of Al with Mechanically Alloyed Al-TiO₂-Graphite Powder: Microstructure and Mechanical Properties. In JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE. ISSN 1059-9495, 2017, vol. 26, no. 3, pp. 1455-1462., Registrované v: WOS

4. [1.1] DRAGATOGIANNIS, D. A. - KOUMOULOS, E. P. - KARTSONAKIS, I. A. - PANTELIS, D. I. - KARAKIZIS, P. N. - CHARITIDIS, C. A. Dissimilar Friction Stir Welding Between 5083 and 6082 Al Alloys Reinforced With TiC Nanoparticles. In MATERIALS AND MANUFACTURING PROCESSES. ISSN 1042-6914, 2016, vol. 31, no. 16, pp. 2101-2114., Registrované v: WOS

5. [1.1] FEIJOO, Iria - MERINO, Pedro - PENA, Gloria - REY, Pilar - CABEZA, Marta. Microstructure and Mechanical Properties of an Extruded 6005A Al Alloy Composite Reinforced with TiC Nanosized Particles and Strengthened by Precipitation Hardening. In METALS, 2020, vol. 10, no. 8, 1050., Registrované v: WOS

6. [1.1] HUANG, Guoqiang - HOU, Wentao - LI, Junping - SHEN, Yifu. Development of surface composite based on Al-Cu system by friction stir processing: Evaluation of microstructure, formation mechanism and wear behavior. In SURFACE & COATINGS TECHNOLOGY. ISSN 0257-8972, 2018, vol. 344, pp. 30-42., Registrované v: WOS

7. [1.1] KHOJASTEHNEZHAD, Vahid M. - POURASL, Hamed H. - BARENJI, Reza Vatankehah. Effect of tool pin profile on the microstructure and mechanical properties of friction stir processed Al6061/Al₂O₃-TiB₂ surface

hybrid composite layer. In PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART L-JOURNAL OF MATERIALS-DESIGN AND APPLICATIONS. ISSN 1464-4207, 2019, vol. 233, no. 5, pp. 900-912., Registrované v: WOS

8. [1.1] MAITY, T. - PRASHANTH, K. G. - BALCI, Ozge - KIM, J. T. - SCHOBERL, T. - WANG, Z. - ECKERT, J. Influence of severe straining and strain rate on the evolution of dislocation structures during micro-/nanoindentation in high entropy lamellar eutectics. In INTERNATIONAL JOURNAL OF PLASTICITY. ISSN 0749-6419, 2018, vol. 109, pp. 121-136., Registrované v: WOS

9. [1.1] MAJI, Pabitra - GHOSH, Subrata Kumar - NATH, Rahul Kanti - KARMAKAR, Ranit. Microstructural, mechanical and wear characteristics of aluminum matrix composites fabricated by friction stir processing. In JOURNAL OF THE BRAZILIAN SOCIETY OF MECHANICAL SCIENCES AND ENGINEERING. ISSN 1678-5878, 2020, vol. 42, no. 4, 191., Registrované v: WOS

10. [1.1] MARAZANI, Tawanda - AKINLABI, Esther T. - MADYIRA, Daniel M. Reduction of Excessive Flash in Friction Stir Processing of AA1100: An Experimental Observation Study. In ADVANCES IN MATERIAL SCIENCES AND ENGINEERING. ISSN 2195-4356, 2020, pp. 299-308., Registrované v: WOS

11. [1.1] RANA, Harikrishna - BADHEKA, Vishvesh. Elucidation of the role of rotation speed and stirring direction on AA 7075-B4C surface composites formulated by friction stir processing. In PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART L-JOURNAL OF MATERIALS-DESIGN AND APPLICATIONS. ISSN 1464-4207, 2019, vol. 233, no. 5, pp. 977-994., Registrované v: WOS

12. [1.1] SADEGHI, Behzad - ABBASI, Hamid - ATAPOUR, Masoud - SHAFIEE, Saeed - CAVALIERE, Pasquale - MARFAVI, Zeinab. Friction stir spot welding of TiO₂ nanoparticle-reinforced interstitial free steel. In JOURNAL OF MATERIALS SCIENCE. ISSN 0022-2461, 2020, vol. 55, no. 26, pp. 12458-12475., Registrované v: WOS

13. [1.1] YANG, Ming - LIU, Yue - ZHU, Hanxing - ZHANG, Fan - FAN, Tongxiang - ZHANG, Di. Influences of Interfaces on Dynamic Recrystallization and Texture Evolution During Hot Rolling of Graphene Nanoribbon/Cu Composite. In METALLURGICAL AND MATERIALS TRANSACTIONS A-PHYSICAL METALLURGY AND MATERIALS SCIENCE. ISSN 1073-5623, 2018, vol. 49A, no. 12, pp. 6401-6415., Registrované v: WOS

14. [1.1] ZHANG, Z. Y. - GUO, Y. H. - ZHAO, Y. T. - CHEN, G. - WU, J. L. - LIU, M. P. Effect of reinforcement spatial distribution on mechanical properties of MgO/ZK60 nanocomposites by powder metallurgy. In MATERIALS CHARACTERIZATION. ISSN 1044-5803, 2019, vol. 150, pp. 229-235., Registrované v: WOS

15. [1.1] ZHU, Yakun - SUN, Kai - FRANKEL, G. S. Intermetallic Phases in Aluminum Alloys and Their Roles in Localized Corrosion. In JOURNAL OF THE ELECTROCHEMICAL SOCIETY. ISSN 0013-4651, 2018, vol. 165, no. 11, pp. C807-C820., Registrované v: WOS

ADCA602 KHODABAKHSHI, F.** - GERLICH, A.P. - ŠVEC, Peter. Fabrication of a high strength ultra-fine grained Al-Mg-SiC nanocomposite by multi-step friction-stir processing. In *Materials Science and Engineering A - Structural Materials Properties Microstructure and Processing*, 2017, vol. 698, p. 313-325. (2016: 3.094 - IF, Q1 - JCR, 1.669 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 0921-5093. Dostupné na: <https://doi.org/10.1016/j.msea.2017.05.065>

Ohlasy:

1. [1.1] ABORKIN, A. V. - SAIKOV, I. V. - BERBENTSEV, V. D. - OBEDKOV, A. M. - SYTSHEV, A. E. - ALYMOV, M. I. The Use of Gas Extrusion for the Synthesis of a High-Strength Composite Based on a 5xxx Series Aluminum Alloy Strengthened with Carbon Nanostructures. In *TECHNICAL PHYSICS LETTERS*. ISSN 1063-7850, 2020, vol. 46, no. 3, pp. 207-210., Registrované v: WOS
2. [1.1] ACUNA, R. - CRISTOBAL, M. J. - ABREU, C. M. - CABEZA, M. Microstructure and Wear Properties of Surface Composite Layer Produced by Friction Stir Processing (FSP) in AA2024-T351 Aluminum Alloy. In *METALLURGICAL AND MATERIALS TRANSACTIONS A-PHYSICAL METALLURGY AND MATERIALS SCIENCE*. ISSN 1073-5623, 2019, vol. 50A, no. 6, pp. 2860-2874., Registrované v: WOS
3. [1.1] ADETUNLA, Adedotun - AKINLABI, Esther. Mechanical characterization of Al/Ti-6Al-4V surface composite fabricated via FSP: a comparison of tool geometry and number of passes. In *MATERIALS RESEARCH EXPRESS*. ISSN 2053-1591, 2018, vol. 5, no. 11, 115015., Registrované v: WOS
4. [1.1] AFRINALDI, Angga - KAKIUCHI, Toshifumi - NAKAGAWA, Shohei - MORITOMI, Hiroshi - KUMABE, Kazuhiro - NAKAI, Asami - OHTANI, Akio - MIZUTANI, Yoshiki - UEMATSU, Yoshihiko. Fabrication of Recycled Carbon Fiber Reinforced Magnesium Alloy Composite by Friction Stir Processing Using 3-Flat Pin Tool and Its Fatigue Properties. In *MATERIALS TRANSACTIONS*. ISSN 1345-9678, 2018, vol. 59, no. 3, pp. 475-481., Registrované v: WOS
5. [1.1] ALISHAVANDI, Mahdi - EBADI, Mahnam - ALISHAVANDI, Sajjad - KOKABI, Amir Hossein. Microstructural and mechanical characteristics of AA1050/mischmetal oxide in-situ hybrid surface nanocomposite by multi-pass friction stir processing. In *SURFACE & COATINGS TECHNOLOGY*. ISSN 0257-8972, 2020, vol. 388, 125488., Registrované v: WOS
6. [1.1] DU, Yun-hui - ZHANG, Peng - ZHANG, Wei-yi - WANG, Yu-jie. Distribution of SiC particles in semisolid electromagnetic-mechanical stir-casting Al-SiC composite. In *CHINA FOUNDRY*. ISSN 1672-6421, 2018, vol. 15, no. 5, pp. 351-357., Registrované v: WOS
7. [1.1] GANGULY, Sourav - MONDAL, A. K. Influence of SiC nanoparticleS addition on microstructure and creep behavior of squeeze-cast AZ91-Ca-Sb magnesium alloy. In *MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING*. ISSN 0921-5093, 2018, vol. 718, pp. 377-389., Registrované v: WOS
8. [1.1] GIRISH, G. - ANANDAKRISHNAN, V. Investigations on microstructural and texture evolution during recursive friction stir processing of aluminium 7075 alloy. In *MATERIALS RESEARCH EXPRESS*. ISSN

2053-1591, 2019, vol. 6, no. 12., Registrované v: WOS

9. [1.1] GIRISH, G. - ANANDAKRISHNAN, V. Optimization of dry sliding wear parameters of recursive friction stir processed aluminium 7075 alloy. In PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART J-JOURNAL OF ENGINEERING TRIBOLOGY. ISSN 1350-6501, 2020, 1350650120941615., Registrované v: WOS

10. [1.1] HANGAI, Yoshihiko - TAKADA, Keisuke - ENDO, Ryoya - FUJII, Hidetoshi - AOKI, Yasuhiro - UTSUNOMIYA, Takao. Foaming of aluminum foam precursor during friction stir welding. In JOURNAL OF MATERIALS PROCESSING TECHNOLOGY. ISSN 0924-0136, 2018, vol. 259, pp. 109-115., Registrované v: WOS

11. [1.1] HANGAI, Yoshihiko - OTAZAWA, Shunsuke - UTSUNOMIYA, Takao - SUZUKI, Ryosuke - KOYAMA, Shinji - MATSUBARA, Masaaki - YOSHIKAWA, Nobuhiro. Fabrication of bilayer tube consisting of outer aluminum foam tube and inner dense aluminum tube by friction stir back extrusion. In MATERIALS TODAY COMMUNICATIONS. ISSN 2352-4928, 2018, vol. 15, pp. 36-42., Registrované v: WOS

12. [1.1] HANGAI, Yoshihiko - OHASHI, Masataka - NAGAHIRO, Ryohei - AMAGAI, Kenji - UTSUNOMIYA, Takao - YOSHIKAWA, Nobuhiro. Press Forming of Aluminum Foam during Foaming of Precursor. In MATERIALS TRANSACTIONS. ISSN 1345-9678, 2019, vol. 60, no. 11, pp. 2464-2469., Registrované v: WOS

13. [1.1] HANGAI, Yoshihiko - MATSUSHITA, Hayato - SUZUKI, Ryosuke - KOYAMA, Shinji - AMAGAI, Kenji - NAGAHIRO, Ryohei - UTSUNOMIYA, Takao - MATSUBARA, Masaaki - YOSHIKAWA, Nobuhiro. Refoaming of deformed aluminum foam by precursor foaming process. In JOURNAL OF POROUS MATERIALS. ISSN 1380-2224, 2019, vol. 26, no. 4, pp. 1149-1155., Registrované v: WOS

14. [1.1] HUANG, Guoqiang - HOU, Wentao - LI, Junping - SHEN, Yifu. Development of surface composite based on Al-Cu system by friction stir processing: Evaluation of microstructure, formation mechanism and wear behavior. In SURFACE & COATINGS TECHNOLOGY. ISSN 0257-8972, 2018, vol. 344, no., pp. 30-42., Registrované v: WOS

15. [1.1] CHAK, Vineet - CHATTOPADHYAY, Himadri - DORA, T. L. A review on fabrication methods, reinforcements and mechanical properties of aluminum matrix composites. In JOURNAL OF MANUFACTURING PROCESSES. ISSN 1526-6125, 2020, vol. 56, pp. 1059-1074., Registrované v: WOS

16. [1.1] JAIN, Vikram Kumar S. - MUHAMMED, P. M. - MUTHUKUMARAN, S. - BABU, S. P. Kumares. Microstructure, Mechanical and Sliding Wear Behavior of AA5083-B4C/SiC/TiC Surface Composites Fabricated Using Friction Stir Processing. In TRANSACTIONS OF THE INDIAN INSTITUTE OF METALS. ISSN 0972-2815, 2018, vol. 71, no. 6, pp. 1519-1529., Registrované v: WOS

17. [1.1] KHORRAMI, M. Sarkari - SAITO, N. - MIYASHITA, Y. - KONDO, M. Texture variations and mechanical properties of aluminum during severe plastic deformation and friction stir processing with SiC nanoparticles. In MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING. ISSN 0921-5093, 2019, vol. 744, pp. 349-364., Registrované v: WOS

18. [1.1] LI, Kan - LIU, Xuemei - ZHAO, Yi. Research Status and Prospect of Friction Stir Processing Technology. In COATINGS. ISSN 2079-6412, 2019, vol. 9, no. 2, 129., Registrované v: WOS
19. [1.1] MABUWA, Sipokazi - MSOMI, Velaphi. Fatigue behaviour of the multi-pass friction stir processed AA8011-H14 and AA6082-T651 dissimilar joints. In ENGINEERING FAILURE ANALYSIS. ISSN 1350-6307, 2020, vol. 118, 104876., Registrované v: WOS
20. [1.1] MABUWA, Sipokazi - MSOMI, Velaphi. Review on Friction Stir Processed TIG and Friction Stir Welded Dissimilar Alloy Joints. In METALS, 2020, vol. 10, no. 1, 142., Registrované v: WOS
21. [1.1] PRABHU, Sivanesh M. - PERUMAL, Elaya A. - ARULVEL, S. Development of multi-pass processed AA6082/SiCp surface composite using friction stir processing and its mechanical and tribology characterization. In SURFACE & COATINGS TECHNOLOGY. ISSN 0257-8972, 2020, vol. 394, 125900., Registrované v: WOS
22. [1.1] PRASAD REDDY, A. - VAMSI KRISHNA, P. - RAO, R. N. Tribological Behaviour of Al6061-2SiC-xGr Hybrid Metal Matrix Nanocomposites Fabricated through Ultrasonically Assisted Stir Casting Technique. In SILICON. ISSN 1876-990X, 2019, vol. 11, no. 6, pp. 2853-2871., Registrované v: WOS
23. [1.1] SEVVEL, P. - SATHEESH, C. - JAIGANESH, V. Influence of tool rotational speed on microstructural characteristics of dissimilar Mg alloys during friction stir welding. In TRANSACTIONS OF THE CANADIAN SOCIETY FOR MECHANICAL ENGINEERING. ISSN 0315-8977, 2019, vol. 43, no. 1, pp. 132-141., Registrované v: WOS
24. [1.1] SHARMA, Abhishek - NARSIMHACHARY, Damanapeta - SHARMA, Vyas Mani - SAHOO, Baidehish - PAUL, Jinu. Surface modification of Al6061-SiC surface composite through impregnation of graphene, graphite & carbon nanotubes via FSP: A tribological study. In SURFACE & COATINGS TECHNOLOGY. ISSN 0257-8972, 2019, vol. 368, pp. 175-191., Registrované v: WOS
25. [1.1] SONG, Leipeng - ZHANG, Yang - WANG, Jian - LU, Yalin. MICROSTRUCTURE AND TENSILE PROPERTIES OF FRICTION-STIR-PROCESSED Al-Li-Cu-Zr-Sc ALLOY. In MATERIALI IN TEHNOLOGIJE. ISSN 1580-2949, 2020, vol. 54, no. 5, pp. 589-593., Registrované v: WOS
26. [1.1] YANG, Ming - LIU, Yue - ZHU, Hanxing - ZHANG, Fan - FAN, Tongxiang - ZHANG, Di. Influences of Interfaces on Dynamic Recrystallization and Texture Evolution During Hot Rolling of Graphene Nanoribbon/Cu Composite. In METALLURGICAL AND MATERIALS TRANSACTIONS A-PHYSICAL METALLURGY AND MATERIALS SCIENCE. ISSN 1073-5623, 2018, vol. 49A, no. 12, pp. 6401-6415., Registrované v: WOS
27. [1.1] ZHANG, W. W. - HU, Y. - WANG, Z. - YANG, C. - ZHANG, G. Q. - PRASHANTH, K. G. - SURYANARAYANA, C. A novel high-strength Al-based nanocomposite reinforced with Ti-based metallic glass nanoparticles produced by powder metallurgy. In MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING. ISSN 0921-5093, 2018, vol. 734, pp. 34-41., Registrované v: WOS

28. [1.1] ZHANG, W. Y. - DU, Y. H. - ZHANG, P. - WANG, Y. J. Air-isolated stir casting of homogeneous Al-SiC composite with no air entrapment and Al₄C₃. In JOURNAL OF MATERIALS PROCESSING TECHNOLOGY. ISSN 0924-0136, 2019, vol. 271, pp. 226-236., Registrované v: WOS
29. [1.1] ZHANG, W. Y. - DU, Y. H. - ZHANG, P. Vortex-free stir casting of Al-1.5 wt% Si-SiC composite. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2019, vol. 787, pp. 206-215., Registrované v: WOS
30. [1.1] ZHANG, Z. Y. - YANG, R. - CHEN, G. - ZHU, Q. - ZHAO, Y. T. - CHEN, F. - WANG, C. L. Hierarchical microstructure and mechanical properties of extruded ZrB₂/2024Al nanocomposite. In MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING. ISSN 0921-5093, 2019, vol. 761, 138041., Registrované v: WOS
31. [1.1] ZHOU, Dongshuai - WANG, Jian - LU, Yalin - BAI, Zhihao. Microstructure evolution and mechanical properties of friction stir processed TiC/7085Al nanocomposites. In MATERIALS RESEARCH EXPRESS, 2020, vol. 7, no. 3, 036515., Registrované v: WOS

ADCA603 KHODABAKHSHI, F.** - ARAB, S.M. - ŠVEC, Peter - GERLICH, A.P. Fabrication of a new Al-Mg/graphene nanocomposite by multi-pass friction-stir processing: Dispersion, microstructure, stability, and strengthening. In *Materials Characterization*, 2017, vol. 132, p. 92-107. (2016: 2.714 - IF, Q1 - JCR, 1.222 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 1044-5803. Dostupné na: <https://doi.org/10.1016/j.matchar.2017.08.009>

Ohlasy:

1. [1.1] ABBASI, M. - GIVI, M. - RAMAZANI, A. Friction stir vibration processing: a new method to improve the microstructure and mechanical properties of Al5052/SiC surface nanocomposite layer. In INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY. ISSN 0268-3768, 2019, vol. 100, no. 5-8, pp. 1463-1473., Registrované v: WOS
2. [1.1] ABORKIN, A. V. - SAIKOV, I. V. - BERBENTSEV, V. D. - OBEDKOV, A. M. - SYTSHEV, A. E. - ALYMOV, M. I. The Use of Gas Extrusion for the Synthesis of a High-Strength Composite Based on a 5xxx Series Aluminum Alloy Strengthened with Carbon Nanostructures. In TECHNICAL PHYSICS LETTERS. ISSN 1063-7850, 2020, vol. 46, no. 3, pp. 207-210., Registrované v: WOS
3. [1.1] ADETUNLA, Adedotun - AKINLABI, Esther. Influence of reinforcements in friction stir processed magnesium alloys: insight in medical applications. In MATERIALS RESEARCH EXPRESS. ISSN 2053-1591, 2019, vol. 6, no. 2, 025406., Registrované v: WOS
4. [1.1] AHMAD, Sara - HAMOUDI, Hicham - ABDALA, Ahmed - GHOURI, Zafar K. - YOUSSEF, Khaled M. Graphene-Reinforced Bulk Metal Matrix Composites: Synthesis, Microstructure, and Properties. In REVIEWS ON ADVANCED MATERIALS SCIENCE. ISSN 1606-5131, 2020, vol. 59, no. 1, pp. 67-114., Registrované v: WOS
5. [1.1] DONG, L. L. - XIAO, B. - LIU, Y. - LI, Y. L. - FU, Y. Q. - ZHAO, Y. Q. - ZHANG, Y. S. Sintering effect on microstructural evolution and

- mechanical properties of spark plasma sintered Ti matrix composites reinforced by reduced graphene oxides. In CERAMICS INTERNATIONAL. ISSN 0272-8842, 2018, vol. 44, no. 15, pp. 17835-17844., Registrované v: WOS
6. [1.1] FOTOHI, H. - LOTFI, B. - SADEGHIAN, Z. - BYEON, J-W. Effect of post-processing heat treatment on microstructure evolution and mechanical properties of in-situ Al/(Al₃Ni-TiC) hybrid composite fabricated by friction stir processing using mechanically activated powders. In KOVOVE MATERIALY-METALLIC MATERIALS. ISSN 0023-432X, 2020, vol. 58, no. 3, pp. 211-222., Registrované v: WOS
 7. [1.1] GAMIL, Mohammed - AHMED, Mohamed M. Z. Investigating the Thermo-Mechanical Properties of Aluminum/Graphene Nano-Platelets Composites Developed by Friction Stir Processing. In INTERNATIONAL JOURNAL OF PRECISION ENGINEERING AND MANUFACTURING. ISSN 2234-7593, 2020, vol. 21, no. 8, pp. 1539-1546., Registrované v: WOS
 8. [1.1] HEIDARZADEH, Akbar - TAGHIZADEH, Babak - MOHAMMADZADEH, Ahad. Microstructure and mechanical properties of CuZn-Al(2)O(3)nanocomposites produced by friction stir processing. In ARCHIVES OF CIVIL AND MECHANICAL ENGINEERING. ISSN 1644-9665, 2020, vol. 20, no. 3, 98., Registrované v: WOS
 9. [1.1] HUANG, Guoqiang - HOU, Wentao - LI, Junping - SHEN, Yifu. Development of surface composite based on Al-Cu system by friction stir processing: Evaluation of microstructure, formation mechanism and wear behavior. In SURFACE & COATINGS TECHNOLOGY. ISSN 0257-8972, 2018, vol. 344, pp. 30-42., Registrované v: WOS
 10. [1.1] HUANG, Guoqiang - WU, Jie - HOU, Wentao - SHEN, Yifu. Microstructure, mechanical properties and strengthening mechanism of titanium particle reinforced aluminum matrix composites produced by submerged friction stir processing. In MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING. ISSN 0921-5093, 2018, vol. 734, pp. 353-363., Registrované v: WOS
 11. [1.1] KHAN, Mahmood - DIN, Rafi Ud - WADOOD, Abdul - SYED, Wilayat Husain - AKHTAR, Shahid - AUNE, Ragnhild Elizabeth. Effect of graphene nanoplatelets on the physical and mechanical properties of Al6061 in fabricated and T6 thermal conditions. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2019, vol. 790, pp. 1076-1091., Registrované v: WOS
 12. [1.1] LIANG, Aoyan - JIANG, Xiaosong - HONG, Xin - JIANG, Yixin - SHAO, Zhenyi - ZHU, Degui. Recent Developments Concerning the Dispersion Methods and Mechanisms of Graphene. In COATINGS. ISSN 2079-6412, 2018, vol. 8, no. 1, 33., Registrované v: WOS
 13. [1.1] LI, Kan - LIU, Xuemei - ZHAO, Yi. Research Status and Prospect of Friction Stir Processing Technology. In COATINGS. ISSN 2079-6412, 2019, vol. 9, no. 2, 129., Registrované v: WOS
 14. [1.1] LI, Yan - FENG, Zuying - HUANG, Lijing - ESSA, Khamis - BILOTTI, Emiliano - ZHANG, Han - PEIJS, Ton - HAO, Liang. Additive manufacturing high performance graphene-based composites: A review. In COMPOSITES PART A-APPLIED SCIENCE AND MANUFACTURING. ISSN 1359-835X, 2019, vol. 124, UNSP 105483., Registrované v: WOS
 15. [1.1] MAJI, Pabitra - GHOSH, Subrata Kumar - NATH, Rahul Kanti

- KARMAKAR, Ranit. Microstructural, mechanical and wear characteristics of aluminum matrix composites fabricated by friction stir processing. In JOURNAL OF THE BRAZILIAN SOCIETY OF MECHANICAL SCIENCES AND ENGINEERING. ISSN 1678-5878, 2020, vol. 42, no. 4, 191., Registrované v: WOS

16. [1.1] MEI, Yong - SHAO, Pu-zhen - SUN, Ming - CHEN, Guo-qin - HUSSAIN, Murid - HUANG, Feng-lei - ZHANG, Qiang - GAO, Xiao-sa - PEI, Yin-yin - ZHONG, Su-juan - WU, Gao-hui. Deformation treatment and microstructure of graphene-reinforced metal matrix nanocomposites: A review of graphene post-dispersion. In INTERNATIONAL JOURNAL OF MINERALS METALLURGY AND MATERIALS. ISSN 1674-4799, 2020, vol. 27, no. 7, pp. 888-899., Registrované v: WOS

17. [1.1] MIAO YU - XIA CHUN - HUANG CHUNPING - KE LIMING - FU QIANG. Microstructure and Mechanical Properties of GNPs/Al Composites Fabricated by Friction Stir Processing. In RARE METAL MATERIALS AND ENGINEERING. ISSN 1002-185X, 2020, vol. 49, no. 12, pp. 4329-4335., Registrované v: WOS

18. [1.1] NAGHSHEHKESH, Nastaran - MOUSAVI, Seyed Elias - KARIMZADEH, Fathallah - ASHRAFI, Ali - NOSKO, Martin - TREMBOSOVA, Veronika - SADEGHI, Behzad. Effect of graphene oxide and friction stir processing on microstructure and mechanical properties of Al5083 matrix composite. In MATERIALS RESEARCH EXPRESS. ISSN 2053-1591, 2019, vol. 6, no. 10, 106566., Registrované v: WOS

19. [1.1] NASEER, Abqaat - AHMAD, Faiz - ASLAM, Muhammad - GUAN, Beh Hoe - HARUN, Wan Sharuzi Wan - MUHAMAD, Norhamidi - RAZA, Muhammad Rafi - GERMAN, Randall M. A review of processing techniques for graphene-reinforced metal matrix composites. In MATERIALS AND MANUFACTURING PROCESSES. ISSN 1042-6914, 2019, vol. 34, no. 9, pp. 957-985., Registrované v: WOS

20. [1.1] PRABHU, Sivanesh M. - PERUMAL, Elaya A. - ARULVEL, S. Development of multi-pass processed AA6082/SiCp surface composite using friction stir processing and its mechanical and tribology characterization. In SURFACE & COATINGS TECHNOLOGY. ISSN 0257-8972, 2020, vol. 394, 125900., Registrované v: WOS

21. [1.1] RAHEJA, Gagandeep Singh - SINGH, Sunpreet - PRAKASH, Chander. Processing and characterization of Al5086-Gr-SiC hybrid surface composite using friction stir technique. In MATERIALS TODAY-PROCEEDINGS. ISSN 2214-7853, 2020, vol. 28, pp. 1350-1354., Registrované v: WOS

22. [1.1] SAHU, Prakash Kumar - DAS, Jayashree - CHEN, Gaoqiang - LIU, Qu - PAL, Sukhomay - ZENG, Shenbo - SHI, Qingyu. Friction stir selective alloying of different Al% particulate reinforced to AZ31 Mg for enhanced mechanical and metallurgical properties. In MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING. ISSN 0921-5093, 2020, vol. 774, 138889., Registrované v: WOS

23. [1.1] SANCHEZ-CUEVAS, J. J. - ZARATE-MEDINA, J. - NAVARRO, O. - MERCADO-ZUNIGA, C. - REYNOSO-MARIN, F. J. - ROSAS, G. Microstructure and Microhardness of the Al-10Mg Alloy Processed by the Mechanical Alloying Technique. In SCIENCE OF SINTERING. ISSN

- 0350-820X, 2020, vol. 52, no. 2, pp. 123-133., Registrované v: WOS
24. [1.1] SHAO, Puzhen - YANG, Wenshu - ZHANG, Qiang - MENG, Qingyu - TAN, Xin - XIU, Ziyang - QIAO, Jing - YU, Zhenhe - WU, Gaohui. Microstructure and tensile properties of 5083 Al matrix composites reinforced with graphene oxide and graphene nanoplates prepared by pressure infiltration method. In COMPOSITES PART A-APPLIED SCIENCE AND MANUFACTURING. ISSN 1359-835X, 2018, vol. 109, pp. 151-162., Registrované v: WOS
25. [1.1] SHARMA, Abhishek - FUJII, Hidetoshi - PAUL, Jinu. Influence of reinforcement incorporation approach on mechanical and tribological properties of AA6061-CNT nanocomposite fabricated via FSP. In JOURNAL OF MANUFACTURING PROCESSES. ISSN 1526-6125, 2020, vol. 59, pp. 604-620., Registrované v: WOS
26. [1.1] SHARMA, Abhishek - NARSIMHACHARY, Damanapeta - SHARMA, Vyas Mani - SAHOO, Baidehish - PAUL, Jinu. Surface modification of Al6061-SiC surface composite through impregnation of graphene, graphite & carbon nanotubes via FSP: A tribological study. In SURFACE & COATINGS TECHNOLOGY. ISSN 0257-8972, 2019, vol. 368, pp. 175-191., Registrované v: WOS
27. [1.1] SHARMA, Abhishek - SHARMA, Vyas Mani - PAUL, Jinu. A comparative study on microstructural evolution and surface properties of graphene/CNT reinforced Al6061-SiC hybrid surface composite fabricated via friction stir processing. In TRANSACTIONS OF NONFERROUS METALS SOCIETY OF CHINA. ISSN 1003-6326, 2019, vol. 29, no. 10, pp. 2005-2026., Registrované v: WOS
28. [1.1] SHARMA, Abhishek - SHARMA, Vyas Mani - SAHOO, Baidehish - PAL, Surjya Kanta - PAUL, Jinu. Effect of multiple micro channel reinforcement filling strategy on Al6061-graphene nanocomposite fabricated through friction stir processing. In JOURNAL OF MANUFACTURING PROCESSES. ISSN 1526-6125, 2019, vol. 37, pp. 53-70., Registrované v: WOS
29. [1.1] SHARMA, Abhishek - SHARMA, Vyas Mani - PAUL, Jinu. Fabrication of bulk aluminum-graphene nanocomposite through friction stir alloying. In JOURNAL OF COMPOSITE MATERIALS. ISSN 0021-9983, 2020, vol. 54, no. 1, pp. 45-60., Registrované v: WOS
30. [1.1] SHAZALI, Siti Shafiah - AMIRI, Ahmad - ZUBIR, Mohd. Nashrul Mohd - ROZALI, Shaifulazuar - ZABRI, Mohd Zakuan - SABRI, Mohd Faizul Mohd. Facile hydrothermal method for synthesizing nitrogen-doped graphene nanoplatelets using aqueous ammonia: dispersion, stability in solvents and thermophysical performances. In MATERIALS RESEARCH EXPRESS. ISSN 2053-1591, 2018, vol. 5, no. 3, 035042., Registrované v: WOS
31. [1.1] WANG, Chaoyu - SU, Yishi - OUYANG, Qiubao - ZHANG, Di. Enhanced through-plane thermal conductivity and mechanical properties of vertically aligned graphene nanoplatelet@graphite flakes reinforced aluminum composites. In DIAMOND AND RELATED MATERIALS. ISSN 0925-9635, 2020, vol. 108, 107929., Registrované v: WOS
32. [1.1] WANG, Shuai - WEI, Xiao - XU, Jijin - HONG, Jie - SONG, Xuefeng - YU, Chun - CHEN, Junmei - CHEN, Xiaoqi - LU, Hao. Strengthening and toughening mechanisms in refilled friction stir spot welding of AA2014 aluminum alloy reinforced by graphene nanosheets. In MATERIALS & DESIGN. ISSN 0264-1275, 2020, vol. 186, 108212., Registrované v: WOS

33. [1.1] YANG, Ming - LIU, Yue - ZHU, Hanxing - ZHANG, Fan - FAN, Tongxiang - ZHANG, Di. Influences of Interfaces on Dynamic Recrystallization and Texture Evolution During Hot Rolling of Graphene Nanoribbon/Cu Composite. In METALLURGICAL AND MATERIALS TRANSACTIONS A-PHYSICAL METALLURGY AND MATERIALS SCIENCE. ISSN 1073-5623, 2018, vol. 49A, no. 12, pp. 6401-6415., Registrované v: WOS
34. [1.1] YANG, Wenshu - ZHAO, Qiqi - XIN, Ling - QIAO, Jing - ZOU, Junyu - SHAO, Puzhen - YU, Zhenhe - ZHANG, Qiang - WU, Gaohui. Microstructure and mechanical properties of graphene nanoplates reinforced pure Al matrix composites prepared by pressure infiltration method. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2018, vol. 732, pp. 748-758., Registrované v: WOS
35. [1.1] YAQOOB, Basit - PASHA, Riffat Asim - AWANG, Mokhtar - NASIR, Muhammad Ali - HUSSAIN, Azhar - NAZIR, Kamran. Comparison of Mixing Strategies and Hybrid Ratio Optimization for Mechanical Properties Enhancement of Al-CeO₂-GNP's Metal Matrix Composite Fabricated by Friction Stir Processing. In METALLOGRAPHY MICROSTRUCTURE AND ANALYSIS. ISSN 2192-9262, 2019, vol. 8, no. 4, pp. 534-544., Registrované v: WOS
36. [1.1] ZANG, Qianhao - LI, Xiaowen - CHEN, Hongmei - ZHANG, Jing - WANG, Ling - CHEN, Shujin - JIN, Yunxue - LU, Sheng. Microstructure and Mechanical Properties of AZ31/ZrO₂ Composites Prepared by Friction Stir Processing With High Rotation Speed. In FRONTIERS IN MATERIALS. ISSN 2296-8016, 2020, vol. 7, 278., Registrované v: WOS
37. [1.1] ZHANG, Jiangshan - LIU, Qing - YANG, Shufeng - CHEN, Zhixin - LIU, Qiang - JIANG, Zhengyi. Microstructural evolution of hybrid aluminum matrix composites reinforced with SiC nanoparticles and graphene/graphite prepared by powder metallurgy. In PROGRESS IN NATURAL SCIENCE-MATERIALS INTERNATIONAL. ISSN 1002-0071, 2020, vol. 30, no. 2, pp. 192-199., Registrované v: WOS
38. [1.1] ZHANG, Z. W. - LIU, Z. Y. - XIAO, B. L. - NI, D. R. - MA, Z. Y. High efficiency dispersal and strengthening of graphene reinforced aluminum alloy composites fabricated by powder metallurgy combined with friction stir processing. In CARBON. ISSN 0008-6223, 2018, vol. 135, pp. 215-223., Registrované v: WOS
39. [1.1] ZHANG, Z. Y. - YANG, R. - LI, Y. - CHEN, G. - ZHAO, Y. T. - LIU, M. P. Microstructural evolution and mechanical properties of friction stir processed ZrB₂/6061Al nanocomposites. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2018, vol. 762, pp. 312-318., Registrované v: WOS
40. [1.1] ZHAO, Zhanyong - BAI, Peikang - MISRA, R. D. K. - DONG, Mengyao - GUAN, Renguo - LI, Yanjun - ZHANG, Jiaoxia - TAN, Le - GAO, Jianfeng - DING, Tao - DU, Wenbo - GUO, Zhanhu. AlSi10Mg alloy nanocomposites reinforced with aluminum-coated graphene: Selective laser melting, interfacial microstructure and property analysis. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2019, vol. 792, pp. 203-214., Registrované v: WOS
41. [1.1] ZHAO, Zhanyong - BAI, Peikang - DU, Wenbo - LIU, Bin - PAN, Duo - DAS, Rajib - LIU, Chuntai - GUO, Zhanhu. An overview of

graphene and its derivatives reinforced metal matrix composites: Preparation, properties and applications. In CARBON. ISSN 0008-6223, 2020, vol. 170, pp. 302-326., Registrované v: WOS

42. [1.1] ZYKOVA, Anna P. - TARASOV, Sergei Yu - CHUMAEVSKIY, Andrey - KOLUBAEV, Evgeniy A. A Review of Friction Stir Processing of Structural Metallic Materials: Process, Properties, and Methods. In METALS, 2020, vol. 10, no. 6, 772., Registrované v: WOS

ADCA604 KHODABAKHSHI, F.** - SIMCHI, A. - KOKABI, A.H. - GERLICH, A.P. - NOSKO, Martin - ŠVEC, Peter. Influence of hard inclusions on microstructural characteristics and textural components during dissimilar friction-stir welding of an PM Al–Al₂O₃–SiC hybrid nanocomposite with AA1050 alloy. In *Science and Technology of Welding and Joining*, 2017, vol. 22, no. 5, p. 412-427. (2016: 2.050 - IF, Q1 - JCR, 1.529 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 1362-1718. Dostupné na: <https://doi.org/10.1080/13621718.2016.1251714>

Ohlasy:

1. [1.1] MOHAMMED, Sameer - BIRRU, Anil Kumar. Friction Stir Welding of AA6082 Thin Aluminium Alloy Reinforced with Al₂O₃ Nanoparticles. In TRANSACTIONS OF THE INDIAN CERAMIC SOCIETY. ISSN 0371-750X, 2019, vol. 78, no. 3, pp. 137-145., Registrované v: WOS

2. [1.1] PANDEY, Ankit Kumar - NAYAK, Kanhu Charan - MAHAPATRA, S. S. Characterization of friction stir spot welding between copper and poly-methyl-methacrylate (PMMA) sheet. In MATERIALS TODAY COMMUNICATIONS. ISSN 2352-4928, 2019, vol. 19, pp. 131-139., Registrované v: WOS

3. [1.1] SAHU, Santosh K. - PAL, Kamal - MAHTO, Raju P. - DASH, Padmanav. Monitoring of friction stir welding for dissimilar Al 6063 alloy to polypropylene using sensor signals. In INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY. ISSN 0268-3768, 2019, vol. 104, no. 1-4, pp. 159-177., Registrované v: WOS

4. [1.1] SEVELL, P. - SATHEESH, C. - JAIGANESH, V. Influence of tool rotational speed on microstructural characteristics of dissimilar Mg alloys during friction stir welding. In TRANSACTIONS OF THE CANADIAN SOCIETY FOR MECHANICAL ENGINEERING. ISSN 0315-8977, 2019, vol. 43, no. 1, pp. 132-141., Registrované v: WOS

ADCA605 KHODABAKHSHI, F. - SIMCHI, A. - KOKABI, A.H. - NOSKO, Martin - SIMANČÍK, František - ŠVEC, Peter. Microstructure and texture development during friction stir processing of Al-Mg alloy sheets with TiO₂ nanoparticles. In *Materials Science and Engineering A - Structural Materials Properties Microstructure and Processing*, 2014, vol. 605, no. 5, p. 108-118. (2013: 2.409 - IF, Q1 - JCR, 1.879 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents). ISSN 0921-5093. Dostupné na: <https://doi.org/10.1016/j.msea.2014.03.008>

Ohlasy:

1. [1.1] ABRAHAM, Sahayam Joyson - DINAHARAN, Isaac - SELVAM, Jebaraj David Raja - AKINLABI, Esther Titilayo. Microstructural Characterization and Tensile Behavior of Rutile (TiO₂)-Reinforced AA6063 Aluminum Matrix Composites Prepared by Friction Stir Processing. In ACTA

- METALLURGICA SINICA-ENGLISH LETTERS. ISSN 1006-7191, 2019, vol. 32, no. 1, pp. 52-62., Registrované v: WOS
2. [1.1] AHMADIFARD, Saeed - KAZEMI, Shahab - HEIDARPOUR, Akbar. Production and characterization of A5083-Al₂O₃-TiO₂ hybrid surface nanocomposite by friction stir processing. In PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART L-JOURNAL OF MATERIALS-DESIGN AND APPLICATIONS. ISSN 1464-4207, 2018, vol. 232, no. 4, pp. 287-293., Registrované v: WOS
3. [1.1] AKSHAY, B. R. - KESHAVAMURTHY, R. - KUPPAHALLI, Prabhakar - SUDHAN, Madhu J. Mechanical Properties of Friction Stir Processed Al6061-BN Surface Composite. In MATERIALS TODAY-PROCEEDINGS. ISSN 2214-7853, 2018, vol. 5, no. 11, pp. 24568-24577., Registrované v: WOS
4. [1.1] ALROBEI, Hussein. Effect of different parameters and aging time on wear resistance and hardness of SiC-B₄C reinforced AA6061 alloy. In JOURNAL OF MECHANICAL SCIENCE AND TECHNOLOGY. ISSN 1738-494X, 2020, vol. 34, no. 5, pp. 2027-2034., Registrované v: WOS
5. [1.1] ARAB, Seyyed Mohammad - KARIMI, Saeed - JAHROMI, Seyyed Ahmad Jenabali - JAVADPOUR, Sirus - ZEBARJAD, Seyyed Mojtaba. Fabrication of novel fiber reinforced aluminum composites by friction stir processing. In MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING. ISSN 0921-5093, 2015, vol. 632, no., pp. 50-57., Registrované v: WOS
6. [1.1] AZARNIYA, Abolfazi - HOSSEINI, Hamid Reza Madaah - JAFARI, Mohadese - BAGHERI, Niloofar. Thermal decomposition of nanostructured Aluminum Titanate in an active Al matrix: A novel approach to fabrication of in situ Al/Al₂O₃-Al₃Ti composites. In MATERIALS & DESIGN. ISSN 0264-1275, 2015, vol. 88, no., pp. 932-941., Registrované v: WOS
7. [1.1] AZARNIYA, Amir - AZARNIYA, Abolfazl - ABDOLLAH-ZADEH, Amir - HOSSEINI, Hamid Reza Madaah - RAMAKRISHNA, Seeram. In Situ Hybrid Aluminum Matrix Composites: A Review of Phase Transformations and Mechanical Aspects. In ADVANCED ENGINEERING MATERIALS. ISSN 1438-1656, 2019, vol. 21, no. 7, 1801269., Registrované v: WOS
8. [1.1] AZIZIEH, M. - POURMODHEJI, R. - LARKI, A. N. - DEZFULI, M. A. G. - REZAEI, A. - KIM, H. S. Effect of multi-pass friction stir processing on the microstructure and hardness of AA1100/Al₁₃Fe₄ in situ composites. In MATERIALS RESEARCH EXPRESS. ISSN 2053-1591, 2019, vol. 6, no. 4, 046558., Registrované v: WOS
9. [1.1] BABU, N. Kishore - KALLIP, Kaspar - LEPAROUX, Marc - ALOGAB, Khaled A. - REDDY, G. M. - TALARI, M. K. Characterization of microstructure and mechanical properties of friction stir welded AlMg₅-Al₂O₃ nanocomposites. In MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING. ISSN 0921-5093, 2016, vol. 658, no., pp. 109-122., Registrované v: WOS
10. [1.1] BAURI, Ranjit - YADAV, Devinder. Processing Metal Matrix Composite (MMC) by FSP. In METAL MATRIX COMPOSITES BY FRICTION STIR PROCESSING, 2018, vol., no., pp. 31-55., Registrované v:

WOS

11. [1.1] DAS, Hrishikesh - MONDAL, Mounarik - HONG, Sung-Tae - CHUN, Doo-Man - HAN, Heung Nam. Joining and Fabrication of Metal Matrix Composites by Friction Stir Welding/Processing. In INTERNATIONAL JOURNAL OF PRECISION ENGINEERING AND MANUFACTURING-GREEN TECHNOLOGY. ISSN 2288-6206, 2018, vol. 5, no. 1, pp. 151-172., Registrované v: WOS
12. [1.1] GANGIL, Namrata - SIDDIQUEE, Arshad Noor - MAHESHWARI, Sachin. Aluminium based in-situ composite fabrication through friction stir processing: A review. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2017, vol. 715, no., pp. 91-104., Registrované v: WOS
13. [1.1] HEIDARPOUR, A. - AHMADIFARD, S. - KAZEMI, Sh. On the Al5083-Al2O3-TiO2 Hybrid Surface Nanocomposite Produced by Friction Stir Processing. In PROTECTION OF METALS AND PHYSICAL CHEMISTRY OF SURFACES. ISSN 2070-2051, 2018, vol. 54, no. 3, pp. 409-415., Registrované v: WOS
14. [1.1] KARPASAND, Farshid - ABBASI, Alireza - ARDESTANI, Mohammad. Effect of amount of TiB2 and B4C particles on tribological behavior of Al7075/B4C/TiB2 mono and hybrid surface composites produced by friction stir processing. In SURFACE & COATINGS TECHNOLOGY. ISSN 0257-8972, 2020, vol. 390, 125680., Registrované v: WOS
15. [1.1] KHORRAMI, M. Sarkari - SAITO, N. - MIYASHITA, Y. - KONDO, M. Texture variations and mechanical properties of aluminum during severe plastic deformation and friction stir processing with SiC nanoparticles. In MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING. ISSN 0921-5093, 2019, vol. 744, pp. 349-364., Registrované v: WOS
16. [1.1] KUMAR, P. - THAKUR, L. - BHADOURIA, N. - DIXIT, S. Microstructure and mechanical behaviour of friction stir processed AZ91-D magnesium alloy optimization of process parameters by using the Taguchi method. In KOVOVE MATERIALY-METALLIC MATERIALS. ISSN 0023-432X, 2019, vol. 57, no. 3, pp. 207-217., Registrované v: WOS
17. [1.1] LAN, F. Y. - CHEN, H. M. - GUO, W. P. - ZHANG, J. - JIN, Y. X. Effects of Friction Stir Processing on Mechanical Properties and Damping Capacities of AZ31 Magnesium Alloys. In INTERNATIONAL CONFERENCE ON MATERIALS SCIENCES AND NANOMATERIALS. ISSN 1757-8981, 2017, vol. 230, no., pp., Registrované v: WOS
18. [1.1] LATA, Surabhi - VERMA, Nitish Kumar - SHARMA, Aayush - GUPTA, Nitesh - CHOPRA, Daksh - SINGH, Chetan. Investigation of properties of Aluminium Based Nanocomposite Reinforced with Biologically Synthesized Silver Nanoparticles. In MATERIALS TODAY-PROCEEDINGS. ISSN 2214-7853, 2018, vol. 5, no. 2, pp. 6157-6169., Registrované v: WOS
19. [1.1] MADHU, H. C. - KUMAR, P. Ajay - PERUGU, Chandra S. - KAILAS, Satish V. Microstructure and Mechanical Properties of Friction Stir Process Derived Al-TiO2 Nanocomposite. In JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE. ISSN 1059-9495, 2018, vol. 27, no. 3, pp. 1318-1326., Registrované v: WOS
20. [1.1] MAJI, Pabitra - GHOSH, Subrata Kumar - NATH, Rahul Kanti - KARMAKAR, Ranit. Microstructural, mechanical and wear characteristics of

aluminum matrix composites fabricated by friction stir processing. In JOURNAL OF THE BRAZILIAN SOCIETY OF MECHANICAL SCIENCES AND ENGINEERING. ISSN 1678-5878, 2020, vol. 42, no. 4, 191., Registrované v: WOS

21. [1.1] MORADI, Mohammad Mahdi - AVAL, Hamed Jamshidi - JAMAATI, Roohollah - AMIRKHANLOU, Sajjad - JI, Shouxun. Effect of SiC nanoparticles on the microstructure and texture of friction stir welded AA2024/AA6061. In MATERIALS CHARACTERIZATION. ISSN 1044-5803, 2019, vol. 152, pp. 169-179., Registrované v: WOS
22. [1.1] NAKHAEI, M. R. - NADERI, G. - MOSTAFAPOUR, A. Effect of processing parameters on morphology and tensile properties of PP/EPDM/organoclay nanocomposites fabricated by friction stir processing. In IRANIAN POLYMER JOURNAL. ISSN 1026-1265, 2016, vol. 25, no. 2, pp. 179-191., Registrované v: WOS
23. [1.1] NARIMANI, Mohammad - LOTFI, Behnam - SADEGHIAN, Zohreh. Investigating the microstructure and mechanical properties of Al-TiB₂ composite fabricated by Friction Stir Processing (FSP). In MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING. ISSN 0921-5093, 2016, vol. 673, no., pp. 436-442., Registrované v: WOS
24. [1.1] SHARIFITABAR, M. - KASHEFI, M. - KHORSHAHIAN, S. Effect of friction stir processing pass sequence on properties of Mg-ZrSiO₄-Al₂O₃ surface hybrid micro/nano-composites. In MATERIALS & DESIGN. ISSN 0264-1275, 2016, vol. 108, no., pp. 1-7., Registrované v: WOS
25. [1.1] SINGLA, Shivali - KANG, Amardeep Singh - SIDHU, T. S. Characterization and electrochemical corrosion behaviour of FSPed WE43/nano-SiC surface composite. In MATERIALS TODAY-PROCEEDINGS. ISSN 2214-7853, 2020, vol. 26, pp. 3138-3144., Registrované v: WOS
26. [1.1] SINGLA, Shivali - KANG, Amardeep Singh - SIDHU, T. S. Development and characterization of WE43/nano-TiC surface composite by friction stir processing technique. In MEASUREMENT & CONTROL. ISSN 0020-2940, 2020, vol. 53, no. 3-4, pp. 730-741., Registrované v: WOS
27. [1.1] VAHEDI, F. - ZAREI-HANZAKI, A. - SALANDARI-RABORI, A. - RAZAGHIAN, A. - ABEDI, H. R. - MINARIK, P. Texture evolution and wear properties of a frictionally stir processed magnesium matrix composite reinforced by micro graphite and nano graphene particles. In MATERIALS RESEARCH EXPRESS. ISSN 2053-1591, 2019, vol. 6, no. 10, 1065c6., Registrované v: WOS
28. [1.1] YANG, Ming - LIU, Yue - ZHU, Hanxing - ZHANG, Fan - FAN, Tongxiang - ZHANG, Di. Influences of Interfaces on Dynamic Recrystallization and Texture Evolution During Hot Rolling of Graphene Nanoribbon/Cu Composite. In METALLURGICAL AND MATERIALS TRANSACTIONS A-PHYSICAL METALLURGY AND MATERIALS SCIENCE. ISSN 1073-5623, 2018, vol. 49A, no. 12, pp. 6401-6415., Registrované v: WOS
29. [1.1] YUVARAJ, N. - ARAVINDAN, S. - VIPIN. Wear Characteristics of Al5083 Surface Hybrid Nano-composites by Friction Stir Processing. In TRANSACTIONS OF THE INDIAN INSTITUTE OF METALS. ISSN 0972-2815, 2017, vol. 70, no. 4, pp. 1111-1129., Registrované v: WOS
30. [1.1] ZHANG, W. W. - HU, Y. - WANG, Z. - YANG, C. - ZHANG,

- G. Q. - PRASHANTH, K. G. - SURYANARAYANA, C. A novel high-strength Al-based nanocomposite reinforced with Ti-based metallic glass nanoparticles produced by powder metallurgy. In MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING. ISSN 0921-5093, 2018, vol. 734, no., pp. 34-41., Registrované v: WOS
31. [1.1] ZHANG, Yang - CHEN, Xiaoyang - QIN, Xiyun - LI, Feilong - LU, Yalin - LI, Xiaoping. The Effect of Processing Pass on the Microstructure and Mechanical Properties of a Friction Stir Processed As-Cast Mg-6 wt % Sn Alloy. In METALS. ISSN 2075-4701, 2018, vol. 8, no. 11, pp., Registrované v: WOS
32. [1.2] BAURI, Ranjit - YADAV, Devinder. Metal matrix composites by friction stir processing. In Metal Matrix Composites by Friction Stir Processing, 2017-08-12, pp. 1-119., Registrované v: SCOPUS
33. [1.2] SINGLA, Shivali - KANG, Amardeep Singh - SIDHU, T. S. Characterization and electrochemical corrosion behaviour of FSPed WE43/nano-SiC surface composite. In Materials Today: Proceedings, 2019-01-01, 26, pp. 3138-3144., Registrované v: SCOPUS
34. [1.2] YUVARAJ, Narayana - ARAVINDAN, Sivanandam - VIPIN. Fabrication of Al5083/Bi₂Se₃/In₂O₃ surface composite by friction stir processing and its tribological characterization. In Journal of Materials Research and Technology. ISSN 22387854, 2015-01-01, 4, 4, pp. 398-410., Registrované v: SCOPUS

ADCA606 KHODABAKHSHI, F.** - GERLICH, A.P. - ŠVEC, Peter. Reactive friction-stir processing of an Al-Mg alloy with introducing multi-walled carbon nano-tubes (MW-CNTs): Microstructural characteristics and mechanical properties. In *Materials Characterization*, 2017, vol. 131, p. 359-373. (2016: 2.714 - IF, Q1 - JCR, 1.222 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 1044-5803. Dostupné na: <https://doi.org/10.1016/j.matchar.2017.07.027>

Ohlasy:

1. [1.1] ABORKIN, A. V. - SAIKOV, I. V. - BERBENTSEV, V. D. - OBEDKOV, A. M. - SYTSHEV, A. E. - ALYMOV, M. I. The Use of Gas Extrusion for the Synthesis of a High-Strength Composite Based on a 5xxx Series Aluminum Alloy Strengthened with Carbon Nanostructures. In TECHNICAL PHYSICS LETTERS. ISSN 1063-7850, 2020, vol. 46, no. 3, pp. 207-210., Registrované v: WOS
2. [1.1] HUANG, Guoqiang - HOU, Wentao - LI, Junping - SHEN, Yifu. Development of surface composite based on Al-Cu system by friction stir processing: Evaluation of microstructure, formation mechanism and wear behavior. In SURFACE & COATINGS TECHNOLOGY. ISSN 0257-8972, 2018, vol. 344, pp. 30-42., Registrované v: WOS
3. [1.1] HUANG, Yongxian - LI, Junchen - WAN, Long - MENG, Xiangchen - XIE, Yuming. Strengthening and toughening mechanisms of CNTs/Mg-6Zn composites via friction stir processing. In MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING. ISSN 0921-5093, 2018, vol. 732, pp. 205-211., Registrované v: WOS
4. [1.1] JAIN, Vikram Kumar S. - YAZAR, K. U. - MUTHUKUMARAN, S. Development and characterization of

- Al5083-CNTs/SiC composites via friction stir processing. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2019, vol. 798, pp. 82-92., Registrované v: WOS
5. [1.1] MUZAMIL, Muhammad - WU, Jianjun - AKHTAR, Maaz - ZHANG, Zengkun - MAJEED, Arfan - YANG, Junzhou. Modified TIG Welding Joint Process: An Approach to Improve Microstructure and Fracto-Mechanical Behavior by MWCNTs Inducement in Al-Mg-Si Alloy. In MATERIALS. ISSN 1996-1944, 2019, vol. 12, no. 9, 1441., Registrované v: WOS
 6. [1.1] PRABHU, Sivanesh M. - PERUMAL, Elaya A. - ARULVEL, S. Development of multi-pass processed AA6082/SiCp surface composite using friction stir processing and its mechanical and tribology characterization. In SURFACE & COATINGS TECHNOLOGY. ISSN 0257-8972, 2020, vol. 394, 125900., Registrované v: WOS
 7. [1.1] SHARMA, Abhishek - FUJII, Hidetoshi - PAUL, Jinu. Influence of reinforcement incorporation approach on mechanical and tribological properties of AA6061-CNT nanocomposite fabricated via FSP. In JOURNAL OF MANUFACTURING PROCESSES. ISSN 1526-6125, 2020, vol. 59, pp. 604-620., Registrované v: WOS
 8. [1.1] SHARMA, Abhishek - NARSIMHACHARY, Damanapeta - SHARMA, Vyas Mani - SAHOO, Baidehish - PAUL, Jinu. Surface modification of Al6061-SiC surface composite through impregnation of graphene, graphite & carbon nanotubes via FSP: A tribological study. In SURFACE & COATINGS TECHNOLOGY. ISSN 0257-8972, 2019, vol. 368, pp. 175-191., Registrované v: WOS
 9. [1.1] SHARMA, Sanjay - HANDA, Amit - SINGH, Sahib Sartaj - VERMA, Deepak. Synthesis of a novel hybrid nanocomposite of AZ31Mg-Graphene-MWCNT by multi-pass friction stir processing and evaluation of mechanical properties. In MATERIALS RESEARCH EXPRESS. ISSN 2053-1591, 2019, vol. 6, no. 12, 126531., Registrované v: WOS
 10. [1.1] SPADA, Vedrana - STANIC, Davor - BRNARDIC, Ivan. INVESTIGATION OF THE MECHANICAL PROPERTIES OF AlSi9Cu3(Fe)/MWCNT NANOCOMPOSITES PREPARED BY HPDC. In MATERIALI IN TEHNOLOGIJE. ISSN 1580-2949, 2019, vol. 53, no. 4, pp. 601-606., Registrované v: WOS
 11. [1.1] TEKIYEH, Ramin Mehdizad - NAJAFI, Mohsen - SHAHRAKI, Saeid. Machinability of AA7075-T6/carbon nanotube surface composite fabricated by friction stir processing. In PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART E-JOURNAL OF PROCESS MECHANICAL ENGINEERING. ISSN 0954-4089, 2019, vol. 233, no. 4, pp. 839-848., Registrované v: WOS
 12. [1.1] TURAN, Muhammet Emre. Investigation of mechanical properties of carbonaceous (MWCNT, GNPs and C60) reinforced hot-extruded aluminum matrix composites. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2019, vol. 788, pp. 352-360., Registrované v: WOS
 13. [1.1] YANG, Ming - LIU, Yue - ZHU, Hanxing - ZHANG, Fan - FAN, Tongxiang - ZHANG, Di. Influences of Interfaces on Dynamic Recrystallization and Texture Evolution During Hot Rolling of Graphene Nanoribbon/Cu Composite. In METALLURGICAL AND MATERIALS TRANSACTIONS A-PHYSICAL METALLURGY AND MATERIALS SCIENCE. ISSN 1073-5623, 2018, vol. 49A, no. 12, pp. 6401-6415.,

Registrované v: WOS

14. [1.1] YAQOOB, Basit - PASHA, Riffat Asim - AWANG, Mokhtar - NASIR, Muhammad Ali - HUSSAIN, Azhar - NAZIR, Kamran. Comparison of Mixing Strategies and Hybrid Ratio Optimization for Mechanical Properties Enhancement of Al-CeO₂-GNP's Metal Matrix Composite Fabricated by Friction Stir Processing. In METALLOGRAPHY MICROSTRUCTURE AND ANALYSIS. ISSN 2192-9262, 2019, vol. 8, no. 4, pp. 534-544., Registrované v: WOS

15. [1.1] ZHANG, Baicheng - BI, Guijun - CHEW, Youxiang - WANG, Pei - MA, Guangyi - LIU, Yongfeng - MOON, Seung Ki. Comparison of carbon-based reinforcement on laser aided additive manufacturing Inconel 625 composites. In APPLIED SURFACE SCIENCE. ISSN 0169-4332, 2019, vol. 490, pp. 522-534., Registrované v: WOS

16. [1.1] ZHANG, Z. Y. - GUO, Y. H. - ZHAO, Y. T. - CHEN, G. - WU, J. L. - LIU, M. P. Effect of reinforcement spatial distribution on mechanical properties of MgO/ZK60 nanocomposites by powder metallurgy. In MATERIALS CHARACTERIZATION. ISSN 1044-5803, 2019, vol. 150, pp. 229-235., Registrované v: WOS

ADCA607 KHORASANI, F.* - EMAMY, M.* - MALEKAN, M.* - MIRZADEH, H.* - POURBAHARI, B.* - KRAJŇÁK, Tomáš* - MINARIK, P.*. Enhancement of the microstructure and elevated temperature mechanical properties of as-cast Mg-Al₂Ca-Mg₂Ca in-situ composite by hot extrusion. In *Materials Characterization*, 2019, vol. 147, p. 155-164. (2018: 3.220 - IF, Q1 - JCR, 1.295 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 1044-5803. Dostupné na: <https://doi.org/10.1016/j.matchar.2018.10.018>

Ohlasy:

1. [1.1] SONG, Jiangfeng - SHE, Jia - CHEN, Daolun - PAN, Fusheng. Latest research advances on magnesium and magnesium alloys worldwide. In JOURNAL OF MAGNESIUM AND ALLOYS. ISSN 2213-9567, 2020, vol. 8, no. 1, pp. 1-41., Registrované v: WOS

2. [1.1] WANG, Ce - MA, Aibin - SUN, Jiapeng - ZHUO, Xiaoru - HUANG, He - LIU, Huan - YANG, Zhenquan - JIANG, Jinghua. Improving Strength and Ductility of a Mg-3.7Al-1.8Ca-0.4Mn Alloy with Refined and Dispersed Al₂Ca Particles by Industrial-Scale ECAP Processing. In METALS, 2019, vol. 9, no. 7, 767., Registrované v: WOS

3. [1.1] WANG, Cong - LIU, Yunteng - LIN, Tao - LUO, Tianjiao - ZHAO, Yuhong - HOU, Hua - YANG, Yuansheng. Hot compression deformation behavior of Mg-5Zn-3.5Sn-1Mn-0.5Ca-0.5Cu alloy. In MATERIALS CHARACTERIZATION. ISSN 1044-5803, 2019, vol. 157, 109896., Registrované v: WOS

4. [1.1] YANG, Zhao - XU, Hongyu - WANG, Ye - HU, Maoliang - JI, Zesheng. Investigation of the Microstructure and Mechanical Properties of AZ31/Graphene Composite Fabricated by Semi-solid Isothermal Treatment and Hot Extrusion. In JOM. ISSN 1047-4838, 2019, vol. 71, no. 11, pp. 4162-4170., Registrované v: WOS

ADCA608 KHOSHGHADAM-PIREYOUSSEFAN, Mohammad - RAHMANIFARD, Roohollah** - OROVČÍK, Ľubomír - ŠVEC, Peter - KLEMM, Volker. Application of a novel method for fabrication of graphene reinforced aluminum matrix

nanocomposites: Synthesis, microstructure, and mechanical properties. In *Materials Science and Engineering A - Structural Materials Properties Microstructure and Processing*, 2020, vol. 772, no. 13, 138820. (2019: 4.652 - IF, Q1 - JCR, 1.700 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 0921-5093. Dostupné na: <https://doi.org/10.1016/j.msea.2019.138820>

Ohlasy:

1. [1.1] ESHKALAK, Kasra Einalipour - SADEGHZADEH, Sadegh - MOLAEI, Fatemeh. Aluminum nanocomposites reinforced with monolayer polyaniline (C3N): assessing the mechanical and ballistic properties. In *RSC ADVANCES*, 2020, vol. 10, no. 33, pp. 19134-19148., Registrované v: WOS
2. [1.1] FATTAHI, Mehdi - MOHAMMADZADEH, Ahad - PAZHOUEHANFAR, Yaghoob - SHADDEL, Shahrzad - ASL, Mehdi Shahedi - NAMINI, Abbas Sabahi. Influence of SPS temperature on the properties of TiC-SiCw composites. In *CERAMICS INTERNATIONAL*. ISSN 0272-8842, 2020, vol. 46, no. 8, pp. 11735-11742., Registrované v: WOS
3. [1.1] SRIVASTAVA, Ashish Kumar - SHARMA, Brijesh - SAJU, Bismin R. - SHUKLA, Arpit - SAXENA, Ambuj - MAURYA, Nagendra Kumar. Effect of Graphene nanoparticles on microstructural and mechanical properties of aluminum based nanocomposites fabricated by stir casting. In *WORLD JOURNAL OF ENGINEERING*. ISSN 1708-5284, 2020, vol. 17, no. 6, pp. 859-866., Registrované v: WOS

ADCA609 KIEFEROVÁ, Mária - NAGAJ, Daniel. Quantum walks on necklaces and mixing. In *International Journal of Quantum Information*, 2012, vol. 10, no. 2, 1250025. (2011: 0.670 - IF, Q3 - JCR, 0.374 - SJR, Q3 - SJR, Current Contents - CCC). (2012 - Current Contents). ISSN 0219-7499. Dostupné na: <https://doi.org/10.1142/S0219749912500256>

Ohlasy:

1. [1.1] CHAKRABORTY, Shantanav - LUH, Kyle - ROLAND, Jeremie. Analog quantum algorithms for the mixing of Markov chains. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2020, vol. 102, no. 2, 022423., Registrované v: WOS
2. [1.1] CHAKRBOARTY, Shantanav - LUH, Kyle - ROLAND, Jeremie. How Fast Do Quantum Walks Mix? In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2020, vol. 124, no. 5, 050501., Registrované v: WOS
3. [1.1] REITZNER, Daniel - HILLERY, Mark - KOCH, Daniel. Finding paths with quantum walks or quantum walking through a maze. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2017, vol. 96, no. 3, 032323., Registrované v: WOS

ADCA610 KIM, M.S. - LEE, K.S. - BUŽEK, Vladimír. Amplification of superposition states in phase-sensitive amplifiers. In *Physical Review A*, 1993, vol. 47, no. 5, p. 4302-4307. ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.47.4302>

Ohlasy:

1. [1.1] FRANSON, J. D. - BREWSTER, R. A. Effects of entanglement in an ideal optical amplifier. In *PHYSICS LETTERS A*. ISSN 0375-9601, 2018, vol. 382, no. 13, pp. 887-893., Registrované v: WOS
2. [1.1] JEONG, Hyunseok - KANG, Minsu - KWON, Hyukjoon.

Characterizations and quantifications of macroscopic quantumness and its implementations using optical fields. In OPTICS COMMUNICATIONS. ISSN 0030-4018, 2015, vol. 337, pp. 12., Registrované v: WOS

ADCA611 KIM, M.S. - SON, W. - BUŽEK, Vladimír - KNIGHT, P.L. Entanglement by a beam splitter: Nonclassicality as a prerequisite for entanglement. In *Physical Review A*, 2002, vol. 65, no. 3, 032323. ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.65.032323>

Ohlasy:

1. [1.1] ABBAS, Tasawar - RAMEEZ-UL-ISLAM - IKRAM, Manzoor. Beam Splitter-Mediated Quantum Information Processing Employing Momentum States of the Neutral Atoms. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2015, vol. 54, no. 4, pp. 1193., Registrované v: WOS

2. [1.1] AFSHAR, Davood - ANBARAKI, Azam. Nonclassical properties and entanglement of superposition of two-mode separable nonlinear coherent states. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS. ISSN 0740-3224, 2016, vol. 33, no. 4, pp. 558-565., Registrované v: WOS

3. [1.1] AFSHAR, Davood - MOTAMEDINASAB, Amin - ANBARAKI, Azam - JAFARPOUR, Mojtaba. Even and odd coherent states of supersymmetric harmonic oscillators and their nonclassical properties. In INTERNATIONAL JOURNAL OF MODERN PHYSICS B. ISSN 0217-9792, 2016, vol. 30, no. 7, 1650026., Registrované v: WOS

4. [1.1] ALBARELLI, Francesco - FERRARO, Alessandro - PATERNOSTRO, Mauro - PARIS, Matteo G. A. Nonlinearity as a resource for nonclassicality in anharmonic systems. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 93, no. 3, 032112., Registrované v: WOS

5. [1.1] ALBARELLI, Francesco - GUAITA, Tommaso - PARIS, Matteo G. A. Quantum backflow effect and nonclassicality. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION. ISSN 0219-7499, 2016, vol. 14, no. 7, 1650032., Registrované v: WOS

6. [1.1] AMELLAL, H. - MESLOUHI, A. - HASSOUNI, Y. On the deformed cat state: Generating scheme via amplitude dispersion and the analysis of nonclassical features. In INTERNATIONAL JOURNAL OF MODERN PHYSICS B. ISSN 0217-9792, 2015, vol. 29, no. 32, 0550232., Registrované v: WOS

7. [1.1] AMIR, Naila - IQBAL, Shahid. Coherent states of position-dependent mass trapped in an infinite square well. In JOURNAL OF MATHEMATICAL PHYSICS. ISSN 0022-2488, 2020, vol. 61, no. 8, 082102., Registrované v: WOS

8. [1.1] ANBARAKI, Azam - AFSHAR, Davood - JAFARPOUR, Mojtaba. Entanglement transfer from entangled nonlinear coherent states to separable qubits. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS. ISSN 0740-3224, 2017, vol. 34, no. 7, pp. 1366-1373., Registrované v: WOS

9. [1.1] ANBARAKI, Azam - AFSHAR, Davood - JAFARPOUR, Mojtaba. Non-classical properties and polarization degree of photon-added entangled nonlinear coherent states. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2018, vol. 133, no. 1, 2., Registrované v: WOS

10. [1.1] ARKHIPOV, Ievgen I. Complete identification of nonclassicality of Gaussian states via intensity moments. In PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 98, no. 2, 021803., Registrované v: WOS
11. [1.1] ARKHIPOV, Ievgen I. - PERINA, Jan. Experimental identification of non-classicality of noisy twin beams and other related two-mode states. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2018, vol. 8, 1460., Registrované v: WOS
12. [1.1] ATAMAN, Stefan. A graphical method in quantum optics. In JOURNAL OF PHYSICS COMMUNICATIONS. ISSN 2399-6528, 2018, vol. 2, no. 3, UNSP 035032., Registrované v: WOS
13. [1.1] BARRAL, David - BENCHEIKH, Kamel - D'AURIA, Virginia - TANZILLI, Sebastien - BELABAS, Nadia - LEVENSON, Juan Ariel. Minimum resources for versatile continuous-variable entanglement in integrated nonlinear waveguides. In PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 98, no. 2, 023857., Registrované v: WOS
14. [1.1] BARRAL, David - LINARES, Jesus - BALADO, Daniel. Engineering continuous and discrete variable quantum vortex states by nonlocal photon subtraction in a reconfigurable photonic chip. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS. ISSN 0740-3224, 2016, vol. 33, no. 11, pp. 2225-2235., Registrované v: WOS
15. [1.1] BASKAL, Sibel - KIM, Young S. - NOZ, Marilyn E. Entangled Harmonic Oscillators and Space-Time Entanglement. In SYMMETRY-BASEL. ISSN 2073-8994, 2016, vol. 8, no. 7, 55., Registrované v: WOS
16. [1.1] BLANCO-GARCIA, Z. Quantum Control of the States of Light in a Mach-Zehnder Interferometer. In QUANTUM FEST 2016 INTERNATIONAL CONFERENCE ON QUANTUM PHENOMENA, QUANTUM CONTROL AND QUANTUM OPTICS. ISSN 1742-6588, 2017, vol. 839., Registrované v: WOS
17. [1.1] BOHMANN, Martin - AGUDELO, Elizabeth - SPERLING, Jan. Probing nonclassicality with matrices of phase-space distributions. In QUANTUM. ISSN 2521-327X, 2020, vol. 4., Registrované v: WOS
18. [1.1] BOSE, Soumyakanti - KUMAR, M. Sanjay. Quantitative study of beam-splitter-generated entanglement from input states with multiple nonclassicality-inducing operations. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 95, no. 1, 012330., Registrované v: WOS
19. [1.1] BOSE, Soumyakanti. Wehrl-entropy-based quantification of nonclassicality for single-mode quantum optical states. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2019, vol. 52, no. 2, 025303., Registrované v: WOS
20. [1.1] BRUNELLI, Matteo - BENEDETTI, Claudia - OLIVARES, Stefano - FERRARO, Alessandro - PARIS, Matteo G. A. Single- and two-mode quantumness at a beam splitter. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 91, no. 6, 062315., Registrované v: WOS
21. [1.1] CARDENAS, P. C. - PATERNOSTRO, M. - SEMIAO, F. L. Non-Markovian qubit dynamics in a circuit-QED setup. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 91, no. 2, 022122., Registrované v: WOS
22. [1.1] CARIOLARO, Gianfranco - PIEROBON, Gianfranco. Fock expansion of multimode pure Gaussian states. In JOURNAL OF MATHEMATICAL PHYSICS. ISSN 0022-2488, 2015, vol. 56, no. 12, 122109.,

Registrované v: WOS

23. [1.1] COOPER, Merlin - SLADE, Eirion - KARPINSKI, Michal - SMITH, Brian J. Characterization of conditional state-engineering quantum processes by coherent state quantum process tomography. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2015, vol. 17, 033041., Registrované v: WOS
24. [1.1] CROAL, Callum - PEUNTINGER, Christian - CHILLE, Vanessa - MARQUARDT, Christoph - LEUCHS, Gerd - KOROLKOVA, Natalia - MISTA, Ladislav. Entangling the Whole by Beam Splitting a Part. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 115, no. 19, 190501., Registrované v: WOS
25. [1.1] DAI, Hao - LUO, Shunlong. Information-theoretic approach to atomic spin nonclassicality. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 6, 062114., Registrované v: WOS
26. [1.1] DEHDASHTI, Sh - HAROUNI, M. B. - HARSIJ, Z. - SHEN, J. - WANG, H. - XU, Z. - MIRZA, B. - CHEN, H. STABILITY OF TWO INTERACTING ENTANGLED SPINS INTERACTING WITH A THERMAL ENVIRONMENT. In QUANTUM INFORMATION & COMPUTATION. ISSN 1533-7146, 2016, vol. 16, no. 15-16, pp. 1365-1378., Registrované v: WOS
27. [1.1] DEHGHANI, A. - MOJAVERI, B. - ARYAIE, M. Nonclassical properties and polarization degree of photon-subtracted entangled nonlinear coherent states. In INTERNATIONAL JOURNAL OF MODERN PHYSICS B. ISSN 0217-9792, 2019, vol. 33, no. 21, 1950230., Registrované v: WOS
28. [1.1] DEHGHANI, A. - MOJAVERI, B. - ARYAIE, M. - ALENABI, A. A. Superposition of two-mode "Near" coherent states: non-classicality and entanglement. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2019, vol. 18, no. 5, 148., Registrované v: WOS
29. [1.1] DEHGHANI, A. - MOJAVERI, B. - JAFARZADEH BAHREBEIG, R. - VAEZ, M. Photon-added entangled Barut-Girardello coherent states: non-classicality and generation. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2020, vol. 135, no. 2., Registrované v: WOS
30. [1.1] DELL'ANNO, Fabio - BUONO, Daniela - NOCERINO, Gaetano - DE SIENA, Silvio - ILLUMINATI, Fabrizio. Non-Gaussian swapping of entangled resources. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2019, vol. 18, no. 1, 20., Registrované v: WOS
31. [1.1] DEY, Sanjib - FRING, Andreas - HUSSIN, Veronique. Nonclassicality versus entanglement in a noncommutative space. In INTERNATIONAL JOURNAL OF MODERN PHYSICS B. ISSN 0217-9792, 2017, vol. 31, no. 1, 1650248., Registrované v: WOS
32. [1.1] DEY, Sanjib - FRING, Andreas - HUSSIN, Veronique. A Squeezed Review on Coherent States and Nonclassicality for Non-Hermitian Systems with Minimal Length. In COHERENT STATES AND THEIR APPLICATIONS: A CONTEMPORARY PANORAMA. ISSN 0930-8989, 2018, vol. 205, pp. 209-242., Registrované v: WOS
33. [1.1] DEY, Sanjib - HUSSIN, Veronique. Entangled squeezed states in noncommutative spaces with minimal length uncertainty relations. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 12, 124017., Registrované v: WOS
34. [1.1] DEY, Sanjib - NAIR, Sarika S. Generalized photon-subtracted squeezed vacuum states. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2020, vol. 53, no. 38, 385305.,

Registrované v: WOS

35. [1.1] DHAR, Himadri Shekhar - CHATTERJEE, Arpita - GHOSH, Rupamanjari. Generating continuous variable entangled states for quantum teleportation using a superposition of number-conserving operations. In JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS. ISSN 0953-4075, 2015, vol. 48, no. 18, 185502., Registrované v: WOS
36. [1.1] DING, Ming-Song - ZHENG, Li - ZENG, Ye-Xiong - LI, Chong. Maximal Coherence in a Pre-Selected Basis. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2019, vol. 58, no. 5, pp. 1524-1533., Registrované v: WOS
37. [1.1] DOMINGUEZ-SERNA, Francisco A. - MENDIETA-JIMENEZ, Francisco J. - ROJAS, Fernando. Relationship between the field local quadrature and the quantum discord of a photon-added correlated channel under the influence of scattering and phase fluctuation noise. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2017, vol. 16, no. 10, UNSP 255., Registrované v: WOS
38. [1.1] EATON, Miller - NEHRA, Rajveer - PFISTER, Olivier. Non-Gaussian and Gottesman-Kitaev-Preskill state preparation by photon catalysis. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2019, vol. 21, no. 11, 113034., Registrované v: WOS
39. [1.1] ENGELKEMEIER, M. - LORZ, L. - DE, Syamsundar - BRECHT, B. - DHAND, I - PLENIO, M. B. - SILBERHORN, C. - SPERLING, J. Quantum photonics with active feedback loops. In PHYSICAL REVIEW A. ISSN 2469-9926, 2020, vol. 102, no. 2, 023712., Registrované v: WOS
40. [1.1] FARROW, T. - TAYLOR, R. A. - VEDRAL, V. Towards witnessing quantum effects in complex molecules. In FARADAY DISCUSSIONS. ISSN 1359-6640, 2015, vol. 184, pp. 183., Registrované v: WOS
41. [1.1] FERNANDEZ C, David J. - HUSSIN, Veronique - SAID MORALES-SALGADO, Vicente. Coherent states for the supersymmetric partners of the truncated oscillator. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2019, vol. 134, no. 1, 18., Registrované v: WOS
42. [1.1] FU, Shuangshuang - HUAN, Cheng - LUO, Shunlong. Dynamics of nonclassicality in photon-loss channel. In PHYSICA SCRIPTA. ISSN 0031-8949, 2020, vol. 95, no. 7, 075108., Registrované v: WOS
43. [1.1] FU, Shuangshuang - LUO, Shunlong - ZHANG, Yue. Converting nonclassicality to quantum correlations via beamsplitters. In EPL. ISSN 0295-5075, 2019, vol. 128, no. 3., Registrované v: WOS
44. [1.1] FU, Shuangshuang - LUO, Shunlong - ZHANG, Yue. From squeezing to Gaussian entanglement via beamsplitters. In JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS. ISSN 0953-4075, 2020, vol. 53, no. 8, 085501., Registrované v: WOS
45. [1.1] FU, Shuang-Shuang - LUO, Shun-Long. Quantifying Process Nonclassicality in Bosonic Fields. In CHINESE PHYSICS LETTERS. ISSN 0256-307X, 2019, vol. 36, no. 10, 104203., Registrované v: WOS
46. [1.1] GAO, De-Ying - GAO, Qiang - XIA, Yun-Jie. Quantum coherence preservation of atom with a classical driving field under non-Markovian environment. In CHINESE PHYSICS B. ISSN 1674-1056, 2017, vol. 26, no. 11., Registrované v: WOS

47. [1.1] GARAI, Sagnik - IVAN, J. Solomon. Gaussian channels that are eventually entanglement breaking yet asymptotically nonclassicality saving. In PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 98, no. 5, 052353., Registrované v: WOS
48. [1.1] GARAI, Sagnik - IVAN, J. Solomon. Robustness of distributed nonclassicality against local Gaussian noise. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 1, 013842., Registrované v: WOS
49. [1.1] GARCIA-PATRON, Raul - RENEMA, Jelmer J. - SHCHESNOVICH, Valery. Simulating boson sampling in lossy architectures. In QUANTUM. ISSN 2521-327X, 2019, vol. 3., Registrované v: WOS
50. [1.1] GE, Wenchao - JACOBS, Kurt - ELDREDGE, Zachary - GORSHKOV, Alexey - FOSS-FEIG, Michael. Distributed Quantum Metrology with Linear Networks and Separable Inputs. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2018, vol. 121, no. 4, 043604., Registrované v: WOS
51. [1.1] GE, Wenchao - JACOBS, Kurt - ASIRI, Saeed - FOSS-FEIG, Michael - ZUBAIRY, M. Suhail. Operational resource theory of nonclassicality via quantum metrology. In PHYSICAL REVIEW RESEARCH, 2020, vol. 2, no. 2, 023400., Registrované v: WOS
52. [1.1] GE, Wenchao - TASGIN, Mehmet Emre - ZUBAIRY, M. Suhail. Conservation relation of nonclassicality and entanglement for Gaussian states in a beam splitter. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 92, no. 5, 052328., Registrované v: WOS
53. [1.1] GHASEMI, M. - TAVASSOLY, M. K. Toward a quantum repeater protocol based on the coherent state approach. In LASER PHYSICS. ISSN 1054-660X, 2019, vol. 29, no. 8, 085202., Registrované v: WOS
54. [1.1] GOLDBERG, Aaron Z. - JAMES, Daniel F. Nonclassical mixed states that generate zero entanglement with a beam splitter. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2018, vol. 51, no. 38, 385303., Registrované v: WOS
55. [1.1] HAPP, L. - EFREMOV, M. A. - NHA, H. - SCHLEICH, W. P. Sufficient condition for a quantum state to be genuinely quantum non-Gaussian. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2018, vol. 20, 023046., Registrované v: WOS
56. [1.1] HERTZ, Anaëlle - CERF, Nicolas J. - DE BIEVRE, Stephan. Relating the entanglement and optical nonclassicality of multimode states of a bosonic quantum field. In PHYSICAL REVIEW A. ISSN 2469-9926, 2020, vol. 102, no. 3, 032413., Registrované v: WOS
57. [1.1] HERTZ, Anaëlle - DEY, Sanjib - HUSSIN, Veronique - ELEUCH, Hichem. Higher Order Nonclassicality from Nonlinear Coherent States for Models with Quadratic Spectrum. In SYMMETRY-BASEL. ISSN 2073-8994, 2016, vol. 8, no. 5, 36., Registrované v: WOS
58. [1.1] HE, Bing - YAN, Shu-Bin - WANG, Jing - XIAO, Min. Quantum noise effects with Kerr-nonlinearity enhancement in coupled gain-loss waveguides. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 91, no. 5, 053832., Registrované v: WOS
59. [1.1] HOFFMANN, Scott E. - HUSSIN, Veronique - MARQUETTE, Ian - ZHANG, Yao-Zhong. Coherent states for ladder operators of general order related to exceptional orthogonal polynomials. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2018, vol. 51, no. 31, 315203., Registrované v: WOS

60. [1.1] HONARASA, Gholamreza - BAGHERI, Alireza - GHARAATI, Abdolrasoul. ENTANGLEMENT OF PHOTON-ADDED NONLINEAR COHERENT STATES VIA A BEAM SPLITTER. In REPORTS ON MATHEMATICAL PHYSICS. ISSN 0034-4877, 2016, vol. 78, no. 2, pp. 245-252., Registrované v: WOS
61. [1.1] CHATTERJEE, Arpita. Entanglement Potential Versus Negativity of Wigner Function for SUP-Operated Quantum States. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2018, vol. 57, no. 2, pp. 339-352., Registrované v: WOS
62. [1.1] CHEN, Y. F. - TUNG, J. C. - TUAN, P. H. - et al. Symmetry Breaking Induced Geometric Surfaces with Topological Curves in Quantum and Classical Dynamics of the SU(2) Coupled Oscillators. In ANNALEN DER PHYSIK. ISSN 0003-3804, 2017, vol. 529, no. 10, 1600253., Registrované v: WOS
63. [1.1] CHILLE, Vanessa - QUINN, Niall - PEUNTINGER, Christian - CROAL, Callum - MISTA, Ladislav - MARQUARDT, Christoph - LEUCHS, Gerd - KOROLKOVA, Natalia. Quantum nature of Gaussian discord: Experimental evidence and role of system-environment correlations. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 91, no. 5, 050301., Registrované v: WOS
64. [1.1] CHIN, Seungbeom - HUH, Joonsuk. Majorization and the time complexity of linear optical networks. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2019, vol. 52, no. 24, 245301., Registrované v: WOS
65. [1.1] CHOI, Yujun - HONG, Kang-Hee - LIM, Hyang-Tag - et al. Generation of a non-zero discord bipartite state with classical second-order interference. In OPTICS EXPRESS. ISSN 1094-4087, 2017, vol. 25, no. 3, pp. 2540-2551., Registrované v: WOS
66. [1.1] IVANOV, Peter A. Quantum thermometry with trapped ions. In OPTICS COMMUNICATIONS. ISSN 0030-4018, 2019, vol. 436, pp. 101-107., Registrované v: WOS
67. [1.1] JAFARIZAEH, Mohammad Ali - NOSRATY, Farzam - SAHRAI, Mostafa. Quantification of bipartite and multipartite entangled states in Mach-Zehnder interferometer. In OPTICS COMMUNICATIONS. ISSN 0030-4018, 2015, vol. 338, no., pp. 380., Registrované v: WOS
68. [1.1] JEONG, Kabgyun - KIM, Jaewan - LEE, Su-Yong. Gaussian private quantum channel with squeezed coherent states. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2015, vol. 5, 13974., Registrované v: WOS
69. [1.1] KILLORAN, N. - STEINHOFF, F. E. S. - PLENIO, M. B. Converting Nonclassicality into Entanglement. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2016, vol. 116, no. 8, 080402., Registrované v: WOS
70. [1.1] KUMAR, Pankaj - KUMAR, Rakesh - PRAKASH, Hari. Simultaneous higher-order Hong-Mandel's squeezing and higher-order sub-Poissonian photon statistics in superposed coherent states. In OPTIK. ISSN 0030-4026, 2016, vol. 127, no. 11, pp. 4826-4830., Registrované v: WOS
71. [1.1] KWON, Hyukjoon - TAN, Kok Chuan - VOLKOFF, Tyler - JEONG, Hyunseok. Nonclassicality as a Quantifiable Resource for Quantum Metrology. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 122, no. 4, 040503., Registrované v: WOS

72. [1.1] LEE, Seung-Woo - KIM, Jaewan - SON, Wonmin. Noise-adaptive test of quantum correlations with quasiprobability functions. In PHYSICAL REVIEW A. ISSN 2469-9926, 2020, vol. 102, no. 1, 012408., Registrované v: WOS
73. [1.1] LIU, Jia-Li - SHI, Rong-Hua - SHI, Jin-Jing - LV, Ge-Li - GUO, Ying. Quantum dual signature scheme based on coherent states with entanglement swapping. In CHINESE PHYSICS B. ISSN 1674-1056, 2016, vol. 25, no. 8, 080306., Registrované v: WOS
74. [1.1] LIU, Ruifeng - FANG, Aiping - ZHOU, Yu - ZHANG, Pei - GAO, Shaoyan - LI, Hongrong - GAO, Hong - LI, Fuli. Enhanced visibility of ghost imaging and interference using squeezed thermal light. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 93, no. 1, 013822., Registrované v: WOS
75. [1.1] LIU, Zhiyong - GONG, Kui-Hua. Generating Entangled State of Photons with Beam Splitter. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2018, vol. 57, no. 5, pp. 1384-1390., Registrované v: WOS
76. [1.1] LI, Zong-Guo - LIU, Zhan-Dong - ZHANG, Rui-Xue - LI, Hong-Guo. Nonclassicality of Dirac-Pauli quantum states. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2019, vol. 18, no. 9, 291., Registrované v: WOS
77. [1.1] LUONG, David - RAJAN, Sreeraman - BALAJI, Bhashyam. Entanglement-Based Quantum Radar: From Myth to Reality. In IEEE AEROSPACE AND ELECTRONIC SYSTEMS MAGAZINE. ISSN 0885-8985, 2020, vol. 35, no. 4, pp. 22-35., Registrované v: WOS
78. [1.1] LUO, Shunlong - ZHANG, Yue. Quantifying nonclassicality via Wigner-Yanase skew information. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 3, 032116., Registrované v: WOS
79. [1.1] MAREK, Petr - LACHMAN, Lukas - SLODICKA, Lukas - FILIP, Radim. Deterministic nonclassicality for quantum-mechanical oscillators in thermal states. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 94, no. 1, 013850., Registrované v: WOS
80. [1.1] MA, Zhi-Hao - CUI, Jian - CAO, Zhu - FEI, Shao-Ming - VEDRAL, Vlatko - BYRNES, Tim - RADHAKRISHNAN, Chandrashekar. Operational advantage of basis-independent quantum coherence. In EPL. ISSN 0295-5075, 2019, vol. 125, no. 5, 50005., Registrované v: WOS
81. [1.1] MEHER, Nilakantha - SIVAKUMAR, S. - PANIGRAHI, Prasanta K. Duality and quantum state engineering in cavity arrays. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2017, vol. 7, 9251., Registrované v: WOS
82. [1.1] MEHER, Nilakantha - SIVAKUMAR, S. Number state filtered coherent states. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2018, vol. 17, no. 9, UNSP 233., Registrované v: WOS
83. [1.1] MEYER-SCOTT, Evan - TIEDAU, Johannes - HARDER, Georg - SHALM, Lynden K. - BARTLEY, Tim J. Discorrelated quantum states. In Scientific Reports. ISSN 2045-2322, 2017, vol. 7, 41622., Registrované v: WOS
84. [1.1] MISHRA, Karunesh Kumar - SHUKLA, Gaurav - YADAV, Dhiraj - MISHRA, Devendra Kumar. Generation of sum- and difference-squeezing by the beam splitter having third-order nonlinear material.

- In OPTICAL AND QUANTUM ELECTRONICS. ISSN 0306-8919, 2020, vol. 52, no. 3, 186., Registrované v: WOS
85. [1.1] MOJAVERI, B. - DEHGHANI, A. - BAHRBEIG, R. Jafarzadeh. Nonlinear coherent states of the para-Bose oscillator and their non-classical features. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2018, vol. 133, no. 12, 529., Registrované v: WOS
86. [1.1] MOJAVERI, B. - DEHGHANI, A. - BAHRBEIG, R. Jafarzadeh. Superposition of single-mode para-Bose coherent states: Generation and nonclassical properties. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2018, vol. 33, no. 22, 1850134., Registrované v: WOS
87. [1.1] MONIR, Hadiyah Bint - AMIR, Naila - IQBAL, Shahid. Photon-Added SU(1,1) Coherent States and their Non-Classical Properties. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2019, vol. 58, no. 6, pp. 1776-1790., Registrované v: WOS
88. [1.1] MONIR, Hadiyah Bint - IQBAL, Shahid. Construction and Properties of Photon-Added su(1) Algebraic Squeezed States(dagger). In JOURNAL OF RUSSIAN LASER RESEARCH. ISSN 1071-2836, 2020, vol. 41, no. 1, pp. 1-10., Registrované v: WOS
89. [1.1] MORRIS, Benjamin - YADIN, Benjamin - FADEL, Matteo - ZIBOLD, Tilman - TREUTLEIN, Philipp - ADESSO, Gerardo. Entanglement between Identical Particles Is a Useful and Consistent Resource. In PHYSICAL REVIEW X. ISSN 2160-3308, 2020, vol. 10, no. 4, 041012., Registrované v: WOS
90. [1.1] NAHVIFARD, E. Analyzing dissipation effects on the non-classicality witnessing by a qubit via the entangled state representation. In JOURNAL OF MODERN OPTICS. ISSN 0950-0340, 2020, vol. 67, no. 6, pp. 475-480., Registrované v: WOS
91. [1.1] NAJARBASHI, G. - MIRZAEI, S. Comparison of qubit and qutrit like entangled squeezed and coherent states of light. In OPTICS COMMUNICATIONS. ISSN 0030-4018, 2016, vol. 377, no., pp. 33-40., Registrované v: WOS
92. [1.1] NA, Dong-Yeop - CHEW, Weng Cho. Classical and Quantum Electromagnetic Interferences: What Is the Difference? In PROGRESS IN ELECTROMAGNETICS RESEARCH-PIER. ISSN 1070-4698, 2020, vol. 168, pp. 1-13., Registrované v: WOS
93. [1.1] OPANCHUK, B. - ROSALES-ZARATE, L. - TEH, R. Y. - DALTON, B. J. - SIDOROV, A. - DRUMMOND, P. D. - REID, M. D. Mesoscopic two-mode entangled and steerable states of 40 000 atoms in a Bose-Einstein-condensate interferometer. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 6, 060102., Registrované v: WOS
94. [1.1] OTHMAN, Anas. The Superposition of Two Identical States: The Empty State. In 2016 PHOTONICS NORTH (PN), 2016 ., Registrované v: WOS
95. [1.1] PARK, Jiyong - LEE, Jaehak - NHA, Hyunchul. Entropic nonclassicality and quantum non-Gaussianity tests via beam splitting. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2019, vol. 9, 17835., Registrované v: WOS
96. [1.1] PARK, Jiyong - LU, Yao - LEE, Jaehak - et al. Revealing nonclassicality beyond Gaussian states via a single marginal distribution. In

PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA. ISSN 0027-8424, 2017, vol. 114, no. 5, pp. 891-896., Registrované v: WOS

97. [1.1] PARK, Jiyong - NHA, Hyunchul. Demonstrating nonclassicality and non-Gaussianity of single-mode fields: Bell-type tests using generalized phase-space distributions. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 92, no. 6, 062134., Registrované v: WOS

98. [1.1] PARK, Kimin - MAREK, Petr - FILIP, Radim. Conditional superpositions of Gaussian operations on different modes of light. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 91, no. 3, 033814., Registrované v: WOS

99. [1.1] PASSOS, M. H. M. - BALTHAZAR, W. F. - KHOURY, A. Z. - HOR-MEYLL, M. - DAVIDOVICH, L. - HUGUENIN, J. A. O. Experimental investigation of environment-induced entanglement using an all-optical setup. In PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 97, no. 2, 022321., Registrované v: WOS

100. [1.1] PECORARO, Adriana - BUONO, Daniela - NOCERINO, Gaetano - et al. Experimental pre-assessing of two-mode entanglement in Gaussian state mixing. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS. ISSN 0740-3224, 2017, vol. 34, no. 2, pp. 404-411., Registrované v: WOS

101. [1.1] PRAKASH, Hari - MISHRA, Devendra Kumar. Quantum analysis of a beam splitter with second-order nonlinearity and generation of nonclassical light. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS. ISSN 0740-3224, 2016, vol. 33, no. 7., Registrované v: WOS

102. [1.1] QASYMEH, Montasir - ELEUCH, Hichem. Entanglement of Microwave and Optical Fields Using Electrical Capacitor Loaded With Plasmonic Graphene Waveguide. In IEEE PHOTONICS JOURNAL. ISSN 1943-0655, 2020, vol. 12, no. 2, 7500212., Registrované v: WOS

103. [1.1] QURESHI, Haleema Sadia - ULLAH, Shakir - GHAFOR, Fazal. Hierarchy of quantum correlations using a linear beam splitter. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2018, vol. 8, 16288., Registrované v: WOS

104. [1.1] QURESHI, Haleema Sadia - ULLAH, Shakir - GHAFOR, Fazal. Continuous variable quantum teleportation via entangled Gaussian state generated by a linear beam splitter. In JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS. ISSN 0953-4075, 2020, vol. 53, no. 13, 135501., Registrované v: WOS

105. [1.1] REGULA, Bartosz - PIANI, Marco - CIANCIARUSO, Marco - BROMLEY, Thomas R. - STRELTISOV, Alexander - ADESSO, Gerardo. Converting multilevel nonclassicality into genuine multipartite entanglement. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2018, vol. 20, 033012., Registrované v: WOS

106. [1.1] RIGOVACCA, L. - FARACE, A. - DE PASQUALE, A. - GIOVANNETTI, V. Gaussian discriminating strength. In PHYSICAL REVIEW A. ISSN 2469-9926, 2015, vol. 92, no. 4, 042331., Registrované v: WOS

107. [1.1] ROHITH, M. - SUDHEESH, C. Signatures of entanglement in an optical tomogram. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS. ISSN 0740-3224, 2016, vol. 33, no. 2, pp.

126-133., Registrované v: WOS

108. [1.1] ROHITH, M. - SUDHEESH, C. - RAJEEV, R. Entanglement dynamics of quantum states generated by a Kerr medium and a beam splitter. In MODERN PHYSICS LETTERS B. ISSN 0217-9849, 2016, vol. 30, no. 2, 1550269., Registrované v: WOS

109. [1.1] ROHITH, M. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B, 2016, vol. 33, Iss. 2, pp. 126-133., Registrované v: WOS

110. [1.1] ROSALES-ZARATE, Laura - DALTON, B. J. - REID, M. D. Einstein-Podolsky-Rosen steering, depth of steering, and planar spin squeezing in two-mode Bose-Einstein condensates. In PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 98, no. 2, 022120., Registrované v: WOS

111. [1.1] ROULET, Alexandre - HUY NGUYEN LE - SCARANI, Valerio. Two photons on an atomic beam splitter: Nonlinear scattering and induced correlations. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 93, no. 3, 033838., Registrované v: WOS

112. [1.1] RYL, S. - SPERLING, J. - VOGEL, W. Quantifying nonclassicality by characteristic functions. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 95, no. 5, 053825., Registrované v: WOS

113. [1.1] SABAPATHY, Krishna Kumar. Quantum-optical channels that output only classical states. In PHYSICAL REVIEW A. ISSN 2469-9926, 2015, vol. 92, no. 5, 052301., Registrované v: WOS

114. [1.1] SABAPATHY, Krishna Kumar. Process output nonclassicality and nonclassicality depth of quantum-optical channels. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 93, no. 4, 042103., Registrované v: WOS

115. [1.1] SABAPATHY, Krishna Kumar - WINTER, Andreas. Non-Gaussian operations on bosonic modes of light: Photon-added Gaussian channels. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 95, no. 6, 062309., Registrované v: WOS

116. [1.1] SANZ, M. - LAMATA, L. - SOLANO, E. Invited Article: Quantum memristors in quantum photonics. In APL PHOTONICS. ISSN 2378-0967, 2018, vol. 3, no. 8, 080801., Registrované v: WOS

117. [1.1] SEHATI, N. - TAVASSOLY, M. K. - GHASEMI, M. Teleportation of squeezed states in the absence and presence of dissipation. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2019, vol. 134, no. 11, 552., Registrované v: WOS

118. [1.1] SHARYPOV, A. V. - HE, Bing - ARKHIPKIN, V. G. - MYSLIVETS, S. A. Quantum properties of parametric four-wave mixing in a Raman-type atomic system. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 95, no. 5, 053812., Registrované v: WOS

119. [1.1] SINGH, Uttam - JABBOUR, Michael G. - VAN HERSTRAETEN, Zacharie - CERF, Nicolas J. Quantum thermodynamics in a multipartite setting: A resource theory of local Gaussian work extraction for multimode bosonic systems. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 4, 042104., Registrované v: WOS

120. [1.1] SOORAT, R. - NITHARSHINI, S. - KUMAR, M. Anil - SINGH, S. K. Nonclassical photon statistics and bipartite entanglement generation of excited coherent states. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2020, vol. 19, no. 9, 297., Registrované v: WOS

121. [1.1] SPERLING, Jan - PEREZ-LEIJA, Armando - BUSCH, Kurt -

- SILBERHORN, Christine. Mode-independent quantum entanglement for light. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 6, 062129., Registrované v: WOS
122. [1.1] SPERLING, J. - VOGEL, W. Quasiprobability distributions for quantum-optical coherence and beyond. In PHYSICA SCRIPTA. ISSN 0031-8949, 2020, vol. 95, no. 3, 034007., Registrované v: WOS
123. [1.1] STOBINSKA, Magdalena. Quantum interference enables constant-time information processing. In 2018 IEEE PHOTONICS SOCIETY SUMMER TOPICAL MEETING SERIES (SUM), 2018, pp. 11-12., Registrované v: WOS
124. [1.1] STOBINSKA, M. - BURACZEWSKI, A. - MOORE, M. - CLEMENTS, W. R. - RENEMA, J. J. - NAM, S. W. - GERRITS, T. - LITA, A. - KOLTHAMMER, W. S. - ECKSTEIN, A. - WALMSLEY, I. A. Quantum interference enables constant-time quantum information processing. In SCIENCE ADVANCES. ISSN 2375-2548, 2019, vol. 5, no. 7, eaau9674., Registrované v: WOS
125. [1.1] STRELTSOV, Alexander - SINGH, Uttam - DHAR, Himadri Shekhar - BERA, Manabendra Nath - ADESSO, Gerardo. Measuring Quantum Coherence with Entanglement. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 115, no. 2, 020403., Registrované v: WOS
126. [1.1] STRELTSOV, Alexander - ADESSO, Gerardo - PLENIO, Martin B. Colloquium: Quantum coherence as a resource. In REVIEWS OF MODERN PHYSICS. ISSN 0034-6861, 2017, vol. 89, no. 4, UNSP 041003., Registrované v: WOS
127. [1.1] TANG XU-BING - GAO FANG - WANG YAO-XIONG - KUANG SEN - SHUANG FENG. Non-Gaussian quantum states generation and robust quantum non-Gaussianity via squeezing field. In CHINESE PHYSICS B. ISSN 1674-1056, 2015, vol. 24, no. 3, 034208., Registrované v: WOS
128. [1.1] TAN, Kok Chuan - VOLKOFF, Tyler - KWON, Hyukjoon - et al. Quantifying the Coherence between Coherent States. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2017, vol. 119, no. 19, 190405., Registrované v: WOS
129. [1.1] TASGIN, Mehmet Emre - GUNAY, Mehmet - ZUBAIRY, M. Suhail. Nonclassicality and entanglement for wave packets. In PHYSICAL REVIEW A. ISSN 1050-2947, 2020, vol. 101, no. 6, 062316., Registrované v: WOS
130. [1.1] TASGIN, Mehmet Emre - ZUBAIRY, M. Suhail. Quantifications for multimode entanglement. In PHYSICAL REVIEW A. ISSN 2469-9926, 2020, vol. 101, no. 1, 012324., Registrované v: WOS
131. [1.1] TASGIN, Mehmet Emre. Many-Particle Entanglement Criterion for Superradiantlike States. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2017, vol. 119, no. 3, 033601., Registrované v: WOS
132. [1.1] TASGIN, Mehmet Emre. Single-mode nonclassicality criteria via Holstein-Primakoff transformation. In JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS. ISSN 0953-4075, 2020, vol. 53, no. 24, 245501., Registrované v: WOS
133. [1.1] TASGIN, Mehmet Emre. Measuring nonclassicality of single-mode systems. In JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS. ISSN 0953-4075, 2020, vol. 53, no. 17, 175501., Registrované v: WOS

134. [1.1] THEURER, Thomas - SATYAJIT, Saipriya - PLENIO, Martin B. Quantifying Dynamical Coherence with Dynamical Entanglement. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2020, vol. 125, no. 13, 130401., Registrované v: WOS
135. [1.1] TRAPANI, Jacopo - BINA, Matteo - MANISCALCO, Sabrina - PARIS, Matteo G. A. Collapse and revival of quantum coherence for a harmonic oscillator interacting with a classical fluctuating environment. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 91, no. 2, 022113., Registrované v: WOS
136. [1.1] TRUONG MINH DUC - TRAN QUANG DAT. Enhancing nonclassical and entanglement properties of trio coherent states by photo-addition. In OPTIK. ISSN 0030-4026, 2020, vol. 210, 164479., Registrované v: WOS
137. [1.1] TSERKIS, Spyros - THOMPSON, Jayne - LUND, Austin P. - RALPH, Timothy C. - LAM, Ping Koy - GU, Mile - ASSAD, Syed M. Maximum entanglement of formation for a two-mode Gaussian state over passive operations. In PHYSICAL REVIEW A. ISSN 2469-9926, 2020, vol. 102, no. 5, 052418., Registrované v: WOS
138. [1.1] ULLAH, Shakir - QURESHI, Haleema Sadia - FOOR, Fazal G. H. A. Hierarchy of temporal quantum correlations using a correlated spontaneous emission laser. In OPTICS EXPRESS. ISSN 1094-4087, 2019, vol. 27, no. 19, pp. 26858-26873., Registrované v: WOS
139. [1.1] ULLAH, Shakir - QURESHI, Haleema Sadia - TIAZ, Gul - GHAFOR, Fazal - SAIF, Farhan. Coherence control of entanglement dynamics of two-mode Gaussian state via Raman driven quantum beat laser using Simon's criterion. In APPLIED OPTICS. ISSN 1559-128X, 2019, vol. 58, no. 1, pp. 197-204., Registrované v: WOS
140. [1.1] VALLONE, Giuseppe - CARIOLARO, Gianfranco - PIEROBON, Gianfranco. Means and covariances of photon numbers in multimode Gaussian states. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 99, no. 2, 023817., Registrované v: WOS
141. [1.1] VOLKOFF, T. J. LINEAR BOSONIC QUANTUM CHANNELS DEFINED BY SUPERPOSITIONS OF MAXIMALLY DISTINGUISHABLE GAUSSIAN ENVIRONMENTS. In QUANTUM INFORMATION & COMPUTATION. ISSN 1533-7146, 2018, vol. 18, no. 5-6, pp. 481-496., Registrované v: WOS
142. [1.1] VOLKOFF, T. J. Nonclassical properties and quantum resources of hierarchical photonic superposition states. In JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS. ISSN 1063-7761, 2015, vol. 121, no. 5, pp. 770., Registrované v: WOS
143. [1.1] WANG XIANG-LIN - WU DE-WEI - LI XIANG - ZHU HAO-NAN - CHEN KUN - FANG GUAN. An approach to selecting the optimal squeezed parameter for generating path entangled microwave signal. In ACTA PHYSICA SINICA. ISSN 1000-3290, 2017, vol. 66, no. 23, 230302., Registrované v: WOS
144. [1.1] WANG, Zhengan - SUN, Zheng-Hang - ZENG, Yu - LANG, Haifeng - HONG, Qiantan - CUI, Jian - FAN, Heng. Diagonal entropy in many-body systems: Volume effect and quantum phase transitions. In PHYSICS LETTERS A. ISSN 0375-9601, 2020, vol. 384, no. 16, 126333., Registrované v: WOS

145. [1.1] WAN, Zhensong - WANG, Zhaoyang - YANG, Xilin - SHEN, Yijie - FU, Xing. Digitally tailoring arbitrary structured light of generalized ray-wave duality. In OPTICS EXPRESS. ISSN 1094-4087, 2020, vol. 28, no. 21, pp. 31043-31056., Registrované v: WOS
146. [1.1] WEI TIANLI - WU DEWEI - LI XIANG - ZHU HAONAN - WANG XIANGLIN. Entanglement Characteristics of Squeezed Vacuum State After Beam Splitter. In LASER & OPTOELECTRONICS PROGRESS. ISSN 1006-4125, 2019, vol. 56, no. 15., Registrované v: WOS
147. [1.1] WOODWORTH, Timothy S. - CHAN, Kam Wai Clifford - HERMANN-AVIGLIANO, Carla - MARINO, Alberto M. Transmission estimation at the Cramer-Rao bound for squeezed states of light in the presence of loss and imperfect detection. In PHYSICAL REVIEW A. ISSN 2469-9926, 2020, vol. 102, no. 5, 052603., Registrované v: WOS
148. [1.1] XIANG, Shao-Hua - SONG, Ke-Hui. Quantum non-Gaussianity of single-mode Schrodinger cat states based on Kurtosis. In EUROPEAN PHYSICAL JOURNAL D. ISSN 1434-6060, 2015, vol. 69, no. 11, 260., Registrované v: WOS
149. [1.1] XU, Shi-Min - WANG, Lei - XU, Xing-lei - WANG, Ji-Suo. Studying Output States Generated by Optical Beam Splitter and 2-cascaded BS. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2020, vol. 59, no. 10, pp. 3235-3248., Registrované v: WOS
150. [1.1] YOUN, Sun-Hyun. Conditional generation scheme for entangled vacuum evacuated coherent states by mixing two coherent beams with a squeezed vacuum state. In OPTICS COMMUNICATIONS. ISSN 0030-4018, 2016, vol. 372, no., pp. 215-220., Registrované v: WOS
151. [1.1] ZELAYA, Kevin - ROSAS-ORTIZ, Oscar - BLANCO-GARCIA, et al. Completeness and Nonclassicality of Coherent States for Generalized Oscillator Algebras. In ADVANCES IN MATHEMATICAL PHYSICS. ISSN 1687-9120, 2017, 7168592., Registrované v: WOS
152. [1.1] ZHANG, Shihui - CUI, Yingmin. Frequency response of the nonclassicality and its correspondence to the classical dynamics. In REVISTA MEXICANA DE FISICA. ISSN 0035-001X, 2016, vol. 62, no. 6, pp. 549-557., Registrované v: WOS
153. [1.1] ZHANG, Yue - LUO, Shunlong. Quantum states as observables: Their variance and nonclassicality. In PHYSICAL REVIEW A. ISSN 2469-9926, 2020, vol. 102, no. 6, 062211., Registrované v: WOS
154. [1.1] ZHANG, Zhou - DAI, Yue - DONG, Yu-Li - ZHANG, Chengjie. Numerical and analytical results for geometric measure of coherence and geometric measure of entanglement. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2020, vol. 10, no. 1, 12122., Registrované v: WOS
155. [1.1] ZHOU, Ben-yuan - YANG, Guo-qing - LI, Gao-xiang. Einstein-Podolsky-Rosen steering and entanglement based on two-photon correlation for bipartite Gaussian states. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 99, no. 6, 062101., Registrované v: WOS
156. [1.1] ZHOU, Shuyu - ZHANG, Shanchao - WANG, Ying - WANG, Yuzhu. Applying a mixed light field generated from a two-level atomic ensemble to two-photon interference. In PHOTONICS RESEARCH. ISSN 2327-9125, 2020, vol. 8, no. 6, pp. 781-787., Registrované v: WOS
157. [1.1] ZHU HAO-NAN - WU DE-WEI - LI XIANG - WANG XIANG-LIN - MIAO QIANG - FANG GUAN. Path-entanglement microwave

signals detecting method based on entanglement witness. In ACTA PHYSICA SINICA. ISSN 1000-3290, 2018, vol. 67, no. 4, 040301., Registrované v: WOS

ADCA612 KIM, M.S. - BUŽEK, Vladimír. Photon statistics of superposition states in phase-sensitive reservoirs. In *Physical Review A*, 1993, vol. 47, no. 1, p. 610-619. ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.47.610>

Ohlasy:

1. [1.1] GAIDASH, A. - KOZUBOV, A. - MIROSHNICHENKO, G. Countermeasures for advanced unambiguous state discrimination attack on quantum key distribution protocol based on weak coherent states. In PHYSICA SCRIPTA. ISSN 0031-8949, 2019, vol. 94, no. 12, 125102., Registrované v: WOS
2. [1.1] HU, Yao-Hua - YANG, Hai-Feng - TAN, Yong-Gang - TAO, Ya-Ping. Estimation of the Parameters in a Two-State System Coupled to a Squeezed Bath. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2018, vol. 57, no. 4, pp. 1148-1157., Registrované v: WOS
3. [1.1] JUN, Jin Woo. Single-Photon Entanglement Purification Procedure in a Squeezed Generalized Amplitude Damping Channel. In JOURNAL OF THE KOREAN PHYSICAL SOCIETY. ISSN 0374-4884, 2015, vol. 67, no. 5, pp. L771., Registrované v: WOS
4. [1.1] JUN, Jin Woo. Squeezing Effect on Entanglement Swapping: A Quantum Trajectory Approach. In JOURNAL OF THE KOREAN PHYSICAL SOCIETY. ISSN 0374-4884, 2018, vol. 73, no. 7, pp. 1025-1028., Registrované v: WOS
5. [1.1] WU, Meng-Yan - LV, Heng-Yun - WANG, Ji-Suo - LIANG, Bao-Long - MENG, Xiang-Guo. Wigner-function Evolution and Photon-number Decay of Quantum States in a Laser Cavity with the Kerr Medium. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2020, vol. 59, no. 2, pp. 350-360., Registrované v: WOS
6. [1.1] XIANG, Shao-Hua - WEN, Wei - ZHAO, Yu-Jing - SONG, Ke-Hui. Evaluation of the non-Gaussianity of two-mode entangled states over a bosonic memory channel via cumulant theory and quadrature detection. In PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 97, no. 4, 042303., Registrované v: WOS

ADCA613 KIM, M.S. - BUŽEK, Vladimír. Schrodinger-cat states at finite temperature-influence of a finite-temperature heat bath on quantum interferences. In *Physical Review A*, 1992, vol. 46, no. 7, p. 4239-4251. ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.46.4239>

Ohlasy:

1. [1.1] AMELLAL, H. - MESLOUHI, A. - HASSOUNI, Y. On the deformed cat state: Generating scheme via amplitude dispersion and the analysis of nonclassical features. In INTERNATIONAL JOURNAL OF MODERN PHYSICS B. ISSN 0217-9792, 2015, vol. 29, no. 32, 1550232., Registrované v: WOS
2. [1.1] ASSEMAT, F. - GROSSO, D. - SIGNOLES, A. - FACON, A. - DOTSENKO, I - HAROCHE, S. - RAIMOND, J. M. - BRUNE, M. - GLEYZES, S. Quantum Rabi Oscillations in Coherent and in Mesoscopic Cat Field States. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 123, no. 14,

143605., Registrované v: WOS

3. [1.1] BRAASCH, William F. - FRIEDMAN, Oscar D. - RIMBERG, Alexander J. - BLENCOWE, Miles P. Wigner current for open quantum systems. In PHYSICAL REVIEW A. ISSN 1050-2947, 2019, vol. 100, no. 1, 012124.,

Registrované v: WOS

4. [1.1] DODONOV, V. V. - VALVERDE, C. - SOUZA, L. S. - BASEIA, B. Decoherence of odd compass states in the phase-sensitive amplifying/dissipating environment. In ANNALS OF PHYSICS. ISSN 0003-4916, 2016, vol. 371, no., pp. 296-312., Registrované v: WOS

5. [1.1] HATOMURA, Takuya. Shortcuts to adiabatic cat-state generation in bosonic Josephson junctions. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2018, vol. 20, 015010., Registrované v: WOS

6. [1.1] HOFF, Ulrich B. - KOLLATH-BONIG, Johann - NEERGAARD-NIELSEN, Jonas S. - ANDERSEN, Ulrik L. Measurement-Induced Macroscopic Superposition States in Cavity Optomechanics. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2016, vol. 117, no. 14, 143601., Registrované v: WOS

7. [1.1] JEONG, Hyunseok - KANG, Minsu - KWON, Hyukjoon. Characterizations and quantifications of macroscopic quantumness and its implementations using optical fields. In OPTICS COMMUNICATIONS. ISSN 0030-4018, 2015, vol. 337, pp. 12., Registrované v: WOS

8. [1.1] MOHAMMADBEIGI, A. - TAVASSOLY, M. K. Decoherence of quantum excitation of even/odd coherent states in thermal environment. In PRAMANA-JOURNAL OF PHYSICS. ISSN 0304-4289, 2016, vol. 86, no. 4, pp. 763-776., Registrované v: WOS

9. [1.1] RAJESH, Asam - BANDYOPADHYAY, Malay. Quantum Brownian magneto-oscillator: Role of environmental spectrum and external magnetic field in decoherence and decay processes. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 92, no. 1, 012105., Registrované v: WOS

10. [1.1] SMITH, Charles E. Comparing the Models of Steepest Entropy Ascent Quantum Thermodynamics, Master Equation and the Difference Equation for a Simple Quantum System Interacting with Reservoirs. In ENTROPY. ISSN 1099-4300, 2016, vol. 18, no. 5, 176., Registrované v: WOS

11. [1.1] TATSUTA, Mamiko - SHIMIZU, Akira. Conversion of thermal equilibrium states into superpositions of macroscopically distinct states. In PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 97, no. 1, 012124., Registrované v: WOS

12. [1.1] VIDIELLA-BARRANCO, A. Evolution of a quantum harmonic oscillator coupled to a minimal thermal environment. In PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS. ISSN 0378-4371, 2016, vol. 459, no., pp. 78-85., Registrované v: WOS

ADCA614 KITYK, Anna** - DANILOV, F.I. - PROTSENKO, V. - PAVLÍK, Viliam - BOČA, Miroslav - HALAHOVETS, Yuriy. Electropolishing of two kinds of bronze in a deep eutectic solvent (Ethaline). In *Surface & Coatings Technology*, 2020, vol. 397, p. 126060-1-126060-9. (2019: 3.784 - IF, Q1 - JCR, 0.938 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 0257-8972. Dostupné na: <https://doi.org/10.1016/j.surfcoat.2020.126060>

Ohlasy:

1. [1.1] ABDEL-FATTAH, Tarek M. - LOFTIS, J. Derek. Comparison

of Electropolishing of Aluminum in a Deep Eutectic Medium and Acidic Electrolyte. In *MOLECULES*, 2020, vol. 25, no. 23, pp. Dostupné na: <https://doi.org/10.3390/molecules25235712>., Registrované v: WOS

ADCA615 KLINOVAJA, J. - STAÑO, Peter - LOSS, D. Topological floquet phases in driven coupled Rashba nanowires. In *Physical Review Letters*, 2016, vol. 116, no. 17, 176401. (2015: 7.645 - IF, Q1 - JCR, 4.656 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.116.176401>

Ohlasy:

1. [1.1] AGARWALA, Adhip - SEN, Diptiman. Effects of local periodic driving on transport and generation of bound states. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2017, vol. 96, no. 10, 104309., Registrované v: WOS
2. [1.1] BARAN, B. - DOMANSKI, T. Quasiparticles of a periodically driven quantum dot coupled between superconducting and normal leads. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2019, vol. 100, no. 8, 085414., Registrované v: WOS
3. [1.1] BISWAS, Sourav - MISHRA, Tridev - RAO, Sumathi - KUNDU, Arijit. Chiral Luttinger liquids in graphene tuned by irradiation. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2020, vol. 102, no. 15, 155428., Registrované v: WOS
4. [1.1] BRIGGEMAN, Megan - LI, Jianan - HUANG, Mengchen - LEE, Hyungwoo - LEE, Jung-Woo - EOM, Kitae - EOM, Chang-Beom - IRVIN, Patrick - LEVY, Jeremy. Engineered spin-orbit interactions in LaAlO₃/SrTiO₃-based 1D serpentine electron waveguides. In *SCIENCE ADVANCES*. ISSN 2375-2548, 2020, vol. 6, no. 48, eaba6337., Registrované v: WOS
5. [1.1] BUDICH, Jan Carl - HU, Ying - ZOLLER, Peter. Helical Floquet Channels in 1D Lattices. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2017, vol. 118, no. 10, 105302., Registrované v: WOS
6. [1.1] CAVALIERE, F. - ZIANI, N. Traverso - DOLCINI, F. - SASSETTI, M. - ROSSI, F. Coherent charge and spin oscillations induced by local quenches in nanowires with spin-orbit coupling. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2019, vol. 100, no. 15, 155306., Registrované v: WOS
7. [1.1] DAI, C. M. - WANG, W. - YI, X. X. Quantum light and topological surface states. In *JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS*. ISSN 0953-4075, 2017, vol. 50, no. 23, 235501., Registrované v: WOS
8. [1.1] DOLCINI, Fabrizio - ROSSI, Fausto. Magnetic field effects on a nanowire with inhomogeneous Rashba spin-orbit coupling: Spin properties at equilibrium. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2018, vol. 98, no. 4, 045436., Registrované v: WOS
9. [1.1] ESIN, Iliya - RUDNER, Mark S. - REFAEL, Gil - LINDNER, Netanel H. Quantized transport and steady states of Floquet topological insulators. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2018, vol. 97, no. 24, 245401., Registrované v: WOS
10. [1.1] FOA TORRES, Luis E. F. Perspective on topological states of non-Hermitian lattices. In *JOURNAL OF PHYSICS-MATERIALS*, 2020, vol. 3, no. 1, 014002., Registrované v: WOS
11. [1.1] GHORASHI, Sayed Ali Akbar - HOSUR, Pavan - TING,

- Chin-Sen. Irradiated three-dimensional Luttinger semimetal: A factory for engineering Weyl semimetals. In PHYSICAL REVIEW B. ISSN 2469-9950, 2018, vol. 97, no. 20, 205402., Registrované v: WOS
12. [1.1] GHOSH, Roopayan - MUKHERJEE, Bhaskar - SENGUPTA, K. Floquet perturbation theory for periodically driven weakly interacting fermions. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 102, no. 23, 235114., Registrované v: WOS
13. [1.1] GRAF, Gian Michele - TAUBER, Clement. Bulk-Edge Correspondence for Two-Dimensional Floquet Topological Insulators. In ANNALES HENRI POINCARÉ. ISSN 1424-0637, 2018, vol. 19, no. 3, pp. 709-741., Registrované v: WOS
14. [1.1] GULDEN, Tobias - RUDNER, Mark S. - BERG, Erez - LINDNER, Netanel H. Exponentially long lifetime of universal quasi-steady states in topological Floquet pumps. In SCIPOST PHYSICS. ISSN 2542-4653, 2020, vol. 9, no. 1, 015., Registrované v: WOS
15. [1.1] HAO, Lei - TING, C. S. Searching for two-dimensional Weyl superconductors in heterostructures. In PHYSICAL REVIEW B. ISSN 2469-9950, 2017, vol. 95, no. 6, 064513., Registrované v: WOS
16. [1.1] HARPER, Fenner - ROY, Rahul - RUDNER, Mark S. - SONDHI, S. L. Topology and Broken Symmetry in Floquet Systems. In ANNUAL REVIEW OF CONDENSED MATTER PHYSICS, VOL 11, 2020. ISSN 1947-5454, 2020, vol. 11, pp. 345-368., Registrované v: WOS
17. [1.1] HASAN, Mehedi - YUDIN, Dmitry - IORSH, Ivan - ERIKSSON, Olle - SHELYKH, Ivan. Topological edge-state engineering with high-frequency electromagnetic radiation. In PHYSICAL REVIEW B. ISSN 2469-9950, 2017, vol. 96, no. 20, 205127., Registrované v: WOS
18. [1.1] HOECKENDORF, Bastian - ALVERMANN, Andreas - FEHSKE, Holger. Topological invariants for Floquet-Bloch systems with chiral, time-reversal, or particle-hole symmetry. In PHYSICAL REVIEW B. ISSN 2469-9950, 2018, vol. 97, no. 4, 045140., Registrované v: WOS
19. [1.1] CHAUDHARY, Swati - HSIEH, David - REFAEL, Gil. Orbital Floquet engineering of exchange interactions in magnetic materials. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 100, no. 22, 220403., Registrované v: WOS
20. [1.1] CHEN, Rui - XU, Dong-Hui - ZHOU, Bin. Floquet topological insulator phase in a Weyl semimetal thin film with disorder. In PHYSICAL REVIEW B. ISSN 2469-9950, 2018, vol. 98, no. 23, 235159., Registrované v: WOS
21. [1.1] CHEN, Rui - ZHOU, Bin - XU, Dong-Hui. Floquet Weyl semimetals in light-irradiated type-II and hybrid line-node semimetals. In PHYSICAL REVIEW B. ISSN 2469-9950, 2018, vol. 97, no. 15, 155152., Registrované v: WOS
22. [1.1] JANA, Sayan - MOHAN, Priyanka - SAHA, Arijit - MUKHERJEE, Anamitra. Tailoring metal-insulator transitions and band topology via off-resonant periodic drive in an interacting triangular lattice. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 101, no. 11, 115428., Registrované v: WOS
23. [1.1] KALADZHYAN, Vardan - SIMON, Pascal - TRIF, Mircea. Controlling topological superconductivity by magnetization dynamics. In PHYSICAL REVIEW B. ISSN 2469-9950, 2017, vol. 96, no. 2, 020507.,

Registrované v: WOS

24. [1.1] KAMINSKI, J. Z. - VELEZ, F. Cajiao - KRAJEWSKA, K. Plasmon effects in photoemission. In 25TH ANNUAL INTERNATIONAL LASER PHYSICS WORKSHOP (LPHYS'16). ISSN 1742-6588, 2017, vol. 826, UNSP 012013., Registrované v: WOS

25. [1.1] KANDELAKI, Ervand - RUDNER, Mark S. Many-Body Dynamics and Gap Opening in Interacting Periodically Driven Systems. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2018, vol. 121, no. 3, 036801., Registrované v: WOS

26. [1.1] KANE, Charles L. - STERN, Ady - HALPERIN, Bertrand I. Pairing in Luttinger Liquids and Quantum Hall States. In PHYSICAL REVIEW X. ISSN 2160-3308, 2017, vol. 7, no. 3, 031009., Registrované v: WOS

27. [1.1] KANE, Charles L. - STERN, Ady. Coupled wire model of Z(4) orbifold quantum Hall states. In PHYSICAL REVIEW B. ISSN 2469-9950, 2018, vol. 98, no. 8., Registrované v: WOS

28. [1.1] KATZ, Or - REFAEL, Gil - LINDNER, Netanel H. Optically induced flat bands in twisted bilayer graphene. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 102, no. 15, 155123., Registrované v: WOS

29. [1.1] KE, Yongguan - HU, Shi - ZHU, Bo - GONG, Jiangbin - KIVSHAR, Yuri - LEE, Chaohong. Topological pumping assisted by Bloch oscillations. In PHYSICAL REVIEW RESEARCH, 2020, vol. 2, no. 3, 033143., Registrované v: WOS

30. [1.1] LADOVRECHIS, Konstantinos - FULGA, Ion Cosma. Anomalous Floquet topological crystalline insulators. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 99, no. 19, 195426., Registrované v: WOS

31. [1.1] LEE, Ching Hua - HO, Wen Wei - YANG, Bo - GONG, Jiangbin - PAPIC, Zlatko. Floquet Mechanism for Non-Abelian Fractional Quantum Hall States. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2018, vol. 121, no. 23, 237401., Registrované v: WOS

32. [1.1] LINDNER, Netanel H. - BERG, Erez - RUDNER, Mark S. Universal Chiral Quasisteady States in Periodically Driven Many-Body Systems. In PHYSICAL REVIEW X. ISSN 2160-3308, 2017, vol. 7, no. 1, 011018., Registrované v: WOS

33. [1.1] LIU, Dillon T. - SHABANI, Javad - MITRA, Aditi. Floquet Majorana zero and pi modes in planar Josephson junctions. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 99, no. 9, 094303., Registrované v: WOS

34. [1.1] LIU, Hui - XIONG, Tian-Shi - ZHANG, Wei - AN, Jun-Hong. Floquet engineering of exotic topological phases in systems of cold atoms. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 2, 023622., Registrované v: WOS

35. [1.1] LI, Linhu - LEE, Ching Hua - GONG, Jiangbin. Realistic Floquet Semimetal with Exotic Topological Linkages between Arbitrarily Many Nodal Loops. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2018, vol. 121, no. 3, 036401., Registrované v: WOS

36. [1.1] LI, X. P. - LI, C. F. - WANG, L. C. - ZHOU, L. Generating Majorana modes in one-dimensional p-wave superconductor with second-neighbor couplings by periodic kicking. In PHYSICS LETTERS A. ISSN 0375-9601, 2019, vol. 383, no. 9, pp. 873-878., Registrované v: WOS

37. [1.1] LOVEY, D. A. - USAJ, Gonzalo - TORRES, L. E. F. Foa -

- BALSEIRO, C. A. Floquet bound states around defects and adatoms in graphene. In PHYSICAL REVIEW B. ISSN 2469-9950, 2016, vol. 93, no. 24, 245434., Registrované v: WOS
38. [1.1] MEI, Jie - SHAO, Lin - XU, Hengyi - ZHU, Xiaoming - XU, Ning. Photomodulated edge states and multiterminal transport in silicene-like nanoribbons. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 99, no. 4, 045444., Registrované v: WOS
39. [1.1] MEI, Jie - XU, Hengyi - ZHU, Xiaoming - XU, Ning. Spin-resolved photomodulated electronic properties of ferromagnetic kagome lattices. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 102, no. 3, 035428., Registrované v: WOS
40. [1.1] MENG, Tobias - GRUSHIN, Adolfo G. - SHTENGEL, Kirill - BARDARSON, Jens H. Theory of a 3+1D fractional chiral metal: Interacting variant of the Weyl semimetal. In PHYSICAL REVIEW B. ISSN 2469-9950, 2016, vol. 94, no. 15, 155136., Registrované v: WOS
41. [1.1] MENG, Tobias. Coupled-wire constructions: a Luttinger liquid approach to topology. In EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS. ISSN 1951-6355, 2020, vol. 229, no. 4, pp. 527-543., Registrované v: WOS
42. [1.1] MOHAN, Priyanka - RAO, Sumathi. Interplay of Floquet Lifshitz transitions and topological transitions in bilayer Dirac materials. In PHYSICAL REVIEW B. ISSN 2469-9950, 2018, vol. 98, no. 16, 165406., Registrované v: WOS
43. [1.1] MOHAN, Priyanka - SAXENA, Ruchi - KUNDU, Arijit - RAO, Sumathi. Brillouin-Wigner theory for Floquet topological phase transitions in spin-orbit-coupled materials. In PHYSICAL REVIEW B. ISSN 2469-9950, 2016, vol. 94, no. 23, 235419., Registrované v: WOS
44. [1.1] MUKHERJEE, Bhaskar - MOHAN, Priyanka - SEN, Diptiman - SENGUPTA, K. Low-frequency phase diagram of irradiated graphene and a periodically driven spin-1/2 XY chain. In PHYSICAL REVIEW B. ISSN 2469-9950, 2018, vol. 97, no. 20, 205415., Registrované v: WOS
45. [1.1] MUKHERJEE, Dibya Kanti - HUTCHINSON, Joanna - KUNDU, Arijit. Spin-dependent Andreev reflection in spin-orbit coupled systems by breaking time-reversal symmetry. In PHYSICAL REVIEW B. ISSN 2469-9950, 2018, vol. 98, no. 12, 125424., Registrované v: WOS
46. [1.1] NAKATA, Kouki - KIM, Se Kwon - TAKAYOSHI, Shintaro. Laser control of magnonic topological phases in antiferromagnets. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 100, no. 1, 014421., Registrované v: WOS
47. [1.1] NATHAN, Frederik - ABANIN, Dmitry - BERG, Erez - LINDNER, Netanel H. - RUDNER, Mark S. Anomalous Floquet insulators. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 99, no. 19, 195133., Registrované v: WOS
48. [1.1] PENG, Yang - REFAEL, Gil. Time-quasiperiodic topological superconductors with Majorana multiplexing. In PHYSICAL REVIEW B. ISSN 2469-9950, 2018, vol. 98, no. 22, 220509., Registrované v: WOS
49. [1.1] PEREZ-GONZALEZ, Beatriz - BELLO, Miguel - PLATERO, Gloria - GOMEZ-LEON, Alvaro. Simulation of 1D Topological Phases in Driven Quantum Dot Arrays. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 123, no. 12, 126401., Registrované v: WOS

50. [1.1] PERVISHKO, Anastasiia A. - YUDIN, Dmitry - SHELYKH, Ivan A. Impact of high-frequency pumping on anomalous finite-size effects in three-dimensional topological insulators. In PHYSICAL REVIEW B. ISSN 2469-9950, 2018, vol. 97, no. 7, 075420., Registrované v: WOS
51. [1.1] PLEKHANOV, Kirill - ROUX, Guillaume - LE HUR, Karyn. Floquet engineering of Haldane Chern insulators and chiral bosonic phase transitions. In PHYSICAL REVIEW B. ISSN 2469-9950, 2017, vol. 95, no. 4, 045102., Registrované v: WOS
52. [1.1] REISS, Dominic - HARPER, Fenner - ROY, Rahul. Interacting Floquet topological phases in three dimensions. In PHYSICAL REVIEW B. ISSN 2469-9950, 2018, vol. 98, no. 4, 045127., Registrované v: WOS
53. [1.1] RODRIGUEZ-VEGA, M. - LENTZ, M. - SERADJEH, B. Floquet perturbation theory: formalism and application to low-frequency limit. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2018, vol. 20, 093022., Registrované v: WOS
54. [1.1] RODRIGUEZ-VEGA, M. - FERTIG, H. A. - SERADJEH, B. Quantum noise detects Floquet topological phases. In PHYSICAL REVIEW B. ISSN 2469-9950, 2018, vol. 98, no. 4, 041113., Registrované v: WOS
55. [1.1] ROMAN-TABOADA, Pedro - NAUMIS, Gerardo G. Topological edge states on time-periodically strained armchair graphene nanoribbons. In PHYSICAL REVIEW B. ISSN 2469-9950, 2017, vol. 96, no. 15, 155435., Registrované v: WOS
56. [1.1] ROMAN-TABOADA, Pedro - NAUMIS, Gerardo G. Topological flat bands in time-periodically driven uniaxial strained graphene nanoribbons. In PHYSICAL REVIEW B. ISSN 2469-9950, 2017, vol. 95, no. 11, 115440., Registrované v: WOS
57. [1.1] RUDNER, Mark S. - LINDNER, Netanel H. Band structure engineering and non-equilibrium dynamics in Floquet topological insulators. In NATURE REVIEWS PHYSICS, 2020, vol. 2, no. 5, pp. 229-244., Registrované v: WOS
58. [1.1] SHAO, Lin - XU, Hengyi - XU, Ning. Time-dependent multiple barriers of the electric and exchange fields in silicene-like nanoribbons. In JOURNAL OF PHYSICS-CONDENSED MATTER. ISSN 0953-8984, 2018, vol. 30, no. 39, 395302., Registrované v: WOS
59. [1.1] TAUBER, C. Effective vacua for Floquet topological phases: A numerical perspective on the switch-function formalism. In PHYSICAL REVIEW B. ISSN 2469-9950, 2018, vol. 97, no. 19, 195312., Registrované v: WOS
60. [1.1] VOGL, Michael - LAURELL, Pontus - BARR, Aaron D. - FIETE, Gregory A. Flow Equation Approach to Periodically Driven Quantum Systems. In PHYSICAL REVIEW X. ISSN 2160-3308, 2019, vol. 9, no. 2, 021037., Registrované v: WOS
61. [1.1] VOGL, Michael - RODRIGUEZ-VEGA, Martin - FIETE, Gregory A. Effective Floquet Hamiltonians for periodically driven twisted bilayer graphene. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 101, no. 23, 235411., Registrované v: WOS
62. [1.1] WACKERL, Martin - WENK, Paul - SCHLIEMANN, John. Driven Hofstadter butterflies and related topological invariants. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 100, no. 16, 165411., Registrované v: WOS

63. [1.1] WANG, Huai-Qiang - CHEN, M. N. - BOMANTARA, Raditya Weda - GONG, Jiangbin - XING, D. Y. Line nodes and surface Majorana flat bands in static and kicked p-wave superconducting Harper model. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2017, vol. 95, no. 7, 075136., Registrované v: WOS
64. [1.1] WANG, Yunhua - LIU, Yulan - WANG, Biao. Effects of light on quantum phases and topological properties of two-dimensional Metal-organic frameworks. In *Scientific Reports*. ISSN 2045-2322, 2017, vol. 7, 41644., Registrované v: WOS
65. [1.1] YAO, Shunyu - YAN, Zhongbo - WANG, Zhong. Topological invariants of Floquet systems: General formulation, special properties, and Floquet topological defects. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2017, vol. 96, no. 19, 195303., Registrované v: WOS
66. [1.1] YAP, Han Hoe - ZHOU, Longwen - WANG, Jian-Sheng - GONG, Jiangbin. Computational study of the two-terminal transport of Floquet quantum Hall insulators. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2017, vol. 96, no. 16, 165443., Registrované v: WOS
67. [1.1] ZHANG, Xiao-Xiao - ONG, Tze Tzen - NAGAOSA, Naoto. Theory of photoinduced Floquet Weyl semimetal phases. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2016, vol. 94, no. 23, 235137., Registrované v: WOS
68. [1.1] ZHOU, Longwen - DU, Qianqian. Floquet topological phases with fourfold-degenerate edge modes in a driven spin-1/2 Creutz ladder. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2020, vol. 101, no. 3, 033607., Registrované v: WOS
69. [1.1] ZHOU, Longwen - GONG, Jiangbin. Non-Hermitian Floquet topological phases with arbitrarily many real-quasienergy edge states. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2018, vol. 98, no. 20, 205417., Registrované v: WOS
70. [1.1] ZHOU, Longwen - GONG, Jiangbin. Recipe for creating an arbitrary number of Floquet chiral edge states. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2018, vol. 97, no. 24, 245430., Registrované v: WOS
71. [1.1] ZHOU, Longwen - GONG, Jiangbin. Floquet topological phases in a spin-1/2 double kicked rotor. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2018, vol. 97, no. 6, 063603., Registrované v: WOS
72. [1.1] ZHOU, Longwen - PAN, Jiaxin. Non-Hermitian Floquet topological phases in the double-kicked rotor. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2019, vol. 100, no. 5., Registrované v: WOS
73. [1.1] ZHU, Yufei - TAO QIN - YANG, Xinxin - GAO XIANLONG - LIANG, Zhaoxin. Floquet and anomalous Floquet Weyl semimetals. In *PHYSICAL REVIEW RESEARCH*, 2020, vol. 2, no. 3, 033045., Registrované v: WOS
74. [1.1] ZOU, Jin-Yu - LIU, Bang-Gui. Photon-mediated electronic correlation effects in irradiated two-dimensional Dirac systems. In *NANOTECHNOLOGY*. ISSN 0957-4484, 2019, vol. 30, no. 19, 195704., Registrované v: WOS

ADCA616 KLINOVAJA, J. - STAÑO, Peter - YAZDANI, A. - LOSS, D. Topological superconductivity and majorana fermions in RKKY systems. In *Physical Review Letters*, 2013, vol. 111, no. 18, 186805. (2012: 7.943 - IF, Q1 - JCR, 6.292 - SJR,

Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS).
ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.111.186805>

Ohlasy:

1. [1.1] AGUADO, Ramon. Majorana quasiparticles in condensed matter. In RIVISTA DEL NUOVO CIMENTO. ISSN 0393-697X, 2017, vol. 40, no. 11, pp. 523-593., Registrované v: WOS
2. [1.1] AKSOY, Oemer M. - TOLSMA, John R. Majorana zero modes in a quantum wire platform without Rashba spin-orbit coupling. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 101, no. 19, 195127., Registrované v: WOS
3. [1.1] ALICEA, Jason - STERN, Ady. Designer non-Abelian anyon platforms: from Majorana to Fibonacci. In PHYSICA SCRIPTA. ISSN 0031-8949, 2015, vol. T164, 014006., Registrované v: WOS
4. [1.1] AMIN, Syed Tahir - MERA, Bruno - PAUNKOVIC, Nikola - VIEIRA, Vitor R. Information geometric analysis of long range topological superconductors. In JOURNAL OF PHYSICS-CONDENSED MATTER. ISSN 0953-8984, 2019, vol. 31, no. 48, 485402., Registrované v: WOS
5. [1.1] AMORIM, Cassio Sozinho - EBIHARA, Kazuto - YAMAKAGE, Ai - TANAKA, Yukio - SATO, Masatoshi. Majorana braiding dynamics in nanowires. In PHYSICAL REVIEW B. ISSN 2469-9950, 2015, vol. 91, no. 17, 174305., Registrované v: WOS
6. [1.1] ANDOLINA, Gian Marcello - SIMON, Pascal. Topological properties of chains of magnetic impurities on a superconducting substrate: Interplay between the Shiba band and ferromagnetic wire limits. In PHYSICAL REVIEW B. ISSN 2469-9950, 2017, vol. 96, no. 23, 235411., Registrované v: WOS
7. [1.1] ANDRADE, J. A. - LOBOS, Alejandro M. Anisotropy and spin-fluctuation effects on the spectral properties of Shiba impurities. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 99, no. 5, 054508., Registrované v: WOS
8. [1.1] AWOGA, Oladunjoye A. - BJORNSEN, Kristofer - BLACK-SCHAFER, Annica M. Disorder robustness and protection of Majorana bound states in ferromagnetic chains on conventional superconductors. In PHYSICAL REVIEW B. ISSN 2469-9950, 2017, vol. 95, no. 18, 184511., Registrované v: WOS
9. [1.1] BAGRAEV, N. T. - GOLOVIN, P. A. - KHROMOV, V. S. - KLYACHKIN, L. E. - MALYARENKO, A. M. - MASHKOV, V. A. - NOVIKOV, B. A. - PRESNUKHINA, A. P. - REUKOV, A. S. - TARANETS, K. B. TERAHERTZ EMITTERS BASED ON NEGATIVE-U MATERIALS FOR MEDICAL APPLICATIONS. In MATERIALS PHYSICS AND MECHANICS. ISSN 1605-2730, 2020, vol. 44, no. 2, pp. 264-270., Registrované v: WOS
10. [1.1] BAGRAEV, N. T. - GRIGORYEV, V. Yu. - KLYACHKIN, L. E. - MALYARENKO, A. M. - MASHKOV, V. A. - ROMANOV, V. V. Room temperature de Haas-van Alphen effect in silicon nanosandwiches. In SEMICONDUCTORS. ISSN 1063-7826, 2016, vol. 50, no. 8, pp. 1025-1033., Registrované v: WOS
11. [1.1] BAGRAEV, N. T. - GRIGORYEV, V. Yu. - KLYACHKIN, L. E. - MALYARENKO, A. M. - MASHKOV, V. A. - ROMANOV, V. V. - RUL, N. I. High-temperature quantum kinetic effect in silicon nanosandwiches. In LOW TEMPERATURE PHYSICS. ISSN 1063-777X, 2017, vol. 43, no. 1, pp.

110-119., Registrované v: WOS

12. [1.1] BAHARI, Masoud - HOSSEINI, Mir Vahid. One-dimensional topological metal. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 99, no. 15, 155128., Registrované v: WOS

13. [1.1] BAUM, Yuval - POSSKE, Thore - FULGA, Ion Cosma - TRAUZETTEL, Bjoern - STERN, Ady. Gapless topological superconductors: Model Hamiltonian and realization. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 92, no. 4, 045128., Registrované v: WOS

14. [1.1] BEENAKKER, C. W. J. Random-matrix theory of Majorana fermions and topological superconductors. In REVIEWS OF MODERN PHYSICS. ISSN 0034-6861, 2015, vol. 87, no. 3, pp. 1037., Registrované v: WOS

15. [1.1] BESPALOV, A. A. Impurity-induced subgap states in superconductors with inhomogeneous pairing. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 100, no. 9, 094507., Registrované v: WOS

16. [1.1] BJORNSEN, Kristofer - BLACK-SCHAFER, Annica M. Majorana fermions at odd junctions in a wire network of ferromagnetic impurities. In PHYSICAL REVIEW B. ISSN 2469-9950, 2016, vol. 94, no. 10, 100501., Registrované v: WOS

17. [1.1] BORTOLIN, Tomas - IUCCI, Anibal - LOBOS, Alejandro M. Quantum phase diagram of Shiba impurities from bosonization. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 100, no. 15, 155111., Registrované v: WOS

18. [1.1] BRAUNECKER, Bernd - SIMON, Pascal. Self-stabilizing temperature-driven crossover between topological and nontopological ordered phases in one-dimensional conductors. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 92, no. 24, 241410., Registrované v: WOS

19. [1.1] BRYDON, P. M. R. - SARMA, S. Das - HUI, Hoi-Yin - SAU, Jay D. Topological Yu-Shiba-Rusinov chain from spin-orbit coupling. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 91, no. 6, 064505., Registrované v: WOS

20. [1.1] BRZEZICKI, Wojciech - OLES, Andrzej M. - CUOCO, Mario. Driving topological phases by spatially inhomogeneous pairing centers. In PHYSICAL REVIEW B. ISSN 2469-9950, 2017, vol. 95, no. 14, 140506., Registrované v: WOS

21. [1.1] CADEZ, T. - MONDINI, R. - CASTRO, E. V. - SACRAMENTO, P. D. Static and Dynamic Disorder in Topological Systems: Localized, Critical and Extended States. In ACTA PHYSICA POLONICA A. ISSN 0587-4246, 2019, vol. 135, no. 6, pp. 1180-1190., Registrované v: WOS

22. [1.1] CRAWFORD, Daniel - MASCOT, Eric - MORR, Dirk K. - RACHEL, Stephan. High-temperature Majorana fermions in magnet-superconductor hybrid systems. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 101, no. 17, 174510., Registrované v: WOS

23. [1.1] CULCER, Dimitrie - CEM KESER, Aydin - LI, Yongqing - TKACHOV, Grigory. Transport in two-dimensional topological materials: recent developments in experiment and theory. In 2D MATERIALS. ISSN 2053-1583, 2020, vol. 7, no. 2, 022007., Registrované v: WOS

24. [1.1] DEB, Oindrila - THAKURATHI, Manisha - SEN, Diptiman. Transport across a system with three p-wave superconducting wires: effects of Majorana modes and interactions. In EUROPEAN PHYSICAL JOURNAL B.

ISSN 1434-6028, 2016, vol. 89, no. 1, 19., Registrované v: WOS

25. [1.1] DEFENU, Nicolo - MORIGI, Giovanna - DELL'ANNA, Luca - ENSS, Tilman. Universal dynamical scaling of long-range topological superconductors. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 100, no. 18, 184306., Registrované v: WOS

26. [1.1] DESJARDINS, M. M. - CONTAMIN, L. C. - DELBECQ, M. R. - DARTIAILH, M. C. - BRUHAT, L. E. - CUBAYNES, T. - VIENNOT, J. J. - MALLET, F. - ROHART, S. - THIAVILLE, A. - COTTET, A. - KONTOS, T. Synthetic spin-orbit interaction for Majorana devices. In NATURE MATERIALS. ISSN 1476-1122, 2019, vol. 18, no. 10, pp. 1060+., Registrované v: WOS

27. [1.1] DMYTRUK, Olesia - TRIF, Mircea - SIMON, Pascal. Cavity quantum electrodynamics with mesoscopic topological superconductors. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 92, no. 24, 245432., Registrované v: WOS

28. [1.1] DMYTRUK, Olesia - TRIF, Mircea - SIMON, Pascal. Josephson effect in topological superconducting rings coupled to a microwave cavity. In PHYSICAL REVIEW B. ISSN 2469-9950, 2016, vol. 94, no. 11, 115423., Registrované v: WOS

29. [1.1] DUMITRESCU, Eugene - ROBERTS, Brenden - TEWARI, Sumanta - SAU, Jay D. - DAS SARMA, S. Majorana fermions in chiral topological ferromagnetic nanowires. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 91, no. 9, 094505., Registrované v: WOS

30. [1.1] EBISU, Hiromi - LU, Bo - TAGUCHI, Katsuhisa - GOLUBOV, Alexander A. - TANAKA, Yukio. Josephson current in a normal-metal nanowire coupled to a superconductor/ferromagnet/superconductor junction. In PHYSICAL REVIEW B. ISSN 2469-9950, 2016, vol. 93, no. 2, 024509., Registrované v: WOS

31. [1.1] EBISU, Hiromi - YADA, Keiji - KASAI, Hideaki - TANAKA, Yukio. Odd-frequency pairing in topological superconductivity in a one-dimensional magnetic chain. In PHYSICAL REVIEW B. ISSN 2469-9950, 2015, vol. 91, no. 5, 054518., Registrované v: WOS

32. [1.1] ELLIOTT, Steven R. - FRANZ, Marcel. Colloquium: Majorana fermions in nuclear, particle, and solid-state physics. In REVIEWS OF MODERN PHYSICS. ISSN 0034-6861, 2015, vol. 87, no. 1, FEB 11., Registrované v: WOS

33. [1.1] FATIN, Geoffrey L. - MATOS-ABIAGUE, Alex - SCHARF, Benedikt - ZUTIC, Igor. Wireless Majorana Bound States: From Magnetic Tunability to Braiding. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2016, vol. 117, no. 7, 077002., Registrované v: WOS

34. [1.1] FLECKENSTEIN, C. - ZIANI, N. Traverso - TRAUZETTEL, B. Z(4) parafermions in Weakly Interacting Superconducting Constrictions at the Helical Edge of Quantum Spin Hall Insulators. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 122, no. 6, 066801., Registrované v: WOS

35. [1.1] GAO, Yi - ZHOU, Tao - HUANG, Huaixiang - HUANG, Ran. Majorana zero modes in the hopping-modulated one-dimensional p-wave superconducting model. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2015, vol. 5., Registrované v: WOS

36. [1.1] GARNIER, Maxime - MESAROS, Andrej - SIMON, Pascal.

Topological superconductivity with deformable magnetic skyrmions. In COMMUNICATIONS PHYSICS. ISSN 2399-3650, 2019, vol. 2, 126., Registrované v: WOS

37. [1.1] GLODZIK, Szczepan - SEDLMAYR, Nicholas - DOMANSKI, Tadeusz. How to measure the Majorana polarization of a topological planar Josephson junction. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 102, no. 8, 085411., Registrované v: WOS

38. [1.1] GOPALAKRISHNAN, Sarang - PARKER, Colin V. - DEMLER, Eugene. Mobile Magnetic Impurities in a Fermi Superfluid: A Route to Designer Molecules. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 114, no. 4, 045301., Registrované v: WOS

39. [1.1] GORCZYCA-GORAJ, Anna - DOMANSKI, Tadeusz - MASKA, Maciej M. Topological superconductivity at finite temperatures in proximitized magnetic nanowires. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 99, no. 23, 235430., Registrované v: WOS

40. [1.1] HAIM, Arbel - BERG, Erez - VON OPPEN, Felix - OREG, Yuval. Current correlations in a Majorana beam splitter. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 92, no. 24, 245112., Registrované v: WOS

41. [1.1] HAIM, Arbel - OREG, Yuval. Time-reversal-invariant topological superconductivity in one and two dimensions. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, 2019, vol. 825, pp. 1-48., Registrované v: WOS

42. [1.1] HALS, Kjetil M. D. Magnetoelectric coupling in superconductor-helimagnet heterostructures. In PHYSICAL REVIEW B. ISSN 2469-9950, 2017, vol. 95, no. 13, 134504., Registrované v: WOS

43. [1.1] HALS, Kjetil M. D. Supercurrent-induced spin-orbit torques. In PHYSICAL REVIEW B. ISSN 2469-9950, 2016, vol. 93, no. 11, 115431., Registrované v: WOS

44. [1.1] HALS, Kjetil M. D. - FLENSBERG, Karsten - RUDNER, Mark S. Nonlocal damping of helimagnets in one-dimensional interacting electron systems. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 92, no. 9, 094403., Registrované v: WOS

45. [1.1] HALS, Kjetil M. D. - SCHECTER, Michael - RUDNER, Mark S. Composite Topological Excitations in Ferromagnet-Superconductor Heterostructures. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2016, vol. 117, no. 1, 017001., Registrované v: WOS

46. [1.1] HAMAD, Ignacio J. - LISANDRINI, Franco T. - GAZZA, Claudio J. - LOBOS, Alejandro M. Influence of Rashba spin-orbit coupling on the 0- π transition and Kondo temperature in one-dimensional superconductors. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 100, no. 23, 235110., Registrované v: WOS

47. [1.1] HATTER, Nino - HEINRICH, Benjamin W. - ROLF, Daniela - FRANKE, Katharina J. Scaling of Yu-Shiba-Rusinov energies in the weak-coupling Kondo regime. In NATURE COMMUNICATIONS. ISSN 2041-1723, 2017, vol. 8, 2016., Registrované v: WOS

48. [1.1] HEIMES, Andreas - MENDLER, Daniel - KOTETES, Panagiotis. Interplay of topological phases in magnetic adatom-chains on top of a Rashba superconducting surface. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2015, vol. 17, 023051., Registrované v: WOS

49. [1.1] HERBRYCH, J. - HEVERHAGEN, J. - ALVAREZ, G. - DAGHOFER, M. - MOREO, A. - DAGOTTO, E. Block-spiral magnetism: An exotic type of frustrated order. In PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA. ISSN 0027-8424, 2020, vol. 117, no. 28, pp. 16226-16233., Registrované v: WOS
50. [1.1] HOSSEINI, Mir Vahid - KARIMI, Zahra - DAVOODI, Jamal. Indirect exchange interaction between magnetic impurities in one-dimensional gapped helical states. In JOURNAL OF PHYSICS-CONDENSED MATTER. ISSN 0953-8984, 2020, vol. 33, no. 8, 085801., Registrované v: WOS
51. [1.1] HSU, Yu-Chun - CHEN, Wu-Jing - WU, Chien-Te. Quantum phase transitions in superconductor-quantum-dot-superconductor Josephson structures with attractive intradot interaction. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 102, no. 21, 214507., Registrované v: WOS
52. [1.1] HUI, Hoi-Yin - BRYDON, P. M. R. - SAU, Jay D. - TEWARI, S. - DAS SARMA, S. Majorana fermions in ferromagnetic chains on the surface of bulk spin-orbit coupled s-wave superconductors. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2015, vol. 5, 8880., Registrované v: WOS
53. [1.1] HU, Wenjian - SCALETTAR, Richard T. - SINGH, Rajiv R. P. Interplay of magnetic order, pairing, and phase separation in a one-dimensional spin-fermion model. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 92, no. 11, 115133., Registrované v: WOS
54. [1.1] CHEN HUAJUN - ZHU KADI. All-optical scheme for detecting the possible Majorana signature based on QD and nanomechanical resonator systems. In SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY. ISSN 1674-7348, 2015, vol. 58, no. 5, 050301., Registrované v: WOS
55. [1.1] CHEN, Hua-Jun - ZHU, Ka-Di. Surface Plasmon Enhanced Sensitive Detection for Possible Signature of Majorana Fermions via a Hybrid Semiconductor Quantum Dot-Metal Nanoparticle System. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2015, vol. 5, 13518., Registrované v: WOS
56. [1.1] CHEN, Wei - LEGNER, Markus - RUEGG, Andreas - SIGRIST, Manfred. Correlation length, universality classes, and scaling laws associated with topological phase transitions. In PHYSICAL REVIEW B. ISSN 2469-9950, 2017, vol. 95, no. 7, 075116., Registrované v: WOS
57. [1.1] CHEN, Wei - SCHNYDER, Andreas P. Majorana edge states in superconductor-noncollinear magnet interfaces. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 92, no. 21, 214502., Registrované v: WOS
58. [1.1] CHEN, Wei - SIGRIST, Manfred - SCHNYDER, Andreas P. Scaling theory of Z(2) topological invariants. In JOURNAL OF PHYSICS-CONDENSED MATTER. ISSN 0953-8984, 2016, vol. 28, no. 36, 365501., Registrované v: WOS
59. [1.1] CHEN, Wei. Scaling theory of topological phase transitions. In JOURNAL OF PHYSICS-CONDENSED MATTER. ISSN 0953-8984, 2016, vol. 28, no. 5, 055601., Registrované v: WOS
60. [1.1] CHEN, Yu-Qin - WU, Yi-Ming - LIU, Xiong-Jun. Symmetry reduction and boundary modes for Fe chains on an s-wave superconductor. In JOURNAL OF PHYSICS-CONDENSED MATTER. ISSN 0953-8984, 2016, vol. 28, no. 47, 475701., Registrované v: WOS
61. [1.1] CHEVALLIER, D. - ALBERT, M. - DEVILLARD, P. Probing Majorana and Andreev bound states with waiting times. In EPL. ISSN

- 0295-5075, 2016, vol. 116, no. 2, 27005., Registrované v: WOS
62. [1.1] CHOI, Deung-Jang - LORENTE, Nicolas - WIEBE, Jens - VON BERGMANN, Kirsten - OTTE, Alexander F. - HEINRICH, Andreas J. Colloquium: Atomic spin chains on surfaces. In *REVIEWS OF MODERN PHYSICS*. ISSN 0034-6861, 2019, vol. 91, no. 4, 041001., Registrované v: WOS
63. [1.1] CHRISTENSEN, Morten H. - SCHECTER, Michael - FLENSBERG, Karsten - ANDERSEN, Brian M. - PAASKE, Jens. Spiral magnetic order and topological superconductivity in a chain of magnetic adatoms on a two-dimensional superconductor. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2016, vol. 94, no. 14, 144509., Registrované v: WOS
64. [1.1] JAEGER, Simon B. - DELL'ANNA, Luca - MORIGI, Giovanna. Edge states of the long-range Kitaev chain: An analytical study. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2020, vol. 102, no. 3, 035152., Registrované v: WOS
65. [1.1] JIAN, Li. Theory of topological superconductivity based on Yu-Shiba-Rusinov states. In *ACTA PHYSICA SINICA*. ISSN 1000-3290, 2020, vol. 69, no. 11, 117401., Registrované v: WOS
66. [1.1] KALADZHYAN, Vardan - RONTYNEN, Joel - SIMON, Pascal - OJANEN, Teemu. Topological state engineering by potential impurities on chiral superconductors. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2016, vol. 94, no. 6, 060505., Registrované v: WOS
67. [1.1] KALADZHYAN, Vardan - SIMON, Pascal - TRIF, Mircea. Controlling topological superconductivity by magnetization dynamics. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2017, vol. 96, no. 2, 020507., Registrované v: WOS
68. [1.1] KALADZHYAN, Vardan - HOFFMAN, Silas - TRIF, Mircea. Dynamical Shiba states from precessing magnetic moments in an s-wave superconductor. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2017, vol. 95, no. 19, 195403., Registrované v: WOS
69. [1.1] KAMMhuber, J. - CASSIDY, M. C. - PEI, F. - NOWAK, M. P. - VUIK, A. - GUL, O. - CAR, D. - PLISSARD, S. R. - BAKKERS, E. P. A. M. - WIMMER, M. - KOUWENHOVEN, L. P. Conductance through a helical state in an Indium antimonide nanowire. In *NATURE COMMUNICATIONS*. ISSN 2041-1723, 2017, vol. 8, 478., Registrované v: WOS
70. [1.1] KHM, Heunghwan - LOPEZ, Rosa - LIM, Jong Soo - LEE, Minchul. Thermoelectric effect in the Kondo dot side-coupled to a Majorana mode. In *EUROPEAN PHYSICAL JOURNAL B*. ISSN 1434-6028, 2015, vol. 88, no. 6, 151., Registrované v: WOS
71. [1.1] KIENDL, Thomas - VON OPPEN, Felix - BROUWER, Piet W. Effects of nonmagnetic disorder on the energy of Yu-Shiba-Rusinov states. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2017, vol. 96, no. 13, 134501., Registrované v: WOS
72. [1.1] KIM, Howon - ROZSA, Levente - SCHREYER, Dominik - SIMON, Eszter - WIESENDANGER, Roland. Long-range focusing of magnetic bound states in superconducting lanthanum. In *NATURE COMMUNICATIONS*. ISSN 2041-1723, 2020, vol. 11, no. 1, 4573., Registrované v: WOS
73. [1.1] KIM, Younghyun - ZHANG, Junhua - ROSSI, E. - LUTCHYN, Roman M. Impurity-Induced Bound States in Superconductors with Spin-Orbit Coupling. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2015, vol. 114, no. 23, 236804., Registrované v: WOS

74. [1.1] KLASSEN, Joel - WEN, Xiao-Gang. Topological degeneracy (Majorana zero-mode) and 1+1D fermionic topological order in a magnetic chain on superconductor via spontaneous $Z(2)(f)$ symmetry breaking. In JOURNAL OF PHYSICS-CONDENSED MATTER. ISSN 0953-8984, 2015, vol. 27, no. 40, 405601., Registrované v: WOS
75. [1.1] KOBIALKA, Aksel - PIEKARZ, Przemyslaw - OLES, Andrzej M. - PTOK, Andrzej. First-principles study of the nontrivial topological phase in chains of 3d transition metals. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 101, no. 20, 205143., Registrované v: WOS
76. [1.1] KOBIALKA, Aksel - SEDLMAYR, Nicholas - MASKA, Maciej M. - DOMANSKI, Tadeusz. Dimerization-induced topological superconductivity in a Rashba nanowire. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 101, no. 8, 085402., Registrované v: WOS
77. [1.1] KORNICH, Viktoriia - VAVILOV, Maxim G. - FRIESEN, Mark - ERIKSSON, M. A. - COPPERSMITH, S. N. Majorana bound states in nanowire-superconductor hybrid systems in periodic magnetic fields. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 101, no. 12, 125414., Registrované v: WOS
78. [1.1] KOTETES, Panagiotis - MENDLER, Daniel - HEIMES, Andreas - SCHOEN, Gerd. Majorana fermion fingerprints in spin-polarised scanning tunnelling microscopy. In PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES. ISSN 1386-9477, 2015, vol. 74, pp. 614., Registrované v: WOS
79. [1.1] KOTETES, Panagiotis - MENDLER, Daniel - HEIMES, Andreas - SCHOEN, Gerd. Majorana fermion fingerprints in spin-polarised scanning tunnelling microscopy (Reprinted). In PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES. ISSN 1386-9477, 2016, vol. 82, pp. 236-246., Registrované v: WOS
80. [1.1] KOTETES, Panagiotis - MERCALDO, Maria Teresa - CUOCO, Mario. Synthetic Weyl Points and Chiral Anomaly in Majorana Devices with Nonstandard Andreev-Bound-State Spectra. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 123, no. 12, 126802., Registrované v: WOS
81. [1.1] KUZMANOVSKI, Dushko - SOUTO, Ruben Seoane - BALATSKY, Alexander. Odd-frequency superconductivity near a magnetic impurity in a conventional superconductor. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 101, no. 9, 094505., Registrované v: WOS
82. [1.1] LAHTINEN, Ville T. - PACHOS, Jiannis K. A short introduction to topological quantum computation. In SCIPOST PHYSICS. ISSN 2542-4653, 2017, vol. 3, no. 3, UNSP 021., Registrované v: WOS
83. [1.1] LEE, Eduardo J. H. - JIANG, Xiaocheng - ZITKO, Rok - AGUADO, Ramon - LIEBER, Charles M. - DE FRANCESCHI, Silvano. Scaling of subgap excitations in a superconductor-semiconductor nanowire quantum dot. In PHYSICAL REVIEW B. ISSN 2469-9950, 2017, vol. 95, no. 18, 180502(R)., Registrované v: WOS
84. [1.1] LEGG, Henry F. - BRAUNECKER, Bernd. Spin liquid mediated RKKY interaction. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2019, vol. 9, 17697., Registrované v: WOS
85. [1.1] LEUMER, Nico - MARGANSKA, Magdalena - MURALIDHARAN, Bhaskaran - GRIFONI, Milena. Exact eigenvectors and eigenvalues of the finite Kitaev chain and its topological properties. In

- JOURNAL OF PHYSICS-CONDENSED MATTER. ISSN 0953-8984, 2020, vol. 32, no. 44, 445502., Registrované v: WOS
86. [1.1] LEVINE, Yoav - HAIM, Arbel - OREG, Yuval. Realizing topological superconductivity with superlattices. In PHYSICAL REVIEW B. ISSN 2469-9950, 2017, vol. 96, no. 16, 165147., Registrované v: WOS
87. [1.1] LIU, Jie - SONG, Juntao - SUN, Qing-Feng - XIE, X. C. Even-odd interference effect in a topological superconducting wire. In PHYSICAL REVIEW B. ISSN 2469-9950, 2017, vol. 96, no. 19, 195307., Registrované v: WOS
88. [1.1] LIU, Jie - WU, Yijia - SUN, Qing-Feng - XIE, X. C. Flux-induced topological superconductor in planar Josephson junction. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 100, no. 23, 235131., Registrované v: WOS
89. [1.1] LIU, Tianhan - DOUCOT, Benoit - LE HUR, Karyn. Realizing topological Mott insulators from the RKKY interaction. In PHYSICAL REVIEW B. ISSN 2469-9950, 2016, vol. 93, no. 19, 195153., Registrované v: WOS
90. [1.1] LIU, Zhu-Xi - LI, Zhi-Hua - WANG, An-Min. Fractional charged edge states in adder topological insulators. In JOURNAL OF PHYSICS-CONDENSED MATTER. ISSN 0953-8984, 2019, vol. 31, no. 12, 125402., Registrované v: WOS
91. [1.1] LI, Jian - PAN, Wei - BERNEVIG, B. Andrei - LUTCHYN, Roman M. Detection of Majorana Kramers Pairs Using a Quantum Point Contact. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2016, vol. 117, no. 4, 046804., Registrované v: WOS
92. [1.1] LI, W. - PAUL, S. - VON BERGMANN, K. - HEINZE, S. - WIESENDANGER, R. Stacking-Dependent Spin Interactions in Pd/Fe Bilayers on Re(0001). In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2020, vol. 125, no. 22, 227205., Registrované v: WOS
93. [1.1] LOUNIS, Samir. Multiple-scattering approach for multi-spin chiral magnetic interactions: application to the one- and two-dimensional Rashba electron gas. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2020, vol. 22, no. 10, 103003., Registrované v: WOS
94. [1.1] MAL'SHUKOV, A. G. Supercurrent vortices and Majorana zero modes induced by an in-plane Zeeman field on the surface of a three-dimensional topological insulator. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 101, no. 13, 134514., Registrované v: WOS
95. [1.1] MARRA, Pasquale - CITRO, Roberta. Fractional quantization of charge and spin in topological quantum pumps. In EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS. ISSN 1951-6355, 2017, vol. 226, no. 12, pp. 2781-2791., Registrované v: WOS
96. [1.1] MARRA, Pasquale - CUOCO, Mario. Controlling Majorana states in topologically inhomogeneous superconductors. In PHYSICAL REVIEW B. ISSN 2469-9950, 2017, vol. 95, no. 14, 140504., Registrované v: WOS
97. [1.1] MARRA, Pasquale - NITTA, Muneto. Topologically nontrivial Andreev bound states. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 100, no. 22, 220502., Registrované v: WOS
98. [1.1] MASHKOORI, Mahdi - PRADHAN, Saurabh - BJORNSON, Kristofer - FRANSSON, Jonas - BLACK-SCHAFFER, Annica M. Identification of topological superconductivity in magnetic impurity systems using bulk spin polarization. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 102, no.

10, 104501., Registrované v: WOS

99. [1.1] MASHKOORI, Mandi - BLACK-SCHAFFER, Annica. Majorana bound states in magnetic impurity chains: Effects of d-wave pairing. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 99, no. 2, 024505., Registrované v: WOS

100. [1.1] MASHKOORI, M. - MOGHADDAM, A. G. - HAJIBABAEI, M. H. - BLACK-SCHAFFER, A. M. - PARHIZGAR, F. Impact of topology on the impurity effects in extended s-wave superconductors with spin-orbit coupling. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 99, no. 1, 014508., Registrované v: WOS

101. [1.1] MASKA, Maciej M. - TRIVEDI, Nandini. Temperature-driven BCS-BEC crossover and Cooper-paired metallic phase in coupled boson-fermion systems. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 102, no. 14, 144506., Registrované v: WOS

102. [1.1] MATOS-ABIAGUE, Alex - SHABANI, Javad - KENT, Andrew D. - FATIN, Geoffrey L. - SCHARF, Benedikt - ZUTIC, Igor. Tunable magnetic textures: From Majorana bound states to braiding. In SOLID STATE COMMUNICATIONS. ISSN 0038-1098, 2017, vol. 262, pp. 1-6., Registrované v: WOS

103. [1.1] MENARD, Gerbold C. - GUISSART, Sebastien - BRUN, Christophe - PONS, Stephane - STOLYAROV, Vasily S. - DEBONTRIDDER, Francois - LECLERC, Matthieu V. - JANOD, Etienne - CARIO, Laurent - RODITCHEV, Dimitri - SIMON, Pascal - CREN, Tristan. Coherent long-range magnetic bound states in a superconductor. In NATURE PHYSICS. ISSN 1745-2473, 2015, vol. 11, no. 12, pp. 1013., Registrované v: WOS

104. [1.1] MERCALDO, Maria Teresa - KOTETES, Panagiotis - CUOCO, Mario. Magnetoelectrically tunable Andreev bound state spectra and spin polarization in p-wave Josephson junctions. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 100, no. 10, 104519., Registrované v: WOS

105. [1.1] MINARELLI, Emma L. - POYHONEN, Kim - VAN DALUM, Gerwin A. R. - OJANEN, Teemu - FRITZ, Lars. Engineering of Chern insulators and circuits of topological edge states. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 99, no. 16, 165423., Registrované v: WOS

106. [1.1] MOHAMMADI, Reza G. - MOGHADDAM, Ali G. Anisotropic RKKY interactions mediated by $j=3/2$ quasiparticles in half-Heusler topological semimetals. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 101, no. 7, 075421., Registrované v: WOS

107. [1.1] MOHANTA, Narayan - ZHOU, Tong - XU, Jun-Wen - HAN, Jong E. - KENT, Andrew D. - SHABANI, Javad - ZUTIC, Igor - MATOS-ABIAGUE, Alex. Electrical Control of Majorana Bound States Using Magnetic Stripes. In PHYSICAL REVIEW APPLIED. ISSN 2331-7019, 2019, vol. 12, no. 3, 034048., Registrované v: WOS

108. [1.1] MUNK, Morten I. K. - SCHULENBORG, Jens - EGGER, Reinhold - FLENSBERG, Karsten. Parity-to-charge conversion in Majorana qubit readout. In PHYSICAL REVIEW RESEARCH, 2020, vol. 2, no. 3, 033254pp., Registrované v: WOS

109. [1.1] NAVA, Andrea - GIULIANO, Rosa - CAMPAGNANO, Gabriele - GIULIANO, Domenico. Persistent current and zero-energy Majorana modes in a p-wave disordered superconducting ring. In PHYSICAL REVIEW B. ISSN 2469-9950, 2017, vol. 95, no. 15, 155449., Registrované v: WOS

110. [1.1] ODOBESKO, Artem - DI SANTE, Domenico - KOWALSKI, Alexander - WILFERT, Stefan - FRIEDRICH, Felix - THOMALE, Ronny - SANGIOVANNI, Giorgio - BODE, Matthias. Observation of tunable single-atom Yu-Shiba-Rusinov states. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 102, no. 17, 174504., Registrované v: WOS
111. [1.1] PEKERTEN, B. - TEKER, A. - BOZAT, O. - WIMMER, M. - ADAGIDELI, I. Disorder-induced topological transitions in multichannel Majorana wires. In PHYSICAL REVIEW B. ISSN 2469-9950, 2017, vol. 95, no. 6, 064507., Registrované v: WOS
112. [1.1] PENG, Yang - PIENKA, Falko - GLAZMAN, Leonid I. - VON OPPEN, Felix. Strong Localization of Majorana End States in Chains of Magnetic Adatoms. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 114, no. 10, 106801., Registrované v: WOS
113. [1.1] PENG, Yang - PIENKA, Falko - VINKLER-AVIV, Yuval - GLAZMAN, Leonid I. - VON OPPEN, Felix. Robust Majorana Conductance Peaks for a Superconducting Lead. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 115, no. 26, 266804., Registrované v: WOS
114. [1.1] PERRIN, Vivien - SANTOS, Flavio L. N. - MENARD, Gerbold C. - BRUN, Christophe - CREN, Tristan - CIVELLI, Marcello - SIMON, Pascal. Unveiling Odd-Frequency Pairing around a Magnetic Impurity in a Superconductor. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2020, vol. 125, no. 11, 117003., Registrované v: WOS
115. [1.1] PERSHOGUBA, Sergey S. - BJORNSEN, Kristofer - BLACK-SCHAFER, Annika M. - BALATSKY, Alexander V. Currents Induced by Magnetic Impurities in Superconductors with Spin-Orbit Coupling. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 115, no. 11, 116602., Registrované v: WOS
116. [1.1] PERSHOGUBA, Sergey S. - NAKOSAI, Sho - BALATSKY, Alexander V. Skyrmion-induced bound states in a superconductor. In PHYSICAL REVIEW B. ISSN 2469-9950, 2016, vol. 94, no. 6, 064513., Registrované v: WOS
117. [1.1] PERSSON, Daniel - SHEVTSOV, Oleksii - LOFWANDER, Tomas - FOGELSTROM, Mikael. Spectral properties of superconductors with ferromagnetically ordered magnetic impurities. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 92, no. 24, 245430., Registrované v: WOS
118. [1.1] PERSSON, Daniel - SHEVTSOV, Oleksii - LOFWANDER, Tomas - FOGELSTROM, Mikael. Spin-polarized currents and noise in normal-metal/superconductor junctions with Yu-Shiba-Rusinov impurities. In PHYSICAL REVIEW B. ISSN 2469-9950, 2016, vol. 94, no. 15, 155424., Registrované v: WOS
119. [1.1] PIENKA, Falko - PENG, Yang - GLAZMAN, Leonid - VON OPPEN, Felix. Topological superconducting phase and Majorana bound states in Shiba chains. In PHYSICA SCRIPTA. ISSN 0031-8949, 2015, vol. T164, 014008., Registrované v: WOS
120. [1.1] POSSKE, Thore - THORWART, Michael. Winding Up Quantum Spin Helices: How Avoided Level Crossings Exile Classical Topological Protection. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 122, no. 9, 097204., Registrované v: WOS
121. [1.1] POYHONEN, Kim - OJANEN, Teemu. Superlattice platform for chiral superconductivity with tunable and high Chern numbers. In

PHYSICAL REVIEW B. ISSN 2469-9950, 2017, vol. 96, no. 17, 174521.,
 Registrované v: WOS

122. [1.1] POYHONEN, Kim - WESTSTROM, Alex - OJANEN, Teemu. Topological superconductivity in ferromagnetic atom chains beyond the deep-impurity regime. In PHYSICAL REVIEW B. ISSN 2469-9950, 2016, vol. 93, no. 1, 014517., Registrované v: WOS

123. [1.1] PUEL, T. O. - SACRAMENTO, P. D. - CONTINENTINO, M. A. 4π Josephson currents in junctions of hybridized multiband superconductors. In PHYSICAL REVIEW B. ISSN 2469-9950, 2017, vol. 95, no. 9, 094509., Registrované v: WOS

124. [1.1] PUEL, T. O. - VIYUELA, O. Band twisting and resilience to disorder in long-range topological superconductors. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 100, no. 1, 014508., Registrované v: WOS

125. [1.1] RADGOHAR, Roya - KARGARIAN, Mehdi. Effects of dynamical noises on Majorana bound states. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 102, no. 16, 165111., Registrované v: WOS

126. [1.1] REBOLA, Alejandro - LOBOS, Alejandro M. Realistic indirect spin interactions between magnetic impurities on a metallic Pb(110) surface. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 100, no. 23, 235412., Registrované v: WOS

127. [1.1] REX, Stefan - GORNYI, Igor - MIRLIN, Alexander D. Majorana bound states in magnetic skyrmions imposed onto a superconductor. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 100, no. 6, 064504., Registrované v: WOS

128. [1.1] REX, Stefan - GORNYI, Igor - MIRLIN, Alexander D. Majorana modes in emergent-wire phases of helical and cycloidal magnet-superconductor hybrids. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 102, no. 22, 224501., Registrované v: WOS

129. [1.1] RUBY, Michael - PIENKA, Falko - PENG, Yang - VON OPPEN, Felix - HEINRICH, Benjamin W. - FRANKE, Katharina J. Tunneling Processes into Localized Subgap States in Superconductors. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 115, no. 8, 087001., Registrované v: WOS

130. [1.1] RUBY, M. et al. End states and subgap structure. In PHYSICAL REVIEW LETTERS, 2015, vol. 115, no. 19, 197204., Registrované v: WOS

131. [1.1] RUIZ-TIJERINA, David A. - VERNEK, E. - DIAS DA SILVA, Luis G. G. V. - EGUES, J. C. Interaction effects on a Majorana zero mode leaking into a quantum dot. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 91, no. 11, 115435., Registrované v: WOS

132. [1.1] SACRAMENTO, P. D. Magnetic chains on a triplet superconductor. In JOURNAL OF PHYSICS-CONDENSED MATTER. ISSN 0953-8984, 2015, vol. 27, no. 44, 445702., Registrované v: WOS

133. [1.1] SAHLBERG, Isac - WESTSTROM, Alex - POYHONEN, Kim - OJANEN, Teemu. Engineering one-dimensional topological phases on p-wave superconductors. In PHYSICAL REVIEW B. ISSN 2469-9950, 2017, vol. 95, no. 18, 184512., Registrované v: WOS

134. [1.1] SAKURAI, Keimei - MERCALDO, Maria Teresa - KOBAYASHI, Shingo - YAMAKAGE, Ai - IKEGAYA, Satoshi - HABA, Tetsuro - KOTETES, Panagiotis - CUOCO, Mario - ASANO, Yasuhiro. Nodal Andreev spectra in multi-Majorana three-terminal Josephson junctions. In

- PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 101, no. 17, 14506.,
Registrované v: WOS
135. [1.1] SANCHES, J. E. - RICCO, L. S. - MARQUES, Y. -
MIZOBATA, W. N. - DE SOUZA, M. - SHELYKH, I. A. - SERIDONIO, A. C.
Majorana molecules and their spectral fingerprints. In PHYSICAL REVIEW B.
ISSN 2469-9950, 2020, vol. 102, no. 7, 075128., Registrované v: WOS
136. [1.1] SATO, Masatoshi - FUJIMOTO, Satoshi. Majorana Fermions
and Topology in Superconductors. In JOURNAL OF THE PHYSICAL
SOCIETY OF JAPAN. ISSN 0031-9015, 2016, vol. 85, no. 7, 072001.,
Registrované v: WOS
137. [1.1] SAU, Jay D. - BRYDON, P. M. R. Bound States of a
Ferromagnetic Wire in a Superconductor. In PHYSICAL REVIEW LETTERS.
ISSN 0031-9007, 2015, vol. 115, no. 12, 127003., Registrované v: WOS
138. [1.1] SEDLMAYR, N. - GUIGOU, M. - SIMON, P. - BENA, C.
Majoranas with and without a 'character': hybridization, braiding
and chiral Majorana number. In JOURNAL OF PHYSICS-CONDENSED
MATTER. ISSN 0953-8984, 2015, vol. 27, no. 45, 455601., Registrované v:
WOS
139. [1.1] SETIAWAN, F. - WU, Chien-Te - LEVIN, K. Full proximity
treatment of topological superconductors in Josephson-junction architectures. In
PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 99, no. 17, 174511.,
Registrované v: WOS
140. [1.1] SHAO, Lu-Bing - WANG, Zi-Dan - SHEN, Rui - SHENG, Li -
WANG, Bo-Gen - XING, Ding-Yu. Controlling Fusion of Majorana Fermions in
One-Dimensional Systems by Zeeman Field. In CHINESE PHYSICS LETTERS.
ISSN 0256-307X, 2017, vol. 34, no. 6, 067401., Registrované v: WOS
141. [1.1] SCHARF, Benedikt - ZUTIC, Igor. Probing Majorana-like states
in quantum dots and quantum rings. In PHYSICAL REVIEW B. ISSN
1098-0121, 2015, vol. 91, no. 14, 144505., Registrované v: WOS
142. [1.1] SCHECTER, Michael - RUDNER, Mark S. - FLENSBERG,
Karsten. Spin-Lattice Order in One-Dimensional Conductors: Beyond the RKKY
Effect. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 114,
no. 24, 247205., Registrované v: WOS
143. [1.1] SCHECTER, Michael - FLENSBERG, Karsten -
CHRISTENSEN, Morten H. - ANDERSEN, Brian M. - PAASKE, Jens.
Self-organized topological superconductivity in a Yu-Shiba-Rusinov chain. In
PHYSICAL REVIEW B. ISSN 2469-9950, 2016, vol. 93, no. 14, 140503.,
Registrované v: WOS
144. [1.1] SCHERUBL, Zoltan - FULOP, Gergo - MOCA, Catalin Pascu -
GRAMICH, Jorg - BAUMGARTNER, Andreas - MAKK, Peter - ELALAILY,
Tosson - SCHONENBERGER, Christian - NYGARD, Jesper - ZARAND,
Gergely - CSONKA, Szabolcs. Large spatial extension of the zero-energy
Yu-Shiba-Rusinov state in a magnetic field. In NATURE COMMUNICATIONS.
ISSN 2041-1723, 2020, vol. 11, no. 1, 1834., Registrované v: WOS
145. [1.1] SCHIMMEL, D. H. - TSVELIK, A. M. - YEVTUSHENKO, O.
M. Low energy properties of the Kondo chain in the RKKY regime. In NEW
JOURNAL OF PHYSICS. ISSN 1367-2630, 2016, vol. 18, 053004.,
Registrované v: WOS
146. [1.1] SCHNEIDER, Lucas - BRINKER, Sascha - STEINBRECHER,
Manuel - HERMENAUE, Jan - POSSKE, Thore - DIAS, Manuel dos Santos -

- LOUNIS, Samir - WIESENDANGER, Roland - WIEBE, Jens. Controlling in-gap end states by linking nonmagnetic atoms and artificially-constructed spin chains on superconductors. In NATURE COMMUNICATIONS. ISSN 2041-1723, 2020, vol. 11, no. 1, 4707., Registrované v: WOS
147. [1.1] SCHNEIDER, Lucas - STEINBRECHER, Manuel - ROZSA, Levente - BOUAZIZ, Juba - PALOTAS, Krisztian - DIAS, Manuel dos Santos - LOUNIS, Samir - WIEBE, Jens - WIESENDANGER, Roland. Magnetism and in-gap states of 3d transition metal atoms on superconducting Re. In NPJ QUANTUM MATERIALS, 2019, vol. 4, 42., Registrované v: WOS
148. [1.1] SCHULENBORG, J. - FLENSBERG, K. Absence of supercurrent sign reversal in a topological junction with a quantum dot. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 101, no. 1, 014512., Registrované v: WOS
149. [1.1] SCHULZ, F. - BUDICH, J. C. - NOVIK, E. G. - REHCER, P. - TRAUZETTEL, B. Voltage-tunable Majorana bound states in time-reversal symmetric bilayer quantum spin Hall hybrid systems. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 100, no. 16, 165420., Registrované v: WOS
150. [1.1] SCHURAY, Alexander - RAMMLER, Manuel - RECHER, Patrik. Signatures of the Majorana spin in electrical transport through a Majorana nanowire. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 102, no. 4, 045303., Registrované v: WOS
151. [1.1] SCHURAY, Alexander - FROMBACH, Daniel - PARK, Sunghun - RECHER, Patrik. Transport signatures of Majorana bound states in superconducting hybrid structures A minireview. In EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS. ISSN 1951-6355, 2020, vol. 229, no. 4, pp. 593-620., Registrované v: WOS
152. [1.1] STAEBLER, Florian - TSVELIK, Alexei M. - YEVTUSHENKO, Oleg M. Protected helical transport in magnetically doped quantum wires: Beyond the one-dimensional paradigm. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 102, no. 16, 161102., Registrované v: WOS
153. [1.1] STERN, Ady - BERG, Erez. Fractional Josephson Vortices and Braiding of Majorana Zero Modes in Planar Superconductor-Semiconductor Heterostructures. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 122, no. 10, 107701., Registrované v: WOS
154. [1.1] STICLET, Doru - MOCA, Catalin Pascu - DORA, Balazs. All-electrical spectroscopy of topological phases in semiconductor-superconductor heterostructures. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 102, no. 7, 075437., Registrované v: WOS
155. [1.1] STICLET, Doru - MORARI, Cristian. Topological superconductivity from magnetic impurities on monolayer NbSe₂. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 100, no. 7, 075420., Registrované v: WOS
156. [1.1] SU, Kaixiang - SUN, Zheng-Hang - FAN, Heng. Quench dynamics of entanglement spectra and topological superconducting phases in a long-range Hamiltonian. In PHYSICAL REVIEW A. ISSN 1050-2947, 2020, vol. 101, no. 6, 063613., Registrované v: WOS
157. [1.1] TAI, Yuan-Yen - CHOI, Hongchul - AHMED, Towfiq - TING, C. S. - ZHU, Jian-Xin. Edge states and local electronic structure around an adsorbed impurity in a topological superconductor. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 92, no. 17, 174514., Registrované v: WOS

158. [1.1] TAKASHIMA, Rina - FUJIMOTO, Satoshi. Supercurrent-induced skyrmion dynamics and tunable Weyl points in chiral magnet with superconductivity. In PHYSICAL REVIEW B. ISSN 2469-9950, 2016, vol. 94, no. 23, 235117., Registrované v: WOS
159. [1.1] TARAT, Sabyasachi - LI, Jian - SCALETTAR, Richard T. - MONDAINI, Rubem. Magnetoresistance effects in a spin-fermion model for multilayers. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 102, no. 9, 094423., Registrované v: WOS
160. [1.1] THEILER, Andreas - BJOERNSON, Kristofer - BLACK-SCHAFFER, Annica M. Majorana bound state localization and energy oscillations for magnetic impurity chains on conventional superconductors. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 100, no. 21, 214504., Registrované v: WOS
161. [1.1] TSVELIK, A. M. - YEVTUSHENKO, O. M. Quantum Phase Transition and Protected Ideal Transport in a Kondo Chain. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 115, no. 21, 216402., Registrované v: WOS
162. [1.1] TSVELIK, A. M. - YEVTUSHENKO, O. M. Transport in magnetically doped one-dimensional wires: can the helical protection emerge without the global helicity? In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2020, vol. 22, no. 5, 053013., Registrované v: WOS
163. [1.1] VAL'KOV, V. V. - MITSKAN, V. A. - ZLOTNIKOV, A. O. - SHUSTIN, M. S. - AKSENOV, S. V. Occurrence of Topologically Nontrivial Phases, Cascade of Quantum Transitions, and Identification of Majorana Modes in Chiral Superconductors and Nanowires (Scientific Summary). In JETP LETTERS. ISSN 0021-3640, 2019, vol. 110, no. 2, pp. 140-153., Registrované v: WOS
164. [1.1] VAN BEEK, Ian J. - BRAUNECKER, Bernd. Non-Kondo many-body physics in a Majorana-based Kondo type system. In PHYSICAL REVIEW B. ISSN 2469-9950, 2016, vol. 94, no. 11, 235431., Registrované v: WOS
165. [1.1] VAN HECK, B. - LUTCHYN, R. M. - GLAZMAN, L. I. Conductance of a proximitized nanowire in the Coulomb blockade regime. In PHYSICAL REVIEW B. ISSN 2469-9950, 2016, vol. 93, no. 23, 235431., Registrované v: WOS
166. [1.1] VEZIN, Thomas - SHEN, Chenghao - HAN, Jong E. - ZUTIC, Igor. Enhanced spin-triplet pairing in magnetic junctions with s-wave superconductors. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 101, no. 1, 014515., Registrované v: WOS
167. [1.1] VIYUELA, Oscar - VIJAY, Sagar - FU, Liang. Scalable fermionic error correction in Majorana surface codes. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 99, no. 20, 205114., Registrované v: WOS
168. [1.1] WANG, Huanyu - LIU, Wuming. Identifying anomalous Floquet edge modes via bulk-edge correspondence. In CHINESE PHYSICS B. ISSN 1674-1056, 2020, vol. 29, no. 4, 047301., Registrované v: WOS
169. [1.1] WESTSTROM, Alex - POYHONEN, Kim - OJANEN, Teemu. Topological properties of helical Shiba chains with general impurity strength and hybridization. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 91, no. 6, 064502., Registrované v: WOS
170. [1.1] WESTSTROM, Alex - POYHONEN, Kim - OJANEN, Teemu.

- Topological superconductivity and anti-Shiba states in disordered chains of magnetic adatoms. In PHYSICAL REVIEW B. ISSN 2469-9950, 2016, vol. 94, no. 10, 104519., Registrované v: WOS
171. [1.1] WIECKOWSKI, Andrzej - PTOK, Andrzej. Influence of long-range interaction on Majorana zero modes. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 100, no. 14, 144510., Registrované v: WOS
172. [1.1] WOJCIK, Krzysztof P. - WEYMANN, Ireneusz. Nonlocal pairing as a source of spin exchange and Kondo screening. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 99, no. 4, 045120., Registrované v: WOS
173. [1.1] WU, Chien-Te - ANDERSON, Brandon M. - HSIAO, Wei-Han - LEVIN, K. Majorana zero modes in spintronics devices. In PHYSICAL REVIEW B. ISSN 2469-9950, 2017, vol. 95, no. 1, 014519., Registrované v: WOS
174. [1.1] WU, Wen-Hao - ZHU, Ka-Di. Sensitive detection of Majorana fermions based on a hybrid spin-microcantilever via enhanced spin resonance spectrum. In NANOTECHNOLOGY. ISSN 0957-4484, 2015, vol. 26, no. 19, 195501., Registrované v: WOS
175. [1.1] WU, Zhigang - BRUUN, G. M. Topological Superfluid in a Fermi-Bose Mixture with a High Critical Temperature. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2016, vol. 117, no. 24, 245302., Registrované v: WOS
176. [1.1] XIAO, Jinpeng - AN, Jin. Chiral symmetries and Majorana fermions in coupled magnetic atomic chains on a superconductor. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2015, vol. 17, 113034., Registrované v: WOS
177. [1.1] XIE, Yingming - ZHOU, Benjamin T. - NG, T. K. - LAW, K. T. Strongly enlarged topological regime and enhanced superconducting gap in nanowires coupled to Ising superconductors. In PHYSICAL REVIEW RESEARCH, 2020, vol. 2, no. 1, 013026., Registrované v: WOS
178. [1.1] YANG, Xing - YUAN, Yuan - PENG, Yang - MINAMITANI, Emi - PENG, Lang - XIAN, Jing-Jing - ZHANG, Wen-Hao - FU, Ying-Shuang. Observation of short-range Yu-Shiba-Rusinov states with threefold symmetry in layered superconductor 2H-NbSe₂. In NANOSCALE. ISSN 2040-3364, 2020, vol. 12, no. 15, pp. 8174-8179., Registrované v: WOS
179. [1.1] YAN, Qing - ZHOU, Yan-Feng - SUN, Qing-Feng. Electrically tunable chiral Majorana edge modes in quantum anomalous Hall insulator-topological superconductor systems. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 100, no. 23, 235407., Registrované v: WOS
180. [1.1] YAN, Zhongbo - BI, Ren - WANG, Zhong. Majorana Zero Modes Protected by a Hopf Invariant in Topologically Trivial Superconductors. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2017, vol. 118, no. 14, 147003., Registrované v: WOS
181. [1.1] YATES, Daniel J. - ABANOV, Alexander G. - MITRA, Aditi. Dynamics of almost strong edge modes in spin chains away from integrability. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 102, no. 19, 195419., Registrované v: WOS
182. [1.1] YOSHIDA, Tomohiro - YANASE, Youichi. Topological D plus p-wave superconductivity in Rashba systems. In PHYSICAL REVIEW B. ISSN 2469-9950, 2016, vol. 93, no. 5, 054504., Registrované v: WOS

183. [1.1] YURTTAGUL, Nikolai - SARSBY, Matthew - GERESDI, Attila. Indium as a High-Cooling-Power Nuclear Refrigerant for Quantum Nanoelectronics. In PHYSICAL REVIEW APPLIED. ISSN 2331-7019, 2019, vol. 12, no. 1, 011005., Registrované v: WOS
184. [1.1] ZHANG, Junhua - AJI, Vivek. Topological Yu-Shiba-Rusinov chain in monolayer transition-metal dichalcogenide superconductors. In PHYSICAL REVIEW B. ISSN 2469-9950, 2016, vol. 94, no. 6, 060501., Registrované v: WOS
185. [1.1] ZHANG, Junhua - KIM, Younghyun - ROSSI, E. - LUTCHYN, Roman M. Topological superconductivity in a multichannel Yu-Shiba-Rusinov chain. In PHYSICAL REVIEW B. ISSN 1098-0121, 2016, vol. 93, no. 2, 060501., Registrované v: WOS
186. [1.1] ZHANG, Shu-Hui - ZHU, Jia-Ji - YANG, Wen - CHANG, Kai. Focusing RKKY interaction by graphene P-N junction. In 2D MATERIALS. ISSN 2053-1583, 2017, vol. 4, no. 3, UNSP 035005., Registrované v: WOS
187. [1.1] ZHANG, Shu-Hui - ZHU, Jia-Ji - YANG, Wen - CHANG, Kai. Selective generation and amplification of RKKY interactions by a p-n interface. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 99, no. 19, 195456., Registrované v: WOS
188. [1.1] ZHANG, Yu - GUO, Kaige - LIU, Jie. Transport characterization of topological superconductivity in a planar Josephson junction. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 102, no. 24, 245403., Registrované v: WOS
189. [1.1] ZHOU, Tong - MOHANTA, Narayan - HAN, Jong E. - MATOS-ABIAGUE, Alex - ZUTIC, Igor. Tunable magnetic textures in spin valves: From spintronics to Majorana bound states. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 99, no. 13, 134505., Registrované v: WOS
190. [1.1] ZHU, Jian-Xin. Local Electronic Structure Around a Single Impurity in Superconductors. In Bogoliubov-De Gennes Method and Its Applications. ISSN 0075-8450, 2016, vol. 924, pp. 69-88., Registrované v: WOS
191. [1.1] ZHU, Xiaoyu - CHEN, Wei - SHEN, R. - XING, D. Y. Fractional fermions induced by spatially varying Zeeman fields. In PHYSICS LETTERS A. ISSN 0375-9601, 2016, vol. 380, no. 5-6, pp. 783-788., Registrované v: WOS
192. [1.1] ZITKO, Rok - LIM, Jong Soo - LOPEZ, Rosa - AGUADO, Ramon. Shiba states and zero-bias anomalies in the hybrid normal-superconductor Anderson model. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 91, no. 4, 045441., Registrované v: WOS
193. [1.1] ZUO, Zheng-Wei - KANG, Da-wei - WANG, Zhao-Wu - LI, Liben. Quantum critical points in tunneling junction of topological superconductor and topological insulator. In PHYSICS LETTERS A. ISSN 0375-9601, 2016, vol. 380, no. 37, pp. 2993-2998., Registrované v: WOS
194. [1.1] ZUO, Zheng-Wei - LI, Huijuan - LI, Liben - SHENG, L. - SHEN, R. - XING, D. Y. Detecting Majorana fermions by use of superconductor-quantum Hall liquid junctions. In EPL. ISSN 0295-5075, 2016, vol. 114, no. 2, 27001., Registrované v: WOS
195. [1.1] ZVYAGIN, A. A. Dynamical quantum phase transitions. In LOW TEMPERATURE PHYSICS. ISSN 1063-777X, 2016, vol. 42, no. 11, pp. 971-994., Registrované v: WOS
196. [1.1] ZVYAGIN, A. A. Nonequilibrium dynamics of a system with

two kinds of fermions after a pulse. In PHYSICAL REVIEW B. ISSN 2469-9950, 2017, vol. 95, no. 7, 075122., Registrované v: WOS 197. [1.1] ZVYAGIN, A. A. Pulse dynamics of quantum systems with pairing. In PHYSICAL REVIEW B. ISSN 2469-9950, 2015, vol. 92, no. 18, 184507., Registrované v: WOS

ADCA617 KLINOVAJA, J. - STANO, Peter - LOSS, D. Transition from fractional to Majorana fermions in Rashba nanowires. In *Physical Review Letters*, 2012, vol. 109, no. 23, 236801. (2011: 7.370 - IF, Q1 - JCR, 6.314 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.109.236801>

Ohlasy:

1. [1.1] BAHARI, Masoud - HOSSEINI, Mir Vahid. Zeeman-field-induced nontrivial topological phases in a one-dimensional spin-orbit-coupled dimerized lattice. In PHYSICAL REVIEW B. ISSN 2469-9950, 2016, vol. 94, no. 12, 125119., Registrované v: WOS
2. [1.1] BOUTIN, Samuel - LEMYRE, Julien Camirand - GARATE, Ion. Majorana bound state engineering via efficient real-space parameter optimization. In PHYSICAL REVIEW B. ISSN 2469-9950, 2018, vol. 98, no. 21, 214512., Registrované v: WOS
3. [1.1] BRAUNECKER, Bernd - SIMON, Pascal. Self-stabilizing temperature-driven crossover between topological and nontopological ordered phases in one-dimensional conductors. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 92, no. 24, 241410., Registrované v: WOS
4. [1.1] DESJARDINS, M. M. - CONTAMIN, L. C. - DELBECQ, M. R. - DARTAILH, M. C. - BRUHAT, L. E. - CUBAYNES, T. - VIENNOT, J. J. - MALLET, F. - ROHART, S. - THIAVILLE, A. - COTTET, A. - KONTOS, T. Synthetic spin-orbit interaction for Majorana devices. In NATURE MATERIALS. ISSN 1476-1122, 2019, vol. 18, no. 10, pp. 1060-+., Registrované v: WOS
5. [1.1] FABIAN, G. - MAKK, P. - MADSEN, M. H. - NYGARD, J. - SCHONENBERGER, C. - BAUMGARTNER, A. Magnetoresistance engineering and singlet/triplet switching in InAs nanowire quantum dots with ferromagnetic sidegates. In PHYSICAL REVIEW B. ISSN 2469-9950, 2016, vol. 94, no. 19, 195415., Registrované v: WOS
6. [1.1] GRAY, F. S. - KERNREITER, T. - GOVERNALE, M. - ZUELICKE, U. Coulomb-exchange effects in nanowires with spin splitting due to a radial electric field. In PHYSICAL REVIEW B. ISSN 2469-9950, 2015, vol. 92, no. 11, 115414., Registrované v: WOS
7. [1.1] GUO, Huaiming - CHEN, Shu. Kaleidoscope of symmetry-protected topological phases in one-dimensional periodically modulated lattices. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 91, no. 4, 041402., Registrované v: WOS
8. [1.1] CHEVALLIER, D. - ALBERT, M. - DEVILLARD, P. Probing Majorana and Andreev bound states with waiting times. In EPL. ISSN 0295-5075, 2016, vol. 116, no. 2, 27005., Registrované v: WOS
9. [1.1] JANA, Sayan - SAHA, Arijit - DAS, Sourin. Jackiw-Rebbi zero modes in non-uniform topological insulator nanowire. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 100, no. 8, 085428., Registrované v: WOS
10. [1.1] KORNICH, Viktoriia - VAVILOV, Maxim G. - FRIESEN,

- Mark - ERIKSSON, M. A. - COPPERSMITH, S. N. Majorana bound states in nanowire-superconductor hybrid systems in periodic magnetic fields. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 101, no. 12, 125414., Registrované v: WOS
11. [1.1] LIU, Qihang - ZHANG, Xiuwen - ABDALLA, L. B. - ZUNGER, Alex. Transforming Common III-V and II-VI Semiconductor Compounds into Topological Heterostructures: The Case of CdTe/InSb Superlattices. In ADVANCED FUNCTIONAL MATERIALS. ISSN 1616-301X, 2016, vol. 26, no. 19, pp. 3259-3267., Registrované v: WOS
12. [1.1] LIU, Zhu-Xi - LI, Zhi-Hua - WANG, An-Min. Fractional charged edge states in adder topological insulators. In JOURNAL OF PHYSICS-CONDENSED MATTER. ISSN 0953-8984, 2019, vol. 31, no. 12, 125402., Registrované v: WOS
13. [1.1] MANDAL, Ipsita. Exceptional points for chiral Majorana fermions in arbitrary dimensions. In EPL. ISSN 0295-5075, 2015, vol. 110, no. 6, 67005., Registrované v: WOS
14. [1.1] MANDAL, I. Counting Majorana bound states using complex momenta. In CONDENSED MATTER PHYSICS. ISSN 1607-324X, 2016, vol. 19, no. 3, 33703., Registrované v: WOS
15. [1.1] MARRA, Pasquale - BRAGGIO, Alessandro - CITRO, Roberta. A zero-dimensional topologically nontrivial state in a superconducting quantum dot. In BEILSTEIN JOURNAL OF NANOTECHNOLOGY. ISSN 2190-4286, 2018, vol. 9, pp. 1705-1714., Registrované v: WOS
16. [1.1] MARRA, Pasquale - CITRO, Roberta. Fractional quantization of charge and spin in topological quantum pumps. In EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS. ISSN 1951-6355, 2017, vol. 226, no. 12, pp. 2781-2791., Registrované v: WOS
17. [1.1] MARRA, Pasquale - CUOCO, Mario. Controlling Majorana states in topologically inhomogeneous superconductors. In PHYSICAL REVIEW B. ISSN 2469-9950, 2017, vol. 95, no. 14, 140504., Registrované v: WOS
18. [1.1] MARRA, Pasquale - NITTA, Muneto. Topologically nontrivial Andreev bound states. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 100, no. 22, 220502., Registrované v: WOS
19. [1.1] MATOS-ABIAGUE, Alex - SHABANI, Javad - KENT, Andrew D. - FATIN, Geoffrey L. - SCHARF, Benedikt - ZUTIC, Igor. Tunable magnetic textures: From Majorana bound states to braiding. In SOLID STATE COMMUNICATIONS. ISSN 0038-1098, 2017, vol. 262, pp. 1-6., Registrované v: WOS
20. [1.1] MAURER, L. N. - GAMBLE, J. K. - TRACY, L. - ELEY, S. - LU, T. M. Designing Nanomagnet Arrays for Topological Nanowires in Silicon. In PHYSICAL REVIEW APPLIED. ISSN 2331-7019, 2018, vol. 10, no. 5, 054071., Registrované v: WOS
21. [1.1] MOHANTA, Narayan - ZHOU, Tong - XU, Jun-Wen - HAN, Jong E. - KENT, Andrew D. - SHABANI, Javad - ZUTIC, Igor - MATOS-ABIAGUE, Alex. Electrical Control of Majorana Bound States Using Magnetic Stripes. In PHYSICAL REVIEW APPLIED. ISSN 2331-7019, 2019, vol. 12, no. 3, 034048., Registrované v: WOS
22. [1.1] PAWLOWSKI, J. - GORSKI, M. - SKOWRON, G. - BEDNAREK, S. Generation of Schrodinger cat type states in a planar semiconductor heterostructure. In PHYSICAL REVIEW B. ISSN 2469-9950,

- 2017, vol. 96, no. 11, 115308., Registrované v: WOS
23. [1.1] PAWLOWSKI, J. - SKOWRON, G. - GORSKI, M. - BEDNAREK, S. All-electric single-electron spin-to-charge conversion. In PHYSICAL REVIEW B. ISSN 2469-9950, 2018, vol. 98, no. 12, 125411., Registrované v: WOS
24. [1.1] PAWLOWSKI, J. - SZUMNIAK, P. - BEDNAREK, S. Generation of spin-dependent coherent states in a quantum wire. In PHYSICAL REVIEW B. ISSN 2469-9950, 2016, vol. 94, no. 15, 045309., Registrované v: WOS
25. [1.1] PAWLOWSKI, J. - SZUMNIAK, P. - BEDNAREK, S. Electron spin rotations induced by oscillating Rashba interaction in a quantum wire. In PHYSICAL REVIEW B. ISSN 1098-0121, 2016, vol. 93, no. 4, 045309., Registrované v: WOS
26. [1.1] REX, Stefan - GORNYI, Igor - MIRLIN, Alexander D. Majorana modes in emergent-wire phases of helical and cycloidal magnet-superconductor hybrids. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 102, no. 22, 224501., Registrované v: WOS
27. [1.1] RONETTI, Flavio - CARREGA, Matteo - SASSETTI, Maura. Levitons in helical liquids with Rashba spin-orbit coupling probed by a superconducting contact. In PHYSICAL REVIEW RESEARCH, 2020, vol. 2, no. 1, 013203., Registrované v: WOS
28. [1.1] SAPKOTA, K. R. - ELEY, S. - BUSSMANN, E. - HARRIS, C. T. - MAURER, L. N. - LU, T. M. Creation of nanoscale magnetic fields using nano-magnet arrays. In AIP ADVANCES. ISSN 2158-3226, 2019, vol. 9, no. 7, 075203., Registrované v: WOS
29. [1.1] SETIAWAN, F. - BRYDON, P. M. R. - SAU, Jay D. - DAS SARMA, S. Conductance spectroscopy of topological superconductor wire junctions. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 91, no. 21, 214513., Registrované v: WOS
30. [1.1] SCHARF, Benedikt - PIENKA, Falko - REN, Hechen - YACOBY, Amir - HANKIEWICZ, Ewelina M. Tuning topological superconductivity in phase-controlled Josephson junctions with Rashba and Dresselhaus spin-orbit coupling. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 99, no. 21, 214503., Registrované v: WOS
31. [1.1] SCHARF, B. - ZUTIC, I. Probing Majorana-like states in quantum dots. In PHYSICAL REVIEW B, 2015, vol. 91, 144505., Registrované v: WOS
32. [1.1] SCHECTER, Michael - RUDNER, Mark S. - FLENSBERG, Karsten. Spin-Lattice Order in One-Dimensional Conductors: Beyond the RKKY Effect. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 114, no. 24, 247205., Registrované v: WOS
33. [1.1] SOUZA, R. M. - SANTOS, Y. S. M. - OLIVEIRA, L. L. - NUNES, M. S. - DANTAS, Ana L. - CARRICO, A. S. Energy product of cylindrical FePt@CoFe₂ and FePt@Fe nanoparticles. In AIP ADVANCES, 2019, vol. 9, no. 12., Registrované v: WOS
34. [1.1] WANG, Sa-Ke - WANG, Jun - LIU, Jun-Feng. Topological phase in one-dimensional Rashba wire. In CHINESE PHYSICS B. ISSN 1674-1056, 2016, vol. 25, no. 7, 077305., Registrované v: WOS
35. [1.1] WANG, X. et al. Spontaneous PT-symmetry breaking. In PHYSICAL REVIEW A, 2015, vol. 92, 012116., Registrované v: WOS

36. [1.1] WANG, Yucheng. Detecting topological phases via survival probabilities of edge Majorana fermions. In PHYSICAL REVIEW E. ISSN 2470-0045, 2018, vol. 98, no. 4, 042128., Registrované v: WOS
37. [1.1] WESTSTROM, Alex - POYHONEN, Kim - OJANEN, Teemu. Topological properties of helical Shiba chains with general impurity strength and hybridization. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 91, no. 6, 064502., Registrované v: WOS
38. [1.1] WU, Yijia - LIU, Haiwen - LIU, Jie - JIANG, Hua - XIE, X. C. Double-frequency Aharonov-Bohm effect and non-Abelian braiding properties of Jackiw-Rebbi zero-mode. In NATIONAL SCIENCE REVIEW. ISSN 2095-5138, 2020, vol. 7, no. 3, pp. 572-578., Registrované v: WOS
39. [1.1] XIONG, Ye - TONG, Peiqing. A NOT operation on Majorana qubits with mobilizable solitons in an extended Su-Schrieffer-Heeger model. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2015, vol. 17, 013017., Registrované v: WOS
40. [1.1] XIONG, Ye - TONG, Peiqing. Jackiw-Rebbi-type bound state carrying fractional fermion parity. In JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT. ISSN 1742-5468, 2015, P02013., Registrované v: WOS
41. [1.1] XU, Zhen - ZHANG, Qingyun - SHEN, Qian - CHENG, Yingchun - SCHWINGENSCHLOGL, Udo - HUANG, Wei. First-principles prediction of TI/SiC for valleytronics. In JOURNAL OF MATERIALS CHEMISTRY C. ISSN 2050-7526, 2017, vol. 5, no. 39, pp. 10427-10433., Registrované v: WOS
42. [1.1] ZHOU, Tong - DARTAILH, Matthieu C. - MAYER, William - HAN, Jong E. - MATOS-ABIAGUE, Alex - SHABANI, Javad - ZUTIC, Igor. Phase Control of Majorana Bound States in a Topological X Junction. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2020, vol. 124, no. 13, 137001., Registrované v: WOS
43. [1.1] ZHOU, Tong - MOHANTA, Narayan - HAN, Jong E. - MATOS-ABIAGUE, Alex - ZUTIC, Igor. Tunable magnetic textures in spin valves: From spintronics to Majorana bound states. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 99, no. 13, 134505., Registrované v: WOS
44. [1.1] ZHU, Xiaoyu - CHEN, Wei - SHEN, R. - XING, D. Y. Fractional fermions induced by spatially varying Zeeman fields. In PHYSICS LETTERS A. ISSN 0375-9601, 2016, vol. 380, no. 5-6, pp. 783-788., Registrované v: WOS
45. [1.1] ZIANI, N. Traverso - FLECKENSTEIN, C. - DOLCETTO, G. - TRAUZETTEL, B. Fractional charge oscillations in quantum dots with quantum spin Hall effect. In PHYSICAL REVIEW B. ISSN 2469-9950, 2017, vol. 95, no. 20, 205418., Registrované v: WOS
46. [1.1] ZIANI, N. Traverso - FLECKENSTEIN, C. - VIGLIOTTI, L. - TRAUZETTEL, B. - SASSETTI, M. From fractional solitons to Majorana fermions in a paradigmatic model of topological superconductivity. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 101, no. 19, 195303., Registrované v: WOS
47. [1.1] ZUTIC, Igor - MATOS-ABIAGUE, Alex - SCHARF, Benedikt - DERY, Hanan - BELASHCHENKO, Kirill. Proximitized materials. In MATERIALS TODAY. ISSN 1369-7021, 2019, vol. 22, pp. 85-107., Registrované v: WOS

ADCA618 KLOEFFEL, Ch. - TRIF, M. - STANO, Peter - LOSS, D. Circuit QED with hole-spin qubits in Ge/Si nanowire quantum dots. In *Physical Review B*, 2013, vol. 88, no. 24, 241405R. (2012: 3.767 - IF, Q1 - JCR, 1.779 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.88.241405>

Ohlasy:

1. [1.1] ABADILLO-URIEL, J. C. - SALFI, Joe - HU, Xuedong - ROGGE, Sven - CALDERON, M. J. - CULCER, Dimitrie. Entanglement control and magic angles for acceptor qubits in Si. In *APPLIED PHYSICS LETTERS*. ISSN 0003-6951, 2018, vol. 113, no. 1, 012102., Registrované v: WOS
2. [1.1] BEAUDOIN, Felix - BLAIS, Alexandre - COISH, W. A. Hamiltonian engineering for robust quantum state transfer and qubit readout in cavity QED. In *NEW JOURNAL OF PHYSICS*. ISSN 1367-2630, 2017, vol. 19, 023041., Registrované v: WOS
3. [1.1] BENITO, M. - BURKARD, Guido. Hybrid superconductor-semiconductor systems for quantum technology. In *APPLIED PHYSICS LETTERS*. ISSN 0003-6951, 2020, vol. 116, no. 19, 190502., Registrované v: WOS
4. [1.1] BOURDET, Leo - NIQUET, Yann-Michel. All-electrical manipulation of silicon spin qubits with tunable spin-valley mixing. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2018, vol. 97, no. 15, 155433., Registrované v: WOS
5. [1.1] BRAUNS, Matthias - RIDDERBOS, Joost - LI, Ang - BAKKERS, Erik P. A. M. - ZWANENBURG, Floris A. Electric-field dependent g-factor anisotropy in Ge-Si core-shell nanowire quantum dots. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2016, vol. 93, no. 12, 121408., Registrované v: WOS
6. [1.1] BRAUNS, Matthias - RIDDERBOS, Joost - LI, Ang - VAN DER WIEL, Wilfred G. - BAKKERS, Erik P. A. M. - ZWANENBURG, Floris A. Highly tuneable hole quantum dots in Ge-Si core-shell nanowires. In *APPLIED PHYSICS LETTERS*. ISSN 0003-6951, 2016, vol. 109, no. 14, 143113., Registrované v: WOS
7. [1.1] BURKARD, Guido - GULLANS, Michael J. - MI, Xiao - PETTA, Jason R. Superconductor-semiconductor hybrid-circuit quantum electrodynamics. In *NATURE REVIEWS PHYSICS*, 2020, vol. 2, no. 3, pp. 129-140., Registrované v: WOS
8. [1.1] BURKARD, Guido - PETTA, J. R. Dispersive readout of valley splittings in cavity-coupled silicon quantum dots. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2016, vol. 94, no. 19, 195305., Registrované v: WOS
9. [1.1] COTTET, Audrey - DARTAILH, Matthieu C. - DESJARDINS, Matthieu M. - CUBAYNES, Tino - CONTAMIN, Lauriane C. - DELBECQ, Matthieu - VIENNOT, Jeremie J. - BRUHAT, Laure E. - DOUCOT, Benoit - KONTOS, Takis. Cavity QED with hybrid nanocircuits: from atomic-like physics to condensed matter phenomena. In *JOURNAL OF PHYSICS-CONDENSED MATTER*. ISSN 0953-8984, 2017, vol. 29, no. 43, 433002., Registrované v: WOS
10. [1.1] COTTET, A. - KONTOS, T. - DOUCOT, B. Electron-photon coupling in mesoscopic quantum electrodynamics. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2015, vol. 91, no. 20, 205417., Registrované v: WOS

11. [1.1] DE ALMEIDA, A. J. Sousa - SECO, A. Marquez - VAN DEN BERG, T. - VAN DE VEN, B. - BRUIJNES, F. - AMITONOV, S. V. - ZWANENBURG, F. A. Ambipolar charge sensing of few-charge quantum dots. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 101, no. 20, 201301., Registrované v: WOS
12. [1.1] DE VRIES, Folkert K. - SHEN, Jie - SKOLASINSKI, Rafal J. - NOWAK, Michal P. - VARJAS, Daniel - WANG, Lin - WIMMER, Michael - RIDDERBOS, Joost - ZWANENBURG, Floris A. - LI, Ang - KOELLING, Sebastian - VERHEIJEN, Marcel A. - BAKKERS, Erik P. A. M. - KOUWENHOVEN, Leo P. Spin-Orbit Interaction and Induced Superconductivity in a One-Dimensional Hole Gas. In NANO LETTERS. ISSN 1530-6984, 2018, vol. 18, no. 10, pp. 6483-6488., Registrované v: WOS
13. [1.1] FRONING, F. N. M. - REHMANN, M. K. - RIDDERBOS, J. - BRAUNS, M. - ZWANENBURG, F. A. - LI, A. - BAKKERS, E. P. A. M. - ZUMBUHL, D. M. - BRAAKMAN, F. R. Single, double, and triple quantum dots in Ge/Si nanowires. In APPLIED PHYSICS LETTERS. ISSN 0003-6951, 2018, vol. 113, no. 7, 073102., Registrované v: WOS
14. [1.1] CHEN, Mingbo - XU, Yongqiang - CAO, Gang - GUO, Guoping. Strong coupling of hybrid system between semiconductor quantum dots and superconducting resonator. In CHINESE SCIENCE BULLETIN-CHINESE. ISSN 0023-074X, 2020, vol. 65, no. 23, pp. 2427-2438., Registrované v: WOS
15. [1.1] KULKARNI, Anant - BINDA, Namita - KAUSHIK, Brajesh Kumar. Quantum Computing Circuits Based on Spin-Torque Qubit Architecture Toward the physical realization of quantum computers. In IEEE NANOTECHNOLOGY MAGAZINE. ISSN 1932-4510, 2019, vol. 13, no. 5, pp. 15-24., Registrované v: WOS
16. [1.1] LILES, S. D. - LI, R. - YANG, C. H. - HUDSON, F. E. - VELDHORST, M. - DZURAK, A. S. - HAMILTON, A. R. Spin and orbital structure of the first six holes in a silicon metal-oxide-semiconductor quantum dot. In NATURE COMMUNICATIONS. ISSN 2041-1723, 2018, vol. 9, 3255., Registrované v: WOS
17. [1.1] LI, Jing - VENITUCCI, Benjamin - NIQUET, Yann-Michel. Hole-phonon interactions in quantum dots: Effects of phonon confinement and encapsulation materials on spin-orbit qubits. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 102, no. 7, 075415., Registrované v: WOS
18. [1.1] LI, Shu-Xiao - LI, Yan - GAO, Fei - XU, Gang - LI, Hai-Ou - CAO, Gang - XIAO, Ming - WANG, Ting - ZHANG, Jian-Jun - GUO, Guo-Ping. Measuring hole spin states of single quantum dot in germanium hut wire. In APPLIED PHYSICS LETTERS. ISSN 0003-6951, 2017, vol. 110, no. 13, 133105., Registrované v: WOS
19. [1.1] MUTTER, Philipp M. - BURKARD, Guido. Cavity control over heavy-hole spin qubits in inversion-symmetric crystals. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 102, no. 20, 205412., Registrované v: WOS
20. [1.1] SALFI, Joe - MOL, Jan A. - CULCER, Dimitrie - ROGGE, Sven. Charge-Insensitive Single-Atom Spin-Orbit Qubit in Silicon. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2016, vol. 116, no. 24, 246801., Registrované v: WOS
21. [1.1] SAMKHARADZE, N. - BRUNO, A. - SCARLINO, P. - ZHENG, G. - DIVINCENZO, D. P. - DICARLO, L. - VANDERSYPEN, L. M. K. High-Kinetic-Inductance Superconducting Nanowire Resonators for Circuit

QED in a Magnetic Field. In PHYSICAL REVIEW APPLIED. ISSN 2331-7019, 2016, vol. 5, no. 4, 044004., Registrované v: WOS

22. [1.1] SAMKHARADZE, N. - ZHENG, G. - KALHOR, N. - BROUSSE, D. - SAMMAK, A. - MENDES, U. C. - BLAIS, A. - SCAPPUCCI, G. - VANDERSYPEN, L. M. K. Strong spin-photon coupling in silicon. In SCIENCE. ISSN 0036-8075, 2018, vol. 359, no. 6380, pp. 1123-1126., Registrované v: WOS

23. [1.1] SAMMAK, Amir - SABBAGH, Diego - HENDRICKX, Nico W. - LODARI, Mario - WUETZ, Brian Paquelet - TOSATO, Alberto - YEOH, LaReine - BOLLANI, Monica - VIRGILIO, Michele - SCHUBERT, Markus Andreas - ZAUMSEIL, Peter - CAPELLINI, Giovanni - VELDHORST, Menno - SCAPPUCCI, Giordano. Shallow and Undoped Germanium Quantum Wells: A Playground for Spin and Hybrid Quantum Technology. In ADVANCED FUNCTIONAL MATERIALS. ISSN 1616-301X, 2019, vol. 29, no. 14, 1807613., Registrované v: WOS

24. [1.1] VENITUCCI, Benjamin - BOURDET, Leo - POUZADA, Daniel - NIQUET, Yann-Michel. Electrical manipulation of semiconductor spin qubits within the g-matrix formalism. In PHYSICAL REVIEW B. ISSN 2469-9950, 2018, vol. 98, no. 15, 155319., Registrované v: WOS

25. [1.1] VENITUCCI, Benjamin - NIQUET, Yann-Michel. Simple model for electrical hole spin manipulation in semiconductor quantum dots: Impact of dot material and orientation. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 99, no. 11, 115317., Registrované v: WOS

26. [1.1] VUKUSIC, Lada - KUKUCKA, Josip - WATZINGER, Hannes - MILEM, Joshua Michael - SCHAEFFLER, Friedrich - KATSAROS, Georgios. Single-Shot Readout of Hole Spins in Ge. In NANO LETTERS. ISSN 1530-6984, 2018, vol. 18, no. 11, pp. 7141-7145., Registrované v: WOS

27. [1.1] WANG, Rui - DEACON, Russell S. - SUN, Jian - YAO, Jun - LIEBER, Charles M. - ISHIBASHI, Koji. Gate Tunable Hole Charge Qubit Formed in a Ge/Si Nanowire Double Quantum Dot Coupled to Microwave Photons. In NANO LETTERS. ISSN 1530-6984, 2019, vol. 19, no. 2, pp. 1052-1060., Registrované v: WOS

ADCA619 KOASHI, M. - BUŽEK, Vladimír - IMOTO, N. Entangled webs: Tight Bound for symmetric Sharing of Entanglement. In *Physical Review A*, 2000, vol. 62, no. 5, 050302. (2000 - Current Contents). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.62.050302>

Ohlasy:

1. [1.1] ASSADI, Leila - JAFARPOUR, Mojtaba. Classification of 4-qubit Entangled Graph States According to Bipartite Entanglement, Multipartite Entanglement and Non-local Properties. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2016, vol. 55, no. 11, pp. 4809-4821., Registrované v: WOS

2. [1.1] BAO, L. et al. The critical point entanglement. In ENTROPY, 2015, vol. 17, no. 7, p. 5022-5042., Registrované v: WOS

3. [1.1] DIVIANSZKY, Peter - TRENCSENYI, Reka - BENE, Erika - VERTESI, Tamas. Bounding the persistency of the nonlocality of W states. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 93, no. 4, 042113., Registrované v: WOS

4. [1.1] FAN RONG-HUA - GUO BANG-HONG - GUO JIAN-JUN -

- ZHANG CHENG-XIAN - ZHANG WEN-JIE - DU GE. Entangled W state of multi degree of freedom system based on orbital angular momentum. In ACTA PHYSICA SINICA. ISSN 1000-3290, 2015, vol. 64, no. 14, 140301., Registrované v: WOS
5. [1.1] GACHECHILADZE, Mariami - BUDRONI, Costantino - GUEHNE, Otfried. Extreme Violation of Local Realism in Quantum Hypergraph States. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2016, vol. 116, no. 7, 070401., Registrované v: WOS
6. [1.1] GEETHA, P. J. - YASHODAMMA, K. O. - SUDHA. Monogamous nature of symmetric N-qubit states of the W class: Concurrence and negativity tangle. In CHINESE PHYSICS B. ISSN 1674-1056, 2015, vol. 24, no. 11, 110302., Registrované v: WOS
7. [1.1] CHANDRA, N. - PARIDA, S. Quantum Entanglement in Photon-Induced Electron Spectroscopy of Atoms and Molecules: Its Generation, Characterization, and Applications. In ADVANCES IN IMAGING AND ELECTRON PHYSICS, VOL 196. ISSN 1076-5670, 2016, vol. 196, no., pp. 1-164., Registrované v: WOS
8. [1.1] JIANG, Zhang - TACLA, Alexandre B. - CAVES, Carlton M. Bosonic particle-correlated states: A nonperturbative treatment beyond mean field. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 96, no. 2, 023621., Registrované v: WOS
9. [1.1] JI, Y. Q. - LIU, Y. L. - ZHOU, S. J. - XIU, X. M. - DONG, L. - DONG, H. K. - GAO, Y. J. - YI, X. X. Fast conversion of Dicke states vertical bar $D-n(2)>$ to vertical bar $D-n+(1)(2)>$ by transitionless quantum driving. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 99, no. 2, 023808., Registrované v: WOS
10. [1.1] JU, Le - YANG, Ming - PAUNKOVIC, Nikola - CHU, Wen-Jing - CAO, Zhuo-Liang. Creating photonic GHZ and W states via quantum walk. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2019, vol. 18, no. 6, 176., Registrované v: WOS
11. [1.1] KIM, Yong-Su - CHO, Young-Wook - LIM, Hyang-Tag - HAN, Sang-Wook. Efficient linear optical generation of a multipartite W state via a quantum eraser. In PHYSICAL REVIEW A. ISSN 2469-9926, 2020, vol. 101, no. 2, 022337., Registrované v: WOS
12. [1.1] LIN QING. Optical parity gate and a wide range of entangled states generation. In SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY. ISSN 1674-7348, 2015, vol. 58, no. 4, 044201., Registrované v: WOS
13. [1.1] LIPINSKA, Victoria - MURTA, Glaucia - WEHNER, Stephanie. Anonymous transmission in a noisy quantum network using the W state. In PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 98, no. 5, 052320., Registrované v: WOS
14. [1.1] MAKHALOV, Vasiliy - SATOOR, Tanish - EVRARD, Alexandre - CHALOPIN, Thomas - LOPES, Raphael - NASCIMBENE, Sylvain. Probing Quantum Criticality and Symmetry Breaking at the Microscopic Level. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 123, no. 12, 120601., Registrované v: WOS
15. [1.1] MEILL, Alexander - MEYER, David A. Symmetric three-qubit-state invariants. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 96, no. 6, 062310., Registrované v: WOS

16. [1.1] MEILL, Alexander - MEYER, David A. Pairwise concurrence in cyclically symmetric quantum states. In PHYSICAL REVIEW A. ISSN 1050-2947, 2019, vol. 100, no. 4, 042318., Registrované v: WOS
17. [1.1] NEVEN, A. - MARTIN, J. - BASTIN, T. Entanglement robustness against particle loss in multiqubit systems. In PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 98, no. 6, 062335., Registrované v: WOS
18. [1.1] ROBLES, R. A. Robles - CHILINGARYAN, S. A. - RODRIGUEZ-LARA, B. M. - LEE, Ray-Kuang. Ground state in the finite Dicke model for interacting qubits. In PHYSICAL REVIEW A. ISSN 2469-9926, 2015, vol. 91, no. 3., Registrované v: WOS
19. [1.1] STOJANOVIC, Vladimir M. Bare-Excitation Ground State of a Spinless-Fermion-Boson Model and W-State Engineering in an Array of Superconducting Qubits and Resonators. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2020, vol. 124, no. 19, 190504., Registrované v: WOS
20. [1.1] TAKEUCHI, Yuki - IMOTO, Nobuyuki - TASHIMA, Toshiyuki. Optimal nonlocal conversion of photonic four-partite entanglement from two Bell pairs in quantum networks. In PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 97, no. 4, 042341., Registrované v: WOS
21. [1.1] WU, Chunfeng - GUO, Chu - WANG, Yimin - WANG, Gangcheng - FENG, Xun-Li - CHEN, Jing-Ling. Generation of Dicke states in the ultrastrong-coupling regime of circuit QED systems. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 95, no. 1, 013845., Registrované v: WOS
22. [1.1] ZANG, Xue-Ping - YANG, Ming - WANG, Xian-Cai - SONG, Wei - CAO, Zhuo-Liang. Fusion of W states in a cavity quantum electrodynamic system. In CANADIAN JOURNAL OF PHYSICS. ISSN 0008-4204, 2015, vol. 93, no. 5, pp. 556., Registrované v: WOS
23. [1.1] ZANG, X.-P. et al. Local expansion of atomic W state. In INDIAN JOURNAL OF PHYSICS, 2015, vol. 88, p. 1141-1145., Registrované v: WOS
24. [1.1] ZENG, Yanying - HU, Min - GUO, Banghong. Probabilistic open-destination teleportation based on SAM-Path-OAM hybrid entanglement W State. In OPTIK. ISSN 0030-4026, 2020, vol. 207, 164454., Registrované v: WOS
25. [1.1] ZHANG, Dawei - WANG, W. Generation of W states via Lyapunov control by combination of quantum Zeno dynamics. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2019, vol. 34, no. 28, 1950227., Registrované v: WOS
26. [1.1] ZOU, Ji - KIM, Se Kwon - TSERKOVNYAK, Yaroslav. Tuning entanglement by squeezing magnons in anisotropic magnets. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 101, no. 1, 014416., Registrované v: WOS

ADCA620 KOBUSHKIN, A.P. - KRIVENKO-EMETOV, Ya.D. - DUBNIČKA, Stanislav. Elastic electron-deuteron scattering beyond one-photon exchange. In *Physical Review C*, 2010, vol. 81, no. 5, 054001. (2009: 3.477 - IF, 2.222 - SJR, Q1 - SJR, Current Contents - CCC). (2010 - Current Contents, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.81.054001>

Ohlasy:

1. [1.1] DARWISH, E. M. - HEMMDAN, A. - BEHAIRY, K. O. -

MAHROUS, E. M. - ALSADI, Kh. S. - HASSANAIN, M. A. Sensitivity of Beam-Target Polarized Response Functions in Elastic Electron-Deuteron Scattering to Nucleon Structure and Modern N N Potentials. In MOSCOW UNIVERSITY PHYSICS BULLETIN. ISSN 0027-1349, 2019, vol. 74, no. 4, pp. 353-363., Registrované v: WOS

2. [1.1] MAHROUS, E. M. - DARWISH, E. M. - ABOU-ELSEBAA, H. M. - HEMMDAN, A. Influence of Nucleon Structure on Tensor and Vector Analyzing Powers in Elastic Electron-Deuteron Scattering. In MOSCOW UNIVERSITY PHYSICS BULLETIN. ISSN 0027-1349, 2019, vol. 74, no. 4, pp. 341-352., Registrované v: WOS

ADCA621 KOLANO-BURIAN, A. - KULIK, T. - VLASÁK, Gabriel - FERENC, J. - VARGA, L.K. Effect of Co addition on nanocrystallization and soft magnetic properties of $(\text{Fe}_{1-x}\text{Co}_x)_{73.5}\text{Cu}_{1}\text{Nb}_{3}\text{Si}_{13.5}\text{B}_9$ alloys. In *Journal of Magnetism and Magnetic Materials*, 2004, vol. 272, p. 1447-1448. (2003: 0.910 - IF, Current Contents - CCC). (2004 - Current Contents, WOS, SCOPUS). ISSN 0304-8853. Dostupné na: <https://doi.org/10.1016/j.jmmm.2003.12.1349>

Ohlasy:

1. [1.1] WU, Xiao-rong - LI, De-ren - LI, Zhun - LU, Zhi-chao. Amorphous FeNiCoCuSiBCr Alloys with Superior Direct Current Tolerant Characteristics. In JOURNAL OF IRON AND STEEL RESEARCH INTERNATIONAL. ISSN 1006-706X, 2015, vol. 22, no. 2, pp. 145., Registrované v: WOS

ADCA622 KOLEŠÍK, Miroslav - TUNEGA, Daniel - SOBOLEV, B.P. A study of the disorder in heavily doped $\text{Ba}_{1-x}\text{La}_x\text{F}_{2+x}$ by Raman-scattering. In *Physica Status Solidi B*, 1990, vol. 160, no. 1, p. 375-380. ISSN 0370-1972.

Ohlasy:

1. [1.1] RAMMUTLA, K. E. - COMINS, J. D. - ERASMUS, R. M. - NETSHISAULU, T. T. - NGOEPE, P. E. - CHADWICK, A. V. Light scattering and computer simulation studies of superionic pure and La-doped BaF_2 . In CHEMICAL PHYSICS. ISSN 0301-0104, 2016, vol. 467, pp. 6-12., Registrované v: WOS

ADCA623 KOLEŠÍK, Miroslav - SUZUKI, M. Accurate estimates of 3D Ising critical exponents using the coherent-anomaly method. In *Physica A - Statistical Mechanics and its Applications*, 1995, vol. 215, no. 1-1, p. 138-151. (1995 - Current Contents, SCOPUS). ISSN 0378-4371. Dostupné na: [https://doi.org/10.1016/0378-4371\(94\)00302-A](https://doi.org/10.1016/0378-4371(94)00302-A)

Ohlasy:

1. [1.1] GLAZKOV, V. N. - KRASNIKOVA, Yu - RODYGINA, I. K. - CHOVAN, J. - TARASENKO, R. - ORENDACOVA, A. Splitting of antiferromagnetic resonance modes in the quasi-two-dimensional collinear antiferromagnet $\text{Cu}(\text{en})(\text{H}_2\text{O})_2\text{SO}_4$. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 101, no. 1, 014414., Registrované v: WOS

2. [1.1] MURASE, Mina - OKADA, Kaoru - KOBAYASHI, Yoshiaki - HIRATA, Yasuyuki - HASHIZUME, Kazuki - AOYAMA, Takuya - OHGUSHI, Kenya - ITOH, Masayuki. Successive magnetic transitions and spin structure in the two-leg ladder compound CsFe_2Se_3 observed by ^{133}Cs and ^{77}Se NMR. In

PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 102, no. 1, 014433.,
Registrované v: WOS

- ADCA624 KOLEŠÍK, Miroslav - SUZUKI, M. Critical exponents of the 3D antiferromagnetic 3-state potts-model using the coherent-anomaly method. In *Physica A*, 1995, vol. 216, no. 4, p. 469-477. (1995 - Current Contents, SCOPUS). ISSN 0378-4371. Dostupné na: [https://doi.org/10.1016/0378-4371\(95\)00086-M](https://doi.org/10.1016/0378-4371(95)00086-M)
Ohlasy:
1. [1.1] GSCHWIND, A. - KLOPOTEK, M. - AI, Y. - OETTEL, M. Isotropic-nematic transition for hard rods on a three-dimensional cubic lattice. In *PHYSICAL REVIEW E*. ISSN 2470-0045, 2017, vol. 96, no. 1, 012104., Registrované v: WOS
 2. [1.1] HATTORI, Kazumasa - TSUNETSUGU, Hirokazu. Classical Monte Carlo Study for Antiferro Quadrupole Orders in a Diamond Lattice. In *JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN*. ISSN 0031-9015, 2016, vol. 85, no. 9, 094001., Registrované v: WOS
- ADCA625 KOLEŠÍK, Miroslav - MOLONEY, J.V. - WRIGHT, E.M. Polarization dynamics of femtosecond pulses propagating in air. In *Physical Review E*, 2001, vol. 64, no. 4, p. 046607. (2000: 2.142 - IF, Current Contents - CCC). (2001 - Current Contents). ISSN 2470-0045.
Ohlasy:
1. [1.1] BLONSKYI, I. - KADAN, V. - RYBAK, A. - KORENYUK, P. "WHITE SUPERCONTINUUM" AND "CONICAL EMISSION" OF FEMTOSECOND FILAMENTS IN BIREFRINGENT MEDIA. In *UKRAINIAN JOURNAL OF PHYSICS*. ISSN 2071-0186, 2016, vol. 61, no. 10, pp. 873-878., Registrované v: WOS
 2. [1.1] CHEN, Na - WANG, Tie-Jun - ZHU, Zhongbin - GUO, Hao - LIU, Yaoxiang - YIN, Fukang - SUN, Haiyi - LENG, Yuxin - LI, Ruxin. Laser ellipticity-dependent supercontinuum generation by femtosecond laser filamentation in air. In *OPTICS LETTERS*. ISSN 0146-9592, 2020, vol. 45, no. 16, pp. 4444-4447., Registrované v: WOS
 3. [1.1] LIU, Yaoxiang - WANG, Tie-Jun - CHEN, Na - GUO, Hao - SUN, Haiyi - ZHANG, Lu - QI, Zheng - LENG, Yuxin - WANG, Zhanshan - LI, Ruxin. Simultaneous generation of controllable double white light lasers by focusing an intense femtosecond laser pulse in air. In *CHINESE OPTICS LETTERS*. ISSN 1671-7694, 2020, vol. 18, no. 12, 121402., Registrované v: WOS
 4. [1.1] LI, Su-Yu - LI, Shu-Chang - SUI, Lai-Zhi - JIANG, Yuan-Fei - CHEN, An-Min - JIN, Ming-Xing. Contribution of nitrogen atoms and ions to the luminescence emission during femtosecond filamentation in air. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2016, vol. 93, no. 1, 013405., Registrované v: WOS
 5. [1.1] PANOV, Nikolay A. - SHIPILO, Daniil E. - ANDREEVA, Vera A. - KOSAREVA, Olga G. - SALETSKY, Alexander M. - XU, Huailiang - POLYNKIN, Pavel. Supercontinuum of a 3.9- μ m filament in air: Formation of a two-octave plateau and nonlinearly enhanced linear absorption. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2016, vol. 94, no. 4, 041801., Registrované v: WOS
 6. [1.1] PATWARDHAN, Gauri - GAO, Xiaohui - SAGIV, Amir -

DUTT, Avik - GINSBERG, Jared - DITKOWSKI, Adi - FIBICH, Gadi - GAETA, Alexander L. Loss of polarization of elliptically polarized collapsing beams. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2019, vol. 99, no. 3, 033824., Registrované v: WOS

7. [1.1] ROSTAMI, Shermineh - CHINI, Michael - LIM, Khan - PALASTRO, John P. - DURAND, Magali - DIELS, Jean-Claude - ARISSIAN, Ladan - BAUDELET, Matthieu - RICHARDSON, Martin. Dramatic enhancement of supercontinuum generation in elliptically-polarized laser filaments. In *SCIENTIFIC REPORTS*. ISSN 2045-2322, 2016, vol. 6, 20363, Registrované v: WOS

8. [1.1] WANG, Qiuyun - CHEN, Anmin - WANG, Ying - SUI, Laizhi - LI, Suyu - JIN, Mingxing. Spectral intensity clamping in linearly and circularly polarized femtosecond filament-induced Cu plasmas. In *JOURNAL OF ANALYTICAL ATOMIC SPECTROMETRY*. ISSN 0267-9477, 2018, vol. 33, no. 7, pp. 1154-1157., Registrované v: WOS

9. [1.1] ZHU, Zhongbin - WANG, Tie-Jun - LIU, Yaoliang - CHEN, Na - ZHANG, Huifang - SUN, Haiyi - GUO, Hao - ZHANG, Jianhao - ZHANG, Xuan - LI, Gengyu - LIU, Candong - ZENG, Zhinan - LIU, Jiansheng - CHIN, See Leang - LI, Ruxin - XU, Zhizhan. Polarization-dependent femtosecond laser filamentation in air. In *CHINESE OPTICS LETTERS*. ISSN 1671-7694, 2018, vol. 16, no. 7, 073201., Registrované v: WOS

ADCA626 KOLEŠÍK, Miroslav - SOBOLEV, B.P. Raman-scattering study of the BA1-XXF2+X superionic conductors. In *Solid State Ionics : diffusion and reactions*, 1991, vol. 47, no. 3 - 4, pp. 325 - 329. (1991 - Current Contents). ISSN 0167-2738. Dostupné na: [https://doi.org/10.1016/0167-2738\(91\)90255-A](https://doi.org/10.1016/0167-2738(91)90255-A)

Ohlasy:

1. [1.1] KRIEKE, Guna - SARAČOVSKIS, Anatolijs - IGNATANS, Reinis - GABRUSENOKS, Jevgenijs. Phase transitions and upconversion luminescence in oxyfluoride glass ceramics containing Ba₄Gd₃F₁₇ nanocrystals. In *JOURNAL OF THE EUROPEAN CERAMIC SOCIETY*. ISSN 0955-2219, 2017, vol. 37, no. 4, pp. 1713-1722., Registrované v: WOS

ADCA627 KOLEŠÍK, Miroslav - ŠAMAJ, Ladislav. Series expansion and cam study of the nonuniversal behavior of the symmetrical 16-vertex model. In *Journal of Statistical Physics*, 1993, vol. 72, no. 5-6, pp. 1203 - 1226. ISSN 0022-4715.

Ohlasy:

1. [1.1] ASSIS, Michael. The 16-vertex model and its even and odd 8-vertex subcases on the square lattice. In *JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL*. ISSN 1751-8113, 2017, vol. 50, no. 39, 395001., Registrované v: WOS

2. [1.1] KRCMAR, Roman - ŠAMAJ, Ladislav. Critical properties of the eight-vertex model in a field. In *EPL*. ISSN 0295-5075, 2016, vol. 115, no. 5, pp., Registrované v: WOS

ADCA628 KOLEŠÍK, Miroslav - ŠAMAJ, Ladislav. Solvable cases of the general spin-one ising-model on the honeycomb lattice. In *International Journal of Modern Physics B*, 1992, vol. 6, no. 9, p. 1529-1538. ISSN 0217-9792.

Ohlasy:

1. [1.1] ROJAS, Onofre. Geometrically frustrated Ising-Heisenberg spin

model on expanded Kagome lattice. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2019, vol. 473, pp. 442-448., Registrované v: WOS

ADCA629 KOLNÍK, Ján - IVANČO, Ján - OŽVOLD, Milan. Metal thin insulator silicon Schottky diodes with plasma deposited silicon-nitride interfacial layer. In *Physica Status Solidi A*, 1992, vol. 130, no. 1, p. 245-251. (1991: 0.490 - IF, Current Contents - CCC). (1992 - Current Contents). ISSN 0031-8965.

Ohlasy:

1. [1.1] CHOI, Myung-Jea - KIM, Myeong-Ho - CHOI, Duck-Kyun. A transparent diode with high rectifying ratio using amorphous indium-gallium-zinc oxide/SiNx coupled junction. In APPLIED PHYSICS LETTERS. ISSN 0003-6951, 2015, vol. 107, no. 5, 053501., Registrované v: WOS

ADCA630 KOLNIK, J. - OŽVOLD, Milan. The influence of inversion surface-layers on the evaluation of the interface state energy-distribution from Schottky-diode I-U characteristics. In *Materials Chemistry and Physics*, 1990, vol. 122, no. 2, p. 583-588. ISSN 0254-0584. Dostupné na: <https://doi.org/10.1002/pssa.2211220219>

Ohlasy:

1. [1.1] AFIFY, H. A. - EL-NAHASS, M. M. - GADALLAH, A.S. - KHEDR, M. Atta. Carrier transport mechanisms and photodetector characteristics of Ag/TiOPc/p-Si/Al hybrid heterojunction. In MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING. ISSN 1369-8001, 2015, vol. 39, pp. 324., Registrované v: WOS

2. [1.1] GAYEN, R. N. - BHATTACHARYYA, S. R. Electrical characteristics and rectification performance of wet chemically synthesized vertically aligned n-ZnO nanowire/p-Si heterojunction. In JOURNAL OF PHYSICS D-APPLIED PHYSICS. ISSN 0022-3727, 2016, vol. 49, no. 11, 115102., Registrované v: WOS

3. [1.1] KIM, Hogyoung - CHO, Yuna - JUNG, Chan Yeong - KIM, Se Hyun - KIM, Dong-Wook. Modulation of electrical properties in Cu/n-type InP Schottky junctions using oxygen plasma treatment. In SEMICONDUCTOR SCIENCE AND TECHNOLOGY. ISSN 0268-1242, 2015, vol. 30, no. 12, 125016., Registrované v: WOS

4. [1.1] LABED, Madani - SENGOUA, Nouredine - MEFTAH, Afak - LABED, Mohamed - KYOUNG, Sinsu - KIM, Hojoong - RIM, You Seung. Leakage Current Modelling and Optimization of beta-Ga2O3 Schottky Barrier Diode with Ni Contact under High Reverse Voltage. In ECS JOURNAL OF SOLID STATE SCIENCE AND TECHNOLOGY. ISSN 2162-8769, 2020, vol. 9, no. 12, 125001., Registrované v: WOS

5. [1.1] SINGH, Rohit - SHARMA, Pankaj - KHAN, Md Arif - GARG, Vivek - AWASTHI, Vishnu - KRANTI, Abhinav - MUKHERJEE, Shaibal. Investigation of barrier inhomogeneities and interface state density in Au/MgZnO: Ga Schottky contact. In JOURNAL OF PHYSICS D-APPLIED PHYSICS. ISSN 0022-3727, 2016, vol. 49, no. 44, 445303., Registrované v: WOS

ADCA631 KONIORCZYK, M. - VARGA, A. - RAPČAN, Peter - BUŽEK, Vladimír. Quantum homogenization and state randomization in semiquantal spin systems. In *Physical Review A*, 2008, vol. 77, no. 5, 052106. (2007: 2.893 - IF, Q1 - JCR, 2.524

- SJR, Q1 - SJR, Current Contents - CCC). (2008 - Current Contents). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.77.052106>

Ohlasy:

1. [1.1] FILIPPOV, S. N. - PILO, J. - MANISCALCO, S. - ZIMAN, M. Divisibility of quantum dynamical maps and collision models. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 96, no. 3, 032111., Registrované v: WOS
2. [1.1] FILIPPOV, S. N. - SEMIN, G. N. - PECHEN, A. N. Quantum master equations for a system interacting with a quantum gas in the low-density limit and for the semiclassical collision model. In PHYSICAL REVIEW A. ISSN 2469-9926, 2020, vol. 101, no. 1, 012114., Registrované v: WOS
3. [1.1] GRIMMER, Daniel - MANN, Robert B. - MARTIN-MARTINEZ, Eduardo. Thermal contact: mischief and time scales. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2019, vol. 52, no. 39, 395305., Registrované v: WOS

ADCA632 KONIORCZYK, M. - BUŽEK, Vladimír - ADAM, P. Simulation of generators of Markovian dynamics on programmable quantum processors. In *European Physical Journal D*, 2006, vol. 37, no. 2, p. 275-281. Dostupné na: <https://doi.org/10.1140/epjd/e2005-00286-2>

Ohlasy:

1. [1.1] MAHDIAN, Mahmoud - YEGANEH, H. Davoodi. Incoherent quantum algorithm dynamics of an open system with near-term devices. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2020, vol. 19, no. 9, 285., Registrované v: WOS
2. [1.1] MAHDIAN, M. - YEGANEH, H. Davoodi - DEHGHANI, A. Quantum simulation dynamics and circuit synthesis of FMO complex on an NMR quantum computer. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION. ISSN 0219-7499, 2020, vol. 18, no. 6, 2050034., Registrované v: WOS
3. [1.1] MAHDIAN, M. - YEGANEH, H. Davoodi. Quantum Simulation of FMO Complex Using One-Parameter Semigroup of Generators. In BRAZILIAN JOURNAL OF PHYSICS. ISSN 0103-9733, 2020, vol. 50, no. 6, pp. 807-813., Registrované v: WOS
4. [1.1] SWEKE, Ryan - SINAYSKIY, Ilya - BERNARD, Denis - PETRUCCIONE, Francesco. Universal simulation of Markovian open quantum systems. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 91, no. 6, 062308., Registrované v: WOS

ADCA633 KONIORCZYK, M. - BUŽEK, Vladimír - JANSZKY, J. Wigner-function description of quantum teleportation in arbitrary dimensions and continuous limit. In *Physical Review A*, 2001, vol. 64, no. 3, p. 034301. (2000: 2.684 - IF). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.64.034301>

Ohlasy:

1. [1.1] AVILA AOKI, Manuel. One-qubit purity in terms of the discrete Wigner transform. In CIENCIA ERGO-SUM. ISSN 1405-0269, 2020, vol. 27, no. 1, e77., Registrované v: WOS
2. [1.1] AVRON, J. E. - KENNETH, O. Teleportation for Septuagenarians. In JOURNAL OF STATISTICAL PHYSICS. ISSN 0022-4715, 2018, vol. 172, no. 2, pp. 555-561., Registrované v: WOS

3. [1.1] BRAASCH, William F. - WOOTTERS, William K. Transition probabilities and transition rates in discrete phase space. In PHYSICAL REVIEW A. ISSN 2469-9926, 2020, vol. 102, no. 5, 052204., Registrované v: WOS
4. [1.1] HUANG, Siendong. Dense coding and quantum teleportation using type III von Neumann algebras. In JOURNAL OF MATHEMATICAL PHYSICS. ISSN 0022-2488, 2019, vol. 60, no. 8, 082107., Registrované v: WOS
5. [1.1] HUANG, Siendong. Remote state preparation using Einstein-Podolsky-Rosen representations. In JOURNAL OF MATHEMATICAL PHYSICS. ISSN 0022-2488, 2018, vol. 59, no. 10, 102108., Registrované v: WOS
6. [1.1] RYU, Junghee - HONG, Sunghyuk - LEE, Joong-Sung - SEOL, Kang Hee - JAE, Jeongwoo - LIM, James - LEE, Jiwon - LEE, Kwang-Geol - LEE, Jinhyoung. Optical experiment to test negative probability in context of quantum-measurement selection. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2019, vol. 9, 19021., Registrované v: WOS

ADCA634 KONÔPKA, Martin - TURANSKÝ, Robert - REICHERT, Joachim - FUCHS, Harald - MARX, Dominik - ŠTICH, Ivan. Mechanochemistry and thermochemistry are different: stress-induced strengthening of chemical bonds. In *Physical Review Letters*, 2008, vol. 100, no. 11, 115503. (2007: 6.944 - IF, Q1 - JCR, 5.950 - SJR, Q1 - SJR, Current Contents - CCC). (2008 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.100.115503>

Ohlasy:

1. [1.1] BONU, Venkataramana - KUMAR, Niranjana - DAS, Arindam - DASH, Sitaram - TYAGI, Ashok Kumar. Enhanced Lubricity of SnO₂ Nanoparticles Dispersed Polyolester Nanofluid. In INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH. ISSN 0888-5885, 2016, vol. 55, no. 10, pp. 2696-2703., Registrované v: WOS
2. [1.1] BOSCOBINI, Alejandro - OLSON, Dustin - ADAMS, Heather - HOPPER, Nicholas - TYSOE, Wilfred T. Measuring and modelling mechanochemical reaction kinetics. In CHEMICAL COMMUNICATIONS. ISSN 1359-7345, 2020, vol. 56, no. 56, pp. 7730-7733., Registrované v: WOS
3. [1.1] BRUEGNER, Oliver - WALTER, Michael. Temperature and loading rate dependent rupture forces from universal paths in mechanochemistry. In PHYSICAL REVIEW MATERIALS. ISSN 2475-9953, 2018, vol. 2, no. 11, 113603., Registrované v: WOS
4. [1.1] FENG, Qianhua - ZHANG, Yuanyuan - ZHANG, Wanxia - HAO, Yongwei - WANG, Yongchao - ZHANG, Hongling - HOU, Lin - ZHANG, Zhenzhong. Programmed near-infrared light-responsive drug delivery system for combined magnetic tumor-targeting magnetic resonance imaging and chemo-phototherapy. In ACTA BIOMATERIALIA. ISSN 1742-7061, 2017, vol. 49, pp. 402-413., Registrované v: WOS
5. [1.1] HERNANDEZ, Jose G. - BOLM, Carsten. Altering Product Selectivity by Mechanochemistry. In JOURNAL OF ORGANIC CHEMISTRY. ISSN 0022-3263, 2017, vol. 82, no. 8, pp. 4007-4019., Registrované v: WOS
6. [1.1] HUANG, Wenmao - ZHU, Zhenshu - WEN, Jing - WANG, Xin - QIN, Meng - CAO, Yi - MA, Haibo - WANG, Wei. Single Molecule Study of Force-Induced Rotation of Carbon-Carbon Double Bonds in Polymers. In ACS NANO. ISSN 1936-0851, 2017, vol. 11, no. 1, pp. 194-203., Registrované v: WOS

WOS

7. [1.1] KULIK, Heather J. MODELING MECHANOCHEMISTRY FROM FIRST PRINCIPLES. In REVIEWS IN COMPUTATIONAL CHEMISTRY, VOL 31. ISSN 1069-3599, 2019, vol. 31, pp. 265-311., Registrované v: WOS
8. [1.1] MEJIA, Leopoldo - FRANCO, Ignacio. Force-conductance spectroscopy of a single-molecule reaction. In CHEMICAL SCIENCE. ISSN 2041-6520, 2019, vol. 10, no. 11, pp. 3249-3256., Registrované v: WOS
9. [1.1] SAMMON, Matthew S. - ONCAK, Milan - BEYER, Martin K. Theoretical simulation of the infrared signature of mechanically stressed polymer solids. In BEILSTEIN JOURNAL OF ORGANIC CHEMISTRY. ISSN 1860-5397, 2017, vol. 13, pp. 1710-1716., Registrované v: WOS
10. [1.1] STANCH, Tim - DREUW, Andreas. Advances in Quantum Mechanochemistry: Electronic Structure Methods and Force Analysis. In CHEMICAL REVIEWS. ISSN 0009-2665, 2016, vol. 116, no. 22, pp. 14137-14180., Registrované v: WOS
11. [1.1] TIMKO, Michael T. - MAAG, Alex R. - VENEGAS, Juan Mauricio - MCKEOGH, Brendan - YANG, Zhengyang - TOMPSETT, Geoffrey A. - ESCAPA, Simon - TOTO, Joseph - HECKLEY, Erin - GREENAWAY, Frederick T. Spectroscopic tracking of mechanochemical reactivity and modification of a hydrothermal char. In RSC ADVANCES. ISSN 2046-2069, 2016, vol. 6, no. 15, pp. 12021-12031., Registrované v: WOS
12. [1.1] WANG, Jin - GUO, Guang-Jun - HAN, Yuzhen - HOU, Quanlin - GENG, Ming - ZHANG, Zhengcai. Mechanochemical mechanisms of the fused aromatic rings of anthracite coal under shear stress. In FUEL. ISSN 0016-2361, 2019, vol. 253, pp. 1247-1255., Registrované v: WOS

ADCA635 KONÔPKA, M. - TURANSKÝ, Robert - DUBECKÝ, Matúš - MARX, D. - ŠTICH, Ivan. Molecular mechanochemistry understood at the nanoscale: Thiolate interfaces and junctions with copper surfaces and clusters. In *Journal of Physical Chemistry C*, 2009, vol. 113, no. 20, p. 8878-8887. (2008: 3.396 - IF, Q1 - JCR, 1.883 - SJR, Q1 - SJR, Current Contents - CCC). (2009 - Current Contents, WOS, SCOPUS). ISSN 1932-7447. Dostupné na: <https://doi.org/10.1021/jp9017025>

Ohlasy:

1. [1.1] ADAMS, Heather - MILLER, Brendan P. - FURLONG, Octavio J. - et al. Modeling Mechanochemical Reaction Mechanisms. In ACS APPLIED MATERIALS & INTERFACES. ISSN 1944-8244, 2017, vol. 9, no. 31, pp. 26531-26538., Registrované v: WOS
2. [1.1] KULIK, Heather J. MODELING MECHANOCHEMISTRY FROM FIRST PRINCIPLES. In REVIEWS IN COMPUTATIONAL CHEMISTRY, VOL 31. ISSN 1069-3599, 2019, vol. 31, pp. 265-311., Registrované v: WOS
3. [1.1] MEJIA, Leopoldo - FRANCO, Ignacio. Force-conductance spectroscopy of a single-molecule reaction. In CHEMICAL SCIENCE. ISSN 2041-6520, 2019, vol. 10, no. 11, pp. 3249-3256., Registrované v: WOS
4. [1.1] SAMMON, Matthew S. - ONCAK, Milan - BEYER, Martin K. Theoretical simulation of the infrared signature of mechanically stressed polymer solids. In BEILSTEIN JOURNAL OF ORGANIC CHEMISTRY. ISSN 1860-5397, 2017, vol. 13, pp. 1710-1716., Registrované v: WOS
5. [1.1] TYSOE, Wilfred. On Stress-Induced Tribochemical Reaction

Rates. In TRIBOLOGY LETTERS. ISSN 1023-8883, 2017, vol. 65, no. 2, 48.,
Registrované v: WOS

ADCA636 KOPANI, Martin** - MIKULA, Milan - KOSNAC, Daniel - VOJTEK, Pavol -
GREGUS, Jan - VAVRINSKY, Erik - JERGEL, Matej - PINČÍK, Emil. Effect of
etching time on structure of p-type porous silicon. In *Applied Surface Science*, 2018,
vol. 461, p. 44-47. (2017: 4.439 - IF, Q1 - JCR, 1.093 - SJR, Q1 - SJR, Current
Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 0169-4332.
Dostupné na: <https://doi.org/10.1016/j.apsusc.2018.04.228>

Ohlasy:

1. [1.1] BISWAS, Susmita - NANDI, Anupam - MUKHOPADHYAY, Sumita - CHAUDHURI, Partha - SAHA, Hiranmay - SYED, Minhaz Hossain. Mechanochemical synthesis of quasi monodispersed core-shell silicon nanostructure. In *APPLIED SURFACE SCIENCE*. ISSN 0169-4332, 2019, vol. 494, pp. 326-334., Registrované v: WOS
2. [1.1] CHAI, J. Y.H. - WONG, B. T. - JUODKAZIS, S. Black-silicon-assisted photovoltaic cells for better conversion efficiencies: a review on recent research and development efforts. In *MATERIALS TODAY ENERGY*. ISSN 2468-6069, 2020, vol. 18, 100539., Registrované v: WOS
3. [1.1] KOZHEMIKO, A. V. - SHEMUKHIN, A. A. - NAZAROV, A. V. - SPIVAK, Yu. M. - MURATOVA, E. N. - CHERNYSH, V. V. The Influence of the Energy of Ar⁺ Ion Implantation on the Photoluminescence of Porous Silicon. In *MOSCOW UNIVERSITY PHYSICS BULLETIN*. ISSN 0027-1349, 2020, vol. 75, no. 6, pp. 590-595., Registrované v: WOS
4. [1.1] LIN, Jia-Chuan - HUANG, Yu-Chen. Three-dimensional electrochemical etching by grid ditching for multi-wavelength visible-light emission on porous silicon. In *OPTICS EXPRESS*. ISSN 1094-4087, 2020, vol. 28, no. 22, pp. 32549-32555., Registrované v: WOS
5. [1.1] SHEVKUNOV, S. V. Water Vapor Nucleation on a Surface with Nanoscopic Grooves. 2. Features of Thermodynamic Behavior. In *COLLOID JOURNAL*. ISSN 1061-933X, 2019, vol. 81, no. 3, pp. 311-328., Registrované v: WOS
6. [1.1] XU, Junwen - LIU, Shuang - YANG, Yapei - LI, Jiacheng - TIAN, Chunhui - GUO, Lina - ZHANG, Shangjian - LIU, Yong - ZHONG, Zhiyong. Preparation of Porous Silicon by Electrochemical Etching Methods and its Morphological and Optical Properties. In *INTERNATIONAL JOURNAL OF ELECTROCHEMICAL SCIENCE*. ISSN 1452-3981, 2019, vol. 14, no. 6, pp. 5188-5199., Registrované v: WOS
7. [1.1] YANG, Li-Xia - CAO, Xue-Li - WU, Yun-Tao - CHEN, Shuo - XIE, Xiao-Chun - ZHU, Qi-Liang - WANG, Jun-Xia - QU, Jun-E - CHEN, Sen - ZHENG, Peng-Hua. Improvement of corrosion resistance and mechanism analysis for self-assembled vinyltriethoxysilane (VS) films on low carbon steel using a novel chemical etching method. In *CORROSION SCIENCE*. ISSN 0010-938X, 2020, vol. 177, 109002., Registrované v: WOS
8. [1.1] ZHOU, Yanbiao - QU, Kaige - ZHANG, Lihui - LIAO, Binghua. SUPERHYDROPHOBIC SILICON FABRICATED BY PHOSPHOMOLYBDIC ACID-ASSISTED ELECTROCHEMICAL ETCHING. In *QUIMICA NOVA*. ISSN 0100-4042, 2019, vol. 42, no. 7, pp. 792-796., Registrované v: WOS

ADCA637 KOPANI, M. - MIKULA, M. - PINČÍK, Emil. FT IR spectroscopy of silicon oxide and HfSiO_x layer formation. In *Applied Surface Science*, 2014, vol. 312, p. 117-119. (2013: 2.538 - IF, Q1 - JCR, 0.965 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents). ISSN 0169-4332. Dostupné na: <https://doi.org/10.1016/j.apsusc.2014.05.035>

Ohlasy:

1. [1.1] PAPEZ, Nikola - GAJDOS, Adam - SOBOLA, Dinara - DALLAEV, Rashid - MACKU, Robert - SKARVADA, Pavel - GRMELA, Lubomir. Effect of gamma radiation on properties and performance of GaAs based solar cells. In *APPLIED SURFACE SCIENCE*. ISSN 0169-4332, 2020, vol. 527, 146766., Registrované v: WOS
2. [1.1] YANG, Wen - FRONK, Michael - GENG, Yang - CHEN, Lin - SUN, Qing-Qing - GORDAN, Ovidiu D. - ZHOU, Peng - ZAHN, Dietrich R. T. - ZHANG, David Wei. Optical properties and bandgap evolution of ALD HfSiO_x films. In *NANOSCALE RESEARCH LETTERS*. ISSN 1931-7573, 2015, vol. 10, no., pp. 1-5., Registrované v: WOS

ADCA638 KOPANI, M. - MIKULA, M. - PINČÍK, Emil - KOBAYASHI, H. - TAKAHASHI, M. FT IR spectroscopy of nitric acid oxidation of silicon with hafnium oxide very thin layer. In *Applied Surface Science*, 2014, vol. 301, p. 24-27. (2013: 2.538 - IF, Q1 - JCR, 0.965 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents). ISSN 0169-4332. Dostupné na: <https://doi.org/10.1016/j.apsusc.2014.01.124>

Ohlasy:

1. [1.1] KAHRAMAN, Aysegul - YILMAZ, Ercan - AKTAG, Aliakber - KAYA, Senol. Evaluation of Radiation Sensor Aspects of Er₂O₃ MOS Capacitors under Zero Gate Bias. In *IEEE TRANSACTIONS ON NUCLEAR SCIENCE*. ISSN 0018-9499, 2016, vol. 63, no. 2, pp. 1284-1293., Registrované v: WOS
2. [1.1] MOLINA, Joel - TORRES, Reydezel - RANJAN, Alok - PEY, Kin-Leong. Resistive switching characteristics of MIM structures based on oxygen-variable ultra-thin HfO₂ and fabricated at low temperature. In *MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING*. ISSN 1369-8001, 2017, vol. 66, pp. 191-199., Registrované v: WOS
3. [1.1] ROUF, Tahrima B. - SCHMIDT, Gudrun - KOKINI, Jozef L. Zein-Laponite nanocomposites with improved mechanical, thermal and barrier properties. In *JOURNAL OF MATERIALS SCIENCE*. ISSN 0022-2461, 2018, vol. 53, no. 10, pp. 7387-7402., Registrované v: WOS
4. [1.1] YAN, Kai - YAO, Wenqing - ZHAO, Yuanyuan - YANG, Liping - CAO, Jiangli - ZHU, Yongfa. Oxygen vacancy induced structure change and interface reaction in HfO₂ films on native SiO₂/Si substrate. In *APPLIED SURFACE SCIENCE*. ISSN 0169-4332, 2016, vol. 390, pp. 260-265., Registrované v: WOS
5. [1.1] ZHANG, Xiao-Ying - HSU, Chia-Hsun - LIEN, Shui-Yang - WU, Wan-Yu - OU, Sin-Liang - CHEN, Song-Yan - HUANG, Wei - ZHU, Wen-Zhang - XIONG, Fei-Bing - ZHANG, Sam. Temperature-Dependent HfO₂/Si Interface Structural Evolution and its Mechanism. In *NANOSCALE RESEARCH LETTERS*. ISSN 1931-7573, 2019, vol. 14, 83., Registrované v: WOS

ADCA639 KOPANI, M. - MIKULA, M. - TAKAHASHI, M. - RUSNÁK, Jaroslav - PINČÍK, Emil. FT IR spectroscopy of silicon oxide layers prepared with perchloric acid. In *Applied Surface Science*, 2013, vol. 269, p. 106-109. (2012: 2.112 - IF, Q1 - JCR, 0.913 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 0169-4332. Dostupné na: <https://doi.org/10.1016/j.apsusc.2012.09.081>

Ohlasy:

1. [1.1] DE MELO BERNARDINO, R. - WIRTH, C. - STARES, S. L. - SALMORIA, G. V. - HOTZA, D. - GUENSTER, J. Manufacturing of SiO₂-Coated beta-TCP Structures by 3D Printing using a Preceramic Polymer as Printing Binder and Silica Source. In *JOURNAL OF CERAMIC SCIENCE AND TECHNOLOGY*. ISSN 2190-9385, 2018, vol. 9, no. 1, pp. 37-41., Registrované v: WOS
2. [1.1] DODEVSKI, Vladimir - PAGNACCO, Maja C. - RADOVIC, Ivana - ROSIC, Milena - JANKOVIC, Bojan - STOJMENOVIC, Marija - MITIC, Vojislav V. Characterization of silicon carbide ceramics obtained from porous carbon structure achieved by plant carbonization. In *MATERIALS CHEMISTRY AND PHYSICS*. ISSN 0254-0584, 2020, vol. 245, 122768., Registrované v: WOS
3. [1.1] CHEN, Weiyin - SALVATIERRA, Rodrigo V. - REN, Muqing - CHEN, Jinhang - STANFORD, Michael G. - TOUR, James M. Laser-Induced Silicon Oxide for Anode-Free Lithium Metal Batteries. In *ADVANCED MATERIALS*. ISSN 0935-9648, 2020, vol. 32, no. 33, 2002850., Registrované v: WOS
4. [1.1] CHEN, Xiaojing - SONG, Huiping - GUO, Yanxia - WANG, Li - CHENG, Fangqin. Converting waste coal fly ash into effective adsorbent for the removal of ammonia nitrogen in water. In *JOURNAL OF MATERIALS SCIENCE*. ISSN 0022-2461, 2018, vol. 53, no. 18, pp. 12731-12740., Registrované v: WOS
5. [1.1] LEE, C.Y. - DENG, S. - ZHANG, T. - CUI, X. - KHOO, K. T. - KIM, K. - HOEX, B. Evaluating the impact of thermal annealing on c-Si/Al₂O₃ interface: Correlating electronic properties to infrared absorption. In *AIP ADVANCES*. ISSN 2158-3226, 2018, vol. 8, no. 7, 075204., Registrované v: WOS
6. [1.1] LU, Lin-Rui - TANG, Gui-Mei - WANG, Yong-Tao - NG, Seik Weng. Luminescent behaviors of salts based on 2-phenyl-1H-benzimidazole. In *JOURNAL OF LUMINESCENCE*. ISSN 0022-2313, 2018, vol. 199, pp. 200-209., Registrované v: WOS
7. [1.1] REAL, C. - CORDOBA, Jose M. - ALCALA, Maria D. Synthesis and characterization of SiC/Si₃N₄ composites from rice husks. In *CERAMICS INTERNATIONAL*. ISSN 0272-8842, 2018, vol. 44, no. 12, pp. 14645-14651., Registrované v: WOS
8. [1.1] SHI, Shuanger - ZHAO, Yunyan - ZHANG, Zhiming - YU, Liangmin. Corrosion protection of a novel SiO₂@PANI coating for Q235 carbon steel. In *PROGRESS IN ORGANIC COATINGS*. ISSN 0300-9440, 2019, vol. 132, pp. 227-234., Registrované v: WOS
9. [1.1] TANG, Gui-Mei - WANG, Yong-Tao - NG, Seik Weng. Mediated luminescent properties of salts with 4-((1H-imidazol-1-yl)methyl) benzonitrile: Syntheses, crystal structures and properties. In *JOURNAL OF LUMINESCENCE*. ISSN 0022-2313, 2018, vol. 203, pp. 629-638., Registrované

v: WOS

10. [1.1] WANG, Yong-Tao - LU, Lin-Rui - TANG, Gui-Mei. Syntheses, crystal structures and luminescent properties of two salts with 2((1H-imidazol-1-yl)methyl)-1H-benzimidazole. In JOURNAL OF MOLECULAR STRUCTURE. ISSN 0022-2860, 2018, vol. 1156, pp. 156-163., Registrované v: WOS

11. [1.1] WANG, Yong-Tao - WU, Yu-Song - TANG, Gui-Mei. Controllable luminescent behaviors with pyrazine and benzimidazole groups: Syntheses, crystal structures and properties. In OPTICAL MATERIALS. ISSN 0925-3467, 2019, vol. 98, UNSP 109432., Registrované v: WOS

ADCA640 KOPÁNI, M. - MIKULA, M. - JERGEL, Matej - FALCONY, C. - ORTEGA, L. - PINČÍK, Emil. About an influence of Ar ion beam of very low energy on a-Si: H properties. In Vacuum, 2002, vol. 67, no. 1, p. 149-153.

Ohlasy:

1. [1.1] NEUMULLER, A.-SERGEEV, O.-VEHSE, M.-AGERT, C. Argon plasma treatment at the i/p-interface in silicon thin-film solar cells and its influence on the light induced degradation. In ENERGY PROCEDIA, 2015, vol. 84, p. 242-250., Registrované v: WOS

ADCA641 KOPÁNI, M. - PINČÍK, Emil - KOBAYASHI, H. - TAKAHASHI, M. - FUJIWARA, N. - BRUNNER, Róbert - JERGEL, Matej - ORTEGA, L. On a presence of SimHn clusters in a-Si:H/c-Si structures. In Applied Surface Science, 2006, vol. 252, no. 21, p. 7722-7725. (2005: 1.263 - IF, Q2 - JCR, 0.689 - SJR, Q1 - SJR, Current Contents - CCC). (2006 - Current Contents). ISSN 0169-4332.

Ohlasy:

1. [1.1] MIKOLASEK, Miroslav - RACKO, Juraj - HARMATHA, Ladislav. Analysis of low temperature output parameters for investigation of silicon heterojunction solar cells. In APPLIED SURFACE SCIENCE. ISSN 0169-4332, 2017, vol. 395, pp. 166-171., Registrované v: WOS

ADCA642 KORENKO, Michal - KUCHARÍK, Marián - OBOŇA, Jozef Vincenc - JANIČKOVIČ, Dušan - CORDOBA, R. - DE TERESA, J.M. - KUBÍKOVÁ, Blanka. Nanotubes made from deeply undercooled cryolite/alumina melts. In Helvetica Chimica Acta, 2008, vol. 91, pp. 1389-1399. (2007: 1.515 - IF, Q2 - JCR, 0.802 - SJR, Q2 - SJR).

Ohlasy:

1. [1.1] BOCA, M. - RAKHMATULLIN, A. - MLYNARIKOVA, J. - HADZIMOVA, E. - VASKOVA, Z. - MICUSIK, M. In DALTON TRANSACTIONS. 2015, vol. 44, no. 39, p. 17106-17117., Registrované v: WOS

ADCA643 KORENKO, Michal - KUCHARÍK, Marián - JANIČKOVIČ, Dušan. Rapid solidification processing in molten salts chemistry: X-ray analysis of deeply undercooled cryolite-alumina melts. In Chemical papers, 2008, vol. 62, no. 2, p. 219-222. (2007: 0.367 - IF, Q4 - JCR, 0.176 - SJR, Q2 - SJR, Current Contents - CCC). (2008 - Current Contents). ISSN 0366-6352. Dostupné na: <https://doi.org/10.2478/s11696-008-0014-2>

Ohlasy:

1. [1.1] LENZ, Stephan - SCHNEIDER, Hartmut - FISCHER, Reinhard X. Mullite-type Na_{0.67}Al₆O_{9.33} and a discussion of iota-alumina. In JOURNAL

OF THE EUROPEAN CERAMIC SOCIETY. ISSN 0955-2219, 2020, vol. 40, no. 12, pp. 4276-4280., Registrované v: WOS

2. [1.1] SCHNEIDER, Hartmut - FISCHER, Reinhard X. - SCHREUER, Juergen. Mullite: Crystal Structure and Related Properties. In JOURNAL OF THE AMERICAN CERAMIC SOCIETY. ISSN 0002-7820, 2015, vol. 98, no. 10, pp. 2948., Registrované v: WOS

ADCA644 KORNICH, V. - STAŇO, Peter - ZYUZIN, A.A. - LOSS, D. Voltage-induced conversion of helical to uniform nuclear spin polarization in a quantum wire. In *Physical Review B*, 2015, vol. 91, no. 19, 195423. (2014: 3.736 - IF, Q1 - JCR, 0.123 - SJR, Q4 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.91.195423>

Ohlasy:

1. [1.1] WU, Xiao-Guang. Electron-Elastic-Wave Interaction in a Two-Dimensional Topological Insulator. In CHINESE PHYSICS LETTERS. ISSN 0256-307X, 2016, vol. 33, no. 2, 027303., Registrované v: WOS

ADCA645 KORYTÁR, Dušan** - ZÁPRAŽNÝ, Zdenko - FERRARI, C. - FRIGERI, C. - JERGEL, Matej - MATKO, Igor - KEČKÉŠ, Jozef. Cross-sectional TEM study of subsurface damage in SPDT machining of germanium optics. In *Applied Optics*, 2018, vol. 57, p. 1940-1943. (2017: 1.791 - IF, Q3 - JCR, 0.715 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 0003-6935. Dostupné na: <https://doi.org/10.1364/AO.57.001940>

Ohlasy:

1. [1.1] MAKSAKOVA, Olga - WEBSTER, Richard F. - TILLEY, Richard D. - IVASHCHENKO, Volodymyr I. - POSTOLNYI, Bogdan O. - BONDAR, Oleksandr - TAKEDA, Yoshihiko - ROGOZ, Vladyslav M. - SAKENOVA, Rimma E. - ZUKOWSKI, Pawel - OPIELAK, Marek - BERESNEV, Vyacheslav M. - POGREBNJAK, Alexander D. Nanoscale architecture of (CrNiZrN)/(CrZr) nanocomposite coatings: Microstructure, composition, mechanical properties and first-principles calculations. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2020, vol. 831, 154808., Registrované v: WOS

2. [1.1] XU, Jing - TAYLOR, Lauren - QIAO, Jie - POMERANTZ, Michael - LAMBROPOULOS, John C. Subsurface damage measurement of single crystal germanium and borosilicate glass BK-7. In OPTIFAB 2019. ISSN 0277-786X, 2019, vol. 11175, UNSP 1117508., Registrované v: WOS

3. [1.2] GENG, Ruiwen - YANG, Xiaojin - XIE, Qiming - XIAO, Jianguo - LI, Rui. Surface Deformation Mechanism of Monocrystalline Germanium Based on Nano-Scratch Experiment. In Xiyou Jinshu/Chinese Journal of Rare Metals. ISSN 02587076, 2020-08-01, 44, 8, pp. 850-859., Registrované v: SCOPUS

4. [1.2] SHAHINIAN, Hossein - NAVARE, Jayesh - BODLAPATI, Charan - ZAYTSEV, Dmytro - KANG, Di - MOHAMMADI, Hossein - ARLT, Megan - RAVINDRA, Deepak. High speed micro laser assisted machining of single crystal germanium. In Proceedings 34th ASPE Annual Meeting, 2019, pp. 319-324., Registrované v: SCOPUS

5. [1.2] ZHAO, Li Dong - CUI, Qing Feng - MAO, Shan - ZHAO, Yuan Ming - PIAO, Ming Xu - HU, Yang. Effect on Diffraction Efficiency of

Diffractive Optics with Consideration of Surface Roughness. In Guangzi Xuebao/Acta Photonica Sinica. ISSN 10044213, 2018-08-01, 47, 8, pp., Registrované v: SCOPUS

6. [1.2] ZHAO, Qizhi - ZHANG, Lei - HAN, Yanjun - FAN, Cheng. Polishing path generation for physical uniform coverage of the aspheric surface based on the Archimedes spiral in bonnet polishing. In Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture. ISSN 09544054, 2019, vol. 233, no. 12, pp. 2251-2263., Registrované v: SCOPUS

ADCA646 KORYTÁR, Dušan - VAGOVIČ, Patrik - VÉGSO, Karol - ŠIFFALOVÍČ, Peter - DOBROČKA, Edmund - JARK, W. - ÁČ, V. - ZÁPRAŽNÝ, Zdenko - FERRARI, C. - CECILIA, A. - HAMANN, E. - MIKULÍK, P. - BAUMBACH, T. - FIEDERLE, M. - JERGEL, Matej. Potential use of V-channel Ge(220) monochromators in X-ray metrology and imaging. In *Journal of Applied Crystallography*, 2013, vol. 46, p. 945-952. (2012: 3.343 - IF, Q1 - JCR, 2.580 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 0021-8898. Dostupné na: <https://doi.org/10.1107/S0021889813006122>

Ohlasy:

1. [1.1] HIRANO, T. - OSAKA, T. - SANO, Y. - INUBUSHI, Y. - MATSUYAMA, S. - TONO, K. - ISHIKAWA, T. - YABASHI, M. - YAMAUCHI, K. Development of speckle-free channel-cut crystal optics using plasma chemical vaporization machining for coherent x-ray applications. In REVIEW OF SCIENTIFIC INSTRUMENTS. JUN 2016, vol. 87, no. 6., Registrované v: WOS

ADCA647 KOSCHNY, Th. - MARKOŠ, Peter - ECONOMOU, E.N. - SMITH, D.R. - VIER, D.C. - SOUKOULIS, C.M. Impact of inherent periodic structure on effective medium description of left-handed and related metamaterials. In *Physical Review B*, 2005, vol. 71, no. 24, 245105. (2004: 3.075 - IF, Current Contents - CCC). (2005 - Current Contents). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.71.245105>

Ohlasy:

1. [1.1] ADAMS, Wyatt - SADATGOL, Mehdi - GUNEY, Durdu O. Review of near-field optics and superlenses for sub-diffraction-limited nano-imaging. In AIP ADVANCES. ISSN 2158-3226, 2016, vol. 6, no. 10, 100701., Registrované v: WOS

2. [1.1] AMIRI, Majid - TOFIGH, Farzad - SHARIATI, Negin - LIPMAN, Justin - ABOLHASAN, Mehran. Wide-angle metamaterial absorber with highly insensitive absorption for TE and TM modes. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2020, vol. 10, no. 1, 13638., Registrované v: WOS

3. [1.1] ANOKHIN, M. N. - TISHCHENKO, A. A. - STRIKHANOV, M. N. Dielectric permittivity of artificial periodic structure and local field effects. In 2ND INTERNATIONAL SCHOOL AND CONFERENCE SAINT-PETERSBURG OPEN ON OPTOELECTRONICS, PHOTONICS, ENGINEERING AND NANOSTRUCTURES (SPBOPEN2015). ISSN 1742-6588, 2015, vol. 643, 012066., Registrované v: WOS

4. [1.1] ASKARI, M. - ZAKERY, A. Effects of multi-layer stacking along the propagation direction of an infrared metamaterial on the

- electromagnetic response of the structure. In OPTIK. ISSN 0030-4026, 2016, vol. 127, no. 3, pp. 1408-1413., Registrované v: WOS
5. [1.1] BIN ASHRAF, Farhad - ALAM, Touhidul - KIBRIA, Salehin - ISLAM, Mohammad Tariqul. A compact meander line elliptic split ring resonator based metamaterial for electromagnetic shielding. In MATERIALS EXPRESS. ISSN 2158-5849, 2018, vol. 8, no. 2, pp. 133-140., Registrované v: WOS
 6. [1.1] BI, Ke - ZENG, Lingyu - CHEN, Hao - FANG, Chang - WANG, Qingmin - LEI, Ming. Magnetic coupling effect of Mie resonance-based metamaterial with inclusion of split ring resonators. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2015, vol. 646, pp. 680., Registrované v: WOS
 7. [1.1] CAO, Cheng - CHEN, Lei - ZHU, Zhongbo - YANG, Yanbin - HUANGFU, Jiangtao - QIAO, Shan - YE, Dexin. Homogenization of artificial media with a transmission line approach. In APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING. ISSN 0947-8396, 2020, vol. 126, no. 3., Registrované v: WOS
 8. [1.1] FANG, Bo - CHEN, Lin - JING, Xufeng. Electromagnetic dipole resonant characteristics of all-dielectric one dimensional grating in terahertz region. In OPTIK. ISSN 0030-4026, 2018, vol. 171, pp. 130-138., Registrované v: WOS
 9. [1.1] FANG, Bo - CHEN, Yujie - LI, Chenxia - JING, Xufeng. Design of multiband isotropic ultrahigh refractive index metamaterials in the terahertz region. In JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS. ISSN 1454-4164, 2018, vol. 20, no. 7-8, pp. 371-378., Registrované v: WOS
 10. [1.1] GANDJI, N. P. - SEMOUCHKIN, G. B. - SEMOUCHKINA, E. All-dielectric metamaterials: irrelevance of negative refraction to overlapped Mie resonances. In JOURNAL OF PHYSICS D-APPLIED PHYSICS. ISSN 0022-3727, 2017, vol. 50, no. 45, 455104., Registrované v: WOS
 11. [1.1] GENG TAO - WANG YAN - WANG XIN - DONG XIANG-MEI. Effective medium theory of two-dimensional photonic crystal for transverse electric mode beyond the long-wavelength limit. In ACTA PHYSICA SINICA. ISSN 1000-3290, 2015, vol. 64, no. 15, 154210., Registrované v: WOS
 12. [1.1] GHOLIPUR, Reza - BAHARI, Ali. Effect of electric field on the dielectric and magnetic properties of random nanocomposites. In MATERIALS & DESIGN. ISSN 0261-3069, 2016, vol. 94, no., pp. 139-147., Registrované v: WOS
 13. [1.1] GHOLIPUR, Reza - BAHARI, Ali. Synthesis and investigating of electrical, magnetical, optical and morphology properties of semicontinuous metallic nanostructures. In OPTICAL AND QUANTUM ELECTRONICS. ISSN 0306-8919, 2016, vol. 48, no. 1, 37., Registrované v: WOS
 14. [1.1] GHOLIPUR, Reza - BAHARI, Ali. Experimental and theoretical investigation of gigahertz nano-metamaterial. In MATERIALS CHEMISTRY AND PHYSICS. ISSN 0254-0584, 2016, vol. 180, no., pp. 135-143., Registrované v: WOS
 15. [1.1] GHOLIPUR, Reza - BAHARI, Ali. Tunability of negative permittivity and permeability of Ag/Zr_{0.9}Ni_{0.1}O_y nanocomposites with morphology. In ELECTRONIC MATERIALS LETTERS. ISSN 1738-8090, 2017, vol. 13, no. 2, pp. 179-183., Registrované v: WOS
 16. [1.1] CHENG, Y. - ZHOU, C. - YUAN, B. G. - WU, D. J. - WEI, Q. -

- LIU, X. J. Ultra-sparse metasurface for high reflection of low-frequency sound based on artificial Mie resonances. In NATURE MATERIALS. ISSN 1476-1122, 2015, vol. 14, no. 10, pp. 1013., Registrované v: WOS
17. [1.1] CHEN, F. - SEMOUCHKINA, E. Negative Refraction in Arrays of Identical Dielectric Resonators. In 2015 31st International Review of Progress in Applied Computational Electromagnetics (ACES) Vol 31, 2015, pp., Registrované v: WOS
18. [1.1] CHEN, Xu - FAN, Wen-Hui. Plasmon-induced transparency in terahertz planar metamaterials. In OPTICS COMMUNICATIONS. ISSN 0030-4018, 2015, vol. 356, pp. 84., Registrované v: WOS
19. [1.1] IQBAL, N. - CHOUDHURY, P. K. Scattering due to twisted PEC cylinder coated with chiral/chiroferrite mediums. In OPTIK. ISSN 0030-4026, 2016, vol. 127, no. 17, pp. 7030-7039., Registrované v: WOS
20. [1.1] JIANG, Li - FANG, Bo - YAN, Zhigang - FAN, Jing - QI, Cenke - LIU, Jianjun - HE, Yingwei - LI, Chenxia - JING, Xufeng - GAN, Haiyong - HONG, Zhi. Terahertz high and near-zero refractive index metamaterials by double layer metal ring microstructure. In OPTICS AND LASER TECHNOLOGY. ISSN 0030-3992, 2020, vol. 123, 105949., Registrované v: WOS
21. [1.1] JING, Xufeng - WANG, Weimin - XIA, Rui - ZHAO, Jingyin - TIAN, Ying - HONG, Zhi. Manipulation of dual band ultrahigh index metamaterials in the terahertz region. In APPLIED OPTICS. ISSN 1559-128X, 2016, vol. 55, no. 31, pp. 8743-8751., Registrované v: WOS
22. [1.1] JING, Xufeng - XIA, Rui - WANG, Weimin - TIAN, Ying - HONG, Zhi. Determination of the effective constitutive parameters of bianisotropic planar metamaterials in the terahertz region. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA A-OPTICS IMAGE SCIENCE AND VISION. ISSN 1084-7529, 2016, vol. 33, no. 5, pp. 954-961., Registrované v: WOS
23. [1.1] LIU, Xiang - MA, Yating - ZHANG, Qinfu - ZHENG, Zhiming - WANG, Lai-Sen - PENG, Dong-Liang. Facile synthesis of Fe₃O₄/C composites for broadband microwave absorption properties. In APPLIED SURFACE SCIENCE. ISSN 0169-4332, 2018, vol. 445, pp. 82-88., Registrované v: WOS
24. [1.1] MADSEN, Sabrina L. - BOBOWSKI, Jake S. The Complex Permeability of Split-Ring Resonator Arrays Measured at Microwave Frequencies. In IEEE TRANSACTIONS ON MICROWAVE THEORY AND TECHNIQUES. ISSN 0018-9480, 2020, vol. 68, no. 8, pp. 3547-3557., Registrované v: WOS
25. [1.1] MAGALHAES AFONSO, Rubens Junqueira - HARROP GALVAO, Roberto Kawakami - KIENITZ, Karl Heinz - ALYAMI, Hashem - BECERRA, Victor M. - HADJILOUCAS, Sillas. Constrained pre-equalization accounting for multi-path fading emulated using large RC networks: applications to wireless and photonics communications. In OPTICAL AND QUANTUM ELECTRONICS. ISSN 0306-8919, 2016, vol. 48, no. 7, 364., Registrované v: WOS
26. [1.1] MIN, Li - HUANG, Lirong. Perspective on resonances of metamaterials. In OPTICS EXPRESS. ISSN 1094-4087, 2015, vol. 23, no. 15, pp. 19022., Registrované v: WOS
27. [1.1] ROHDE, Ulrich L. - PODDAR, Ajay K. Mobius Metamaterial

- Inspired Signal Sources and Sensors. In MICROWAVE JOURNAL. ISSN 0192-6225, 2016, vol. 59, no. 6, pp. 60-94., Registrované v: WOS
28. [1.1] SADATGOL, Mehdi - RAHMAN, Mahfuzur - FORATI, Ebrahim - LEVY, Miguel - GUENEY, Durdu O. Enhanced Faraday rotation in hybrid magneto-optical metamaterial structure of bismuth-substituted-iron-garnet with embedded-gold-wires. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2016, vol. 119, no. 10, 103105., Registrované v: WOS
29. [1.1] SARKHEL, Abhishek - MITRA, Debasis - CHAUDHURI, Sekhar Ranjan Bhadra. A compact metamaterial with multi-band negative-index characteristics. In APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING. ISSN 0947-8396, 2016, vol. 122, no. 4, 471., Registrované v: WOS
30. [1.1] SHI, Yan - LI, Zhi-Yi - LI, Long - LIANG, Chang-Hong. An electromagnetic parameters extraction method for metamaterials based on phase unwrapping technique. In WAVES IN RANDOM AND COMPLEX MEDIA. ISSN 1745-5030, 2016, vol. 26, no. 4, pp. 417-433., Registrované v: WOS
31. [1.1] SONG, Jian - WANG, Lili - LI, Minhua - DONG, Jianfeng. A dual-band metamaterial absorber with adjacent absorption peaks. In JOURNAL OF PHYSICS D-APPLIED PHYSICS. ISSN 0022-3727, 2018, vol. 51, no. 38, 385105., Registrované v: WOS
32. [1.1] TIANLEI - MAYIN - LIUZHIGANG. Teaching Reform of Web Page Design Based on Computer Vision. In PROCEEDINGS OF THE 2016 4TH INTERNATIONAL EDUCATION, ECONOMICS, SOCIAL SCIENCE, ARTS, SPORTS AND MANAGEMENT ENGINEERING CONFERENCE (IEESASM 2016). ISSN 2352-5428, 2016, vol. 22, no., pp. 201-206., Registrované v: WOS
33. [1.1] VAN BELLE, Lucas - CLAEYS, Claus - DECKERS, Elke - DESMET, Wim. The impact of damping on the sound transmission loss of locally resonant metamaterial plates. In JOURNAL OF SOUND AND VIBRATION. ISSN 0022-460X, 2019, vol. 461, UNSP 114909., Registrované v: WOS
34. [1.1] WANG, Guanqi - ZHANG, Xianbin - WEI, Xuyan. Tunable Plasmon-Induced Transparency through Bright Mode Resonator in a Metal-Graphene Terahertz Metamaterial. In APPLIED SCIENCES-BASEL, 2020, vol. 10, no. 16, 5550., Registrované v: WOS
35. [1.1] WANG, Mengqi - LIN, Ying - LIU, Yiran - YANG, Haibo. Core-shell structure BaFe₁₂O₁₉@PANI composites with thin matching thickness and effective microwave absorption properties. In JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS. ISSN 0957-4522, 2019, vol. 30, no. 15, pp. 14344-14354., Registrované v: WOS
36. [1.1] WANG, Xiao-Zhi - ZHU, Hong-hui - LIU, Zhi-gang. Numerical study a broad low-loss pass-band optical metamaterials filter through tailoring dispersion. In OPTICS COMMUNICATIONS. ISSN 0030-4018, 2017, vol. 395, no., pp. 236-240., Registrované v: WOS
37. [1.1] WANG, Zhongzhu - BI, Hong - WANG, Min - WANG, Peihong - LIU, Xiansong. High microwave permittivity and resonance-antiresonance electromagnetic behaviors of flake-shaped cobalt microcrystals. In MATERIALS CHEMISTRY AND PHYSICS. ISSN 0254-0584, 2015, vol. 159, pp. 173., Registrované v: WOS
38. [1.1] XIAO, Meng - HUANG, Xueqin - FANG, Anan - CHAN, C. T. Effective impedance for predicting the existence of surface states. In PHYSICAL

REVIEW B. ISSN 2469-9950, 2016, vol. 93, no. 12, 125118., Registrované v: WOS

39. [1.1] XU YA-WEN - XU JING-CHENG. Design and experimentally measure a high performance metamaterial filter. In INFRARED PHYSICS & TECHNOLOGY. ISSN 1350-4495, 2018, vol. 89, pp. 398-402., Registrované v: WOS

40. [1.1] XU, Yicai - WU, Jiu Hui - MA, Fuyin. Extracting method of dynamic effective parameters for plate-type elastic metamaterials with decentralized resonant mass. In APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING. ISSN 0947-8396, 2018, vol. 124, no. 12, 865., Registrované v: WOS

41. [1.1] YANNOPAPAS, Vassilios. Binary alloy of virus capsids and gold nanoparticles as a Mie-resonance-based optical metamaterial. In SOLID STATE COMMUNICATIONS. ISSN 0038-1098, 2015, vol. 204, pp. 51., Registrované v: WOS

42. [1.1] ZHANG, Chengyao - WANG, Yue - YAO, Yuan - TIAN, Ling - GENG, Zhaoxin - YANG, Yuqiang - JIANG, Jiuxing - HE, Xunjun. Active control of electromagnetically induced transparency based on terahertz hybrid metal-graphene metamaterials for slow light applications. In OPTIK. ISSN 0030-4026, 2020, vol. 200, 163398., Registrované v: WOS

43. [1.1] ZHANG, Xu - ADAMS, Wyatt - GUNEY, Durdu O. Analytical description of inverse filter emulating the plasmon injection loss compensation scheme and implementation for ultrahigh-resolution hyperlens. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS. ISSN 0740-3224, 2017, vol. 34, no. 6, pp. 1310-1318., Registrované v: WOS

44. [1.1] ZHANG, Xu - DEBNATH, Sanjoy - GUENEY, Durdu Oe. Hyperbolic metamaterial feasible for fabrication with direct laser writing processes. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS. ISSN 0740-3224, 2015, vol. 32, no. 6, pp. 1013., Registrované v: WOS

45. [1.1] ZHANG, Xu - USI, Elvis - KHAN, Suhail K. - SADATGOL, Mehdi - GUENEY, Durdu Oe. Extremely Sub-Wavelength Negative Index Metamaterial. In PROGRESS IN ELECTROMAGNETICS RESEARCH-PIER. ISSN 1559-8985, 2015, vol. 152, pp. 95., Registrované v: WOS

46. [1.1] ZHAO, Jingyin - JING, Xufeng - WANG, Weimin - TIAN, Ying - ZHU, Dongshuo - SHI, Guohua. Steady method to retrieve effective electromagnetic parameters of bianisotropic metamaterials at one incident direction in the terahertz region. In OPTICS AND LASER TECHNOLOGY. ISSN 0030-3992, 2017, vol. 95, no., pp. 56-62., Registrované v: WOS

47. [1.1] ZHAO, Qian - XIAO, Zongqi - ZHANG, Fuli - MA, Junming - QIAO, Ming - MENG, Yonggang - LAN, Chuwen - LI, Bo - ZHOU, Ji - ZHANG, Peng - SHEN, Nian-Hai - KOSCHNY, Thomas - SOUKOULIS, Costas M. Tailorable Zero-Phase Delay of Subwavelength Particles toward Miniaturized Wave Manipulation Devices. In ADVANCED MATERIALS. ISSN 0935-9648, 2015, vol. 27, no. 40, pp. 6187., Registrované v: WOS

48. [1.1] ZHONG, Min. Experimental and numerical study of a broad pass-band low-loss optical metamaterials filter. In OPTICAL MATERIALS. ISSN 0925-3467, 2015, vol. 47, pp. 62., Registrované v: WOS

49. [1.1] ZHONG, M. - YE, Y. H. Experimental and numerical study of a broad pass-band resonant optical metamaterials filter. In OPTICS

COMMUNICATIONS. ISSN 0030-4018, 2015, vol. 349, pp. 42., Registrované v: WOS

50. [1.1] ZHONG, M. - YE, Y. H. Numerical demonstration of compound structure broad pass-band optical metamaterial filter. In APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING. ISSN 0947-8396, 2015, vol. 119, no. 2, pp. 639., Registrované v: WOS

ADCA648 KOSCHNY, T. - MARKOŠ, Peter - SMITH, D.R. - SOUKOULIS, C.M. Reply to comments on "resonant and antiresonant frequency dependence of the effective parameters of metamaterials". In *Physical Review E*, 2004, vol. 70, no. 4, 048603. (2003: 2.202 - IF, Current Contents - CCC). (2004 - Current Contents, SCOPUS). ISSN 2470-0045. Dostupné na: <https://doi.org/10.1103/PhysRevE.70.048603>

Ohlasy:

1. [1.1] DILTS, James - SIAHMAKOUN, Azad - ALISAFABEE, Hossein. Multilayer hyperbolic metamaterial based on alternating TiO₂/Cu layers. In PHOTONIC AND PHONONIC PROPERTIES OF ENGINEERED NANOSTRUCTURES IX. ISSN 0277-786X, 2019, vol. 10927, UNSP 1092711., Registrované v: WOS

2. [1.1] CHEN, Jiangwei - WANG, Ruiqi - LV, Xiaoyun. The handedness and classification of materials. In OPTIK. ISSN 0030-4026, 2015, vol. 126, no. 24, pp. 4960., Registrované v: WOS

3. [1.1] ITOH, Morimichi - YAMAMOTO, Shinichiro - HATAKEYAMA, Kenichi. Experimental Study of the Properties of Metamaterials Using Broadside-Coupled Split Ring Resonators. In 2018 JOINT IEEE INTERNATIONAL SYMPOSIUM ON ELECTROMAGNETIC COMPATIBILITY AND 2018 IEEE ASIA-PACIFIC SYMPOSIUM ON ELECTROMAGNETIC COMPATIBILITY (EMC/APEMC), 2018, pp. 277-282., Registrované v: WOS

4. [1.1] ZHANG, Kai-Lun - HOU, Zhi-Ling - KONG, Ling-Bao - FANG, Hui-Min - ZHAN, Ke-Tao. Origin of Negative Imaginary Part of Effective Permittivity of Passive Materials. In CHINESE PHYSICS LETTERS. ISSN 0256-307X, 2017, vol. 34, no. 9, 097701., Registrované v: WOS

ADCA649 KOSCHNY, T. - MARKOŠ, Peter - SMITH, D.R. - SOUKOULIS, C.M. Resonant and antiresonant frequency dependence of the effective parameters of metamaterials. In *Physical Review E*, 2003, vol. 68, no. 6, 065602. (2002: 2.397 - IF, Current Contents - CCC). (2003 - Current Contents, SCOPUS). ISSN 2470-0045. Dostupné na: <https://doi.org/10.1103/PhysRevE.68.065602>

Ohlasy:

1. [1.1] AKMANSOY, Eric - MARCELLIN, Simon. Negative index and mode coupling in all-dielectric metamaterials at terahertz frequencies. In EPJ APPLIED METAMATERIALS. ISSN 2272-2394, 2018, vol. 5, 10., Registrované v: WOS

2. [1.1] ALADADI, Yosef T. - ALKANHAL, Majeed A. S. Extraction of metamaterial constitutive parameters based on data-driven discontinuity detection. In OPTICAL MATERIALS EXPRESS. ISSN 2159-3930, 2019, vol. 9, no. 9, pp. 3765-3780., Registrované v: WOS

3. [1.1] ALAVIKIA, Babak - KABIRI, Ali - RAMAHI, Omar M. Poynting theorem constraints on the signs of the imaginary parts of the electromagnetic constitutive parameters. In JOURNAL OF THE OPTICAL

- SOCIETY OF AMERICA A-OPTICS IMAGE SCIENCE AND VISION. ISSN 1084-7529, 2015, vol. 32, no. 4, pp. 522., Registrované v: WOS
4. [1.1] ANDRYIEUSKI, A. - KUZNETSOVA, S. M. - LAVRINENKO, A. V. Applicability of point-dipoles approximation to all-dielectric metamaterials. In PHYSICAL REVIEW B. ISSN 2469-9950, 2015, vol. 92, no. 3, 035114., Registrované v: WOS
 5. [1.1] BELHAJJI, Mounir - SAYOURI, Salaheddine - NFISSI, Aziz - LAMCHARFI, Taj-dine. Effect of the occupation of Pb and Ti sites on the structural, microstructural and dielectric properties of Y-doped PbTiO₃ samples. In JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS. ISSN 0957-4522, 2019, vol. 30, no. 17, pp. 16065-16079., Registrované v: WOS
 6. [1.1] BOBOWSKI, J. S. Probing split-ring resonator permeabilities with loop-gap resonators. In CANADIAN JOURNAL OF PHYSICS. ISSN 0008-4204, 2018, vol. 96, no. 8, pp. 878-886., Registrované v: WOS
 7. [1.1] BURGNIES, L. - LHEURETTE, E. - LIPPENS, D. Textile inspired flexible metamaterial with negative refractive index. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2015, vol. 117, no. 14, 144506., Registrované v: WOS
 8. [1.1] CAO, Cheng - CHEN, Lei - ZHU, Zhongbo - YANG, Yanbin - HUANGFU, Jiangtao - QIAO, Shan - YE, Dexin. Homogenization of artificial media with a transmission line approach. In APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING. ISSN 0947-8396, 2020, vol. 126, no. 3., Registrované v: WOS
 9. [1.1] COHEN, Doron - SHAVIT, Reuven. Bi-anisotropic Metamaterials Effective Constitutive Parameters Extraction Using Oblique Incidence S-Parameters Method. In IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION. ISSN 0018-926X, 2015, vol. 63, no. 5, pp. 2071., Registrované v: WOS
 10. [1.1] DILTS, James - SIAHMAKOUN, Azad - ALISAFABEE, Hossein. Multilayer hyperbolic metamaterial based on alternating TiO₂/Cu layers. In PHOTONIC AND PHONONIC PROPERTIES OF ENGINEERED NANOSTRUCTURES IX. ISSN 0277-786X, 2019, vol. 10927, UNSP 1092711., Registrované v: WOS
 11. [1.1] DIRDAL, Christopher A. - SKAAR, Johannes. Diamagnetism and the dispersion of the magnetic permeability. In EUROPEAN PHYSICAL JOURNAL B. ISSN 1434-6028, 2018, vol. 91, no. 6, 131., Registrované v: WOS
 12. [1.1] EMIROGLU, Caglar D. - KWON, Do-Hoon. Design and Realization of Virtual Line Source Using Metamaterials. In IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION. ISSN 0018-926X, 2016, vol. 64, no. 12, pp. 5220-5229., Registrované v: WOS
 13. [1.1] FAKHERI, Mohammad Hosein - ABDOLALI, Ali. Application of transformation optics in radar cross section reduction of targets with arbitrary two-dimensional geometries. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2019, vol. 125, no. 23, 234901., Registrované v: WOS
 14. [1.1] FANG, Wei - LI, Gao-Xiang - XU, Jingping - YANG, Yaping. Enhancement of long-distance Casimir-Polder interaction between an excited atom and a cavity made of metamaterials. In OPTICS EXPRESS. ISSN 1094-4087, 2019, vol. 27, no. 26, pp. 37753-37770., Registrované v: WOS
 15. [1.1] FENG, Jing - LI, Zongbin - LI, Dong - YANG, Bo - LI, Lingwei - ZHAO, Xiang - ZUO, Liang. Enhanced electromagnetic wave absorption

- properties of Ni₂MnGa microparticles due to continuous dual-absorption peaks. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2020, vol. 816, 152588., Registrované v: WOS
16. [1.1] FIRESTEIN, Chen - SHAVIT, Reuven. Effective electrical parameters evaluation for non-dispersive metamaterials with highly interaction fields. In IET MICROWAVES ANTENNAS & PROPAGATION. ISSN 1751-8725, 2019, vol. 13, no. 8, pp. 1151-1157., Registrované v: WOS
17. [1.1] GAO, Xi - YU, Fa Long - CAI, Cheng Lin - GUAN, Chun Ying - SHI, Jin Hui - HU, Fangrong. Terahertz metamaterial with broadband and low-dispersion high refractive index. In OPTICS LETTERS. ISSN 0146-9592, 2020, vol. 45, no. 17, pp. 4754-4757., Registrované v: WOS
18. [1.1] GHOLIPUR, Reza - BAHARI, Ali. Experimental and theoretical investigation of gigahertz nano-metamaterial. In MATERIALS CHEMISTRY AND PHYSICS. ISSN 0254-0584, 2016, vol. 180, no., pp. 135-143., Registrované v: WOS
19. [1.1] GOMEZ-GRANA, S. - LE BEULZE, A. - TREGUER-DELAPIERRE, M. - MORNET, S. - DUGUET, E. - GRANA, E. - CLOUTET, E. - HADZHOANNOU, G. - LENG, J. - SALMON, J.B. - KRAVETS, V. G. - GRIGORENKO, A. N. - PEYYETY, N. A. - PONSINET, V. - RICHETTI, P. - BARON, A. - TORRENT, D. - BAROIS, P. Hierarchical self-assembly of a bulk metamaterial enables isotropic magnetic permeability at optical frequencies. In MATERIALS HORIZONS. ISSN 2051-6347, 2016, vol. 3, no. 6, pp. 596-601., Registrované v: WOS
20. [1.1] GRALAK, Boris. Negative index materials: at the frontier of macroscopic electromagnetism. In COMPTES RENDUS PHYSIQUE. ISSN 1631-0705, 2020, vol. 21, no. 4-5, pp. 343-366., Registrované v: WOS
21. [1.1] GRIC, Tatjana - HESS, Ortwin. Active Optical Metamaterials. In PHENOMENA OF OPTICAL METAMATERIALS, 2019, pp. 187-261., Registrované v: WOS
22. [1.1] GU, Hongbo - XU, Xiaojian - DONG, Mengyao - XIE, Peitao - SHAO, Qian - FAN, Runhua - LIU, Chuntai - WU, Shide - WEI, Renbo - GUO, Zhanhu. Carbon nanospheres induced high negative permittivity in nanosilver-polydopamine metacomposites. In CARBON. ISSN 0008-6223, 2019, vol. 147, pp. 550-558., Registrované v: WOS
23. [1.1] HEIN, Sven M. - GIESSEN, Harald. Retardation-induced phase singularities in coupled plasmonic oscillators. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 91, no. 20, 205402., Registrované v: WOS
24. [1.1] HOU, Zheyu - TANG, Tingting - SHEN, Jian - LI, Chaoyang - LI, Fuyu. Prediction Network of Metamaterial with Split Ring Resonator Based on Deep Learning. In NANOSCALE RESEARCH LETTERS. ISSN 1931-7573, 2020, vol. 15, no. 1, 83., Registrované v: WOS
25. [1.1] HUANG, Jing - GUI, Mingxiang. Effect of resistance on effective parameter of LCR-circuit Metamaterials. In JOURNAL OF OPTICS-INDIA. ISSN 0970-0374, 2018, vol. 47, no. 4, pp. 437-444., Registrované v: WOS
26. [1.1] HUANG, Xu - JIA, Kun - LIU, Xiaobo. Titanium Dioxide/Multi-Walled Carbon Nanotube Heterostructure Containing Single One Carbon Nanotube and Its Electromagnetic Properties. In NANO. ISSN 1793-2920, 2015, vol. 10, no. 7, 1550102., Registrované v: WOS
27. [1.1] HUANG, Xu - WANG, Kai - JIA, Kun - LIU, Xiaobo.

- Preparation of TiO₂-MWCNT core/shell heterostructures containing a single MWCNT and their electromagnetic properties. In COMPOSITE INTERFACES. ISSN 0927-6440, 2015, vol. 22, no. 5, pp. 343., Registrované v: WOS
28. [1.1] HU, Chuandeng - WU, Xiaoxiao - TONG, Rui - WANG, Li - HUANG, YingZhou - WANG, Shuxia - HOU, Bo - WEN, Weijia. A metasurface with bidirectional hyperbolic surface modes and position-sensing applications. In NPG ASIA MATERIALS. ISSN 1884-4049, 2018, vol. 10, pp. 417-428., Registrované v: WOS
29. [1.1] CHEN, Fu - LUO, Hui - CHENG, Yongzhi - LIU, Jieliang - WANG, Xian - GONG, Rongzhou. Fe/Fe₃O₄@N-Doped Carbon Hexagonal Plates Decorated with Ag Nanoparticles for Microwave Absorption. In ACS APPLIED NANO MATERIALS. ISSN 2574-0970, 2019, vol. 2, no. 11, pp. 7266-7278., Registrované v: WOS
30. [1.1] CHEN, Tianyi - TANG, Wenxuan - MU, Jing - CUI, Tie Jun. Microwave Metamaterials. In ANNALEN DER PHYSIK. ISSN 0003-3804, 2019, vol. 531, no. 8, 1800445., Registrované v: WOS
31. [1.1] CHEN, Yulu - HSUEH, Yu-Chun - MAN, Mengren - WEBB, Kevin J. Enhanced and tunable resolution from an imperfect negative refractive index lens. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS. ISSN 0740-3224, 2016, vol. 33, no. 3, pp. 445-451., Registrované v: WOS
32. [1.1] ITOH, Morimichi - YAMAMOTO, Shinichiro - HATAKEYAMA, Kenichi. Experimental Study of the Properties of Metamaterials Using Broadside-Coupled Split Ring Resonators. In 2018 JOINT IEEE INTERNATIONAL SYMPOSIUM ON ELECTROMAGNETIC COMPATIBILITY AND 2018 IEEE ASIA-PACIFIC SYMPOSIUM ON ELECTROMAGNETIC COMPATIBILITY (EMC/APEMC), 2018, pp. 277-282., Registrované v: WOS
33. [1.1] JEON, Jiyeon - BHATTARAI, Khagendra - KIM, Deok-Kee - KIM, Jun Oh - URBAS, Augustine - LEE, Sang Jun - KU, Zahyun - ZHOU, Jiangfeng. A Low-loss Metasurface Antireflection Coating on Dispersive Surface Plasmon Structure. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2016, vol. 6, 36190., Registrované v: WOS
34. [1.1] JING, Xufeng - XIA, Rui - WANG, Weimin - TIAN, Ying - HONG, Zhi. Determination of the effective constitutive parameters of bianisotropic planar metamaterials in the terahertz region. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA A-OPTICS IMAGE SCIENCE AND VISION. ISSN 1084-7529, 2016, vol. 33, no. 5, pp. 954-961., Registrované v: WOS
35. [1.1] KARAMANOS, Theodosios - KANTARTZIS, Nikolaos. Polarizability matrix retrieval of a non-planar chiral particle through scattering parameters. In APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING. ISSN 0947-8396, 2016, vol. 122, no. 4, 378., Registrované v: WOS
36. [1.1] KARAMANOS, Theodosios - ZYGIRIDIS, Theodoros - KANTARTZIS, Nikolaos. Homogenization of 3D metamaterial particle arrays for oblique propagation via a point-dipole analysis star. In EUROPEAN PHYSICAL JOURNAL-APPLIED PHYSICS. ISSN 1286-0042, 2020, vol. 91, no. 2, 20902., Registrované v: WOS
37. [1.1] KHUSAYFAN, Najla M. - KHANFAR, Hazem K. Properties of

- Hf-Doped Bi_{1.5}Zn_{0.92}Nb_{1.5}O_{6.92} Ceramic Varicaps. In IEEE TRANSACTIONS ON ELECTRON DEVICES. ISSN 0018-9383, 2016, vol. 63, no. 1, pp. 471-475., Registrované v: WOS
38. [1.1] KISHOR, Kamal - BAITHA, Monu Nath - SINHA, R. K. Design and simulation of "I" shaped split ring resonator metamaterial at optical communication window around 1.55 μ m. In OPTIK. ISSN 0030-4026, 2015, vol. 126, no. 23, pp. 4708., Registrované v: WOS
39. [1.1] KOMINIS, Yannis - CHOQUETTE, Kent D. - BOUNTIS, Anastasios - KOVANIS, Vassilios. Antiresonances and Ultrafast Resonances in a Twin Photonic Oscillator. In IEEE PHOTONICS JOURNAL. ISSN 1943-0655, 2019, vol. 11, no. 1, 1500209., Registrované v: WOS
40. [1.1] KOURTZANIDIS, Konstantinos - PEDERSON, Dylan M. - RAJA, Laxminarayan L. Electromagnetic wave energy flow control with a tunable and reconfigurable coupled plasma split-ring resonator metamaterial: A study of basic conditions and configurations. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2016, vol. 119, no. 20, 204904., Registrované v: WOS
41. [1.1] LEPETIT, Thomas - KANTE, Boubacar. Cramer-Rao bounds for determination of electric and magnetic susceptibilities in metasurfaces. In OPTICS EXPRESS. ISSN 1094-4087, 2015, vol. 23, no. 3, pp. 3460., Registrované v: WOS
42. [1.1] LIU, R. G. - LI, Y. X. - LI, C. H. - WANG, J. Y. - WANG, Z. H. - ZHANG, Y. H. - QI, F. - ZHANG, X. F. High performance microwave absorption through multi-scale metacomposite by integrating Ni@C nanocapsules with millimetric polystyrene sphere. In JOURNAL OF PHYSICS D-APPLIED PHYSICS. ISSN 0022-3727, 2018, vol. 51, no. 36, 365303., Registrované v: WOS
43. [1.1] LIU, Song-Hua - GUO, Li-Xin - LI, Jun-Cheng. Left-handed metamaterials based on only modified circular electric resonators. In JOURNAL OF MODERN OPTICS. ISSN 0950-0340, 2016, vol. 63, no. 21, pp. 2220-2225., Registrované v: WOS
44. [1.1] LI, Z. - DING, X. - LI, F., et al. Enhanced dielectric loss induced by the doping of SiC in thick defective graphitic shells of Ni@C nanocapsules with ash-free coal as carbon source for broadband microwave absorption. In JOURNAL OF PHYSICS D-APPLIED PHYSICS. 2017, vol. 50, no. 44, 445305., Registrované v: WOS
45. [1.1] MADSEN, Sabrina L. - BOBOWSKI, Jake S. The Complex Permeability of Split-Ring Resonator Arrays Measured at Microwave Frequencies. In IEEE TRANSACTIONS ON MICROWAVE THEORY AND TECHNIQUES. ISSN 0018-9480, 2020, vol. 68, no. 8, pp. 3547-3557., Registrované v: WOS
46. [1.1] MAGISETTY, RaviPrakash - RAJ, Arockia Bazil - DATAR, Suwarna - SHUKLA, Anuj - KANDASUBRAMANIAN, Balasubramanian. Nanocomposite engineered carbon fabric-mat as a passive metamaterial for stealth application. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2020, vol. 848, 155771., Registrované v: WOS
47. [1.1] MNASRI, Karim - KHRABUSTOVSKYI, Andrii - PLUM, Michael - ROCKSTUHL, Carsten. Retrieving effective material parameters of metamaterials characterized by nonlocal constitutive relations. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 99, no. 3, 035442., Registrované v:

WOS

48. [1.1] NGUYEN THANH TUNG. Comment on "Analysis of single-layer metamaterial absorber with reflection theory" [J. Appl. Phys. 117, 154906 (2015)]. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2016, vol. 119, no. 9, 096101., Registrované v: WOS
49. [1.1] OTSUKA, Akihiro - SHIMIZU, Yasuhiro - SAITO, Gunzi - MAESATO, Mitsuhiko - KISWANDHI, Andhika - HIRAMATSU, Takaaki - YOSHIDA, Yukihiro - YAMOUCHI, Hideki - TSUCHIIZU, Masahisa - NAKAMURA, Yuto - KISHIDA, Hideo - ITO, Hiroshi. Canting Antiferromagnetic Spin-Order ($T_N=102$ K) in a Monomer Mott Insulator (ET)Ag-4(CN)(5) with a Diamond Spin-Lattice. In BULLETIN OF THE CHEMICAL SOCIETY OF JAPAN. ISSN 0009-2673, 2020, vol. 93, no. 2, pp. 260-272., Registrované v: WOS
50. [1.1] PANDIT, Soumen - MOHAN, Akhilesh - RAY, Priyadip. Dual-band negative-permittivity metamaterial using crossed loop resonator. In APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING. ISSN 0947-8396, 2019, vol. 125, no. 6, 414., Registrované v: WOS
51. [1.1] PAPADAKIS, Georgia T. - YEH, Pochi - ATWATER, Harry A. Retrieval of material parameters for uniaxial metamaterials. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 91, no. 15, 155406., Registrované v: WOS
52. [1.1] PAPADAKIS, Georgia T. - FLEISCHMAN, Dagny - DAVOYAN, Artur - YEH, Pochi - ATWATER, Harry A. Optical magnetism in planar metamaterial heterostructures. In NATURE COMMUNICATIONS. ISSN 2041-1723, 2018, vol. 9, 296., Registrované v: WOS
53. [1.1] PAPADAKIS, Georgia T. - DAVOYAN, Artur - YEH, Pochi - ATWATER, Harry A. Mimicking surface polaritons for unpolarized light with high-permittivity materials. In PHYSICAL REVIEW MATERIALS. ISSN 2475-9953, 2019, vol. 3, no. 1, 015202., Registrované v: WOS
54. [1.1] POLLEY, Debanjan - HAGSTROEM, Nanna Zhou - SCHMISING, Clemens von Korff - EISEBITT, Stefan - BONETTI, Stefano. Terahertz magnetic field enhancement in an asymmetric spiral metamaterial. In JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS. ISSN 0953-4075, 2018, vol. 51, no. 22, 224001., Registrované v: WOS
55. [1.1] QASRAWI, Atef F. - KHANFAR, Hazem K. - GASANLY, N. M. MgO/GaSe_{0.5}S_{0.5} Heterojunction as Photodiodes and Microwave Resonators. In IEEE SENSORS JOURNAL. ISSN 1530-437X, 2016, vol. 16, no. 3, pp. 670-674., Registrované v: WOS
56. [1.1] RIZWAN, Muhammad - MAHMOOD, Tariq - RAFIQUE, H. M. - TANVEER, M. - HAIDER, Syed Fawad. Design of a negative refractive index material based on numerical simulation. In CHINESE JOURNAL OF PHYSICS. ISSN 0577-9073, 2016, vol. 54, no. 4, pp. 587-591., Registrované v: WOS
57. [1.1] SAKAI, Osamu - IWAI, Akinori - OMURA, Yoshiharu. Invariance of parameter identification in multiscales of meta-atoms in metamaterials. In ADVANCES IN PHYSICS-X. ISSN 2374-6149, 2018, vol. 3, no. 1, UNSP 1433551., Registrované v: WOS
58. [1.1] SHI, Yunan - CHEN, Jiali - DAI, Ji - QIU, Jun. Frequency selective absorbing property of nanoring-shaped polyaniline with broadband

absorption. In JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS. ISSN 0957-4522, 2020, vol. 31, no. 4, pp. 3622-3630., Registrované v: WOS

59. [1.1] SIDDIKY, Air Mohammad - FARUQUE, Mohammad Rashed Iqbal - ISLAM, Mohammad Tariqul. Double H-shaped complementary split ring resonator with different orientations for quad-band satellite applications. In RESULTS IN PHYSICS. ISSN 2211-3797, 2020, vol. 19, 103427., Registrované v: WOS

60. [1.1] SINDLER, M. - KADLEC, C. - DOMINEC, F. - KUZEL, P. - ELISSALDE, C. - KASSAS, A. - LESSEUR, J. - BERNARD, D. - MOUNAIX, P. - NEMEC, H. Bulk magnetic terahertz metamaterials based on dielectric microspheres. In OPTICS EXPRESS. ISSN 1094-4087, 2016, vol. 24, no. 16, pp. 18340-18345., Registrované v: WOS

61. [1.1] SINGH, Leena - SINGH, Ranjan - ZHANG, Weili. Ultra-high terahertz index in deep subwavelength coupled bi-layer free-standing flexible metamaterials. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2017, vol. 121, no. 23, 233103., Registrované v: WOS

62. [1.1] SRIVASTAVA, A. Elastic metamaterials and dynamic homogenization . In INTERNATIONAL JOURNAL OF SMART AND NANO MATERIALS, 2015, vol. 6, p. 41., Registrované v: WOS

63. [1.1] SUZUKI, Takehito - ASADA, Harumi. Reflectionless zero refractive index metasurface in the terahertz waveband. In OPTICS EXPRESS. ISSN 1094-4087, 2020, vol. 28, no. 15, pp. 21509-21521., Registrované v: WOS

64. [1.1] SUZUKI, Takehito - ENDO, Kota - KONDOH, Satoshi. Terahertz metasurface ultra-thin collimator for power enhancement. In OPTICS EXPRESS. ISSN 1094-4087, 2020, vol. 28, no. 15, pp. 22165-22178., Registrované v: WOS

65. [1.1] TAN, Siyu - YAN, Fengping - SINGH, Leena - CAO, Wei - XU, Ningning - HU, Xiang - SINGH, Ranjan - WANG, Mingwei - ZHANG, Weili. Terahertz metasurfaces with a high refractive index enhanced by the strong nearest neighbor coupling. In OPTICS EXPRESS. ISSN 1094-4087, 2015, vol. 23, no. 22, pp. 29222., Registrované v: WOS

66. [1.1] TAN, Thomas C. W. - PLUM, Eric - SINGH, Ranjan. Lattice-Enhanced Fano Resonances from Bound States in the Continuum Metasurfaces. In ADVANCED OPTICAL MATERIALS. ISSN 2195-1071, 2020, vol. 8, no. 6, 1901572., Registrované v: WOS

67. [1.1] TARQUINI, E. - BIROLI, G. - TARZIA, M. Critical properties of the Anderson localization transition and the high-dimensional limit. In PHYSICAL REVIEW B, 2017, vol. 95, no. 9, 094204., Registrované v: WOS

68. [1.1] TIWARI, D. C. - DIPAK, Pukhrambam - DWIVEDI, Shailendra K. - SHAMI, T. C. - DWIVEDI, Prabhat. PPy/TiO₂(np)/CNT polymer nanocomposite material for microwave absorption. In JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS. ISSN 0957-4522, 2018, vol. 29, no. 2, pp. 1643-1650., Registrované v: WOS

69. [1.1] TIWARI, Nilesh Kumar - SINGH, Surya Prakash - AKHTAR, M. Jaleel. Near field planar microwave probe sensor for nondestructive condition assessment of wood products. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2018, vol. 123, no. 22, 224502., Registrované v: WOS

70. [1.1] TRANG, Frank - ROGALLA, Horst - POPOVIC, Zoya. Effective Constitutive Parameters of High-Temperature Superconducting

Split-Ring Resonator Arrays. In IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY. ISSN 1051-8223, 2015, vol. 25, no. 1, 1800107., Registrované v: WOS

71. [1.1] WANG, Haoran - WAN, Lei - CHEN, Yaqiong - HU, Wenbin - LIU, Lei - ZHONG, Cheng - DENG, Yida. Fabrication and microwave absorbing properties of Ni₂P nanotubes. In JOURNAL OF PHYSICS D-APPLIED PHYSICS. ISSN 0022-3727, 2015, vol. 48, no. 21, 215002., Registrované v: WOS

72. [1.1] WANG, Haoran - WAN, Lei - ZHANG, Jinfeng - CHEN, Yaqiong - HU, Wenbin - LIU, Lei - ZHONG, Cheng - DENG, Yida. Enhanced microwave absorbing properties of surface-modified Co-Ni-P nanotubes. In MATERIALS LETTERS. ISSN 0167-577X, 2016, vol. 169, no., pp. 193-196., Registrované v: WOS

73. [1.1] WANG, Chun - ZHU, Zhongbo - CUI, Wanzhao - YANG, Yanbin - RAN, Lixin - YE, Dexin. All-angle Brewster effect observed on a terahertz metasurface. In APPLIED PHYSICS LETTERS. ISSN 0003-6951, 2019, vol. 114, no. 19, 191902., Registrované v: WOS

74. [1.1] WANG, Wei-Chih - CHANG, Chang-Ling. Tunable terahertz filter using PDLC fishnet metamaterial. In TERAHERTZ, RF, MILLIMETER, AND SUBMILLIMETER-WAVE TECHNOLOGY AND APPLICATIONS XI. ISSN 0277-786X, 2018, vol. 10531, 1053112., Registrované v: WOS

75. [1.1] WANG, Zhongzhu - BI, Hong - WANG, Min - WANG, Peihong - LIU, Xiansong. High microwave permittivity and resonance-antiresonance electromagnetic behaviors of flake-shaped cobalt microcrystals. In MATERIALS CHEMISTRY AND PHYSICS. ISSN 0254-0584, 2015, vol. 159, pp. 173., Registrované v: WOS

76. [1.1] WAN, Lei - ZHANG, Jinfeng - CHEN, Yaqiong - WANG, Haoran - HU, Wenbin - LIU, Lei - DENG, Yida. Preparation, characterization and microwave absorbing properties of nano-sized yolk-in-shell Ni-P nanospheres. In JOURNAL OF PHYSICS D-APPLIED PHYSICS. ISSN 0022-3727, 2015, vol. 48, no. 35, 355302., Registrované v: WOS

77. [1.1] WU, Niandu - LIU, Xianguo - ZHAO, Chengyun - CUI, Caiyun - GUO, Junjie. Transform between the permeability and permittivity in Ni@C-C-NbC nanocomposites with enhanced microwave absorption properties. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2016, vol. 685, no., pp. 50-57., Registrované v: WOS

78. [1.1] XIONG, Jiang - HU, Yifeng - MAO, Shuman - ZHANG, Weiquan - XIAO, Shaoqiu - WANG, Bing-Zhong. Agile Beamwidth Control and Directivity Enhancement for Aperture Radiation With Low-Profile Metasurfaces. In IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION. ISSN 0018-926X, 2018, vol. 66, no. 3, pp. 1528-1533., Registrované v: WOS

79. [1.1] XU, Su - LIU, Jian-Bin - WANG, Hao - SU, Ci-Kang - SUN, Hong-Bo. Three-dimensional metacrystals with a broadband isotropic diamagnetic response and an all-angle negative index of refraction. In OPTICS LETTERS. ISSN 0146-9592, 2019, vol. 44, no. 4, pp. 927-930., Registrované v: WOS

80. [1.1] XU, Xiaofei - HUANG, Qianling - DENG, Xiao - WANG, Yefang. Electric megahertz metamaterials designed with deep subwavelength multilayered meander line resonators. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2019, vol. 125, no. 19, 194902., Registrované v: WOS

81. [1.1] XU, Xiaofei - WANG, Yefang - WEI, Juzheng. A compact metamaterial structure with dual-planar meander line (DML) patterns. In JOURNAL OF PHYSICS D-APPLIED PHYSICS. ISSN 0022-3727, 2018, vol. 51, no. 12, 125305., Registrované v: WOS
82. [1.1] YOO, SeokJae - LEE, Suyeon - CHOE, Jong-Ho - PARK, Q-Han. Causal homogenization of metamaterials. In NANOPHOTONICS. ISSN 2192-8606, 2019, vol. 8, no. 6, pp. 1063-1069., Registrované v: WOS
83. [1.1] ZHANG, Kai-Lun - HOU, Zhi-Ling - KONG, Ling-Bao - FANG, Hui-Min - ZHAN, Ke-Tao. Origin of Negative Imaginary Part of Effective Permittivity of Passive Materials. In CHINESE PHYSICS LETTERS. ISSN 0256-307X, 2017, vol. 34, no. 9, 097701., Registrované v: WOS
84. [1.1] ZHANG, Xu - DEBNATH, Sanjoy - GUENEY, Durdu Oe. Hyperbolic metamaterial feasible for fabrication with direct laser writing processes. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS. ISSN 0740-3224, 2015, vol. 32, no. 6, pp. 1013., Registrované v: WOS
85. [1.1] ZHONG, M. - YE, Y. H. Experimental and numerical study of a broad pass-band resonant optical metamaterials filter. In OPTICS COMMUNICATIONS. ISSN 0030-4018, 2015, vol. 349, pp. 42., Registrované v: WOS
86. [1.2] AO, Tianhong - XU, Xiangdong - GU, Yu - CHEN, Zhegeng - JIANG, Yadong - LI, Xinrong - LIAN, Yuxiang - WANG, Fu - HE, Qiong - CHEN, Zexiang - ZHOU, Jun. Terahertz band-pass filters based on fishnet metamaterials fabricated on free-standing SiN₂/SiO₂ membrane. In Optics Communications. ISSN 00304018, 2017-12-15, vol. 405, pp. 22-28., Registrované v: SCOPUS
87. [1.2] BHATTARAI, Khagendra - SILVA, Sinhara - SONG, Kun - URBAS, Augustine - LEE, Sang Jun - KU, Zahyun - ZHOU, Jiangfeng. Metamaterial Perfect Absorber Analyzed by a Meta-cavity Model Consisting of Multilayer Metasurfaces. In Scientific Reports, 2017-12-01, vol. 7, no. 1, 10569., Registrované v: SCOPUS
88. [1.2] GANDJI, N. P. - SEMOUCHKIN, G. B. - SEMOUCHKINA, E. All-dielectric metamaterials: Irrelevance of negative refraction to overlapped Mie resonances. In Journal of Physics D: Applied Physics. ISSN 00223727, 2017-10-20, vol. 50, no. 45, 455104., Registrované v: SCOPUS
89. [1.2] GHOLIPUR, Reza - BAHARI, Ali. Tunability of negative permittivity and permeability of Ag/Zr_{0.9}Ni_{0.1}O₂ nanocomposites with morphology. In Electronic Materials Letters. ISSN 17388090, 2017-03-01, vol. 13, no. 2, pp. 179-183., Registrované v: SCOPUS
90. [1.2] GHOLIPUR, Reza - BAHARI, Ali. Alignment of Ag nanoparticles by an external electric field proposed for metamaterial applications. In Current Applied Physics. ISSN 15671739, 2017-07-01, vol. 17, no. 7, pp. 989-998., Registrované v: SCOPUS
91. [1.2] GUO, Li - TANG, Ming Chun - LI, Mei - XIONG, Han - ZENG, Xiaoping - ZENG, Qingsheng. Bandwidth enhancement of dual-layer patch antenna using low mutual-coupling near-field resonant parasitic elements. In Microwave and Optical Technology Letters. ISSN 08952477, 2017-01-01, vol. 59, no. 1, pp. 180-186., Registrované v: SCOPUS
92. [1.2] HAN, Dandan - OR, Siu Wing - DONG, Xiaorui - LIU, Bao. FeS₂/defective onion-like carbon core-shell structured nanocapsules for

- high-frequency microwave absorption. In *Journal of Alloys and Compounds*. ISSN 09258388, 2017-02-25, vol. 695, pp. 2605-2611., Registrované v: SCOPUS
93. [1.2] HE, Yuchu - ELEFThERIADES, George V. Anisotropic Metamaterial as an Antireflection Layer at Extreme Angles. In *IEEE Transactions on Antennas and Propagation*. ISSN 0018926X, 2017-08-01, vol. 65, no. 8, pp. 4102-4114., Registrované v: SCOPUS
94. [1.2] CHAKYAR, Sreedevi P. - K. SIMON, Sikha - BINDU, C. - ANDREWS, Jolly - JOSEPH, V. P. Complex permittivity measurement using metamaterial split ring resonators. In *Journal of Applied Physics*. ISSN 00218979, 2017-02-07, vol. 121, no. 5, 054101., Registrované v: SCOPUS
95. [1.2] JING, Xufeng - GUI, Xincui - XIA, Rui - HONG, Zhi. Ultrabroadband Unnaturally High Effective Refractive Index Metamaterials in the Terahertz Region. In *IEEE Photonics Journal*. ISSN 19430655, 2017-02-01, vol. 9, no. 1, 5900107., Registrované v: SCOPUS
96. [1.2] SIECK, Caleb F. - ALÙ, Andrea - HABERMAN, Michael R. Origins of Willis coupling and acoustic bianisotropy in acoustic metamaterials through source-driven homogenization. In *Physical Review B*. ISSN 24699950, 2017-09-11, vol. 96, no. 10, 104303., Registrované v: SCOPUS
97. [1.2] SZABO, Zsolt. Closed Form Kramers-Kronig Relations to Extract the Refractive Index of Metamaterials. In *IEEE Transactions on Microwave Theory and Techniques*. ISSN 00189480, 2017-04-01, vol. 65, no. 4, pp. 1150-1159., Registrované v: SCOPUS
98. [1.2] WANG, Zhi Yu - QIU, Jin Peng - CHEN, Hua - MO, Jiong Jiong - YU, Fa Xin. Retrieval of high-order susceptibilities of nonlinear metamaterials. In *Chinese Physics B*. ISSN 16741056, 2017-08-01, vol. 26, no. 9, 094207., Registrované v: SCOPUS
99. [1.2] YADAV, Ambica - MOHANTY, Sovan. Metamaterial based triangular electromagnetic multi-resonant antenna. In *Proceedings 2016 International Conference on Micro-Electronics and Telecommunication Engineering, ICMETE 2016*, 2017-06-05, pp. 18-22., Registrované v: SCOPUS
100. [1.2] YEH, Ting Tso - HUANG, Tsung Yu - TANAKA, Takuo - YEN, Ta Jen. Demonstration of a Three-dimensional Negative Index Medium Operated at Multiple-angle Incidences by Monolithic Metallic Hemispherical Shells. In *Scientific Reports*, 2017-04-07, vol. 7, 45549., Registrované v: SCOPUS
101. [1.2] YE, Dexin - CAO, Cheng - ZHOU, Tianyi - HUANGFU, Jiangtao - ZHENG, Guoan - RAN, Lixin. Observation of reflectionless absorption due to spatial Kramers-Kronig profile. In *Nature Communications*, 2017-12-01, vol. 8, no. 1., Registrované v: SCOPUS

ADCA650 KOSIK, J. - MISZCZAK, J.A. - BUŽEK, Vladimír. Quantum Parrondo's game with random strategies. In *Journal of Modern Optics*, 2007, vol. 54, no. 13-15, p. 2275-2287. (2006: 1.189 - IF, Q2 - JCR, 0.570 - SJR, Q2 - SJR). ISSN 0950-0340. Dostupné na: <https://doi.org/10.1080/09500340701408722>

Ohlasy:

1. [1.1] LAI, Joel Weijia - CHEONG, Kang Hao. Parrondo effect in quantum coin-toss simulations. In *PHYSICAL REVIEW E*. ISSN 2470-0045, 2020, vol. 101, no. 5, 052212., Registrované v: WOS
2. [1.1] LAI, Joel Weijia - CHEONG, Kang Hao. Parrondo's paradox from classical to quantum: A review. In *NONLINEAR DYNAMICS*. ISSN

- 0924-090X, 2020, vol. 100, no. 1, pp. 849-861., Registrované v: WOS
3. [1.1] PIRES, Marcelo A. - QUEIROS, Silvio M. Duarte. Parrondo's paradox in quantum walks with time-dependent coin operators. In PHYSICAL REVIEW E. ISSN 2470-0045, 2020, vol. 102, no. 4, 042124., Registrované v: WOS
4. [1.1] YE, Ye - HANG, Xiao Rong - KOH, Jin Ming - MISZCZAK, Jaroslaw Adam - CHEONG, Kang Hao - XIE, Neng-gang. Passive network evolution promotes group welfare in complex networks. In CHAOS SOLITONS & FRACTALS. ISSN 0960-0779, 2020, vol. 130, 109464., Registrované v: WOS

ADCA651 KOSTIUK, Dmytro - LUBY, Štefan** - ŠIFFALOVÍČ, Peter - HOFBAUEROVÁ, Monika, Benkovičová - IVANČO, Ján - JERGEL, Matej - MAJKOVÁ, Eva. Graphene Langmuir-Schaefer films Decorated by Pd Nanoparticles for NO₂ and H-2 Gas Sensors. In *Measurement Science Review*, 2019, vol. 19, no. 2, 64-69. (2018: 1.122 - IF, Q4 - JCR, 0.325 - SJR, Q2 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 1335-8871.

Ohlasy:

1. [1.1] LIU, Tianyu - YU, Ziyang - LIU, Yueying - GAO, Jie - WANG, Xiangyue - SUO, Hui - YANG, Xiaotian - ZHAO, Chun - LIU, Fengmin. Gas sensor based on Ni foam: SnO₂-decorated NiO for Toluene detection. In SENSORS AND ACTUATORS B-CHEMICAL, 2020, vol. 318, 128167., Registrované v: WOS

ADCA652 KOSTIUK, Dmytro - BODIK, Michal - ŠIFFALOVÍČ, Peter - JERGEL, Matej - HALAHOVETS, Yuriy - HODAS, Martin - PELLETTA, Marco - PELACH, Michal - HULMAN, Martin - ŠPITÁLSKY, Zdenko - OMASTOVÁ, Mária - MAJKOVÁ, Eva. Reliable determination of the few-layer graphene oxide thickness using Raman spectroscopy. In *Journal of Raman Spectroscopy*, 2016, vol. 47, no. 4, p. 391-394. (2015: 2.395 - IF, Q2 - JCR, 1.020 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0377-0486. Dostupné na: <https://doi.org/10.1002/jrs.4843>

Ohlasy:

1. [1.1] AGRESTI, A. - PES CETELLI, S. - CINA, L. - KONIOS, D. - KAKAVELAKIS, G. - KYMAKIS, E. - DI CARLO, A. Efficiency and Stability Enhancement in Perovskite Solar Cells by Inserting Lithium-Neutralized Graphene Oxide as Electron Transporting Layer. In ADVANCED FUNCTIONAL MATERIALS. ISSN 1616-301X, APR 25 2016, vol. 26, no. 16, p. 2686-2694., Registrované v: WOS
2. [1.1] BEHAR, David - RAJH, Tijana - LIU, Yuzi - CONNELL, Justin - STAMENKOVIC, Vojislav - RABANI, Joseph. Unusual Reduction of Graphene Oxide by Titanium Dioxide Electrons Produced by Ionizing Radiation: Reaction Products and Mechanism. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2020, vol. 124, no. 9, pp. 5425-5435., Registrované v: WOS
3. [1.1] BERRELLEZ-REYES, F. - ALVAREZ-GARCIA, S. Insights into the Interaction of Graphene Oxide and Adsorbed RhB by Raman Spectral Deconvoluted Scanning. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, DEC 12 2019, vol. 123, no. 49, p. 30021-30027., Registrované v: WOS
4. [1.1] CASTRO, V.L. - CLEMENTE, Z. - JONSSON, C. - SILVA, M. - VALLIM, J.H. - DE MEDEIROS, A.M.Z. - MARTINEZ, D.S.T.

- Nanoecotoxicity assessment of graphene oxide and its relationship with humic acid. In ENVIRONMENTAL TOXICOLOGY AND CHEMISTRY. ISSN 0730-7268, JUL 2018, vol. 37, no. 7, p. 1998-2012., Registrované v: WOS
5. [1.1] CROITORU, A. - OPREA, O. - NICOARA, A. - TRUSCA, R. - RADU, M. - NEACSU, I. - FICAI, D. - FICAI, A. - ANDRONESCU, E. Multifunctional Platforms Based on Graphene Oxide and Natural Products. In MEDICINA-LITHUANIA. ISSN 1010-660X, JUN 2019, vol. 55, no. 6., Registrované v: WOS
6. [1.1] CHENG, Z.W. - ZHANG, B.Z. - AN, X.H. - LU, Z.B. - ZHANG, G.A. - MA, F. - ZHOU, F. First-Principles Delimitation of the Boundary between Intralayer and Interlayer in Two-Dimensional Structures. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, NOV 7 2019, vol. 123, no. 44, p. 26912-26920., Registrované v: WOS
7. [1.1] IBARRA-GARCIA, Victor Gerardo - SANCHEZ-MENDOZA, Alma Victoria - MENDOZA-ANAYA, Demetrio - VAZQUEZ-GARCIA, Rosa Angeles - ALEMAN-AYALA, Karina - RAMIREZ-CARDONA, Marius - CASTANO-MENESES, Victor Manuel. One step mechanosynthesis of graphene oxide directly from graphite. In FULLERENES NANOTUBES AND CARBON NANOSTRUCTURES. ISSN 1536-383X, 2020, vol. 29, no. 5, pp. 352-364., Registrované v: WOS
8. [1.1] LARGE, Matthew J. - OGILVIE, Sean P. - KING, Alice A. K. - DALTON, Alan B. Understanding Solvent Spreading for Langmuir Deposition of Nanomaterial Films: A Hansen Solubility Parameter Approach. In LANGMUIR. ISSN 0743-7463, 2017, vol. 33, no. 51, pp. 14766-14771., Registrované v: WOS
9. [1.1] LIN, Li-Shang - BIN-TAY, Wei - LI, Yi-Ru - ASLAM, Zabeada - WESTWOOD, Aidan - BRYDSON, Rik. A practical characterisation protocol for liquid-phase synthesised heterogeneous graphene. In CARBON. ISSN 0008-6223, 2020, vol. 167, pp. 307-321., Registrované v: WOS
10. [1.1] LI, Na - HUANG, Xuankai - ZHANG, Haiyan - SHI, Zhicong - WANG, Chengxin. Graphene-hollow-cubes with network-faces assembled a 3D micro-structured transparent and free-standing film for high performance supercapacitors. In JOURNAL OF MATERIALS CHEMISTRY A. ISSN 2050-7488, 2017, vol. 5, no. 32, pp. 16803-16811., Registrované v: WOS
11. [1.1] LI, Na - YANG, Qiao - LIU, Xing - HUANG, Xuankai - ZHANG, Haiyan - WANG, Chengxin. Controllable Synthesis of Tunable Microstructures of Self-Supporting Graphene Films from Opened Bubble to Cube via in Situ Template-Modulating. In ACS APPLIED MATERIALS & INTERFACES. ISSN 1944-8244, 2017, vol. 9, no. 48, pp. 42093-42101., Registrované v: WOS
12. [1.1] MOMBESHORA, Edwin T. - NYAMORI, Vincent O. Physicochemical characterisation of graphene oxide and reduced graphene oxide composites for electrochemical capacitors. In JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS. ISSN 0957-4522, 2017, vol. 28, no. 24, pp. 18715-18734., Registrované v: WOS
13. [1.1] NAFIE, Laurence A. Recent advances in linear and non-linear Raman spectroscopy. Part XI. In JOURNAL OF RAMAN SPECTROSCOPY. ISSN 0377-0486, 2017, vol. 48, no. 12, pp. 1692-1717., Registrované v: WOS
14. [1.1] NAIR, Sachin - GAO, Jun - YAO, Qirong - DUTTS, Michael H. G. - OTTO, Cees - MUGELE, Frieder. Algorithm-improved high-speed and

non-invasive confocal Raman imaging of 2D materials. In NATIONAL SCIENCE REVIEW. ISSN 2095-5138, 2020, vol. 7, no. 3, pp. 620-628.,

Registrované v: WOS

15. [1.1] NIKOLAOU, Ioannis - HALLIL, Hamida - CONEDERA, Veronique - PLANO, Bernard - TAMARIN, Ollivier - LACHAUD, Jean-Luc - TALAGA, David - BONHOMMEAU, Sebastien - DEJOUS, Corinne - REBIERE, Dominique. Electro-mechanical properties of inkjet-printed graphene oxide nanosheets. In PHYSICA STATUS SOLIDI A-APPLICATIONS AND MATERIALS SCIENCE. ISSN 1862-6300, 2017, vol. 214, no. 3, 1600492.,

Registrované v: WOS

16. [1.1] PRAVIN, M.D. - FELSHIA, S.C. - GNANAMANI, A. Preparation, characterization and reusability efficacy of amine-functionalized graphene oxide-polyphenol oxidase complex for removal of phenol from aqueous phase. In RSC ADVANCES. ISSN 2046-2069, 2018, vol. 8, no. 67, p.

38416-38424., Registrované v: WOS

17. [1.1] QUISPE, L.T. - MENEZES, J.W. - CHONG, W. - ZEGARRA, L.B.R. - ARMAS, L.E.G. Influence of gold nanoholes and nanoslits arrays on Raman spectra and optical reflectance of graphene oxide. In OPTICS EXPRESS. ISSN 1094-4087, NOV 26 2018, vol. 26, no. 24, p. 31253-31263., Registrované v: WOS

18. [1.1] REKHA, M.Y. - SRIVASTAVA, C. Microstructural Evolution and Corrosion Behavior of ZnNi-Graphene Oxide Composite Coatings. In METALLURGICAL AND MATERIALS TRANSACTIONS A-PHYSICAL METALLURGY AND MATERIALS SCIENCE. ISSN 1073-5623, DEC 2019, vol. 50, no. 12, p. 5896-5913., Registrované v: WOS

19. [1.1] REKHA, M.Y. - SRIVASTAVA, C. Microstructure and corrosion properties of zinc-graphene oxide composite coatings. In CORROSION SCIENCE. ISSN 0010-938X, MAY 15 2019, vol. 152, p. 234-248., Registrované v: WOS

20. [1.1] SHIH, J.F. - LIU, X.J. - HUANG, C.W. - TIEN, L.W. - CHEN, C.H. - HUNG, Y.J. Thin and Transferrable Graphene Oxide Grating Layer. In 2016 CONFERENCE ON LASERS AND ELECTRO-OPTICS (CLEO). ISSN 2160-9020, 2016., Registrované v: WOS

21. [1.1] SINGH, Jayant - KUMAR, Deepak - TANDON, N. Tribological and Vibration Studies on Newly Developed Nanocomposite Greases Under Boundary Lubrication Regime. In JOURNAL OF TRIBOLOGY-TRANSACTIONS OF THE ASME. ISSN 0742-4787, 2018, vol. 140, no. 3, 032001., Registrované v: WOS

22. [1.1] VELICKY, Matej - HENDREN, William R. - DONNELLY, Gavin E. - KATZEN, Joel M. - BOWMAN, Robert M. - HUANG, Fumin. Optimising the visibility of graphene and graphene oxide on gold with multilayer heterostructures. In NANOTECHNOLOGY. ISSN 0957-4484, 2018, vol. 29, no. 27, 275205., Registrované v: WOS

23. [1.1] WANG, J. - WANG, Y.G. - WANG, T.J. - LI, G.Y. - LOU, R. - CHENG, G.H. - BAI, J. Nonlinear Optical Response of Graphene Oxide Langmuir-Blodgett Film as Saturable Absorbers. In NANOMATERIALS. ISSN 2079-4991, APR 2019, vol. 9, no. 4., Registrované v: WOS

24. [1.1] WANG, Yang - ZHANG, Zheng - LI, Ting - MA, Piming - ZHANG, Xuhui - XIA, Bihua - CHEN, Mingqing - DU, Mingliang - LIU, Tianxi - DONG, Weifu. Artificial Nacre Epoxy Nanomaterials Based on Janus Graphene

Oxide for Thermal Management Applications. In ACS APPLIED MATERIALS & INTERFACES. ISSN 1944-8244, 2020, vol. 12, no. 39, pp. 44273-44280., Registrované v: WOS

25. [1.1] WONG, Kar Chun - GOH, Pei Sean - ISMAIL, Ahmad Fauzi. Highly permeable and selective graphene oxide-enabled thin film nanocomposite for carbon dioxide separation. In INTERNATIONAL JOURNAL OF GREENHOUSE GAS CONTROL. ISSN 1750-5836, 2017, vol. 64, no., pp. 257-266., Registrované v: WOS

ADCA653 KOŠÍK, Jozef - BUŽEK, Vladimír - HILLERY, M. Quantum walks with random phase shifts. In *Physical Review A*, 2006, vol. 74, no. 2, 022310. (2005: 2.997 - IF, Q1 - JCR, 1.394 - SJR, Q1 - SJR, Current Contents - CCC). (2006 - Current Contents, SCOPUS). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.74.022310>

Ohlasy:

1. [1.1] BENEDETTI, Claudia - BUSCEMI, Fabrizio - BORDONE, Paolo - PARIS, Matteo G. A. Non-Markovian continuous-time quantum walks on lattices with dynamical noise. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 93, no. 4, 042313., Registrované v: WOS

2. [1.1] DAI, Wanyang. Quantum-computing with AI & blockchain: modelling, fault tolerance and capacity scheduling. In MATHEMATICAL AND COMPUTER MODELLING OF DYNAMICAL SYSTEMS. ISSN 1387-3954, 2019, vol. 25, no. 6, pp. 523-559., Registrované v: WOS

3. [1.1] DODANGODAGE, Randika - NANAYAKKARA, Asiri. Maneuvering periods of 2D quantum walks with the coin operator. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2018, vol. 133, no. 9, 389., Registrované v: WOS

4. [1.1] DUNCAN, Callum W. - OHBERG, Patrik - VALIENTE, Manuel. Driven topological systems in the classical limit. In PHYSICAL REVIEW B. ISSN 2469-9950, 2017, vol. 95, no. 12, 125104., Registrované v: WOS

5. [1.1] CHEN, Jin-Fu - MA, Yu-Han - SUN, Chang-Pu. Directional quantum random walk induced by coherence. In FRONTIERS OF PHYSICS. ISSN 2095-0462, 2020, vol. 15, no. 2, 21602., Registrované v: WOS

6. [1.1] CHEN, Tian - ZHANG, Xiangdong. Extraordinary behaviors in a two-dimensional decoherent alternative quantum walk. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 94, no. 1, 012316., Registrované v: WOS

7. [1.1] CHEN, Tian - ZHANG, Xiong - ZHANG, Xiangdong. Quantum sensing of noises in one and two dimensional quantum walks. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2017, vol. 7, 4962., Registrované v: WOS

8. [1.1] ISHAK, Nur Izzati - MUNIANDY, S. - CHONG, Wu Yi. Scaling exponent analysis and fidelity of the tunable discrete quantum walk in the noisy channel. In PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS. ISSN 0378-4371, 2020, vol. 559, 125124., Registrované v: WOS

9. [1.1] LUOMA, Kimmo - PIILO, Jyrki. Discrete dynamics and non-Markovianity. In JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS. ISSN 0953-4075, 2016, vol. 49, no. 12, 125501., Registrované v: WOS

10. [1.1] PANAHYAN, S. - FRITZSCHE, S. Controlling quantum random walk with a step-dependent coin. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2018, vol. 20, 083028., Registrované v: WOS
11. [1.1] PANAHYAN, S. - FRITZSCHE, S. One-dimensional quantum walks driven by two-entangled-qubit coins. In PHYSICS LETTERS A. ISSN 0375-9601, 2020, vol. 384, no. 26, 126673., Registrované v: WOS
12. [1.1] QIN, Hao - XUE, Peng. Quantum walks with coins undergoing different quantum noisy channels. In CHINESE PHYSICS B. ISSN 1674-1056, 2016, vol. 25, no. 1, 010501., Registrované v: WOS
13. [1.1] SEN, Parongama. Unusual scaling in a discrete quantum walk with random long range steps. In PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS. ISSN 0378-4371, 2019, vol. 514, pp. 266-273., Registrované v: WOS
14. [1.1] ZHAO, Jing - TONG, Peiqing. One-dimensional quantum walks subject to next-nearest-neighbour hopping decoherence. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2015, vol. 14, no. 7, pp. 2357., Registrované v: WOS

ADCA654 KOŠIK, J. - BUŽEK, Vladimír. Scattering model for quantum random walks on a hypercube. In *Physical Review A*, 2005, vol. 71, no. 1, 012306. ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.71.012306>

Ohlasy:

1. [1.1] DU, Yi-Mu - LU, Li-Hua - LI, You-Quan. Switching effect of the side chain on quantum walks on triple graphs. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 92, no. 1, 012309., Registrované v: WOS
2. [1.1] CHEN, Chih-Chieh - SHIAU, Shiue-Yuan - WU, Ming-Feng - WU, Yuh-Renn. Hybrid classical-quantum linear solver using Noisy Intermediate-Scale Quantum machines. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2019, vol. 9, 16251., Registrované v: WOS
3. [1.1] QIN WEI - LI JUN-LIN - LONG GUI-LU. High-dimensional quantum state transfer in a noisy network environment. In CHINESE PHYSICS B. ISSN 1674-1056, 2015, vol. 24, no. 4, 040305., Registrované v: WOS
4. [1.1] WANG, Huiquan - WU, Junjie - YANG, Xuejun - YI, Xun. A graph isomorphism algorithm using signatures computed via quantum walk search model. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2015, vol. 48, no. 11, 115302., Registrované v: WOS

ADCA655 KOTULIČ BUNTA, Juraj - G MUCA, Štefan. Asymmetric nuclear matter in the relativistic mean-field approach with vector cross interaction. In *Physical Review C. Nuclear physics*, 2003, vol. 68, no. 5, 054318. (2002: 2.848 - IF, Current Contents - CCC). (2003 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.68.054318>

Ohlasy:

1. [1.1] KUMAR, Bharat - PATRA, S. K. - AGRAWAL, B. K. New relativistic effective interaction for finite nuclei, infinite nuclear matter, and neutron stars. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 4, 045806., Registrované v: WOS
2. [1.1] LI, Bao-An - CAI, Bao-Jun - CHEN, Lie-Wen - XU, Jun. Nucleon effective masses in neutron-rich matter. In PROGRESS IN PARTICLE

AND NUCLEAR PHYSICS. ISSN 0146-6410, 2018, vol. 99, pp. 29-119.,
Registrované v: WOS

3. [1.1] NANDI, Rana - CHAR, Prasanta - PAL, Subrata. Constraining the relativistic mean-field model equations of state with gravitational wave observations. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 5, 052802., Registrované v: WOS

4. [1.1] RATHER, Ishfaq A. - USMANI, A. A. - PATRA, S. K. Study of nuclear matter properties for hybrid EoS. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2020, vol. 47, no. 10, 105104., Registrované v: WOS

5. [1.1] SAHOO, T. - PANDA, R. N. - PATRA, S. K. Proton emission from the drip-line nuclei I-Bi using the WKB approximation with relativistic mean-field densities. In CHINESE PHYSICS C. ISSN 1674-1137, 2019, vol. 43, no. 4, 044102., Registrované v: WOS

ADCA656 KOTULIČ BUNTA, Juraj - GMUCA, Štefan. Hyperons in a relativistic mean-field approach to asymmetric nuclear matter. In *Physical Review C*, 2004, vol. 70, no. 5, 054309. (2003: 2.708 - IF, Current Contents - CCC). (2004 - Current Contents, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.70.054309>

Ohlasy:

1. [1.1] BAI, Zhan - CHEN, Huan - LIU, Yu-xin. Revisiting the equation of state of hybrid stars in the Dyson-Schwinger equation approach to QCD. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 2, 023018., Registrované v: WOS

2. [1.1] BASHIR, Waseem - UDDIN, Saeed - NANDA, Hamid. Particle Ratios from Strongly Interacting Hadronic Matter. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2017, 2979743., Registrované v: WOS

3. [1.1] BISWAL, S. K. Effects of $\phi(0)$ -meson on the EOS of hyperon star in a relativistic mean field model. In XIAMEN-CUSTIPEN WORKSHOP ON THE EQUATION OF STATE OF DENSE NEUTRON-RICH MATTER IN THE ERA OF GRAVITATIONAL WAVE ASTRONOMY. ISSN 0094-243X, 2019, vol. 2127, UNSP 020031., Registrované v: WOS

4. [1.1] BISWAL, S. K. - PATRA, S. K. - ZHOU, Shan-Gui. Effects of ϕ -meson on the EOS, Maximum Masses, and Radii of Hyperon Stars. In ASTROPHYSICAL JOURNAL. ISSN 0004-637X, 2019, vol. 885, no. 1, 25., Registrované v: WOS

5. [1.1] KUBIS, Sebastian - WOJCIK, Włodzimierz - ZABARI, Noemi. Multilayer neutron stars with scalar mesons crossing term. In PHYSICAL REVIEW C. ISSN 2469-9985, 2020, vol. 102, no. 6, 065803., Registrované v: WOS

6. [1.1] LIM, Yeunhwan - HOLT, Jeremy W. - STAHULAK, Robert J. Predicting the moment of inertia of pulsar J0737-3039A from Bayesian modeling of the nuclear equation of state. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 3, 035802., Registrované v: WOS

7. [1.1] LIM, Yeunhwan - LEE, Chang-Hwan - OH, Yongseok. Effective interactions of hyperons and mass-radius relation of neutron stars. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 2, 023010., Registrované v: WOS

8. [1.1] LIM, Y. - HOLT, J. W. Bayesian modeling of the nuclear

equation of state for neutron star tidal deformabilities and GW170817. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2019, vol. 55, no. 11, 209., Registrované v: WOS

9. [1.1] LIU, Z.X. - XIA, C.J. - LU, W.L. - LI, Y.X. - HU, J. N. - SUN, T.T. Relativistic mean-field approach for Lambda, Xi, and Sigma hypernuclei. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 2, 024316., Registrované v: WOS

10. [1.1] YU, Zi - XU, Yan - ZHANG, Gui-Qing - HU, Tao-Ping. Effects of a Weakly Interacting Light U Boson on Protoneutron Stars Including the Hyperon-Hyperon Interactions. In COMMUNICATIONS IN THEORETICAL PHYSICS. ISSN 0253-6102, 2018, vol. 69, no. 4, pp. 417-424., Registrované v: WOS

ADCA657 KOUYATÉ, M. - FLORES-CUAUTLE, J.J.A. - SLENDERS, E. - SERMEUS, J. - VERSTRAETEN, B. - GARAY RAMIREZ, B.M.L. - SAN MARTIN MARTINEZ, E. - KUBIČÁR, Ľudovít - VRETNÁR, Viliam - HUDEC, Ján - GLORIEUX, C. Study of thermophysical properties of silver nanofluids by ISS-HD, Hot Ball and IPPE techniques. In *International Journal of Thermophysics*, 2015, vol. 36, no. 10, p. 3211-3221. (2014: 0.963 - IF, Q3 - JCR, 0.465 - SJR, Q3 - SJR, Current Contents - CCC). (2015 - Current Contents). ISSN 0195-928X. Dostupné na: <https://doi.org/10.1007/s10765-015-1985-1>

Ohlasy:

1. [1.1] MIKHEEV, Ivan V. - USOLTSEVA, Liliya O. - IVSHUKOV, Dmitry A. - VOLKOV, Dmitry S. - KOROBOV, Mikhail V. - PROSKURNIN, Mikhail A. Approach to the Assessment of Size-Dependent Thermal Properties of Disperse Solutions: Time-Resolved Photothermal Lensing of Aqueous Pristine Fullerenes C-60 and C-70. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2016, vol. 120, no. 49, pp. 28270-28287., Registrované v: WOS

2. [1.1] RUTIN, Sergey B. - SKRIPOV, Pavel V. Comments on "The Apparent Thermal Conductivity of Liquids Containing Solid Particles of Nanometer Dimensions: A Critique" (Int. J. Thermophys. 36, 1367 (2015)). In INTERNATIONAL JOURNAL OF THERMOPHYSICS. ISSN 0195-928X, 2016, vol. 37, no. 10, 102., Registrované v: WOS

3. [1.1] USOLTSEVA, Liliya O. - KOROBOV, Mikhail - PROSKURNIN, Mikhail A. Photothermal spectroscopy: A promising tool for nanofluids. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2020, vol. 128, no. 19, 190901., Registrované v: WOS

4. [1.1] VOLKOV, Dmitry S. - ROGOVA, Olga B. - PROSKURNIN, Mikhail A. Photoacoustic and photothermal methods in spectroscopy and characterization of soils and soil organic matter. In PHOTOACOUSTICS. ISSN 2213-5979, 2020, vol. 17, 100151., Registrované v: WOS

ADCA658 KOVAL, Vladimír - ŠKORVÁNEK, Ivan - ĎURIŠIN, Juraj - VIOLA, Giusuppe - KOVALČÍKOVÁ, Alexandra - ŠVEC, Peter Jr. - SAKSL, Karel - YAN, Haixue. Terbium-induced phase transitions and weak ferromagnetism in multiferroic bismuth ferrite ceramics. In *Journal of Materials Chemistry C*, 2017, vol. 5, no. 10, p. 2669-2685. (2016: 5.256 - IF, Q1 - JCR, 1.825 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 2050-7526. Dostupné na: <https://doi.org/10.1039/c6tc04060h>

Ohlasy:

1. [1.1] BIAN, Mengyun - YE, Yan - CUI, Anyang - JIANG, Kai - BAI, Wei - DONG, Hongliang - CHEN, Bin - HU, Zhigao - CHU, Junhao. Phase transition of Bi₅Ti₃FeO₁₅ ceramics discovered by Raman spectroscopy and in situ synchrotron XRD under stress field. In APPLIED PHYSICS LETTERS. ISSN 0003-6951, 2020, vol. 117, no. 2, pp., Registrované v: WOS
2. [1.1] DONG, Juncai - ZHANG, Xiaoli - WANG, Yan - GONG, Yu - AN, Pengfei - LI, Haijing - GUO, Ziyang - HAO, Xinyu - JIA, Quanjie - CHEN, Dongliang. Local insight into the La-induced structural phase transition in multiferroic BiFeO₃ ceramics by x-ray absorption fine structure spectroscopy. In JOURNAL OF PHYSICS-CONDENSED MATTER. ISSN 0953-8984, 2019, vol. 31, no. 8., Registrované v: WOS
3. [1.1] GRAF, M. E. - DI NAPOLI, S. - BARRAL, M. A. - SALEH MEDINA, L. M. - NEGRI, R. M. - SEPLIARSKY, M. - LLOIS, A. M. Rhombohedral R3c to orthorhombic Pnma phase transition induced by Y-doping in BiFeO₃. In JOURNAL OF PHYSICS-CONDENSED MATTER. ISSN 0953-8984, 2018, vol. 30, no. 28, pp., Registrované v: WOS
4. [1.1] LAHIRI, Debduitta - CHATTOPADHYAY, Soma - KADUK, J. - SHIBATA, Tomohiro - SHEVCHENKO, Elena V. - PALKAR, Vaijayanti R. XAFS investigation of the correlation of Bi-sublattice disorder with ferromagnetism of multiferroic BiFeO₃ nanoparticle. In MATERIALS RESEARCH EXPRESS. ISSN 2053-1591, 2019, vol. 6, no. 4., Registrované v: WOS
5. [1.1] MA, Zhibiao - LIU, Huiying - WANG, Lingxu - ZHANG, Fengqing - ZHU, Luyi - FAN, Suhua. Phase transition and multiferroic properties of Zr-doped BiFeO₃ thin films. In JOURNAL OF MATERIALS CHEMISTRY C. ISSN 2050-7526, 2020, vol. 8, no. 48, pp. 17307-17317., Registrované v: WOS
6. [1.1] NAIR, Soumya G. - SATAPATHY, Jyotirmayee - KUMAR, N. Pavan. Influence of synthesis, dopants, and structure on electrical properties of bismuth ferrite (BiFeO₃). In APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING. ISSN 0947-8396, 2020, vol. 126, no. 11, pp., Registrované v: WOS
7. [1.1] PHONG, P. T. - THOAN, N. H. - HONG, N. T. M. - HAO, N. - HA, L. T. - BACH, T. N. - THANH, T. D. - XUAN, C. T. A. - QUANG, N. - DANG, N. - HO, T. A. - THO, P. T. Structural transition, electrical and magnetic properties of Cr doped Bi_{0.9}Sm_{0.1}FeO₃ multiferroics. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2020, vol. 813, no., pp., Registrované v: WOS
8. [1.1] PILLAI, Shreeja - RESHI, Hilal Ahmad - BAGWAIYA, Toshi - BANERJEE, Alok - SHELKE, Vilas. Enhanced magnetization in morphologically and magnetically distinct BiFeO₃ and La_{0.7}Sr_{0.3}MnO₃ composites. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2017, vol. 122, no. 10., Registrované v: WOS
9. [1.1] SAGAYARAJ, R. - JEGADHEESWARI, M. - ARAVAZHI, S. - CHANDRASEKARAN, G. - DHANALAKSHMI, A. Structural, Spectroscopic and Magnetic Study of Nanocrystalline Terbium-Nickel Ferrite by Oxalate Co-Precipitation Method. In CHEMISTRY AFRICA-A JOURNAL OF THE TUNISIAN CHEMICAL SOCIETY. ISSN 2522-5758, 2020, vol. 3, no. 4, pp. 955-963. Dostupné na: <https://doi.org/10.1007/s42250-020-00153-4>,

Registrované v: WOS

10. [1.1] SATYANARAYANA, Savitha - SARMA, Saurav Ch - PETER, Sebastian C. - BHATTACHARYA, Sarbari. Magnetic characterization of nano-sized terbium doped bismuth ferrite synthesized by sol-gel method. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2019, vol. 491., Registrované v: WOS

11. [1.1] SHEN, Hui - XIAN, Qin - XIE, Tao - WU, Anhua - WANG, Menghui - XU, Jiayue - JIA, Runping - KALASHNIKOVA, A. M. Modulation of magnetic transitions in SmFeO₃ single crystal by Pr³⁺ substitution. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2018, vol. 466, no., pp. 81-86., Registrované v: WOS

12. [1.1] TIWARY, S. - KUILA, S. - SAHOO, M. R. - BARIK, A. - VISHWAKARMA, P. N. Effect of disappearance of rhombohedral phase on the dielectric properties of novel BiFe_{1-x}Co_xO₃. In AIP Conference Proceedings. ISSN 0094-243X, 2018-04-10, 1942, pp., Registrované v: WOS

13. [1.1] VERMA, Kuldeep C. - KOTNALA, R. K. - GOYAL, Navdeep. Multi-Functionality of Spintronic Materials. In NANO-ELECTRONICS: DEVICES, CIRCUITS AND SYSTEMS, 2019, pp. 153-215., Registrované v: WOS

14. [1.1] WANG, Ting - SONG, S-H - MA, Qing - TAN, M-L - CHEN, J-J. Highly improved multiferroic properties of Sm and Nb co-doped BiFeO₃ ceramics prepared by spark plasma sintering combined with sol-gel powders. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2019, vol. 795, no., pp. 60-68., Registrované v: WOS

15. [1.1] WU, Lei - DONG, Chunhui - LI, Jinsheng - WANG, Xiaoqiang - JIANG, Changjun. Improved ferromagnetism of BiFeO₃ nanoparticles based on different crystal structures. In MATERIALS EXPRESS. ISSN 2158-5849, 2017, vol. 7, no. 3, pp. 237-243., Registrované v: WOS

16. [1.1] YIN, Zhaoxia - SHENG, Yiding - MA, Guoyan. Dielectric, multiferroic and magnetodielectric properties of Co/Fe co-doped Bi₄Ti₃O₁₂ ceramics. In JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS. ISSN 0957-4522, 2019, vol. 30, no. 11, pp. 10483-10490., Registrované v: WOS

ADCA659 KOZULIN, E.M. - KNYAZHEVA, G.N. - ITKIS, I.M. - ITKIS, M.G. - BOGACHEV, A.A. - KRUPA, Ľuboš - LOKTEV, T.A. - SMIRNOV, S.V. - ZAGREBAEV, V.I. - AYSTO, J. - TRZASKA, W.H. - RUBCHENYA, V.A. - VARDACI, E. - STEFANINI, A.M. - CINAUSERO, M. - CORRADI, L. - FIORETTO, E. - MASON, P. - PRETE, G.F. - SILVESTRI, R. - BEGNINI, S. - MONTAGNOLI, G. - SCARLASSARA, F. - HANAPPE, F. - KHLEBNIKOV, S.V. - KLIMAN, Ján - BRONDI, A. - DI NITTO, A. - MORO, R. - GELLI, N. - SZILNER, S. Investigation of the reaction Ni-64+U-238 being an option of synthesizing element 120. In *Physics Letters B*, 2010, vol. 686, no. 4-5, p. 227-232. (2009: 5.083 - IF, 2.886 - SJR, Q1 - SJR, Current Contents - CCC). (2010 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2010.02.041>

Ohlasy:

1. [1.1] ALBERS, H. M. - KHUYAGBAATAR, J. - HINDE, D. J. - CARTER, I. P. - COOK, K. J. - DASGUPTA, M. - DUELLMANN, Ch E. -

- EBERHARDT, K. - JEUNG, D. Y. - KALKAL, S. - KINDLER, B. -
LOBANOV, N. R. - LOMMEL, B. - MOKRY, C. - PRASAD, E. - RAFFERTY,
D. C. - RUNKE, J. - SEKIZAWA, K. - SENGUPTA, C. - SIMENEL, C. -
SIMPSON, E. C. - SMITH, J. F. - THOERLE-POSPIECH, P. - TRAUTMANN,
N. - VO-PHUOC, K. - WALSHE, J. - WILLIAMS, E. - YAKUSHEV, A.
Zeptosecond contact times for element $Z=120$ synthesis. In PHYSICS LETTERS
B. ISSN 0370-2693, 2020, vol. 808, 135626., Registrované v: WOS
2. [1.1] BANERJEE, Tathagata - NATH, S. - PAL, Santanu. Fusion
probability in heavy nuclei. In PHYSICAL REVIEW C. ISSN 2469-9985, 2015,
vol. 91, no. 3, 034619., Registrované v: WOS
3. [1.1] BHATTACHARYA, S. - CHAUDHURI, A. - GHOSH, T. K. -
BANERJEE, K. - BHATTACHARYA, C. - KUNDU, S. - MUKHERJEE, G. -
RANA, T. K. - ROY, P. - PANDEY, R. - BHATTACHARYA, P. Fusion fission
dynamics: fragment mass distribution studies. In EPJ WEB OF CONFERENCE,
2015, vol. 86, 00004., Registrované v: WOS
4. [1.1] BHUYAN, M. - KUMAR, Raj - RANA, Shilpa - JAIN, D. -
PATRA, S. K. - CARLSON, B. Effect of density and nucleon-nucleon potential
on the fusion cross section within the relativistic mean field formalism. In
PHYSICAL REVIEW C. ISSN 2469-9985, 2020, vol. 101, no. 4, 044603.,
Registrované v: WOS
5. [1.1] GODBEY, Kyle - UMAR, A. S. Quasifission Dynamics in
Microscopic Theories. In FRONTIERS IN PHYSICS. ISSN 2296-424X, 2020,
vol. 8, 40., Registrované v: WOS
6. [1.1] HINDE, D. J. - JEUNG, D. Y. - PRASAD, E. - WAKHLE, A. -
DASGUPTA, M. - EVERS, M. - LUONG, D. H. - DU RIETZ, R. - SIMENEL,
C. - SIMPSON, E. C. - WILLIAMS, E. Sub-barrier quasifission in heavy element
formation reactions with deformed actinide target nuclei. In PHYSICAL
REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 2, 024616., Registrované v:
WOS
7. [1.1] KAUR, Gurjit - SHARMA, Manoj K. Fission mass distribution
of various superheavy nuclei and related dynamical analysis. In NUCLEAR
PHYSICS A. ISSN 0375-9474, 2019, vol. 990, pp. 79-93., Registrované v: WOS
8. [1.1] KHUYAGBAATAR, J. - DAVID, H. M. - HINDE, D. J. -
CARTER, I. P. - COOK, K. J. - DASGUPTA, M. - DUELLMANN, Ch. E. -
JEUNG, D. Y. - KINDLER, B. - LOMMEL, B. - LUONG, D. H. - PRASAD, E.
- RAFFERTY, D. C. - SENGUPTA, C. - SIMENEL, C. - SIMPSON, E. C. -
SMITH, J. F. - VO-PHUOC, K. - WALSHE, J. - WAKHLE, A. - WILLIAMS, E.
- YAKUSHEV, A. Nuclear structure dependence of fusion hindrance in heavy
element synthesis. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97,
no. 6, 064618., Registrované v: WOS
9. [1.1] KHUYAGBAATAR, J. - HINDE, D. J. - CARTER, I. P. -
DASGUPTA, M. - DUELLMANN, Ch. E. - EVERS, M. - LUONG, D. H. - DU
RIETZ, R. - WAKHLE, A. - WILLIAMS, E. - YAKUSHEV, A. Experimental
study of the quasifission, fusion-fission, and de-excitation of Cf compound
nuclei. In PHYSICAL REVIEW C. ISSN 2469-9985, 2015, vol. 91, no. 5,
054608., Registrované v: WOS
10. [1.1] KLIMO, J. - VESELSKY, M. - SOULIOTIS, G. A. -
BONASERA, A. Simulation of fusion and quasi-fission in nuclear reactions
leading to production of superheavy elements using the Constrained Molecular
Dynamics model. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2019, vol. 992,

UNSP 121640., Registrované v: WOS

11. [1.1] KOZULIN, E. M. - KNYAZHEVA, G. N. - NOVIKOV, K. V. - ITKIS, I. M. - ITKIS, M. G. - DMITRIEV, S. N. - OGANESSIAN, Yu. Ts. - BOGACHEV, A. A. - KOZULINA, N. I. - HARCA, I. - TRZASKA, W. H. - GHOSH, T. K. Fission and quasifission of composite systems with $Z=108-120$: Transition from heavy-ion reactions involving S and Ca to Ti and Ni ions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 5, pp., Registrované v: WOS

12. [1.1] LI, Cheng - TIAN, Junlong - ZHANG, Feng-Shou. Production mechanism of the neutron-rich nuclei in multinucleon transfer reactions: A reaction time scale analysis in energy dissipation process. In PHYSICS LETTERS B. ISSN 0370-2693, 2020, vol. 809, 135697., Registrované v: WOS

13. [1.1] MANJUNATHA, H. C. - SRIDHAR, K. N. Ti-Induced Fusion Reactions to Synthesis Superheavy Elements. In BRAZILIAN JOURNAL OF PHYSICS. ISSN 0103-9733, 2019, vol. 49, no. 3, pp. 412-422., Registrované v: WOS

14. [1.1] MIREA, M. - SANDULESCU, A. COMPETITION BETWEEN (296)Lv alpha DECAY AND FISSION AS FUNCTION OF THE EXCITATION ENERGY. In ROMANIAN REPORTS IN PHYSICS. ISSN 1221-1451, 2020, vol. 72, no. 3, 202., Registrované v: WOS

15. [1.1] ROYER, G. - PRINCE, M. - SCANNELL, X. - LELE-CHEUDJOU, I - SAMB, A. Fusion reactions and synthesis of some superheavy nuclei. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2020, vol. 1000, 121811., Registrované v: WOS

16. [1.1] SANTHOSH, K. P. - SAFOORA, V. Systematic study of probable projectile-target combinations for the synthesis of the superheavy nucleus (302)120. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 2, pp., Registrované v: WOS

17. [1.1] SEKIZAWA, Kazuyuki - YABANA, Kazuhiro. Time-dependent Hartree-Fock calculations for multinucleon transfer and quasifission processes in the Ni-64+U-238 reaction. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 5, pp., Registrované v: WOS

18. [1.1] SEKIZAWA, Kazuyuki. TDHF Theory and Its Extensions for the Multinucleon Transfer Reaction: A Mini Review. In FRONTIERS IN PHYSICS. ISSN 2296-424X, 2019, vol. 7, 20., Registrované v: WOS

19. [1.1] SIKDAR, A. K. - RAY, A. - CHATTERJEE, A. Examination of the fission time of the $Z=120$ nucleus. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 4, pp., Registrované v: WOS

20. [1.1] THAKUR, Meenu - BEHERA, B. R. - MAHAJAN, Ruchi - KAUR, Gurpreet - SHARMA, Priya - KAPOOR, Kushal - RANI, Kavita - SUGATHAN, P. - JHINGAN, A. - SANEESH, N. - DUBEY, R. - YADAV, A. - CHATTERJEE, A. - CHATTERJEE, M. B. - KUMAR, Neeraj - MANDAL, S. - DUGGI, S. K. - SAXENA, A. - KAILAS, S. - PAL, Santanu. Measurement of mass-gated neutron multiplicity for the Ti-48+Pb-208 reaction at 57.4 MeV excitation energy. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 1, 014606., Registrované v: WOS

21. [1.1] UMAR, A. S. - OBERACKER, V. E. - SIMENEL, C. Fusion and quasifission dynamics in the reactions Ca-48+Bk-249 and Ti-50+Bk-249 using a time-dependent Hartree-Fock approach. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 2, pp., Registrované v: WOS

22. [1.1] VERMA, Dalip Singh. Fission partition a reflection of shell closures: Decay of U-220,U-224* at eight excitation energies. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2020, vol. 1003, 122031., Registrované v: WOS
23. [1.1] VESELSKY, M. - KLIMO, J. - MA, Yu-Gang - SOULIOTIS, G. A. Constraining the equation of state of nuclear matter from fusion hindrance in reactions leading to the production of superheavy elements. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 6, pp., Registrované v: WOS
24. [1.1] WAKHLE, A. - HAMMERTON, K. - KOHLEY, Z. - MORRISSEY, D. J. - STIEFEL, K. - YURKON, J. - WALSHE, J. - COOK, K. J. - DASGUPTA, M. - HINDE, D. J. - JEUNG, D. J. - PRASAD, E. - RAFFERTY, D. C. - SIMENEL, C. - SIMPSON, E. C. - VO-PHUOC, K. - KING, J. - LOVELAND, W. - YANEZ, R. Capture cross sections for the synthesis of new heavy nuclei using radioactive beams. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 2, 021602., Registrované v: WOS
25. [1.1] WAKHLE, A. - SIMENEL, C. - HINDE, D. J. - DASGUPTA, M. - EVERS, M. - LUONG, D. H. - DU RIETZ, R. Comparing Experimental and Theoretical Quasifission Mass Angle Distributions. In EPJ WEB OF CONFERENCE , 2015, vol. 86, 00061., Registrované v: WOS

ADCA660 KRAJČÍ, Marián - HAFNER, J. - MIHALKOVIČ, Marek. Ab initio study of the surface of a decagonal Al-Co-Ni quasicrystal. In *Physical Review B*, 2006, vol. 73, no. 13, 134203. (2005: 3.185 - IF, Q1 - JCR, 2.126 - SJR, Q1 - SJR, Current Contents - CCC). (2006 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.73.134203>

Ohlasy:

1. [1.1] CURCIO, Davide - MINIUSSI, Elisa - LACOVIG, Paolo - LIZZIT, Silvano - LARCIPRETE, Rosanna - SMERDON, Joseph A. - DHANAK, Vinod R. - MCGRATH, Ronan - BARALDI, Alessandro. Crystal to Quasicrystal Surface Phase Transition: An Unlocking Mechanism for Templated Growth. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2016, vol. 120, no. 10, pp. 5477-5485., Registrované v: WOS
2. [1.1] CHATELIER, Corentin - GARREAU, Yves - VLAD, Alina - LEDIEU, Julian - RESTA, Andrea - FOURNEE, Vincent - DE WEERD, Marie-Cecile - COATI, Alessandro - GAUDRY, Emilie. Pseudo-2-Fold Surface of the Al₁₃Co₄ Catalyst: Structure, Stability, and Hydrogen Adsorption. In ACS APPLIED MATERIALS & INTERFACES. ISSN 1944-8244, 2020, vol. 12, no. 35, pp. 39787-39797., Registrované v: WOS
3. [1.1] MATILAINEN, A. - PUSSI, K. - DIEHL, R. D. - HAHNE, M. - GILLE, P. - GAUDRY, E. - LOLI, L. N. Serkovic - MCGUIRK, G. M. - DE WEERD, M.C. - FOURNEE, V. - LEDIEU, J. Structure of the monoclinic Al₁₃Fe₄(010) complex metallic alloy surface determined by low-energy electron diffraction. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 92, no. 1, 014109., Registrované v: WOS
4. [1.1] NAKAYAMA, Kei - MIZUTANI, Akito - KOYAMA, Yasumasa. Crystallographic Features and State Stability of the Decagonal Quasicrystal in the Al-Co-Cu Alloy System. In JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN. ISSN 0031-9015, 2016, vol. 85, no. 11, 114602., Registrované v: WOS
5. [1.1] NEJADSATTARI, Farshad - STADNIK, Zbigniew M. - PRZEWOZNIK, Janusz - GRUSHKO, Benjamin. Mossbauer spectroscopy,

magnetic, and ab-initio study of the approximant Al₇₆Ni₉Fe₁₅ to a decagonal Al-Ni-Fe quasicrystal. In *JOURNAL OF ALLOYS AND COMPOUNDS*. ISSN 0925-8388, 2016, vol. 662, no., pp. 612-620., Registrované v: WOS

6. [1.1] NEJADSATTARI, Farshad - STADNIK, Zbigniew M. - PRZEWOZNIK, Janusz - GRUSHKO, Benjamin. Ab-initio, Mossbauer spectroscopy, and magnetic study of the approximant Al₇₂Ni₉Fe₁₉ to a decagonal Al-Ni-Fe quasicrystal. In *JOURNAL OF ALLOYS AND COMPOUNDS*. ISSN 0925-8388, 2016, vol. 689, no., pp. 726-732., Registrované v: WOS

ADCA661 KRAJČÍ, Marián - HAFNER, J. Ab initio study of quasiperiodic monolayers on a fivefold i-AlPdMn surface. In *Physical Review B*, 2005, vol. 71, no. 18, 184207. (2004: 3.075 - IF, Current Contents - CCC). (2005 - Current Contents). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.71.184207>

Ohlasy:

1. [1.1] HARS, S. S. - SHARMA, H. R. - SMERDON, J. A. - COATES, S. - NOZAWA, K. - TSAI, A. P. - MCGRATH, R. Growth of a bismuth thin film on the five-fold surface of the icosahedral Ag-In-Yb quasicrystal. In *SURFACE SCIENCE*. ISSN 0039-6028, 2018, vol. 678, SI, pp. 222-227., Registrované v: WOS

2. [1.1] MATILAINEN, A. - PUSSI, K. - DIEHL, R. D. - HAHNE, M. - GILLE, P. - GAUDRY, E. - LOLI, L. N. Serkovic - MCGUIRK, G. M. - DE WEERD, M.C. - FOURNEE, V. - LEDIEU, J. Structure of the monoclinic Al₁₃Fe₄(010) complex metallic alloy surface determined by low-energy electron diffraction. In *PHYSICAL REVIEW B*. ISSN 1098-0121, 2015, vol. 92, no. 1, 014109., Registrované v: WOS

ADCA662 KRAJČÍ, Marián - HAFNER, J. - MIHALKOVIČ, Marek. Are decagonal quasicrystals stabilized by a Hume-Rothery mechanism? In *Europhysics Letters*, 1996, vol. 34, no. 3, p. 207-212. (1996 - Current Contents). ISSN 0295-5075.

Ohlasy:

1. [1.1] CURCIO, Davide - MINIUSSI, Elisa - LACOVIG, Paolo - LIZZIT, Silvano - LARCIPRETE, Rosanna - SMERDON, Joseph A. - DHANAK, Vinod R. - MCGRATH, Ronan - BARALDI, Alessandro. Crystal to Quasicrystal Surface Phase Transition: An Unlocking Mechanism for Templated Growth. In *JOURNAL OF PHYSICAL CHEMISTRY C*. ISSN 1932-7447, 2016, vol. 120, no. 10, pp. 5477-5485., Registrované v: WOS

ADCA663 KRAJČÍ, Marián - HAFNER, Jürgen - MIHALKOVIČ, Marek. Atomic and electronic structure of decagonal. In *Physical Review B*, 2000, vol. 62, no. 1, p. 243-255. (1999: 3.008 - IF, Current Contents - CCC). (2000 - Current Contents). ISSN 1550-235X.

Ohlasy:

1. [1.2] ROGALEV, V. A. - GRÖNING, O. - WIDMER, R. - DIL, J. H. - BISTI, F. - LEV, L. L. - SCHMITT, T. - STROCOV, V. N. Fermi states and anisotropy of Brillouin zone scattering in the decagonal Al-Ni-Co quasicrystal. In *Nature Communications*, 2015-10-07, 6, 8607., Registrované v: SCOPUS

ADCA664 KRAJČÍ, Marián - WINDISCH, M. - HAFNER, J. - KRESSE, G. - MIHALKOVIČ, Marek. Atomic and electronic-structure of icosahedral al-pd-mn

alloys and approximant phases. In *Physical Review B*, 1995, vol. 51, no. 24, p. 17355-17378. (1994: 3.187 - IF, Current Contents - CCC). (1995 - Current Contents). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.51.17355>

Ohlasy:

1. [1.1] DE LAISSARDIERE, G. Trambly - OGUEY, C. - MAYOU, D. Sub-diffusive electronic states in octagonal tiling. In 13TH INTERNATIONAL CONFERENCE ON QUASICRYSTALS (ICQ13). ISSN 1742-6588, 2017, vol. 809, UNSP 012020., Registrované v: WOS
2. [1.1] MIZUTANI, Uichiro - SATO, Hirokazu - INUKAI, Manabu - NISHINO, Yoichi - ZIJLSTRA, Eeuwe Sieds. Electrons per Atom Ratio Determination and Hume-Rothery Electron Concentration Rule for P-Based Polar Compounds Studied by FLAPW-Fourier Calculations. In INORGANIC CHEMISTRY. ISSN 0020-1669, 2015, vol. 54, no. 3, pp. 930., Registrované v: WOS
3. [1.1] PHAM, Joyce - KREYSSIG, Andreas - GOLDMAN, Alan I. - MILLER, Gordon J. An Icosahedral Quasicrystal and Its 1/0 Crystalline Approximant in the Ca-Au-Al System. In INORGANIC CHEMISTRY. ISSN 0020-1669, 2016, vol. 55, no. 20, pp. 10425-10437., Registrované v: WOS

ADCA665 KRAJČÍ, Marián - HAFNER, J. - MIHALKOVIČ, Marek. Atomic and electronic structure of decagonal Al-Pd-Mn alloys and approximant phases. In *Physical Review B : condensed matter and materials physics*, 1997, vol. 55, no. 2, p. 843-855. (1996: 2.975 - IF, Current Contents - CCC). (1997 - Current Contents). ISSN 1550-235X.

Ohlasy:

1. [1.1] HE, Zhanbing - MA, Haikun - LI, Hua - LI, Xingzhong - MA, Xiuliang. New type of Al-based decagonal quasicrystal in Al₆₀Cr₂₀Fe₁₀Si₁₀ alloy. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2016, vol. 6, 22337., Registrované v: WOS

ADCA666 KRAJČÍ, Marián - HAFNER, J. Complex intermetallic compounds as selective hydrogenation catalysts - A case study for the (100) surface of Al₁₃Co₄. In *Journal of Catalysis*, 2011, vol. 278, no. 2, p. 200-207. (2010: 5.415 - IF, Q1 - JCR, 3.380 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents). ISSN 0021-9517. Dostupné na: <https://doi.org/2-s2.0-79951676811>

Ohlasy:

1. [1.1] DURISKA, Libor - PALCUT, Marian - SPOTAK, Martin - CERNICKOVA, Ivona - GONDEK, Jan - PRIPUTEN, Pavol - CICKA, Roman - JANICKOVIC, Dusan - JANOVEC, Jozef. Microstructure, Phase Occurrence, and Corrosion Behavior of As-Solidified and As-Annealed Al-Pd Alloys. In JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE. ISSN 1059-9495, 2018, vol. 27, no. 4, pp. 1601-1613., Registrované v: WOS
2. [1.1] GAUDRY, E. - CHATELIER, C. - MCGUIRK, G. M. - SERKOVIC LOLI, L. N. - DE WEERD, M.C. - LEDIEU, J. - FOURNEE, V. - FELICI, R. - DRNEC, J. - BEUTIER, G. - DE BOISSIEU, M. Structure of the Al₁₃Co₄(100) surface: Combination of surface x-ray diffraction and ab initio calculations. In PHYSICAL REVIEW B. ISSN 2469-9950, 2016, vol. 94, no. 16, 165406., Registrované v: WOS
3. [1.1] GAUDRY, E. - CHATELIER, C. - LOFFREDA, D. -

- KANDASKALOV, D. - COATI, A. - PICCOLO, L. Catalytic activation of a non-noble intermetallic surface through nanostructuring under hydrogenation conditions revealed by atomistic thermodynamics. In JOURNAL OF MATERIALS CHEMISTRY A. ISSN 2050-7488, 2020, vol. 8, no. 15, pp. 7422-7431., Registrované v: WOS
4. [1.1] CHATELIER, Corentin - GARREAU, Yves - VLAD, Alina - LEDIEU, Julian - RESTA, Andrea - FOURNEE, Vincent - DE WEERD, Marie-Cecile - COATI, Alessandro - GAUDRY, Emilie. Pseudo-2-Fold Surface of the Al₁₃Co₄ Catalyst: Structure, Stability, and Hydrogen Adsorption. In ACS APPLIED MATERIALS & INTERFACES. ISSN 1944-8244, 2020, vol. 12, no. 35, pp. 39787-39797., Registrované v: WOS
5. [1.1] CHATELIER, Corentin - GARREAU, Yves - PICCOLO, Laurent - VLAD, Alina - RESTA, Andrea - LEDIEU, Julian - FOURNEE, Vincent - DE WEERD, Marie-Cecile - PICCA, Frederic-Emmanuel - DE BOISSIEU, Marc - FELICI, Roberto - COATI, Alessandro - GAUDRY, Emilie. From the Surface Structure to Catalytic Properties of Al₅Co₂(2(1)over-bar0): A Study Combining Experimental and Theoretical Approaches. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2020, vol. 124, no. 8, pp. 4552-4562., Registrované v: WOS
6. [1.1] KANDASKALOV, D. - FOURNEE, V. - LEDIEU, J. - GAUDRY, E. Catalytic Semihydrogenation of Acetylene on the (100) Surface of the o-Al₁₃Co₄ Quasicrystalline Approximant: Density Functional Theory Study. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2017, vol. 121, no. 34, pp. 18738-18745., Registrované v: WOS
7. [1.1] KOJIMA, Takayuki - KAMEOKA, Satoshi - FUJII, Shinpei - UEDA, Shigenori - TSAI, An-Pang. Catalysis-tunable Heusler alloys in selective hydrogenation of alkynes: A new potential for old materials. In SCIENCE ADVANCES. ISSN 2375-2548, 2018, vol. 4, no. 10, eaat6063., Registrované v: WOS
8. [1.1] LEDIEU, Julian - GAUDRY, Emilie - PUSSI, Katariina - et al. Reconstruction of the Al₁₃Ru₄(010) Approximant Surface Leading to Anisotropic Molecular Adsorption. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2017, vol. 121, no. 40, pp. 22067-22072., Registrované v: WOS
9. [1.1] LEDIEU, J. - DE WEERD, M.C - HAHNE, M. - GILLE, P. - FOURNEE, V. Pseudomorphic growth mode of Pb on the Al₁₃Fe₄(010) approximant surface. In APPLIED SURFACE SCIENCE. ISSN 0169-4332, 2015, vol. 356, pp. 862., Registrované v: WOS
10. [1.1] LEKATOU, A. G. - SFIKAS, A. K. - KARANTZALIS, A. E. The influence of the fabrication route on the microstructure and surface degradation properties of Al reinforced by Al₉Co₂. In MATERIALS CHEMISTRY AND PHYSICS. ISSN 0254-0584, 2017, vol. 200, pp. 33-49., Registrované v: WOS
11. [1.1] LIU, Yuxi - LIU, Xiangwen - FENG, Quanchen - HE, Dongsheng - ZHANG, Libo - LIAN, Chao - SHEN, Rongan - ZHAO, Guofeng - JI, Yongjun - WANG, Dingsheng - ZHOU, Gang - LI, Yadong. Intermetallic NixMy (M = Ga and Sn) Nanocrystals: A Non-precious Metal Catalyst for Semi-Hydrogenation of Alkynes. In ADVANCED MATERIALS. ISSN 0935-9648, 2016, vol. 28, no. 23, pp. 4747-4754., Registrované v: WOS
12. [1.1] MARAKATTI, Vijaykumar S. - SARMA, Saurav Ch -

- JOSEPH, Boby - et al. Synthetically Tuned Atomic Ordering in PdCu Nanoparticles with Enhanced Catalytic Activity toward Solvent-Free Benzylamine Oxidation. In ACS APPLIED MATERIALS & INTERFACES. ISSN 1944-8244, 2017, vol. 9, no. 4, pp. 3602-3615., Registrované v: WOS
13. [1.1] MARAKATTI, Vijaykumar S. - PETER, Sebastian C. Synthetically tuned electronic and geometrical properties of intermetallic compounds as effective heterogeneous catalysts. In PROGRESS IN SOLID STATE CHEMISTRY. ISSN 0079-6786, 2018, vol. 52, pp. 1-30., Registrované v: WOS
14. [1.1] MEIER, M. - LEDIEU, J. - FOURNEE, V. - GAUDRY, E. Semihydrogenation of Acetylene on Al₅Co₂ Surfaces. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2017, vol. 121, no. 9, pp. 4958-4969., Registrované v: WOS
15. [1.1] PALCUT, Marian - PRIPUTEN, Pavol - SALGO, Kristian - JANOVEC, Jozef. Phase constitution and corrosion resistance of Al-Co alloys. In MATERIALS CHEMISTRY AND PHYSICS. ISSN 0254-0584, 2015, vol. 166, pp. 95., Registrované v: WOS
16. [1.1] PICCOLO, Laurent - KIBIS, Lidiya - DE WEERD, Marie-Cecile - et al. Intermetallic Compounds as Potential Alternatives to Noble Metals in Heterogeneous Catalysis: The Partial Hydrogenation of Butadiene on gamma-Al₄Cu₉(110). In CHEMCATCHEM. ISSN 1867-3880, 2017, vol. 9, no. 12, pp. 2292-2296., Registrované v: WOS
17. [1.1] RAO, De-Ming - ZHANG, Shi-Tong - LI, Chang-Ming - CHEN, Yu-Di - PU, Min - YAN, Hong - WEI, Min. The reaction mechanism and selectivity of acetylene hydrogenation over Ni-Ga intermetallic compound catalysts: a density functional theory study. In DALTON TRANSACTIONS. ISSN 1477-9226, 2018, vol. 47, no. 12, pp. 4198-4208., Registrované v: WOS
18. [1.1] SONG, Yuanjun - HE, Yang - LAURSEN, Siris. Controlling Selectivity and Stability in the Hydrocarbon Wet-Reforming Reaction Using Well-Defined Ni plus Ga Intermetallic Compound Catalysts. In ACS CATALYSIS. ISSN 2155-5435, 2020, vol. 10, no. 16, pp. 8968-8980., Registrované v: WOS
19. [1.1] WARDE, M. - HERINX, M. - LEDIEU, J. - LOLI, L. N. Serkovic - FOURNEE, V. - GILLE, P. - LE MOAL, S. - BARTHES-LABROUSSE, M.G. Adsorption of O₂ and C₂H_n (n=2, 4, 6) on the Al₉Co₂(001) and o-Al₁₃Co₄(100) complex metallic alloy surfaces. In APPLIED SURFACE SCIENCE. ISSN 0169-4332, 2015, vol. 357, pp. 1666., Registrované v: WOS
20. [1.1] WEI, Dongxia - HE, Zhanbing. Multilayered sandwich-like architecture containing large-scale faceted Al-Cu-Fe quasicrystal grains. In MATERIALS CHARACTERIZATION. ISSN 1044-5803, 2016, vol. 111, no., pp. 154-161., Registrované v: WOS
21. [1.1] ZHAO, Yu - ZHU, Mingyuan - KANG, Lihua. The DFT Study of Single-Atom Pd-1/g-C₃N₄ Catalyst for Selective Acetylene Hydrogenation Reaction. In CATALYSIS LETTERS. ISSN 1011-372X, 2018, vol. 148, no. 10, pp. 2992-3002., Registrované v: WOS
22. [1.1] ZHAO, Yu - ZHU, Mingyuan - KANG, Lihua. The DFT study of Si-doped Pd₆Si clusters for selective acetylene hydrogenation reaction. In JOURNAL OF MOLECULAR GRAPHICS & MODELLING. ISSN 1093-3263, 2018, vol. 83, pp. 129-137., Registrované v: WOS

ADCA667 KRAJČÍ, Marián - HAFNER, Jürgen. Covalent bonding and bandgap formation in transition-metal aluminides: di-aluminides of group VIII transition metals. In *Journal of Physics: Condensed Matter*, 2002, vol. 14, no. 23, p. 5755-5783. (2001: 1.611 - IF, Current Contents - CCC). (2002 - Current Contents, WOS, SCOPUS). ISSN 0953-8984. Dostupné na: <https://doi.org/10.1088/0953-8984/14/23/309>

Ohlasy:

1. [1.1] CALTA, Nicholas P. - IM, Jino - FANG, Lei - CHASAPIS, Thomas C. - BUGARIS, Daniel E. - CHUNG, Duck Young - KWOK, Wai-Kwong - KANATZIDIS, Mercouri G. Hybridization Gap in the Semiconducting Compound $\text{SrIr}_4\text{In}_2\text{Ge}_4$. In *INORGANIC CHEMISTRY*. ISSN 0020-1669, 2016, vol. 55, no. 23, pp. 12477-12481., Registrované v: WOS
2. [1.1] KITAHARA, Koichi - TAKAGIWA, Yoshiki - KIMURA, Kaoru. Semimetallic Band Structure and Cluster-Based Description of a Cubic Quasicrystalline Approximant in the Al-Cu-Ir System. In *JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN*. ISSN 0031-9015, 2015, vol. 84, no. 1, 014703., Registrované v: WOS
3. [1.1] MACIA BARBER, Enrique. Chemical Bonding and Physical Properties in Quasicrystals and Their Related Approximant Phases: Known Facts and Current Perspectives. In *APPLIED SCIENCES-BASEL*, 2019, vol. 9, no. 10, 2132., Registrované v: WOS
4. [1.1] MIYAZAKI, Ken - YANNELLO, Vincent J. - FREDRICKSON, Daniel C. Electron-counting in intermetallics made easy: the 18-n rule and isolobal bonds across the Os-Al system. In *ZEITSCHRIFT FÜR KRISTALLOGRAPHIE-CRYSTALLINE MATERIALS*. ISSN 2194-4946, 2017, vol. 232, no. 7-9, pp. 487-496., Registrované v: WOS
5. [1.1] MODAK, P. - VERMA, Ashok K. Pressure induced multi-centre bonding and metal-insulator transition in PtAl_2 . In *PHYSICAL CHEMISTRY CHEMICAL PHYSICS*. ISSN 1463-9076, 2019, vol. 21, no. 24, pp. 13337-13346., Registrované v: WOS
6. [1.1] TOBITA, Kazuki - SATO, Naoki - KATSURA, Yukari - et al. High-pressure synthesis of tetragonal iron aluminide FeAl_2 . In *SCRIPTA MATERIALIA*. ISSN 1359-6462, 2017, vol. 141, pp. 107-110., Registrované v: WOS

ADCA668 KRAJČÍ, Marián - HAFNER, Jürgen. Covalent bonding and bandgap formation in intermetallic compounds: a case study for Al_3V . In *Journal of Physics: Condensed Matter*, 2002, vol. 14, no. 8, p. 1865-1879. (2001: 1.611 - IF, Current Contents - CCC). (2002 - Current Contents, WOS, SCOPUS). ISSN 0953-8984. Dostupné na: <https://doi.org/10.1088/0953-8984/14/8/314>

Ohlasy:

1. [1.1] DING, Yao - PENG, Qing - GAN, Lin - WU, Ruizhe - OU, Xuewu - ZHANG, Qicheng - LUO, Zhengtang. Stacking-Mode-Induced Reactivity Enhancement for Twisted Bilayer Graphene. In *CHEMISTRY OF MATERIALS*. ISSN 0897-4756, 2016, vol. 28, no. 4, pp. 1034-1039., Registrované v: WOS
2. [1.1] CHEN, Zhe - ZHANG, Peng - CHEN, Dong - WU, Yi - WANG, Mingliang - MA, Naiheng - WANG, Haowei. First-principles investigation of thermodynamic, elastic and electronic properties of Al_3V and

- Al₃Nb intermetallics under pressures. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2015, vol. 117, no. 8, 085904., Registrované v: WOS
3. [1.1] LIU, Yiyuan - LIU, Yu-Fei - GUI, Xin - XIANG, Cheng - ZHOU, Hui-Bin - HSU, Chuang-Han - LIN, Hsin - CHANG, Tay-Rong - XIE, Weiwei - JIA, Shuang. Bond-breaking induced Lifshitz transition in robust Dirac semimetal VAl₃. In PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA. ISSN 0027-8424, 2020, vol. 117, no. 27, pp. 15517-15523., Registrované v: WOS
4. [1.1] LI, Xianfeng - CHEN, Dong - WU, Yi - et al. Assessment on the structural, elastic and electronic properties of Nb₃Ir and Nb₃Pt: A first-principles study. In AIP ADVANCES. ISSN 2158-3226, 2017, vol. 7, no. 6, 065012., Registrované v: WOS
5. [1.1] LI, Xianfeng - XIA, Cunjuan - WANG, Mingliang - et al. First-Principles Investigation of Structural, Electronic and Elastic Properties of HfX (X = Os, Ir and Pt) Compounds. In METALS. ISSN 2075-4701, 2017, vol. 7, no. 8, 317., Registrované v: WOS
6. [1.1] MACIA BARBER, Enrique. Quo Vadis Quasicrystals? In CRYSTALS. ISSN 2073-4352, 2017, vol. 7, no. 3, 64., Registrované v: WOS
7. [1.1] MACIA BARBER, Enrique. Chemical Bonding and Physical Properties in Quasicrystals and Their Related Approximant Phases: Known Facts and Current Perspectives. In APPLIED SCIENCES-BASEL, 2019, vol. 9, no. 10, 2132., Registrované v: WOS
8. [1.1] MACIA, Enrique. Clustering resonance effects in the electronic energy spectrum of tridiagonal Fibonacci quasicrystals. In PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS. ISSN 0370-1972, 2017, vol. 254, no. 10, 1700078., Registrované v: WOS
9. [1.1] MAI, Ziyi - ZHANG, Xudong - LIU, Yiting - YU, Hui - WANG, Feng. Insight into the structure dependence on physical properties of the high temperature ceramics TaB₂ boride. In VACUUM. ISSN 0042-207X, 2020, vol. 177, 109427., Registrované v: WOS
10. [1.1] MENG, Fan-Shun - YAO, Zhen - VSIANSKA, Monika - FRIAK, Martin - SOB, Mojmir. Theoretical investigations on structural, elastic, thermodynamic and electronic properties of Al₃Ti and Al₃V compounds in L1(2) structure under high pressure. In MATERIALS RESEARCH EXPRESS. ISSN 2053-1591, 2019, vol. 6, no. 5, 056536., Registrované v: WOS
11. [1.1] WANG, Mingliang - CHEN, Zhe - XIA, Cunjuan - WU, Yi - CHEN, Dong. Theoretical study of elastic and electronic properties of Al₅Mo and Al₅W intermetallics under pressure. In MATERIALS CHEMISTRY AND PHYSICS. ISSN 0254-0584, 2017, vol. 197, pp. 145-153., Registrované v: WOS
12. [1.1] XU, Xin-Yu - WANG, Hui-Yuan - ZHA, Min - WANG, Cheng - YANG, Zhi-Zheng - JIANG, Qi-Chuan. Effects of Ti, Si, Mg and Cu additions on interfacial properties and electronic structure of Al(111)/4H-SiC(0001) interface: A first-principles study. In APPLIED SURFACE SCIENCE. ISSN 0169-4332, 2018, vol. 437, pp. 103-109., Registrované v: WOS
13. [1.1] YIN, Z. K. - CHEN, J. S. - ZHANG, P. L. - YU, Z. S. - ZHANG, Y. Z. - CHUN, Y. - LU, H. Phase stability, brittle-ductile transition, and electronic structures of the TiAl alloying with Fe, Ru, Ge, and Sn: a first-principle investigation. In JOURNAL OF MOLECULAR MODELING. ISSN 1610-2940, 2020, vol. 26, no. 11, 320., Registrované v: WOS
14. [1.1] ZHANG, Xudong - CHEN, Jiaying - LOU, Guiyan - LI, Jun -

WANG, Feng. Theoretical prediction of new structure, mechanical properties, anisotropy in elasticity and thermodynamic properties of Mo₃Ge material. In VACUUM. ISSN 0042-207X, 2019, vol. 170, UNSP 108978., Registrované v: WOS

15. [1.1] ZHONG, Sheng-Yi - CHEN, Zhe - WANG, Mingliang - CHEN, Dong. Structural, elastic and thermodynamic properties of Mo₃Si and Mo₃Ge. In EUROPEAN PHYSICAL JOURNAL B. ISSN 1434-6028, 2016, vol. 89, no. 1, 6., Registrované v: WOS

ADCA669 KRAJČÍ, Marián - HAFNER, Jürgen. Covalent bonding and band-gap formation in ternary transition-metal di-aluminides: Al₄MnCo and related compounds. In *Journal of Physics: Condensed Matter*, 2002, vol. 14, no. 30, p. 7201-7219. (2001: 1.611 - IF, Current Contents - CCC). (2002 - Current Contents, WOS, SCOPUS). ISSN 0953-8984. Dostupné na: <https://doi.org/10.1088/0953-8984/14/30/310>

Ohlasy:

1. [1.1] PREKUL, A. F. - SCHEGOLIKHINA, N. I. Internal field emission nature of the fine structure of tunnel spectra in icosahedral quasicrystals. In JETP LETTERS. ISSN 0021-3640, 2016, vol. 103, no. 9, pp. 603-606., Registrované v: WOS

ADCA670 KRAJČÍ, Marián - HAFNER, Jürgen. Electronic and magnetic properties of hexagonal rare-earth-Zn-Mg compounds [...]. In *Journal of Physics: Condensed Matter*, 2000, vol. 12, no. 27, p. 5831-5842. (1999: 1.639 - IF, Current Contents - CCC). (2000 - Current Contents, SCOPUS). ISSN 0953-8984. Dostupné na: <https://doi.org/10.1088/0953-8984/12/27/302>

Ohlasy:

1. [1.1] NAYAK, J. - MANIRAJ, M. - GLOSKOVSKII, A. - KRAJCI, M. - SEBASTIAN, S. - FISHER, I. R. - HORN, K. - BARMAN, S. R. Bulk electronic structure of Zn-Mg-Y and Zn-Mg-Dy icosahedral quasicrystals. In PHYSICAL REVIEW B. ISSN 2469-9950, 2015, vol. 91, no. 23, 235116., Registrované v: WOS

ADCA671 KRAJČÍ, Marián - HAFNER, Jürgen. Fermi surfaces and electronic transport properties of quasicrystalline approximants. In *Journal of Physics: Condens. Matter.*, 2001, vol. 13, p. 3817-3830. (2000: 1.608 - IF, Current Contents - CCC). (2001 - Current Contents, WOS, SCOPUS). ISSN 0953-8984. Dostupné na: <https://doi.org/10.1088/0953-8984/13/17/302>

Ohlasy:

1. [1.1] SPURRIER, Stephen - COOPER, Nigel R. Theory of quantum oscillations in quasicrystals: Quantizing spiral Fermi surfaces. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 100, no. 8, 081405., Registrované v: WOS

ADCA672 KRAJČÍ, Marián - HAFNER, J. Fivefold i-Al-Pd-Mn surface as template for growing monatomic quasiperiodic layers: First-principles simulations for adatoms from groups one to three. In *Physical Review B*, 2008, vol. 77, no. 13, 134202. (2007: 3.172 - IF, Q1 - JCR, 2.892 - SJR, Q1 - SJR, Current Contents - CCC). (2008 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.77.134202>

Ohlasy:

1. [1.1] MANIRAJ, M. - LYU, L. - MOUSAVION, S. - BECKER, S. - EMMERICH, S. - JUNGKENN, D. - SCHLAGEL, D. L. - LOGRASSO, T. A. - BARMAN, S. R. - MATHIAS, S. - STADTMUELLER, B. - AESCHLIMANN, M. Aperiodically ordered nano-graphene on the quasicrystalline substrate. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2020, vol. 22, no. 9, 093056., Registrované v: WOS
2. [1.1] WEI, Dongxia - HE, Zhanbing. Multilayered sandwich-like architecture containing large-scale faceted Al-Cu-Fe quasicrystal grains. In MATERIALS CHARACTERIZATION. ISSN 1044-5803, 2016, vol. 111, no., pp. 154-161., Registrované v: WOS

ADCA673 KRAJČÍ, Marián - HAFNER, J. Highly anisotropic electronic structure in decagonal quasicrystals and approximants. In *Physical Review B : condensed matter and materials physics*, 1998, vol. 58, no. 9, p. 5378-5383. (1997: 2.880 - IF, Current Contents - CCC). (1998 - Current Contents). ISSN 1550-235X.

Ohlasy:

1. [1.1] SHULYATEV, D. A. - KLYUEVA, M. V. - DEVARADJAN, U. Anisotropy of the electric transport properties of decagonal Al-Cu-Co(Fe) quasicrystals. In PHYSICS OF METALS AND METALLOGRAPHY. ISSN 0031-918X, 2016, vol. 117, no. 9, pp. 883-888., Registrované v: WOS
2. [1.1] WENCKA, Magdalena - VRTNIK, Stanislav - KOZELJ, Primož - JAGLICIC, Zvonko - GILLE, Peter - DOLINSEK, Janez. Anisotropic electrical, thermal and magnetic properties of Al₁₃Ru₄ decagonal quasicrystalline approximant. In ZEITSCHRIFT FÜR KRISTALLOGRAPHIE-CRYSTALLINE MATERIALS. ISSN 2194-4946, 2017, vol. 232, no. 7-9, pp. 647-652., Registrované v: WOS

ADCA674 KRAJČÍ, Marián - HAFNER, J. Intermetallic compound AlPd as a selective hydrogenation catalyst: A DFT study. In *Journal of Physical Chemistry C*, 2012, vol. 116, no. 10, p. 6307-6319. (2011: 4.805 - IF, Q1 - JCR, 2.339 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents). ISSN 1932-7447. Dostupné na: <https://doi.org/10.1021/jp212317u>

Ohlasy:

1. [1.1] FURUKAWA, Shinya - KOMATSU, Takayuki. Intermetallic Compounds: Promising Inorganic Materials for Well-Structured and Electronically Modified Reaction Environments for Efficient Catalysis. In ACS CATALYSIS. ISSN 2155-5435, 2017, vol. 7, no. 1, pp. 735-765., Registrované v: WOS
2. [1.1] GAUDRY, E. - CHATELIER, C. - LOFFREDA, D. - KANDASKALOV, D. - COATI, A. - PICCOLO, L. Catalytic activation of a non-noble intermetallic surface through nanostructuring under hydrogenation conditions revealed by atomistic thermodynamics. In JOURNAL OF MATERIALS CHEMISTRY A. ISSN 2050-7488, 2020, vol. 8, no. 15, pp. 7422-7431., Registrované v: WOS
3. [1.1] HE, Pu - FAN, Changzeng - LI, Jian. Al₃Pd₂, a novel intermetallic compound: A first-principles study. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2015, vol. 649, pp. 54., Registrované v: WOS
4. [1.1] CHATELIER, Corentin - GARREAU, Yves - PICCOLO,

- Laurent - VLAD, Alina - RESTA, Andrea - LEDIEU, Julian - FOURNEE, Vincent - DE WEERD, Marie-Cecile - PICCA, Frederic-Emmanuel - DE BOISSIEU, Marc - FELICI, Roberto - COATI, Alessandro - GAUDRY, Emilie. From the Surface Structure to Catalytic Properties of $\text{Al}_5\text{Co}_2(2\bar{1}0)$: A Study Combining Experimental and Theoretical Approaches. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2020, vol. 124, no. 8, pp. 4552-4562., Registrované v: WOS
5. [1.1] KAMEOKA, Satoshi - KRAJCI, Marian - TSAI, An Pang. Highly selective semi-hydrogenation of acetylene over porous gold with twin boundary defects. In APPLIED CATALYSIS A-GENERAL. ISSN 0926-860X, 2019, vol. 569, pp. 101-109., Registrované v: WOS
6. [1.1] LEDIEU, J. - DE WEERD, M.C - HAHNE, M. - GILLE, P. - FOURNEE, V. Pseudomorphic growth mode of Pb on the $\text{Al}_{13}\text{Fe}_4(010)$ approximant surface. In APPLIED SURFACE SCIENCE. ISSN 0169-4332, 2015, vol. 356, pp. 862., Registrované v: WOS
7. [1.1] LI, Ya-Fen - ZHANG, Fu-Qiang - REN, Fang-Qin - MA, Wen-Jin. Geometries, stabilities and electronic properties of bimetallic Al_nPd_m ($n=1-10$, $m=1, 2$) clusters. In INTERNATIONAL JOURNAL OF MODERN PHYSICS B. ISSN 0217-9792, 2018, vol. 32, no. 7, 1850073., Registrované v: WOS
8. [1.1] LUO, Yafei - HUANG, Zheng - CHEN, Zhongzhu - XU, Zhigang - HU, Jianping - MENG, Qingxi - TANG, Dianyong. Phosphine ligand-coated Cu nanoparticle-catalyzed selective semihydrogenation of alkynes: electronic or hindrance effects of the ligand? In PHYSICAL CHEMISTRY CHEMICAL PHYSICS. ISSN 1463-9076, 2020, vol. 22, no. 29, pp. 16905-16913., Registrované v: WOS
9. [1.1] MARAKATTI, Vijaykumar S. - PETER, Sebastian C. Synthetically tuned electronic and geometrical properties of intermetallic compounds as effective heterogeneous catalysts. In PROGRESS IN SOLID STATE CHEMISTRY. ISSN 0079-6786, 2018, vol. 52, pp. 1-30., Registrované v: WOS
10. [1.1] MEIER, M. - LEDIEU, J. - FOURNEE, V. - GAUDRY, E. Semihydrogenation of Acetylene on Al_5Co_2 Surfaces. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2017, vol. 121, no. 9, pp. 4958-4969., Registrované v: WOS
11. [1.1] RAO, De-Ming - ZHANG, Shi-Tong - LI, Chang-Ming - CHEN, Yu-Di - PU, Min - YAN, Hong - WEI, Min. The reaction mechanism and selectivity of acetylene hydrogenation over Ni-Ga intermetallic compound catalysts: a density functional theory study. In DALTON TRANSACTIONS. ISSN 1477-9226, 2018, vol. 47, no. 12, pp. 4198-4208., Registrované v: WOS
12. [1.1] SONG, Yuanjun - HE, Yang - LAURSEN, Siris. Controlling Selectivity and Stability in the Hydrocarbon Wet-Reforming Reaction Using Well-Defined Ni plus Ga Intermetallic Compound Catalysts. In ACS CATALYSIS. ISSN 2155-5435, 2020, vol. 10, no. 16, pp. 8968-8980., Registrované v: WOS
13. [1.1] SONG, Yuanjun - LAURSEN, Siris. Control of surface reactivity towards unsaturated C-C bonds and H over Ni-based intermetallic compounds in semi-hydrogenation of acetylene. In JOURNAL OF CATALYSIS. ISSN 0021-9517, 2019, vol. 372, pp. 151-162., Registrované v: WOS
14. [1.1] TYMOSHUK, Oleksandr S. - FEDYSHYN, Orest S. -

- OLEKSIV, Lesia - RYDCHUK, Petro - MATIYCHUK, Vasyly S.
Spectrophotometric Determination of Palladium(II) Ions Using a New Reagent: 4-(N'-(4-Imino-2-oxo-thiazolidine-5-ylidene)-hydrazino)-benzoic Acid (p-ITYBA). In JOURNAL OF CHEMISTRY. ISSN 2090-9063, 2020, vol. 2020, 8141853., Registrované v: WOS
15. [1.1] WANG, Jianfeng - HAO, Wenshu - MA, Li-Juan - JIA, Jianfeng - WU, Hai-Shun. The effect of interstitial boron on the mechanisms of acetylene hydrogenation catalyzed by Pd-6: A DFT study. In COMPUTATIONAL AND THEORETICAL CHEMISTRY. ISSN 2210-271X, 2019, vol. 1170, 112636., Registrované v: WOS
16. [1.1] WANG, Jianfeng - HAO, Wenshu - MA, Li-Juan - JIA, Jianfeng - WU, Hai-Shun. The structures, stabilities and electronic properties of Pd_nB (n=1-10) clusters. In COMPUTATIONAL AND THEORETICAL CHEMISTRY. ISSN 2210-271X, 2019, vol. 1164, 112554., Registrované v: WOS
17. [1.1] XIAO, Weiping - LEI, Wen - GONG, Mingxing - XIN, Huolin L. - WANG, Deli. Recent Advances of Structurally Ordered Intermetallic Nanoparticles for Electrocatalysis. In ACS CATALYSIS. ISSN 2155-5435, 2018, vol. 8, no. 4, pp. 3237-3256., Registrované v: WOS
18. [1.1] YU, Hongbo - TANG, Weiqiang - LI, Kaijie - YIN, Hongfeng - ZHAO, Shuangliang - ZHOU, Shenghu. Design of Cu-based intermetallic nanocrystals for enhancing hydrogenation selectivity. In CHEMICAL ENGINEERING SCIENCE. ISSN 0009-2509, 2019, vol. 196, pp. 402-413., Registrované v: WOS
19. [1.1] ZHAO, Yu - ZHU, Mingyuan - KANG, Lihua. The DFT Study of Single-Atom Pd-1/g-C₃N₄ Catalyst for Selective Acetylene Hydrogenation Reaction. In CATALYSIS LETTERS. ISSN 1011-372X, 2018, vol. 148, no. 10, pp. 2992-3002., Registrované v: WOS
20. [1.1] ZHAO, Yu - ZHU, Mingyuan - KANG, Lihua. The DFT study of Si-doped Pd₆Si clusters for selective acetylene hydrogenation reaction. In JOURNAL OF MOLECULAR GRAPHICS & MODELLING. ISSN 1093-3263, 2018, vol. 83, pp. 129-137., Registrované v: WOS
21. [1.1] ZHOU, Huiran - YANG, Xiaofeng - LI, Lin - LIU, Xiaoyan - HUANG, Yanqiang - PAN, Xiaoli - WANG, Aiqin - LI, Jun - ZHANG, Tao. PdZn Intermetallic Nanostructure with Pd-Zn-Pd Ensembles for Highly Active and Chemoselective Semi-Hydrogenation of Acetylene. In ACS CATALYSIS. ISSN 2155-5435, 2016, vol. 6, no. 2, pp. 1054-1061., Registrované v: WOS

ADCA675 KRAJČÍ, Marián - HAFNER, J. Intermetallic compounds as selective heterogeneous catalysts: insights from DFT. In *ChemCatChem*, 2016, vol. 8, no. 1, p. 34-48. (2015: 4.724 - IF, Q1 - JCR, 1.731 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 1867-3880. Dostupné na: <https://doi.org/10.1002/cctc.201500733>

Ohlasy:

1. [1.1] AHMAD, Kaisar - UPADHYAYULA, Sreedevi. Kinetics of CO₂ hydrogenation to methanol over silica supported intermetallic Ga₃Ni₅ catalyst in a continuous differential fixed bed reactor. In INTERNATIONAL JOURNAL OF HYDROGEN ENERGY. ISSN 0360-3199, 2020, vol. 45, no. 1, pp. 1140-1150., Registrované v: WOS
2. [1.1] BRIX, Florian - SIMON, Romain - GAUDRY, Emilie. The

- (010) Surface of the Al₄₅Cr₇ Complex Intermetallic Compound: Insights from Density Functional Theory. In ZEITSCHRIFT FÜR ANORGANISCHE UND ALLGEMEINE CHEMIE. ISSN 0044-2313, 2020, vol. 646, no. 14, pp. 1176-1182., Registrované v: WOS
3. [1.1] FURUKAWA, Shinya - KOMATSU, Takayuki. Intermetallic Compounds: Promising Inorganic Materials for Well-Structured and Electronically Modified Reaction Environments for Efficient Catalysis. In ACS CATALYSIS. ISSN 2155-5435, 2017, vol. 7, no. 1, pp. 735-765., Registrované v: WOS
4. [1.1] GHOSH, Smita - HARIHARAN, Seenivasan - TIWARI, Ashwani K. Water Adsorption and Dissociation on Copper/Nickel Bimetallic Surface Alloys: Effect of Surface Temperature on Reactivity. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2017, vol. 121, no. 30, pp. 16351-16365., Registrované v: WOS
5. [1.1] GHOSH, Smita - TIWARI, Ashwani K. Multifold enhancement in water dissociation with Ag/Ni bimetallic alloy surfaces. In SURFACE SCIENCE. ISSN 0039-6028, 2020, vol. 701, 121695., Registrované v: WOS
6. [1.1] KOJIMA, Takayuki - KAMEOKA, Satoshi - FUJII, Shinpei - UEDA, Shigenori - TSAI, An-Pang. Catalysis-tunable Heusler alloys in selective hydrogenation of alkynes: A new potential for old materials. In SCIENCE ADVANCES. ISSN 2375-2548, 2018, vol. 4, no. 10, eaat6063., Registrované v: WOS
7. [1.1] KUMAR, Nandha - GHOSH, Prasenjit. Selectivity and Reactivity of Pd-Rich PdGa Surfaces toward Selective Hydrogenation of Acetylene: Interplay of Surface Roughness and Ensemble Effect. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2016, vol. 120, no. 50, pp. 28654-28663., Registrované v: WOS
8. [1.1] MARAKATTI, Vijaykumar S. - PETER, Sebastian C. Synthetically tuned electronic and geometrical properties of intermetallic compounds as effective heterogeneous catalysts. In PROGRESS IN SOLID STATE CHEMISTRY. ISSN 0079-6786, 2018, vol. 52, pp. 1-30., Registrované v: WOS
9. [1.1] MASHKOVSKY, Igor S. - SMIRNOVA, Nadezhda S. - MARKOV, Pavel V. - BAEVA, Galina N. - BRAGINA, Galina O. - BUKHTIYAROV, Andrey V. - PROSVIRIN, Igor P. - STAKHEEV, Aleksandr Yu. Tuning the surface structure and catalytic performance of PdIn/Al₂O₃ in selective liquid-phase hydrogenation by mild oxidative-reductive treatments. In MENDELEEV COMMUNICATIONS. ISSN 0959-9436, 2018, vol. 28, no. 6, pp. 603-605., Registrované v: WOS
10. [1.1] MASHKOVSKY, Igor S. - MARKOV, Pavel V. - BRAGINA, Galina O. - BAEVA, Galina N. - RASSOLOV, Aleksandr V. - BUKHTIYAROV, Andrey V. - PROSVIRIN, Igor P. - BUKHTIYAROV, Valery I. - STAKHEEV, Aleksandr Yu. PdZn/α-Al₂O₃ catalyst for liquid-phase alkyne hydrogenation: effect of the solid-state alloy transformation into intermetallics. In MENDELEEV COMMUNICATIONS. ISSN 0959-9436, 2018, vol. 28, no. 2, pp. 152-154., Registrované v: WOS
11. [1.1] MEIER, M. - LEDIEU, J. - FOURNEE, V. - GAUDRY, E. Semihydrogenation of Acetylene on Al₅Co₂ Surfaces. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2017, vol. 121, no. 9, pp. 4958-4969., Registrované v: WOS

12. [1.1] ROY, Sudipta - HARIHARAN, Seenivasan - TIWARI, Ashwani K. Pt-Ni Subsurface Alloy Catalysts: An Improved Performance toward CH₄ Dissociation. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2018, vol. 122, no. 20, pp. 10857-10870., Registrované v: WOS
13. [1.1] ROY, Sudipta - NAYANTHARA, K. J. - TIWARI, Nidhi - TIWARI, Ashwani K. Energetics and dynamics of CH(4) and H₂O dissociation on metal surfaces. In INTERNATIONAL REVIEWS IN PHYSICAL CHEMISTRY. ISSN 0144-235X, 2020, vol. 39, no. 3, pp. 267-318., Registrované v: WOS
14. [1.1] SANDOVAL, M. - BECHTHOLD, P. - ORAZI, V. - GONZALEZ, E. A. - JUAN, A. - JASEN, P. V. The role of Ga in the acetylene adsorption on PdGa intermetallic. In APPLIED SURFACE SCIENCE. ISSN 0169-4332, 2018, vol. 435, pp. 568-573., Registrované v: WOS
15. [1.1] SARAVANAN, Govindachetty - JAYASREE, K. Pulleri - DIVYA, Yearwar - PALLAVI, Mungse - NITIN, Labhsetwar. Ordered intermetallic Pt-Fe nano-catalysts for carbon monoxide and benzene oxidation. In INTERMETALLICS. ISSN 0966-9795, 2018, vol. 94, pp. 179-185., Registrované v: WOS
16. [1.1] WANG, Zhao - WANG, Guillaume - LOUIS, Catherine - DELANNOY, Laurent. Novel non-noble bimetallic Cu-Zn/TiO₂ catalysts for selective hydrogenation of butadiene. In JOURNAL OF CATALYSIS. ISSN 0021-9517, 2017, vol. 347, pp. 185-196., Registrované v: WOS
17. [1.1] YAN, Yucong - DU, Jingshan S. - GILROY, Kyle D. - YANG, Deren - XIA, Younan - ZHANG, Hui. Intermetallic Nanocrystals: Syntheses and Catalytic Applications. In ADVANCED MATERIALS. ISSN 0935-9648, 2017, vol. 29, no. 14, 1605997., Registrované v: WOS
18. [1.1] YUAN, Dingwang - ZHANG, Yong. Theoretical investigations of HCOOH decomposition on ordered Cu-Pd alloy surfaces. In APPLIED SURFACE SCIENCE. ISSN 0169-4332, 2018, vol. 462, pp. 649-658., Registrované v: WOS
19. [1.1] ZAKHAROVA, Elena Yu - MAKHANEVA, Anastasiya Yu - KULIKOVA, Maya - CHUDAKOVA, Maria - IVANTSOV, Mikhail I. - DEMENTYEVA, Oksana D. - KUZNETSOV, Alexey N. Metal-rich tellurides PdTe_{1-x}Bix as functional materials: Catalytic behavior in the Fischer-Tropsch synthesis and bonding analysis. In FUNCTIONAL MATERIALS LETTERS. ISSN 1793-6047, 2020, vol. 13, no. 4, 2041001., Registrované v: WOS
20. [1.1] ZHANG, Liuting - SUN, Ze - CAI, Zeliang - YAN, Nianhua - LU, Xiong - ZHU, Xinqiao - CHEN, Lixin. Enhanced hydrogen storage properties of MgH₂ by the synergetic catalysis of Zr_{0.4}Ti_{0.6}Co nanosheets and carbon nanotubes. In APPLIED SURFACE SCIENCE. ISSN 0169-4332, 2020, vol. 504, 144465., Registrované v: WOS
21. [1.1] ZHOU, Yanan - SUN, Wenjing - CHU, Wei - ZHENG, Jian - GAO, Xiaoping - ZHOU, Xuan - XUE, Ying. Adsorption of acetylene on ordered Ni_xAg_{1-x}/Ni (111) and effect of Ag-dopant: A DFT study. In APPLIED SURFACE SCIENCE. ISSN 0169-4332, 2018, vol. 435, pp. 521-528., Registrované v: WOS
22. [1.1] ZIMMERMANN, Rene R. - HAHN, Tobias - RESCHETILOWSKI, Wladimir - ARMBRUESTER, Marc. Kinetic Parameters for the Selective Hydrogenation of Acetylene on GaPd₂ and GaPd. In CHEMPHYSICHEM. ISSN 1439-4235, 2017, vol. 18, no. 18, pp. 2517-2525.,

Registrované v: WOS

23. [1.1] ZIMMERMANN, Rene R. - SIEBERT, Martin - IBRAHIMKUTTY, Shyjunon - DITTMAYER, Roland - ARMBRUESTER, Marc. Intermetallic GaPd₂ Thin Films for Selective Hydrogenation of Acetylene. In ZEITSCHRIFT FUR ANORGANISCHE UND ALLGEMEINE CHEMIE. ISSN 0044-2313, 2020, vol. 646, no. 14, pp. 1218-1226., Registrované v: WOS

ADCA676 KRAJČÍ, Marián - HAFNER, J. Magnetism at surfaces and defects in icosahedral Al-Pd-Md quasicrystals. In *Physical Review B*, 2009, vol. 80, no. 21, 214419. (2008: 3.322 - IF, Q1 - JCR, 2.923 - SJR, Q1 - SJR, Current Contents - CCC). (2009 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.80.214419>

Ohlasy:

1. [1.1] MEIER, M. - LEDIEU, J. - DE WEERD, M.C. - HUANG, Ying-Tzu - ABREU, G. J. P. - PUSSI, K. - DIEHL, R. D. - MAZET, T. - FOURNEE, V. - GAUDRY, E. Interplay between bulk atomic clusters and surface structure in complex intermetallic compounds: The case study of the Al₅Co₂(001) surface. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 91, no. 8, 085414., Registrované v: WOS

ADCA677 KRAJČÍ, Marián - HAFNER, J. Prediction of insulating quasicrystalline approximants using ab initio electronic structure calculations. In *Physical Review B*. - New York : APS Publishing, 2003, vol. 67, no. 5, p. 052201. (2002: 3.327 - IF, Current Contents - CCC). (2003 - Current Contents). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.67.052201>

Ohlasy:

1. [1.1] KITAHARA, Koichi - TAKAGIWA, Yoshiki - KIMURA, Kaoru. Semimetallic Band Structure and Cluster-Based Description of a Cubic Quasicrystalline Approximant in the Al-Cu-Ir System. In JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN. ISSN 0031-9015, 2015, vol. 84, no. 1, 014703., Registrované v: WOS

2. [1.1] TAKAHASHI, Takahiro - KITAHARA, Koichi - KATSURA, Yukari - OKADA, Junpei - MATSUSHITA, Yu-ichiro - KIMURA, Kaoru. Search for the boron quasicrystal by first-principle-calculation. In SOLID STATE SCIENCES. ISSN 1293-2558, 2020, vol. 108, 106377., Registrované v: WOS

ADCA678 KRAJČÍ, Marián - HAFNER, J. - LEDIEU, J. - FOURNÉE, V. - MCGRATH, R. Quasiperiodic Pb monolayer on the fivefold i-Al-Pd-Mn surface: Structure and electronic properties. In *Physical Review B*, 2010, vol. 82, no. 8, 085417. (2009: 3.475 - IF, 3.107 - SJR, Q1 - SJR, Current Contents - CCC). (2010 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.82.085417>

Ohlasy:

1. [1.1] HUANG, Huaqing - LIU, Feng. Quantum Spin Hall Effect and Spin Bott Index in a Quasicrystal Lattice. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2018, vol. 121, no. 12, 126401., Registrované v: WOS

2. [1.1] MANIRAJ, M. - LYU, L. - MOUSAVION, S. - BECKER, S. - EMMERICH, S. - JUNGKENN, D. - SCHLAGEL, D. L. - LOGRASSO, T. A. - BARMAN, S. R. - MATHIAS, S. - STADTMUELLER, B. - AESCHLIMANN,

M. Aperiodically ordered nano-graphene on the quasicrystalline substrate. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2020, vol. 22, no. 9, 093056., Registrované v: WOS

ADCA679 KRAJČÍ, Marián - HAFNER, J. Selective semi-hydrogenation of acetylene: Atomistic scenario for reactions on the polar threefold surfaces of GaPd. In *Journal of Catalysis*, 2014, vol. 312, p. 232-248. (2013: 6.073 - IF, Q1 - JCR, 2.560 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents). ISSN 0021-9517. Dostupné na: <https://doi.org/10.1016/j.jcat.2014.02.001>

Ohlasy:

1. [1.1] BECHTHOLD, P. - SANDOVAL, M. - GONZALEZ, E. A. - BRIZUELA, G. - BONIVARDI, A. - JASEN, P. V. The Electronic Structure and Bonding of Acetylene on PdGa(110). In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2015, vol. 119, no. 32, pp. 18229., Registrované v: WOS
2. [1.1] FIORDALISO, Elisabetta M. - SHARAFUTDINOV, Irek - CARVALHO, Hudson W. P. - KEHRES, Jan - GRUNWALDT, Jan-D. - CHORKENDORFF, Ib - DAMSGAARD, Christian D. Evolution of intermetallic GaPd₂/SiO₂ catalyst and optimization for methanol synthesis at ambient pressure. In SCIENCE AND TECHNOLOGY OF ADVANCED MATERIALS. ISSN 1468-6996, 2019, vol. 20, no. 1, pp. 521-531., Registrované v: WOS
3. [1.1] FURUKAWA, Shinya - KOMATSU, Takayuki. Intermetallic Compounds: Promising Inorganic Materials for Well-Structured and Electronically Modified Reaction Environments for Efficient Catalysis. In ACS CATALYSIS. ISSN 2155-5435, 2017, vol. 7, no. 1, pp. 735-765., Registrované v: WOS
4. [1.1] GAO, Xiaoping - ZHOU, Yanan - JING, Fangli - et al. Layered Double Hydroxides Derived ZnO-Al₂O₃ Supported Pd-Ag Catalysts for Selective Hydrogenation of Acetylene. In CHINESE JOURNAL OF CHEMISTRY. ISSN 1001-604X, 2017, vol. 35, no. 6, pp. 1009-1015., Registrované v: WOS
5. [1.1] HUANG, Binbin - WANG, Tao - YANG, Zhan - et al. Iron-Based Bimetallic Nanocatalysts for Highly Selective Hydrogenation of Acetylene in N,N-Dimethylformamide at Room Temperature. In ACS SUSTAINABLE CHEMISTRY & ENGINEERING. ISSN 2168-0485, 2017, vol. 5, no. 2, pp. 1668-1674., Registrované v: WOS
6. [1.1] HU, Maocong - WANG, Xianqin. Effect of N-3(-) species on selective acetylene hydrogenation over Pd/SAC catalysts. In CATALYSIS TODAY. ISSN 0920-5861, 2016, vol. 263, no., pp. 98-104., Registrované v: WOS
7. [1.1] CHE, Chunxia - WANG, Bingkai - SHAN, Changfu - et al. An Effective Strategy to Prepare Pd-Ag/MgCO₃@alpha-Al₂O₃ Catalyst for Selective Hydrogenation of Acetylene. In CATALYSIS LETTERS. ISSN 1011-372X, 2017, vol. 147, no. 2, pp. 483-490., Registrované v: WOS
8. [1.1] KAMEOKA, Satoshi - KRAJCI, Marian - TSAI, An Pang. Highly selective semi-hydrogenation of acetylene over porous gold with twin boundary defects. In APPLIED CATALYSIS A-GENERAL. ISSN 0926-860X, 2019, vol. 569, pp. 101-109., Registrované v: WOS
9. [1.1] KAUL, Indu - GHOSH, Prasenjit. First principles investigations of small bimetallic PdGa clusters as catalysts for hydrogen dissociation. In

CHEMICAL PHYSICS. ISSN 0301-0104, 2017, vol. 487, pp. 87-96.,

Registrované v: WOS

10. [1.1] KUMAR, Nandha - GHOSH, Prasenjit. Structure and stability of clean and adsorbate covered intermetallic PdGa surfaces: A first principles study. In SURFACE SCIENCE. ISSN 0039-6028, 2016, vol. 644, no., pp. 69-79., Registrované v: WOS

11. [1.1] KUMAR, Nandha - GHOSH, Prasenjit. Selectivity and Reactivity of Pd-Rich PdGa Surfaces toward Selective Hydrogenation of Acetylene: Interplay of Surface Roughness and Ensemble Effect. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2016, vol. 120, no. 50, pp. 28654-28663., Registrované v: WOS

12. [1.1] LIU, Siyang - NIU, Yiming - WANG, Yongzhao - CHEN, Junnan - QUAN, Xueping - ZHANG, Xia - ZHANG, Bingsen. Unravelling the role of active-site isolation in reactivity and reaction pathway control for acetylene hydrogenation. In CHEMICAL COMMUNICATIONS. ISSN 1359-7345, 2020, vol. 56, no. 47, pp. 6372-6375., Registrované v: WOS

13. [1.1] MCGUIRK, G. M. - LEDIEU, J. - GAUDRY, E. - DE WEERD, M.C. - HAHNE, M. - GILLE, P. - IVARSSON, D. C. A. - ARMBRUESTER, M. - ARDINI, J. - HELD, G. - MACCHEROZZI, F. - BAYER, A. - LOWE, M. - PUSSI, K. - DIEHL, R. D. - FOURNEE, V. The atomic structure of low-index surfaces of the intermetallic compound InPd. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2015, vol. 143, no. 7, 074705., Registrované v: WOS

14. [1.1] MEIER, M. - LEDIEU, J. - FOURNEE, V. - GAUDRY, E. Semihydrogenation of Acetylene on Al₅Co₂ Surfaces. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2017, vol. 121, no. 9, pp. 4958-4969., Registrované v: WOS

15. [1.1] RAO, De-Ming - SUN, Tao - YANG, Yu-Sen - YIN, Pan - PU, Min - YAN, Hong - WEI, Min. Theoretical study on the reaction mechanism and selectivity of acetylene semi-hydrogenation on Ni-Sn intermetallic catalysts. In PHYSICAL CHEMISTRY CHEMICAL PHYSICS. ISSN 1463-9076, 2019, vol. 21, no. 3, pp. 1384-1392., Registrované v: WOS

16. [1.1] RAO, De-Ming - ZHANG, Shi-Tong - LI, Chang-Ming - CHEN, Yu-Di - PU, Min - YAN, Hong - WEI, Min. The reaction mechanism and selectivity of acetylene hydrogenation over Ni-Ga intermetallic compound catalysts: a density functional theory study. In DALTON TRANSACTIONS. ISSN 1477-9226, 2018, vol. 47, no. 12, pp. 4198-4208., Registrované v: WOS

17. [1.1] SANDOVAL, M. - BECHTHOLD, P. - ORAZI, V. - GONZALEZ, E. A. - JUAN, A. - JASEN, P. V. The role of Ga in the acetylene adsorption on PdGa intermetallic. In APPLIED SURFACE SCIENCE. ISSN 0169-4332, 2018, vol. 435, pp. 568-573., Registrované v: WOS

18. [1.1] SONG, Yuanjun - LAURSEN, Siris. Control of surface reactivity towards unsaturated C-C bonds and H over Ni-based intermetallic compounds in semi-hydrogenation of acetylene. In JOURNAL OF CATALYSIS. ISSN 0021-9517, 2019, vol. 372, pp. 151-162., Registrované v: WOS

19. [1.1] YUAN, Dingwang - ZHANG, Yong. Theoretical investigations of HCOOH decomposition on ordered Cu-Pd alloy surfaces. In APPLIED SURFACE SCIENCE. ISSN 0169-4332, 2018, vol. 462, pp. 649-658., Registrované v: WOS

20. [1.1] ZHANG, Huoli - WANG, Youchao - WANG, Yan - et al.

Highly Dispersed PdNPs/ α -Al₂O₃ Catalyst for the Selective Hydrogenation of Acetylene Prepared with Monodispersed Pd Nanoparticles. In CATALYSTS. ISSN 2073-4344, 2017, vol. 7, no. 5, 128., Registrované v: WOS

21. [1.1] ZHOU, Huiran - YANG, Xiaofeng - LI, Lin - LIU, Xiaoyan - HUANG, Yanqiang - PAN, Xiaoli - WANG, Aiqin - LI, Jun - ZHANG, Tao. PdZn Intermetallic Nanostructure with Pd-Zn-Pd Ensembles for Highly Active and Chemoselective Semi-Hydrogenation of Acetylene. In ACS CATALYSIS. ISSN 2155-5435, 2016, vol. 6, no. 2, pp. 1054-1061., Registrované v: WOS

ADCA680 KRAJČÍ, Marián - HAFNER, Jürgen. Semiconductivity in aluminum-transition-metal quasicrystalline alloys induced by ordering in six dimensions. In *Europhysics Letters*. - Paris : EDP Sciences, 2003, vol. 63, no. 1, p. 63-68. (2002: 2.360 - IF, Current Contents - CCC). (2003 - Current Contents). ISSN 0295-5075. Dostupné na: <https://doi.org/10.1209/epl/i2003-00478-8>

Ohlasy:

1. [1.1] KITAHARA, Koichi - TAKAGIWA, Yoshiki - KIMURA, Kaoru. Semimetallic Band Structure and Cluster-Based Description of a Cubic Quasicrystalline Approximant in the Al-Cu-Ir System. In JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN. ISSN 0031-9015, 2015, vol. 84, no. 1, 014703., Registrované v: WOS

ADCA681 KRAJČÍ, Marián - HAFNER, Jürgen. Semiconducting Al-transition-metal quasicrystals. In *Physical Review B*, 2003, vol. 68, no. 16, 165202. (2002: 3.327 - IF, Current Contents - CCC). (2003 - Current Contents). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.68.165202>

Ohlasy:

1. [1.1] KITAHARA, Koichi - TAKAGIWA, Yoshiki - KIMURA, Kaoru. Semimetallic Band Structure and Cluster-Based Description of a Cubic Quasicrystalline Approximant in the Al-Cu-Ir System. In JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN. ISSN 0031-9015, 2015, vol. 84, no. 1, 014703., Registrované v: WOS

2. [1.1] RAPP, O. Reinterpretation of the zero-temperature conductivity in icosahedral AlPdRe. In PHYSICAL REVIEW B. ISSN 2469-9950, 2016, vol. 94, no. 2, 024202., Registrované v: WOS

3. [1.1] TAKAHASHI, Takahiro - KITAHARA, Koichi - KATSURA, Yukari - OKADA, Junpei - MATSUSHITA, Yu-ichiro - KIMURA, Kaoru. Search for the boron quasicrystal by first-principle-calculation. In SOLID STATE SCIENCES. ISSN 1293-2558, 2020, vol. 108, 106377., Registrované v: WOS

ADCA682 KRAJČÍ, Marián - HAFNER, J. Semihydrogenation of acetylene on the (010) surface of GaPd₂: Ga enrichment improves selectivity. In *Journal of Physical Chemistry C*, 2014, vol. 118, no. 23, p. 12285-12301. (2013: 4.835 - IF, Q1 - JCR, 2.134 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1932-7447. Dostupné na: <https://doi.org/10.1021/jp5025075>

Ohlasy:

1. [1.1] BECHTHOLD, P. - SANDOVAL, M. - GONZALEZ, E. A. - BRIZUELA, G. - BONIVARDI, A. - JASEN, P. V. The Electronic Structure and Bonding of Acetylene on PdGa(110). In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2015, vol. 119, no. 32, pp. 18229.,

Registrované v: WOS

2. [1.1] HORNUNG, Julius - MUHR, Maximilian - GEMEL, Christian - FISCHER, Roland A. All-zinc coordinated nickel-complexes as molecular mimics for NiZn catalyst surfaces, a density functional theory study. In DALTON TRANSACTIONS. ISSN 1477-9226, 2019, vol. 48, no. 31, pp. 11743-11748., Registrované v: WOS
3. [1.1] KAMEOKA, Satoshi - KRAJCI, Marian - TSAI, An Pang. Highly selective semi-hydrogenation of acetylene over porous gold with twin boundary defects. In APPLIED CATALYSIS A-GENERAL. ISSN 0926-860X, 2019, vol. 569, pp. 101-109., Registrované v: WOS
4. [1.1] KAUL, Indu - GHOSH, Prasenjit. First principles investigations of small bimetallic PdGa clusters as catalysts for hydrogen dissociation. In CHEMICAL PHYSICS. ISSN 0301-0104, 2017, vol. 487, pp. 87-96., Registrované v: WOS
5. [1.1] LI, Rongrong - YUE, Yuxue - CHEN, Zhi - CHEN, Xianlang - WANG, Saisai - JIANG, Zhao - WANG, Bolin - XU, Qianqian - HAN, Deman - ZHAO, Jia. Selective hydrogenation of acetylene over Pd-Sn catalyst: Identification of Pd₂Sn intermetallic alloy and crystal plane-dependent performance. In APPLIED CATALYSIS B-ENVIRONMENTAL. ISSN 0926-3373, 2020, vol. 279, 119348., Registrované v: WOS
6. [1.1] MARAKATTI, Vijaykumar S. - PETER, Sebastian C. Synthetically tuned electronic and geometrical properties of intermetallic compounds as effective heterogeneous catalysts. In PROGRESS IN SOLID STATE CHEMISTRY. ISSN 0079-6786, 2018, vol. 52, pp. 1-30., Registrované v: WOS
7. [1.1] MATSELKO, Oksana - ZIMMERMANN, Rene R. - ORMECI, Alim - BURKHARDT, Ulrich - GLADYSHEVSKII, Roman - GRIN, Yuri - ARMBRUESTER, Marc. Revealing Electronic Influences in the Semihydrogenation of Acetylene. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2018, vol. 122, no. 38, pp. 21891-21896., Registrované v: WOS
8. [1.1] MA, Ling-Ling - LV, Cun-Qin - WANG, Gui-Chang. A DFT study and micro-kinetic analysis of acetylene selective hydrogenation on Pd-doped Cu(111) surfaces. In APPLIED SURFACE SCIENCE. ISSN 0169-4332, 2017, vol. 410, pp. 154-165., Registrované v: WOS
9. [1.1] MEIER, M. - LEDIEU, J. - FOURNEE, V. - GAUDRY, E. Semihydrogenation of Acetylene on Al₅Co₂ Surfaces. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2017, vol. 121, no. 9, pp. 4958-4969., Registrované v: WOS
10. [1.1] RAO, De-Ming - SUN, Tao - YANG, Yu-Sen - YIN, Pan - PU, Min - YAN, Hong - WEI, Min. Theoretical study on the reaction mechanism and selectivity of acetylene semi-hydrogenation on Ni-Sn intermetallic catalysts. In PHYSICAL CHEMISTRY CHEMICAL PHYSICS. ISSN 1463-9076, 2019, vol. 21, no. 3, pp. 1384-1392., Registrované v: WOS
11. [1.1] RAO, De-Ming - ZHANG, Shi-Tong - LI, Chang-Ming - CHEN, Yu-Di - PU, Min - YAN, Hong - WEI, Min. The reaction mechanism and selectivity of acetylene hydrogenation over Ni-Ga intermetallic compound catalysts: a density functional theory study. In DALTON TRANSACTIONS. ISSN 1477-9226, 2018, vol. 47, no. 12, pp. 4198-4208., Registrované v: WOS
12. [1.1] SANDOVAL, M. - BECHTHOLD, P. - ORAZI, V. -

GONZALEZ, E. A. - JUAN, A. - JASEN, P. V. The role of Ga in the acetylene adsorption on PdGa intermetallic. In *APPLIED SURFACE SCIENCE*. ISSN 0169-4332, 2018, vol. 435, pp. 568-573., Registrované v: WOS

13. [1.1] SONG, Yuanjun - LAURSEN, Siris. Control of surface reactivity towards unsaturated C-C bonds and H over Ni-based intermetallic compounds in semi-hydrogenation of acetylene. In *JOURNAL OF CATALYSIS*. ISSN 0021-9517, 2019, vol. 372, pp. 151-162., Registrované v: WOS

ADCA683 KRAJČÍ, Marián - HAFNER, J. Structure and chemical reactivity of the polar three-fold surfaces of GaPd: A density-functional study. In *Journal of Chemical Physics*, 2013, vol. 138, no. 12, 124703. (2012: 3.164 - IF, Q1 - JCR, 1.832 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents). ISSN 0021-9606. Dostupné na: <https://doi.org/10.1063/1.4795435>

Ohlasy:

1. [1.1] KAUL, Indu - GHOSH, Prasenjit. First principles investigations of small bimetallic PdGa clusters as catalysts for hydrogen dissociation. In *CHEMICAL PHYSICS*. ISSN 0301-0104, 2017, vol. 487, pp. 87-96., Registrované v: WOS
2. [1.1] KETTNER, Miroslav - MAISEL, Sven - STUMM, Corinna - SCHWARZ, Matthias - SCHUSCHKE, Christian - GOERLING, Andreas - LIBUDA, Joerg. Pd-Ga model SCALMS: Characterization and stability of Pd single atom sites. In *JOURNAL OF CATALYSIS*. ISSN 0021-9517, 2019, vol. 369, pp. 33-46., Registrované v: WOS
3. [1.1] KUMAR, Nandha - GHOSH, Prasenjit. Structure and stability of clean and adsorbate covered intermetallic PdGa surfaces: A first principles study. In *SURFACE SCIENCE*. ISSN 0039-6028, 2016, vol. 644, no., pp. 69-79., Registrované v: WOS
4. [1.1] KUMAR, Nandha - GHOSH, Prasenjit. Selectivity and Reactivity of Pd-Rich PdGa Surfaces toward Selective Hydrogenation of Acetylene: Interplay of Surface Roughness and Ensemble Effect. In *JOURNAL OF PHYSICAL CHEMISTRY C*. ISSN 1932-7447, 2016, vol. 120, no. 50, pp. 28654-28663., Registrované v: WOS
5. [1.1] MORA-FONZ, David - LAZAUSKAS, Tomas - FARROW, Matthew R. - et al. Why Are Polar Surfaces of ZnO Stable? In *CHEMISTRY OF MATERIALS*. ISSN 0897-4756, 2017, vol. 29, no. 12, pp. 5306-5320., Registrované v: WOS
6. [1.1] RAO, De-Ming - SUN, Tao - YANG, Yu-Sen - YIN, Pan - PU, Min - YAN, Hong - WEI, Min. Theoretical study on the reaction mechanism and selectivity of acetylene semi-hydrogenation on Ni-Sn intermetallic catalysts. In *PHYSICAL CHEMISTRY CHEMICAL PHYSICS*. ISSN 1463-9076, 2019, vol. 21, no. 3, pp. 1384-1392., Registrované v: WOS
7. [1.1] SANDOVAL, M. - BECHTHOLD, P. - ORAZI, V. - GONZALEZ, E. A. - JUAN, A. - JASEN, P. V. The role of Ga in the acetylene adsorption on PdGa intermetallic. In *APPLIED SURFACE SCIENCE*. ISSN 0169-4332, 2018, vol. 435, pp. 568-573., Registrované v: WOS
8. [1.1] SONG, Yuanjun - HE, Yang - LAURSEN, Siris. Controlling Selectivity and Stability in the Hydrocarbon Wet-Reforming Reaction Using Well-Defined Ni plus Ga Intermetallic Compound Catalysts. In *ACS CATALYSIS*. ISSN 2155-5435, 2020, vol. 10, no. 16, pp. 8968-8980., Registrované v: WOS

9. [1.1] VILLASECA, S. Alarcon - LEVCHENKO, S. V. - ARMBRUESTER, M. CO adsorption on the GaPd((1)over-bar(1)over-bar(1)over-bar) surface: a comparative DFT study using different functionals. In PHYSICAL CHEMISTRY CHEMICAL PHYSICS. ISSN 1463-9076, 2016, vol. 18, no. 21, pp. 14390-14400., Registrované v: WOS

ADCA684 KRAJČÍ, Marián - HAFNER, Jürgen. Structure, stability, and electronic properties of the i-AlPdMn quasicrystalline surface. In *Physical Review B*, 2005, vol. 71, no. 5, 054202. (2004: 3.075 - IF, Current Contents - CCC). (2005 - Current Contents). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.71.054202>

Ohlasy:

1. [1.1] CHATELIER, Corentin - GARREAU, Yves - VLAD, Alina - LEDIEU, Julian - RESTA, Andrea - FOURNEE, Vincent - DE WEERD, Marie-Cecile - COATI, Alessandro - GAUDRY, Emilie. Pseudo-2-Fold Surface of the Al₁₃Co₄ Catalyst: Structure, Stability, and Hydrogen Adsorption. In ACS APPLIED MATERIALS & INTERFACES. ISSN 1944-8244, 2020, vol. 12, no. 35, pp. 39787-39797., Registrované v: WOS
2. [1.1] MADISON, Alexey E. Atomic structure of icosahedral quasicrystals: stacking multiple quasi-unit cells. In RSC ADVANCES. ISSN 2046-2069, 2015, vol. 5, no. 97, pp. 79279., Registrované v: WOS
3. [1.1] STEURER, Walter. Quasicrystals: What do we know? What do we want to know? What can we know? In ACTA CRYSTALLOGRAPHICA A-FOUNDATION AND ADVANCES. ISSN 2053-2733, 2018, vol. 74, pp. 1-11., Registrované v: WOS

ADCA685 KRAJČÍ, Marián - HAFNER, J. Surface structures of complex intermetallic compounds: An ab initio DFT study for the (100) surface of o-Al(13)Co(4). In *Physical Review B*, 2011, vol. 84, no. 11, 115410. (2010: 3.774 - IF, Q1 - JCR, 3.318 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.84.115410>

Ohlasy:

1. [1.1] GAUDRY, E. - CHATELIER, C. - MCGUIRK, G. M. - SERKOVIC LOLI, L. N. - DE WEERD, M.C. - LEDIEU, J. - FOURNEE, V. - FELICI, R. - DRNEC, J. - BEUTIER, G. - DE BOISSIEU, M. Structure of the Al₁₃Co₄(100) surface: Combination of surface x-ray diffraction and ab initio calculations. In PHYSICAL REVIEW B. ISSN 2469-9950, 2016, vol. 94, no. 16, 165406., Registrované v: WOS
2. [1.1] LEDIEU, Julian - GAUDRY, Emilie - PUSSI, Katariina - et al. Reconstruction of the Al₁₃Ru₄(010) Approximant Surface Leading to Anisotropic Molecular Adsorption. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2017, vol. 121, no. 40, pp. 22067-22072., Registrované v: WOS
3. [1.1] RAO, De-Ming - ZHANG, Shi-Tong - LI, Chang-Ming - CHEN, Yu-Di - PU, Min - YAN, Hong - WEI, Min. The reaction mechanism and selectivity of acetylene hydrogenation over Ni-Ga intermetallic compound catalysts: a density functional theory study. In DALTON TRANSACTIONS. ISSN 1477-9226, 2018, vol. 47, no. 12, pp. 4198-4208., Registrované v: WOS

ADCA686 KRAJČÍ, Marián - HAFNER, Jürgen - LEDIEU, L. - MCGRATH, R. Surface vacancies at the fivefold icosahedral Al-Pd-Mn quasicrystal surface: A comparison of ab initio calculated and experimental STM images. In *Physical Review B*, 2006, vol. 73, no. 2, 024202. (2005: 3.185 - IF, Q1 - JCR, 2.126 - SJR, Q1 - SJR, Current Contents - CCC). (2006 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.73.024202>

Ohlasy:

1. [1.1] CHATELIER, Corentin - GARREAU, Yves - VLAD, Alina - LEDIEU, Julian - RESTA, Andrea - FOURNEE, Vincent - DE WEERD, Marie-Cecile - COATI, Alessandro - GAUDRY, Emilie. Pseudo-2-Fold Surface of the Al₁₃Co₄ Catalyst: Structure, Stability, and Hydrogen Adsorption. In *ACS APPLIED MATERIALS & INTERFACES*. ISSN 1944-8244, 2020, vol. 12, no. 35, pp. 39787-39797., Registrované v: WOS
2. [1.1] MANIRAJ, M. - LYU, L. - MOUSAVION, S. - BECKER, S. - EMMERICH, S. - JUNGKERN, D. - SCHLAGEL, D. L. - LOGRASSO, T. A. - BARMAN, S. R. - MATHIAS, S. - STADTMUELLER, B. - AESCHLIMANN, M. Aperiodically ordered nano-graphene on the quasicrystalline substrate. In *NEW JOURNAL OF PHYSICS*. ISSN 1367-2630, 2020, vol. 22, no. 9, 093056., Registrované v: WOS

ADCA687 KRAJČÍ, Marián - HAFNER, J. Surfaces of intermetallic compounds: An ab initio DFT study for B20-type AlPd. In *Physical Review B*, 2013, vol. 87, no. 3, 035436. (2012: 3.767 - IF, Q1 - JCR, 1.779 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.87.035436>

Ohlasy:

1. [1.1] CORBETT, Joseph P. - ZHU, Tiancong - AHMED, Adam S. - TJUNG, Steven J. - REPICKY, Jacob J. - TAKEUCHI, Takahiro - GUERRERO-SANCHEZ, Jonathan - TAKEUCHI, Noboru - KAWAKAMI, Roland K. - GUPTA, Jay A. Determining Surface Terminations and Chirality of Noncentrosymmetric FeGe Thin Films via Scanning Tunneling Microscopy. In *ACS APPLIED MATERIALS & INTERFACES*. ISSN 1944-8244, 2020, vol. 12, no. 8, pp. 9896-9901., Registrované v: WOS
2. [1.1] CHATELIER, Corentin - GARREAU, Yves - VLAD, Alina - LEDIEU, Julian - RESTA, Andrea - FOURNEE, Vincent - DE WEERD, Marie-Cecile - COATI, Alessandro - GAUDRY, Emilie. Pseudo-2-Fold Surface of the Al₁₃Co₄ Catalyst: Structure, Stability, and Hydrogen Adsorption. In *ACS APPLIED MATERIALS & INTERFACES*. ISSN 1944-8244, 2020, vol. 12, no. 35, pp. 39787-39797., Registrované v: WOS
3. [1.1] CHTCHELKATCHEV, Nikolay M. - MAGNITSKAYA, Maria V. - TSVYASHCHENKO, Anatoly V. Ab initio study of noncentrosymmetric transition-metal monogermanide B20-RhGe synthesized at high temperature and pressure. In *EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS*. ISSN 1951-6355, 2020, vol. 229, no. 2-3, pp. 167-178., Registrované v: WOS
4. [1.1] RAO, De-Ming - ZHANG, Shi-Tong - LI, Chang-Ming - CHEN, Yu-Di - PU, Min - YAN, Hong - WEI, Min. The reaction mechanism and selectivity of acetylene hydrogenation over Ni-Ga intermetallic compound catalysts: a density functional theory study. In *DALTON TRANSACTIONS*. ISSN 1477-9226, 2018, vol. 47, no. 12, pp. 4198-4208., Registrované v: WOS
5. [1.1] TIMAOUI, M. A. - BOUAFIA, H. - SAHLI, B. - et al.

FP-(L)APW plus lo study of mechanical stability and electronic behavior of CoGe in B20 structure. In MATERIALS SCIENCE-POLAND. ISSN 2083-134X, 2017, vol. 35, no. 3, pp. 548-559., Registrované v: WOS

ADCA688 KRAJČÍ, Marián - HAFNER, J. The (210) surface of intermetallic B20 compound GaPd as a selective hydrogenation catalyst: A DFT study. In *Journal of Catalysis*, 2012, vol. 295, p. 70-80. (2011: 6.002 - IF, Q1 - JCR, 3.092 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents). ISSN 0021-9517. Dostupné na: <https://doi.org/10.1016/j.jcat.2012.07.025>

Ohlasy:

1. [1.1] BECHTHOLD, P. - SANDOVAL, M. - GONZALEZ, E. A. - BRIZUELA, G. - BONIVARDI, A. - JASEN, P. V. The Electronic Structure and Bonding of Acetylene on PdGa(110). In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2015, vol. 119, no. 32, pp. 18229., Registrované v: WOS
2. [1.1] FURUKAWA, Shinya - KOMATSU, Takayuki. Intermetallic Compounds: Promising Inorganic Materials for Well-Structured and Electronically Modified Reaction Environments for Efficient Catalysis. In ACS CATALYSIS. ISSN 2155-5435, 2017, vol. 7, no. 1, pp. 735-765., Registrované v: WOS
3. [1.1] GAUDRY, E. - CHATELIER, C. - LOFFREDA, D. - KANDASKALOV, D. - COATI, A. - PICCOLO, L. Catalytic activation of a non-noble intermetallic surface through nanostructuring under hydrogenation conditions revealed by atomistic thermodynamics. In JOURNAL OF MATERIALS CHEMISTRY A. ISSN 2050-7488, 2020, vol. 8, no. 15, pp. 7422-7431., Registrované v: WOS
4. [1.1] HU, Maocong - WANG, Xianqin. Effect of N₃(-) species on selective acetylene hydrogenation over Pd/SAC catalysts. In CATALYSIS TODAY. ISSN 0920-5861, 2016, vol. 263, no., pp. 98-104., Registrované v: WOS
5. [1.1] CHATELIER, Corentin - GARREAU, Yves - VLAD, Alina - LEDIEU, Julian - RESTA, Andrea - FOURNEE, Vincent - DE WEERD, Marie-Cecile - COATI, Alessandro - GAUDRY, Emilie. Pseudo-2-Fold Surface of the Al₁₃Co₄ Catalyst: Structure, Stability, and Hydrogen Adsorption. In ACS APPLIED MATERIALS & INTERFACES. ISSN 1944-8244, 2020, vol. 12, no. 35, pp. 39787-39797., Registrované v: WOS
6. [1.1] CHATELIER, Corentin - GARREAU, Yves - PICCOLO, Laurent - VLAD, Alina - RESTA, Andrea - LEDIEU, Julian - FOURNEE, Vincent - DE WEERD, Marie-Cecile - PICCA, Frederic-Emmanuel - DE BOISSIEU, Marc - FELICI, Roberto - COATI, Alessandro - GAUDRY, Emilie. From the Surface Structure to Catalytic Properties of Al₅Co₂(2(1)over-bar0): A Study Combining Experimental and Theoretical Approaches. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2020, vol. 124, no. 8, pp. 4552-4562., Registrované v: WOS
7. [1.1] KAMEOKA, Satoshi - KRAJCI, Marian - TSAI, An Pang. Highly selective semi-hydrogenation of acetylene over porous gold with twin boundary defects. In APPLIED CATALYSIS A-GENERAL. ISSN 0926-860X, 2019, vol. 569, pp. 101-109., Registrované v: WOS
8. [1.1] KAUL, Indu - GHOSH, Prasenjit. First principles investigations of small bimetallic PdGa clusters as catalysts for hydrogen dissociation. In

CHEMICAL PHYSICS. ISSN 0301-0104, 2017, vol. 487, pp. 87-96.,
Registrované v: WOS

9. [1.1] KUMAR, Nandha - GHOSH, Prasenjit. Structure and stability of clean and adsorbate covered intermetallic PdGa surfaces: A first principles study. In SURFACE SCIENCE. ISSN 0039-6028, 2016, vol. 644, no., pp. 69-79., Registrované v: WOS

10. [1.1] KUMAR, Nandha - GHOSH, Prasenjit. Selectivity and Reactivity of Pd-Rich PdGa Surfaces toward Selective Hydrogenation of Acetylene: Interplay of Surface Roughness and Ensemble Effect. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2016, vol. 120, no. 50, pp. 28654-28663., Registrované v: WOS

11. [1.1] LEDIEU, J. - DE WEERD, M.C - HAHNE, M. - GILLE, P. - FOURNEE, V. Pseudomorphic growth mode of Pb on the Al₁₃Fe₄(010) approximant surface. In APPLIED SURFACE SCIENCE. ISSN 0169-4332, 2015, vol. 356, pp. 862., Registrované v: WOS

12. [1.1] LIU, Yuxi - LIU, Xiangwen - FENG, Quanchen - HE, Dongsheng - ZHANG, Libo - LIAN, Chao - SHEN, Rongan - ZHAO, Guofeng - JI, Yongjun - WANG, Dingsheng - ZHOU, Gang - LI, Yadong. Intermetallic Ni₃My (M = Ga and Sn) Nanocrystals: A Non-precious Metal Catalyst for Semi-Hydrogenation of Alkynes. In ADVANCED MATERIALS. ISSN 0935-9648, 2016, vol. 28, no. 23, pp. 4747-4754., Registrované v: WOS

13. [1.1] LI, Qingyuan - WANG, Yuxin - SKOPTSOV, George - HU, Jianli. Selective Hydrogenation of Acetylene to Ethylene over Bimetallic Catalysts. In INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH. ISSN 0888-5885, 2019, vol. 58, no. 45, pp. 20620-20629., Registrované v: WOS

14. [1.1] LI, Rongrong - YUE, Yuxue - CHEN, Zhi - CHEN, Xianlang - WANG, Saisai - JIANG, Zhao - WANG, Bolin - XU, Qianqian - HAN, Deman - ZHAO, Jia. Selective hydrogenation of acetylene over Pd-Sn catalyst: Identification of Pd₂Sn intermetallic alloy and crystal plane-dependent performance. In APPLIED CATALYSIS B-ENVIRONMENTAL. ISSN 0926-3373, 2020, vol. 279, 119348., Registrované v: WOS

15. [1.1] MARAKATTI, Vijaykumar S. - PETER, Sebastian C. Synthetically tuned electronic and geometrical properties of intermetallic compounds as effective heterogeneous catalysts. In PROGRESS IN SOLID STATE CHEMISTRY. ISSN 0079-6786, 2018, vol. 52, pp. 1-30., Registrované v: WOS

16. [1.1] MEIER, M. - LEDIEU, J. - FOURNEE, V. - GAUDRY, E. Semihydrogenation of Acetylene on Al₅Co₂ Surfaces. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2017, vol. 121, no. 9, pp. 4958-4969., Registrované v: WOS

17. [1.1] RAO, De-Ming - SUN, Tao - YANG, Yu-Sen - YIN, Pan - PU, Min - YAN, Hong - WEI, Min. Theoretical study on the reaction mechanism and selectivity of acetylene semi-hydrogenation on Ni-Sn intermetallic catalysts. In PHYSICAL CHEMISTRY CHEMICAL PHYSICS. ISSN 1463-9076, 2019, vol. 21, no. 3, pp. 1384-1392., Registrované v: WOS

18. [1.1] SANDOVAL, M. - BECHTHOLD, P. - ORAZI, V. - GONZALEZ, E. A. - JUAN, A. - JASEN, P. V. The role of Ga in the acetylene adsorption on PdGa intermetallic. In APPLIED SURFACE SCIENCE. ISSN 0169-4332, 2018, vol. 435, pp. 568-573., Registrované v: WOS

19. [1.1] SIMON, Ilka - HORNUNG, Julius - BARTHEL, Juri -

THOMAS, Joerg - FINZE, Maik - FISCHER, Roland A. - JANIÁK, Christoph. Synthesis of nickel/gallium nanoalloys using a dual-source approach in 1-alkyl-3-methylimidazole ionic liquids. In BEILSTEIN JOURNAL OF NANOTECHNOLOGY. ISSN 2190-4286, 2019, vol. 10, pp. 1754-1767., Registrované v: WOS

20. [1.1] SONG, Yuanjun - LAURSEN, Siris. Control of surface reactivity towards unsaturated C-C bonds and H over Ni-based intermetallic compounds in semi-hydrogenation of acetylene. In JOURNAL OF CATALYSIS. ISSN 0021-9517, 2019, vol. 372, pp. 151-162., Registrované v: WOS

21. [1.1] ZHOU, Huiran - YANG, Xiaofeng - LI, Lin - LIU, Xiaoyan - HUANG, Yanqiang - PAN, Xiaoli - WANG, Aiqin - LI, Jun - ZHANG, Tao. PdZn Intermetallic Nanostructure with Pd-Zn-Pd Ensembles for Highly Active and Chemoselective Semi-Hydrogenation of Acetylene. In ACS CATALYSIS. ISSN 2155-5435, 2016, vol. 6, no. 2, pp. 1054-1061., Registrované v: WOS

22. [1.1] ZHOU, Yanan - SUN, Wenjing - CHU, Wei - ZHENG, Jian - GAO, Xiaoping - ZHOU, Xuan - XUE, Ying. Adsorption of acetylene on ordered NixAg1-x/Ni (111) and effect of Ag-dopant: A DFT study. In APPLIED SURFACE SCIENCE. ISSN 0169-4332, 2018, vol. 435, pp. 521-528., Registrované v: WOS

ADCA689 KRAJČÍ, Marián - HAFNER, J. Topologically induced semiconductivity in icosahedral Al-Pd-Re and its approximants. In *Physical Review B*, 2007, vol. 75, no. 2, 024116. (2006: 3.107 - IF, Q1 - JCR, 2.620 - SJR, Q1 - SJR, Current Contents - CCC). (2007 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.75.024116>

Ohlasy:

1. [1.1] KITAHARA, Koichi - TAKAGIWA, Yoshiki - KIMURA, Kaoru. Semimetallic Band Structure and Cluster-Based Description of a Cubic Quasicrystalline Approximant in the Al-Cu-Ir System. In JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN. ISSN 0031-9015, 2015, vol. 84, no. 1, 014703., Registrované v: WOS

2. [1.1] RAPP, O. Reinterpretation of the zero-temperature conductivity in icosahedral AlPdRe. In PHYSICAL REVIEW B. ISSN 2469-9950, 2016, vol. 94, no. 2, 024202., Registrované v: WOS

3. [1.1] TAKAHASHI, Takahiro - KITAHARA, Koichi - KATSURA, Yukari - OKADA, Junpei - MATSUSHITA, Yu-ichiro - KIMURA, Kaoru. Search for the boron quasicrystal by first-principle-calculation. In SOLID STATE SCIENCES. ISSN 1293-2558, 2020, vol. 108, 106377., Registrované v: WOS

4. [1.1] TOMCZAK, Jan M. Thermoelectricity in correlated narrow-gap semiconductors. In JOURNAL OF PHYSICS-CONDENSED MATTER. ISSN 0953-8984, 2018, vol. 30, no. 18, 183001., Registrované v: WOS

ADCA690 KRAJČÍ, Marián - KAMEOKA, S. - TSAI, An-Pang. Twinning in fcc lattice creates low-coordinated catalytically active sites in porous gold. In *Journal of Chemical Physics*, 2016, vol. 145, no. 8, 084703. (2015: 2.894 - IF, Q2 - JCR, 1.255 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0021-9606. Dostupné na: <https://doi.org/10.1063/1.4961508>

Ohlasy:

1. [1.1] ISHIDA, Tamao - MURAYAMA, Toru - TAKETOSHI, Ayako

- HARUTA, Masatake. Importance of Size and Contact Structure of Gold Nanoparticles for the Genesis of Unique Catalytic Processes. In CHEMICAL REVIEWS. ISSN 0009-2665, 2020, vol. 120, no. 2, pp. 464-525., Registrované v: WOS

2. [1.1] TOMASCHUN, Gabriele - DONONELLI, Wilke - LI, Yong - BAEUMER, Marcus - KLUENER, Thorsten - MOSKALEVA, Lyudmila V. Methanol oxidation on the Au(310) surface: A theoretical study. In JOURNAL OF CATALYSIS. ISSN 0021-9517, 2018, vol. 364, pp. 216-227., Registrované v: WOS

3. [1.1] WANG, L. C. - ZHONG, Y. - WIDMANN, D. - WEISSMUELLER, J. - BEHM, R. J. Oxygen Adsorption and Low-Temperature CO Oxidation on a Nanoporous Au Catalyst: Reaction Mechanism and Foreign Metal Effects. In TOPICS IN CATALYSIS. ISSN 1022-5528, 2018, vol. 61, no. 5-6, pp. 446-461., Registrované v: WOS

ADCA691 KRAJČÍ, Marián - KAMEOKA, Satoshi - TSAI, An-Pang. Understanding the catalytic activity of nanoporous gold: Role of twinning in fcc lattice. In *Journal of Chemical Physics*, 2017, vol. 147, art. no. 044713. (2016: 2.965 - IF, Q2 - JCR, 1.486 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 0021-9606. Dostupné na: <https://doi.org/10.1063/1.4994701>

Ohlasy:

1. [1.1] LI, Yong - LI, Shikun - BAEUMER, Marcus - IVANOVA-SHOR, Elena A. - MOSKALEVA, Lyudmila V. What Changes on the Inverse Catalyst? Insights from CO Oxidation on Au-Supported Ceria Nanoparticles Using Ab Initio Molecular Dynamics. In ACS CATALYSIS. ISSN 2155-5435, 2020, vol. 10, no. 5, pp. 3164-3174., Registrované v: WOS

2. [1.1] MONTEMORE, Matthew M. - VAN SPRONSEN, Matthijs A. - MADIX, Robert J. - FRIEND, Cynthia M. O₂ Activation by Metal Surfaces: Implications for Bonding and Reactivity on Heterogeneous Catalysts. In CHEMICAL REVIEWS. ISSN 0009-2665, 2018, vol. 118, no. 5, pp. 2816-2862., Registrované v: WOS

3. [1.1] TOMASCHUN, Gabriele - DONONELLI, Wilke - LI, Yong - BAEUMER, Marcus - KLUENER, Thorsten - MOSKALEVA, Lyudmila V. Methanol oxidation on the Au(310) surface: A theoretical study. In JOURNAL OF CATALYSIS. ISSN 0021-9517, 2018, vol. 364, pp. 216-227., Registrované v: WOS

4. [1.1] WANG, L. C. - ZHONG, Y. - WIDMANN, D. - WEISSMUELLER, J. - BEHM, R. J. Oxygen Adsorption and Low-Temperature CO Oxidation on a Nanoporous Au Catalyst: Reaction Mechanism and Foreign Metal Effects. In TOPICS IN CATALYSIS. ISSN 1022-5528, 2018, vol. 61, no. 5-6, pp. 446-461., Registrované v: WOS

ADCA692 KRAJČÍ, Marián - TSAI, A.-P. - HAFNER, J. Understanding the selectivity of methanol steam reforming on the (111) surfaces of NiZn, PdZn and PtZn: Insights from DFT. In *Journal of Catalysis*, 2015, vol. 330, p. 6-18. (2014: 6.921 - IF, Q1 - JCR, 2.688 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents). ISSN 0021-9517. Dostupné na: <https://doi.org/10.1016/j.jcat.2015.06.020>

Ohlasy:

1. [1.1] AJAMEIN, Hossein - HAGHIGHI, Mohammad. On the microwave enhanced combustion synthesis of CuO-ZnO-Al₂O₃ nanocatalyst

used in methanol steam reforming for fuel cell grade hydrogen production: Effect of microwave irradiation and fuel ratio. In *ENERGY CONVERSION AND MANAGEMENT*. ISSN 0196-8904, 2016, vol. 118, no., pp. 231-242., Registrované v: WOS

2. [1.1] AJAMEIN, Hossein - HAGHIGHI, Mohammad. Influence of ambient gas on microwave-assisted combustion synthesis of CuO-ZnO-Al₂O₃ nanocatalyst used in fuel cell grade hydrogen production via methanol steam reforming. In *CERAMICS INTERNATIONAL*. ISSN 0272-8842, 2016, vol. 42, no. 16, pp. 17978-17989., Registrované v: WOS

3. [1.1] AJAMEIN, Hossein - HAGHIGHI, Mohammad - MINAEI, Shahab - ALAEI, Shervin. Texture/phase evolution during microwave fabrication of nanocrystalline multicomponent (Cu/Zn/Al)O metal oxides with varying diethylene glycol content applied in hydrogen production. In *INTERNATIONAL JOURNAL OF HYDROGEN ENERGY*. ISSN 0360-3199, 2018, vol. 43, no. 51, pp. 22838-22851., Registrované v: WOS

4. [1.1] BRIX, Florian - DESBUIIS, Valentin - PICCOLO, Laurent - GAUDRY, Emilie. Tuning Adsorption Energies and Reaction Pathways by Alloying: PdZn versus Pd for CO₂ Hydrogenation to Methanol. In *JOURNAL OF PHYSICAL CHEMISTRY LETTERS*. ISSN 1948-7185, 2020, vol. 11, no. 18, pp. 7672-7678., Registrované v: WOS

5. [1.1] FAN, Feiyue - ZHAO, Long - HOU, Hong - ZHANG, Qi. Insights into the CO Formation Mechanism during Steam Reforming of Dimethyl Ether over NiO/Cu-Based Catalyst. In *INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH*. ISSN 0888-5885, 2019, vol. 58, no. 8, pp. 3440-3449., Registrované v: WOS

6. [1.1] FURUKAWA, Shinya - KOMATSU, Takayuki. Intermetallic Compounds: Promising Inorganic Materials for Well-Structured and Electronically Modified Reaction Environments for Efficient Catalysis. In *ACS CATALYSIS*. ISSN 2155-5435, 2017, vol. 7, no. 1, pp. 735-765., Registrované v: WOS

7. [1.1] CHEN, Minda - HAN, Yong - GOH, Tian Wei - SUN, Rong - MALIGAL-GANESH, Raghu V. - PEI, Yuchen - TSUNG, Chia-Kuang - EVANS, James W. - HUANG, Wenyu. Kinetics, energetics, and size dependence of the transformation from Pt to ordered PtSn intermetallic nanoparticles. In *NANOSCALE*. ISSN 2040-3364, 2019, vol. 11, no. 12, pp. 5336-5345., Registrované v: WOS

8. [1.1] KE, Changming - LIN, Zijong. Catalytic Effect of Hydrogen Bond on Oxhydryl Dehydrogenation in Methanol Steam Reforming on Ni(111). In *MOLECULES*, 2020, vol. 25, no. 7, 1531., Registrované v: WOS

9. [1.1] KOBAYASHI, Yasukazu - SOHMIYA, Minoru - TADA, Shohei - KIKUCHI, Ryuji. Low-temperature Synthesis of Single Phase Intermetallic NiZn Bulk Nanopowder in Molten LiCl-KCl with CaH₂ Reducing Agent. In *JOURNAL OF THE JAPAN PETROLEUM INSTITUTE*. ISSN 1346-8804, 2020, vol. 63, no. 6, pp. 380-387., Registrované v: WOS

10. [1.1] LIU, Di - MEN, Yong - WANG, Jinguo - KOLB, Gunther - LIU, Xin - WANG, Yuanqiang - SUN, Qiuyan. Highly active and durable Pt/In₂O₃/Al₂O₃ catalysts in methanol steam reforming. In *INTERNATIONAL JOURNAL OF HYDROGEN ENERGY*. ISSN 0360-3199, 2016, vol. 41, no. 47, pp. 21990-21999., Registrované v: WOS

11. [1.1] LIU, Xin - MEN, Yong - WANG, Jinguo - HE, Rong - WANG,

- Yuanqiang. Remarkable support effect on the reactivity of Pt/In₂O₃/MO_x catalysts for methanol steam reforming. In JOURNAL OF POWER SOURCES. ISSN 0378-7753, 2017, vol. 364, pp. 341-350., Registrované v: WOS
12. [1.1] LI, Xiaoyu - LI, Lin - LIN, Jian - QIAO, Botao - YANG, Xiaofeng - WANG, Aiqin - WANG, Xiaodong. Reactivity of Methanol Steam Reforming on ZnPd Intermetallic Catalyst: Understanding from Microcalorimetric and FT-IR Studies. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2018, vol. 122, no. 23, pp. 12395-12403., Registrované v: WOS
13. [1.1] SEYEDI, Ali Motevalian - HAGHIGHI, Mohammad - RAHEMI, Nader. Significant influence of cutting-edge plasma technology on catalytic properties and performance of CuO-ZnO-Al₂O₃-ZrO₂ nanocatalyst used in methanol steam reforming for fuel cell grade hydrogen production. In CERAMICS INTERNATIONAL. ISSN 0272-8842, 2017, vol. 43, no. 8, pp. 6201-6213., Registrované v: WOS
14. [1.1] WANG, Sha-Sha - GU, Xiang-Kui - SU, Hai-Yan - LI, Wei-Xue. First-Principles and Microkinetic Simulation Studies of the Structure Sensitivity of Cu Catalyst for Methanol Steam Reforming. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2018, vol. 122, no. 20, pp. 10811-10819., Registrované v: WOS
15. [1.1] WU, Panpan - YANG, Bo. Intermetallic PdIn catalyst for CO₂ hydrogenation to methanol: mechanistic studies with a combined DFT and microkinetic modeling method. In CATALYSIS SCIENCE & TECHNOLOGY. ISSN 2044-4753, 2019, vol. 9, no. 21, pp. 6102-6113., Registrované v: WOS
16. [1.1] WU, Panpan - ZAFFRAN, Jeremie - YANG, Bo. Role of Surface Species Interactions in Identifying the Reaction Mechanism of Methanol Synthesis from CO₂ Hydrogenation over Intermetallic PdIn(310) Steps. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2019, vol. 123, no. 22, pp. 13615-13623., Registrované v: WOS
17. [1.1] YAN, Peijian - TIAN, Pengfei - CAI, Cheng - ZHOU, Shenghu - YU, Xinhai - ZHAO, Shuangliang - TU, Shan-Tung - DENG, Chengwei - SUN, Yi. Antioxidative and stable PdZn/ZnO/Al₂O₃ catalyst coatings concerning methanol steam reforming for fuel cell-powered vehicles. In APPLIED ENERGY. ISSN 0306-2619, 2020, vol. 268, 115043., Registrované v: WOS
18. [1.1] ZHOU, Huiran - YANG, Xiaofeng - LI, Lin - LIU, Xiaoyan - HUANG, Yanqiang - PAN, Xiaoli - WANG, Aiqin - LI, Jun - ZHANG, Tao. PdZn Intermetallic Nanostructure with Pd-Zn-Pd Ensembles for Highly Active and Chemoselective Semi-Hydrogenation of Acetylene. In ACS CATALYSIS. ISSN 2155-5435, 2016, vol. 6, no. 2, pp. 1054-1061., Registrované v: WOS
19. [1.1] ZUO, Zhi-Jun - GAO, Xiao-Yu - HAN, Pei-De - LIU, Shi-Zhong - HUANG, Wei. Density Functional Theory (DFT) and Kinetic Monte Carlo (KMC) Study of the Reaction Mechanism of Hydrogen Production from Methanol on ZnCu(111). In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2016, vol. 120, no. 48, pp. 27500-27508., Registrované v: WOS

ADCA693 KRAJŇÁK, Tomáš** - MINÁRIK, P. - STRÁSKÁ, J. - GUBICZA, J. - MÁTHIS, K. - JANEČEK, M. Influence of equal channel angular pressing temperature on texture, microstructure and mechanical properties of extruded AX41 magnesium. In *Journal of Alloys and Compounds*, 2017, vol. 705, p. 273-282. (2016: 3.133 - IF, Q1 - JCR, 0.954 - SJR, Q1 - SJR, Current Contents - CCC). (2017

- Current Contents). ISSN 0925-8388. Dostupné na:
<https://doi.org/10.1016/j.jallcom.2017.02.061>

Ohlasy:

1. [1.1] BEDNARCZYK, Wiktor - KAWALKO, Jakub - WATROBA, Maria - BALA, Piotr. Achieving room temperature superplasticity in the Zn-0.5Cu alloy processed via equal channel angular pressing. In MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING. ISSN 0921-5093, 2018, vol. 723, pp. 126-133., Registrované v: WOS
2. [1.1] FU, Yantao - SUN, Jiapeng - YANG, Zhenquan - XU, Bingqian - HAN, Jing - CHEN, Yifei - JIANG, Jinghua - MA, Aibin. Aging behavior of a fine-grained Mg-10.6Gd-2Ag alloy processed by ECAP. In MATERIALS CHARACTERIZATION. ISSN 1044-5803, 2020, vol. 165, 110398., Registrované v: WOS
3. [1.1] HAN, Tingzhuang - HUANG, Guangsheng - DENG, Qianyan - WANG, Guangang - JIANG, Bin - TANG, Aitao - ZHU, Yuntian - PAN, Fusheng. Grain refining and mechanical properties of AZ31 alloy processed by accumulated extrusion bonding. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2018, vol. 745, pp. 599-608., Registrované v: WOS
4. [1.1] HA, Changwan - BOHLEN, Jan - YI, Sangbong - ZHOU, Xiaohua - BROKMEIER, Heinz-Guenter - SCHELL, Norbert - LETZIG, Dietmar - KAINER, Karl Ulrich. Influence of Nd or Ca addition on the dislocation activity and texture changes of Mg-Zn alloy sheets under uniaxial tensile loading. In MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING. ISSN 0921-5093, 2019, vol. 761, 138053., Registrované v: WOS
5. [1.1] KHORASANI, F. - EMAMY, M. - MALEKAN, M. - MIRZADEH, H. - POURBAHARI, B. - KRAJNAK, T. - MINARIK, P. Enhancement of the microstructure and elevated temperature mechanical properties of as-cast Mg-Al₂Ca-Mg₂Ca in-situ composite by hot extrusion. In MATERIALS CHARACTERIZATION. ISSN 1044-5803, 2019, vol. 147, pp. 155-164., Registrované v: WOS
6. [1.1] LU, Liwei - YIN, Zhenru - ZHAO, Jun - SHI, Dongfeng - LIU, Chuming. Microstructure and mechanical properties of AZ31 Mg alloy produced by a new compound extrusion technique. In MATERIALS TESTING. ISSN 0025-5300, 2018, vol. 60, no. 10, pp. 1021-1025., Registrované v: WOS
7. [1.1] SHI, Xiaofang - LI, Wei - HU, Weiwei - TAN, Yun - ZHANG, Zhenglai - TIAN, Liang. Effect of ECAP on the Microstructure and Mechanical Properties of a Rolled Mg-2Y-0.6Nd-0.6Zr Magnesium Alloy. In CRYSTALS. ISSN 2073-4352, 2019, vol. 9, no. 11, 586., Registrované v: WOS
8. [1.1] TAN, Yun - LI, Wei - HU, Weiwei - SHI, Xiaofang - TIAN, Liang. The Effect of ECAP Temperature on the Microstructure and Properties of a Rolled Rare Earth Magnesium Alloy. In MATERIALS. ISSN 1996-1944, 2019, vol. 12, no. 9, 1554., Registrované v: WOS
9. [1.1] TONG, L. B. - CHU, J. H. - JIANG, Z. H. - KAMADO, S. - ZHENG, M. Y. Ultra-fine grained Mg-Zn-Ca-Mn alloy with simultaneously improved strength and ductility processed by equal channel angular pressing. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2019, vol. 785, pp. 410-421., Registrované v: WOS

10. [1.1] TROJANOVA, Zuzanka - SZARAZ, Zoltan - LUKAC, Pavel - DROZD, Zdenek - DZUGAN, Jan. Strengthening and Thermally Activated Processes in an AX61/Saffil Metal Matrix Composite. In CRYSTALS. ISSN 2073-4352, 2020, vol. 10, no. 6, 466., Registrované v: WOS
11. [1.1] WANG, Ce - MA, Aibin - SUN, Jiapeng - LIU, Huan - HUANG, He - YANG, Zhenquan - JIANG, Jinghua. Effect of ECAP process on as-cast and as-homogenized Mg-Al-Ca-Mn alloys with different Mg2Ca morphologies. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2019, vol. 793, pp. 259-270., Registrované v: WOS
12. [1.1] WANG, Zongshen - GUAN, Yanjin - WANG, Tao - ZHANG, Qian - WEI, Xiuting - FANG, Xiaoying - ZHU, Guangming - GAO, Shan. Microstructure and mechanical properties of AZ31 magnesium alloy sheets processed by constrained groove pressing. In MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING. ISSN 0921-5093, 2019, vol. 745, pp. 450-459., Registrované v: WOS
13. [1.1] WANG, Zongshen - WANG, Kangning - WANG, Xiebin - WANG, Tao - ZHU, Lihua - GUAN, Yanjin. Warm Tensile Deformation and Fracture Behavior of AZ31 Magnesium Alloy Sheets Processed by Constrained Groove Pressing. In JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE. ISSN 1059-9495, 2020, vol. 29, no. 11, pp. 7662-7677., Registrované v: WOS
14. [1.1] XU, Qiong - MA, Aibin - LI, Yuhua - SALEH, Bassiouny - YUAN, Yuchun - JIANG, Jinghua - NI, Chaoying. Enhancement of Mechanical Properties and Rolling Formability in AZ91 Alloy by RD-ECAP Processing. In MATERIALS, 2019, vol. 12, no. 21, 3503., Registrované v: WOS
15. [1.1] YU, Huan - ZHOU, Haiping - SUN, Yu - REN, Lili - WAN, Zhipeng - HU, Lianxi. Microstructures and mechanical properties of ultrafine-grained Ti/AZ31 magnesium matrix composite prepared by powder metallurgy. In ADVANCED POWDER TECHNOLOGY. ISSN 0921-8831, 2018, vol. 29, no. 12, pp. 3241-3249., Registrované v: WOS
16. [1.1] ZHOU, Pengwen - WANG, Hongxia - NIE, Huihui - CHENG, Weili - NIU, Xiaofeng - WANG, Zhiwen - LIANG, Wei. Effect of ECAP temperature on precipitation and strengthening mechanisms of Mg-9Al-1Si alloys. In JOURNAL OF MATERIALS RESEARCH. ISSN 0884-2914, 2018, vol. 33, no. 12, pp. 1822-1829., Registrované v: WOS

ADCA694 KRAJŇÁK, Tomáš** - MINÁRIK, Peter - STRÁSKÁ, Jitka - GUBICZA, Jenó - MÁTHIS, Kristián - JANEČEK, Miloš. Influence of the initial state on the microstructure and mechanical properties of AX41 alloy processed by ECAP. In *The Journal of Materials Science*, 2019, vol. 54, no. 4, p. 3469 -3484. (2018: 3.442 - IF, Q2 - JCR, 0.823 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 0022-2461. Dostupné na: <https://doi.org/10.1007/s10853-018-3033-6>

Ohlasy:

1. [1.1] DAI, Shuai - WANG, Feng - WANG, Zhi - LIU, Zheng - MAO, Pingli. Microstructure, mechanical properties, and texture evolution of Mg-Zn-Y-Zr alloy fabricated by hot extrusion-shearing process. In JOURNAL OF MATERIALS SCIENCE. ISSN 0022-2461, 2020, vol. 55, no. 1, pp. 375-388., Registrované v: WOS

2. [1.1] MARTYNENKO, N. - LUKYANOVA, E. - SEREBRYANY, V - PROSVIRNIN, D. - THERENTIEV, V - RAAB, G. - DOBATKIN, S. - ESTRIN, Y. Effect of equal channel angular pressing on structure, texture, mechanical and in-service properties of a biodegradable magnesium alloy. In MATERIALS LETTERS. ISSN 0167-577X, 2019, vol. 238, pp. 218-221., Registrované v: WOS
3. [1.1] SONIA, Pankaj - JAIN, Jinesh Kumar - SAXENA, Kuldeep K. Influence of Severe Metal Forming Processes on Microstructure and Mechanical Properties of Mg alloys. In ADVANCES IN MATERIALS AND PROCESSING TECHNOLOGIES. ISSN 2374-068X, 2020, vol., no., pp., Registrované v: WOS
4. [1.1] XU, Bingqian - SUN, Jiapeng - YANG, Zhenquan - XIAO, Lirong - ZHOU, Hao - HAN, Jing - LIU, Huan - WU, Yuna - YUAN, Yuchun - ZHUO, Xiaoru - SONG, Dan - JIANG, Jinghua - MA, Aibin. Microstructure and anisotropic mechanical behavior of the high-strength and ductility AZ91 Mg alloy processed by hot extrusion and multi-pass RD-ECAP. In MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING. ISSN 0921-5093, 2020, vol. 780, 139191., Registrované v: WOS
5. [1.1] ZHANG, Huijing - ZHAO, Xiaohui - XU, Desheng - LIU, Yu - QIU, Xiaoming. New insight into high frequency impacting and rolling of 2A12 aluminum welded joint involving nanocrystallization. In APPLIED SURFACE SCIENCE. ISSN 0169-4332, 2019, vol. 488, pp. 115-127., Registrované v: WOS

ADCA695 KRAJŇÁK, Tomáš** - MINÁRIK, Peter - STRÁSKÝ, Josef - MÁTHIS, Kristián - JANEČEK, Miloš. Mechanical properties of ultrafine-grained AX41 magnesium alloy at room and elevated temperatures. In *Materials Science and Engineering A - Structural Materials Properties Microstructure and Processing*, 2018, vol. 731, p. 438 - 445. (2017: 3.414 - IF, Q1 - JCR, 1.694 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 0921-5093. Dostupné na: <https://doi.org/10.1016/j.msea.2017.10.076>

Ohlasy:

1. [1.1] DAI, Jianwei - NIE, Yujin - ZHANG, Xiaobo. Ambient and elevated temperature mechanical behavior of Mg-Gd-Cu-Zr alloy. In MATERIALS RESEARCH EXPRESS. ISSN 2053-1591, 2018, vol. 5, no. 11, 116524., Registrované v: WOS
2. [1.1] SAWICKI, J. - SWINIARSKI, J. - STEGLINSKI, M. - BYCZKOWSKA, P. NUMERICAL ANALYSIS OF TWIST EXTRUSION PRESSING OF Al-Mg-Mn-Sc-Zr SCALMALLOY. In ARCHIVES OF METALLURGY AND MATERIALS. ISSN 1733-3490, 2018, vol. 63, no. 3, pp. 1385-1392., Registrované v: WOS

ADCA696 KRAUS, Luděk - MALÁTEK, Michal - POSTAVA, Kamil - JANIČKOVIČ, Dušan. Asymmetric giant magnetoimpedance in stress-field annealed CoFeBSi amorphous ribbons. In *Journal of Magnetism and Magnetic Materials*, 2005, vol. 290-291, p. 1131-1133. Dostupné na: <https://doi.org/10.1016/j.jmmm.2004.11.474>

Ohlasy:

1. [1.1] HAJIALI, Mohammadreza - ASHTIANI, Mohammad Javad Kamali - JAMILPANAH, Loghman - JAFARI, Gholamreza - MOHSENI, Majid. Exchange bias training effect in IrMn-layer/ferromagnetic-ribbon heterostructures probed with magnetoimpedance. In SUPERLATTICES AND

MICROSTRUCTURES. ISSN 0749-6036, 2020, vol. 147, 106710., Registrované v: WOS

2. [1.1] KIKUCHI, Hiroaki - KAMATA, Shingo - SUMIDA, Chichiro - NAKAI, Tomoo - HASHI, Shuichiro - ISHIYAMA, Kazushi. Enhancement of impedance change at low frequency in a thin-film magnetoimpedance element. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2016, vol. 420, pp. 269-274., Registrované v: WOS

3. [1.1] KIKUCHI, H. - KAMATA, S. - OE, S. - NAKAI, T. - HASHI, S. - ISHIYAMA, K. Improvement of Stepped Magnetoimpedance Properties by Controlling the Demagnetizing Effect. In IEEE TRANSACTIONS ON MAGNETICS. ISSN 0018-9464, 2015, vol. 51, no. 11, 4004304., Registrované v: WOS

ADCA697 KRAUS, L. - ŠVEC, Peter - BYDŽOVSKÝ, J. Amorphous CoFeCrSiB ribbons for strain sensing applications. In *Journal of Magnetism and Magnetic Materials*, 2002, vol. 242, p. 241-243. (2001: 1.329 - IF, Current Contents - CCC). (2002 - Current Contents, WOS, SCOPUS). ISSN 0304-8853. Dostupné na: [https://doi.org/10.1016/S0304-8853\(01\)01249-5](https://doi.org/10.1016/S0304-8853(01)01249-5)

Ohlasy:

1. [1.1] SZEWCZYK, Roman. Generalization of the Model of Magnetoelastic Effect: 3D Mechanical Stress Dependence of Magnetic Permeability Tensor in Soft Magnetic Materials. In MATERIALS, 2020, vol. 13, no. 18, 4070., Registrované v: WOS

ADCA698 KRAUS, L. - HASLAR, V. - ZAVETA, K. - POKORNY, J. - DUHAJ, Pavol - POLAK, C. An amorphous magnetic bimetallic sensor material. In *Journal of Applied Physics*, 1995, vol. 78, no. 10, p. 6157-6164. ISSN 0034-6748. Dostupné na: <https://doi.org/10.1063/1.360559>

Ohlasy:

1. [1.1] CHEN, Yonghui - MAAZ, Khan - LYU, Shuangbao - CHENG, Yaxiong - LIU, Jie. Fabrication and temperature dependent magnetic properties of Co-Ni nanotube arrays. In PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES. ISSN 1386-9477, 2019, vol. 110, pp. 123-126., Registrované v: WOS

2. [1.1] TROJKOVA, Jana - ZIVOTSKY, Ondrej - HENDRYCH, Ales - MARKOV, Dmitry - DROBIKOVA, Klara. Magnetic Domain Patterns in Bilayered Ribbons Studied by Magnetic Force Microscopy and Magneto-Optical Kerr Microscopy. In SCANNING. ISSN 0161-0457, 2018, 8308460., Registrované v: WOS

ADCA699 KRAUS, L. - FENDRYCH, F. - ŠVEC, Peter - BYDŽOVSKÝ, J. - KOLLÁR, Miroslav. Cobalt-rich amorphous ribbons for strain sensing in civil engineering. In *Journal of Optoelectronics and Advanced Materials*, 2002, vol. 4, no. 2, p. 237-243. (2001: 0.274 - IF). ISSN 1454-4164.

Ohlasy:

1. [1.1] KATRANAS, George S. - MEYDAN, Turgut - WILLIAMS, Paul I. The Influence of Substrate Stiffness on the Performance of a Magnetoelastic Bilayer Gas Flow Sensor. In IEEE TRANSACTIONS ON MAGNETICS. ISSN 0018-9464, 2015, vol. 51, no. 1, 4002204., Registrované v: WOS

2. [1.1] SZEWCZYK, R. STRESS-INDUCED ANISOTROPY AND STRESS DEPENDENCE OF SATURATION MAGNETOSTRICTION IN THE JILES-ATHERTON-SABLIK MODEL OF THE MAGNETOELASTIC VILLARI EFFECT. In ARCHIVES OF METALLURGY AND MATERIALS. ISSN 1733-3490, 2016, vol. 61, no. 2, pp. 607-612., Registrované v: WOS

ADCA700 KRAUS, L. - BYDŽOVSKÝ, J. - ŠVEC, Peter. Continuous stress annealing of amorphous ribbons for strain sensing applications. In *Sensors and Actuators A*, 2003, vol. 106, no. 1-3, p. 117-120. Dostupné na: [https://doi.org/10.1016/S0924-4247\(03\)00147-X](https://doi.org/10.1016/S0924-4247(03)00147-X)

Ohlasy:

1. [1.1] BEATO-LOPEZ, J. J. - ALGUETA-MIGUEL, J. M. - DE LA CRUZ BLAS, C. A. - SANTESTEBAN, L. G. - PEREZ-LANDAZABAL, J. I. - GOMEZ-POLO, C. GMI Magnetoelastic Sensor for Measuring Trunk Diameter Variations in Plants. In IEEE TRANSACTIONS ON MAGNETICS. ISSN 0018-9464, 2017, vol. 53, no. 4, 4001105., Registrované v: WOS

2. [1.1] HRISTOFOROU, Evangelos - K TENA, Aphrodite - GONG, Shengkai. Magnetic Sensors: Taxonomy, Applications, and New Trends. In IEEE TRANSACTIONS ON MAGNETICS. ISSN 0018-9464, 2019, vol. 55, no. 7, 4002814., Registrované v: WOS

3. [1.1] SARKAR, Partha - VCELAK, Jan - ROY, Rajat K. - PANDA, Ashis K. - MITRA, Amitava - RIPKA, Pavel. Co-Based Amorphous Material for Giant Magnetoimpedance and Fluxgate Sensing Cores. In IEEE TRANSACTIONS ON MAGNETICS. ISSN 0018-9464, 2015, vol. 51, no. 11, 2002404., Registrované v: WOS

4. [1.1] YAMAZAKI, Takahiro - FURUYA, Yasubumi - NAKAO, Wataru. Experimental evaluation of domain wall dynamics by Barkhausen noise analysis in Fe₃₀Co₇₀ magnetostrictive alloy wire. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2019, vol. 475, pp. 240-248., Registrované v: WOS

ADCA701 KRAUS, L. - HASIAR, V. - DUHAJ, Pavol. Correlation between saturation magnetization, magnetostriction and creep-induced anisotropy in amorphous (FeCo)₈₅B₁₅ alloys. In *IEEE Transactions on Magnetism*, 1994, vol. 30, no. 2, p. 530-532. ISSN 0018-9464. Dostupné na: <https://doi.org/10.1109/20.312326>

Ohlasy:

1. [1.1] HUANG, Dawei - LI, Yanhui - YANG, Yaping - ZHU, Zhengwang - ZHANG, Wei. Soft magnetic Co-based Co-Fe-B-Si-P bulk metallic glasses with high saturation magnetic flux density of over 1.2 T. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2020, vol. 843, 154862., Registrované v: WOS

ADCA702 KRAUS, L. - VLASÁK, Gabriel. Creep-induced magnetic-anisotropy and anelastic strain of an iron-rich amorphous alloy. In *Materials Science and Engineering B - Solid-State Materials for Advanced Technology*, 1992, vol. 15, no. 2, p. 121-125. (1991: 0.620 - IF, Current Contents - CCC). (1992 - Current Contents). ISSN 0921-5107.

Ohlasy:

1. [1.1] SUN, Y. H. - CONCUSTELL, A. - CARPENTER, M. A. - QIAO, J. C. - RAYMENT, A. W. - GREER, A. L. Flow-induced elastic

anisotropy of metallic glasses. In ACTA MATERIALIA. ISSN 1359-6454, 2016, vol. 112, no., pp. 132-140., Registrované v: WOS

ADCA703 KRAUS, L. - ŽIVOTSKÝ, O. - POSTAVA, K. - ŠVEC, Peter - JANIČKOVIČ, Dušan. Exchange bias in surface-crystalline Fe-Nb-B ribbons. In *IEEE Transactions on Magnetics*, 2008, vol. 44, no. 11, p. 3875-3878. (2007: 0.959 - IF, Q2 - JCR, 0.764 - SJR, Q1 - SJR, Current Contents - CCC). (2008 - Current Contents). ISSN 0018-9464. Dostupné na: <https://doi.org/10.1109/TMAG.2008.2002247>

Ohlasy:

1. [1.1] AMINI, Narges - DEKAN, Julius - PAVUK, Milan - HABIBI, Safdar - MIGLIERINI, Marcel. INFLUENCE OF QUENCHING RATE ON THE STRUCTURE, MORPHOLOGY, AND HYPERFINE PARAMETERS OF AMORPHOUS RIBBONS. In *JOURNAL OF ELECTRICAL ENGINEERING-ELEKTROTECHNICKY CASOPIS*. ISSN 1335-3632, 2016, vol. 67, no. 5, pp. 365-370., Registrované v: WOS
2. [1.1] AMINI, Narges - MIGLIERINI, Marcel - DEKAN, Julius. On the Validity of the Fitting Model of Transmission Mossbauer Spectra of Fe₇₈Si₉B₁₃ Amorphous Alloy. In *Mossbauer Spectroscopy in Materials Science 2016*. ISSN 0094-243X, 2016, vol. 1781, 020020., Registrované v: WOS
3. [1.1] CANEDA, Chaiane M. - FOGAGNOLO, Joao B. - KIMINAMI, Claudio S. - AFONSO, Conrado R. M. Ultrafine eutectic coatings from Fe-Nb-B powder using laser cladding. In *MATERIALS CHARACTERIZATION*. ISSN 1044-5803, 2020, vol. 160, 110080., Registrované v: WOS
4. [1.1] LIN, Xinhua - LI, Jie - TANG, Ming. Magnetoinductance Effect in Co₆₇Fe₄Si_{14.5}B_{14.5} Amorphous Ribbons Annealed With Different Orientation Magnetic Fields. In *IEEE TRANSACTIONS ON MAGNETICS*. ISSN 0018-9464, 2015, vol. 51, no. 7, 2001806., Registrované v: WOS
5. [1.1] MIRZAEI, S. - SAGHAFIAN, H. - BEITOLLAHI, A. - SWIERCZEK, J. - TIBERTO, P. Effect of Heat Treatment on the Microstructure and Soft Magnetic Properties of the Amorphous Fe-B-P-Cu Alloy. In *IRANIAN JOURNAL OF MATERIALS SCIENCE AND ENGINEERING*. ISSN 1735-0808, 2019, vol. 16, no. 3, pp. 1-11., Registrované v: WOS
6. [1.1] MURUGAIYAN, Premkumar - MITRA, Amitava - PATRO, Arun Kumar - ROY, Rajat K. - CHURYUKANOVA, M. - KALOSHKIN, S. - SHUVAEVA, E. - PANDA, Ashis K. Role of P on amorphization, microstructure, thermo-physical and soft magnetic properties of Fe-rich FeB(P)SiNbCu melt-spun alloys. In *JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS*. ISSN 0304-8853, 2019, vol. 492, UNSP 165723., Registrované v: WOS
7. [1.1] MURUGAIYAN, Premkumar - BEDANTA, Subhankar - JENA, Sukanta Kumar - PANDA, Ashis K. - MITRA, Amitava - BYSAKH, Sandip - ROY, Rajat K. Crystallization and magnetic hardening behaviour of Fe-rich FeSiBNb(Cu) melt-spun alloys. In *JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS*. ISSN 0304-8853, 2020, vol. 502, 166528., Registrované v: WOS

ADCA704 KRAUS, L. - ZAVETA, K. - HECZKO, O. - DUHAJ, Pavol - VLASÁK, Gabriel - SCHNEIDER, J. Magnetic-anisotropy in as-quenched and stress-annealed amorphous and nanocrystalline Fe_{73.5}Cu₁Nb₃Si_{13.5}B₉ alloys. In *Journal of*

Magnetism and Magnetic Materials, 1992, vol. 112, no. 1-3, p. 275-277. ISSN 0374-4884. Dostupné na: [https://doi.org/10.1016/0304-8853\(92\)91172-P](https://doi.org/10.1016/0304-8853(92)91172-P)

Ohlasy:

1. [1.1] CSIZMADIA, Elek - VARGA, Lajos K. - PALANKI, Zoltan - ZAMBORSZKY, Ferenc. Creep or tensile stress induced anisotropy in FINEMET-type ribbons? In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2015, vol. 374, pp. 587., Registrované v: WOS
2. [1.1] FERRARA, Enzo - FIORILLO, Fausto - BEATRICE, Cinzia - DOBAK, Samuel - RAGUSA, Carlo - MAGNI, Alessandro - APPINO, Carlo. Characterization and assessment of the wideband magnetic properties of nanocrystalline alloys and soft ferrites. In JOURNAL OF MATERIALS RESEARCH. ISSN 0884-2914, 2018, vol. 33, no. 15, pp. 2120-2137., Registrované v: WOS
3. [1.1] HAN, Yabin - WANG, Anding - HE, Aina - CHANG, Chuntao - LI, Fushan - WANG, Xinmin. Improvement of magnetic properties, microstructure and magnetic structure of Fe_{73.5}Cu₁Nb₃Si_{15.5}B₇ nanocrystalline alloys by two-step annealing process. In JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS. ISSN 0957-4522, 2016, vol. 27, no. 4, pp. 3736-3741., Registrované v: WOS
4. [1.1] HAN, Yabin - WEI, Ran - LI, Zichao - et al. Improvement of magnetic properties for V-substituted Fe_{73.5}Si_{13.5}B₉Cu₁Nb₃-xVx nanocrystalline alloys. In JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS. ISSN 0957-4522, 2017, vol. 28, no. 14, pp. 10555-10563., Registrované v: WOS
5. [1.1] LIU, Jingshun - WU, Mengjun - ZHANG, Luhan - WANG, Qixiang - ZHANG, Yun - YU, Tianchi - SHEN, Hongxian - LI, Feng - PENG, Huaxin. Tunable Magnetocaloric Performance of Cluster Microfibers Induced by Magnetization Direction. In PHYSICA STATUS SOLIDI A-APPLICATIONS AND MATERIALS SCIENCE. ISSN 1862-6300, 2018, vol. 215, no. 2, 1700721., Registrované v: WOS
6. [1.1] NOSENKO, Anton - MIKA, Taras - RUDENKO, Olexandr - YARMOSHCHUK, Yevhenii - NOSENKO, Viktor. Soft magnetic properties of nanocrystalline Fe₇₃B₇Si₁₆Nb₃Cu₁ alloy after rapid heating under tensile stress. In NANOSCALE RESEARCH LETTERS. ISSN 1556-276X, 2015, vol. 10, pp. 1-8., Registrované v: WOS
7. [1.1] NOSENKO, Anton - MIKA, Taras - SEMYRGA, Olexandr - et al. Effect of Mechanical Stresses in Rapidly Heated Fe₇₃Cu₁Nb₃Si₁₆B₇ Ribbon Arising During the Ring Core Formation on Their Magnetic Properties. In NANOSCALE RESEARCH LETTERS. ISSN 1556-276X, 2017, vol. 12, 299., Registrované v: WOS
8. [1.1] NOSENKO, Anton - RUDENKO, Olexandr - MIKA, Taras - YEVLASH, Igor - SEMYRGA, Olexandr - NOSENKO, Viktor. DC bias immune nanocrystalline magnetic cores made of Fe₇₃Nb₃Cu₁B₇Si₁₆ ribbon with induced transverse magnetic anisotropy. In NANOSCALE RESEARCH LETTERS. ISSN 1556-276X, 2016, vol. 11, 70., Registrované v: WOS
9. [1.1] NUTOR, Raymond Kwesi - XU, Xiaojia - FAN, Xiaozhen - HE, Xingwei - FANG, Yunzhang. Transverse anisotropy field and lattice plane anisotropy of stress annealed Fe-Cu-Nb-Si-B ribbons. In CHINESE JOURNAL OF PHYSICS. ISSN 0577-9073, 2018, vol. 56, no. 1, pp. 180-184., Registrované v: WOS

10. [1.1] NUTOR, Raymond Kwesi - XU, Xiaojia - FAN, Xiaozhen - REN, Sensheng - HE, Xingwei - FANG, Yunzhang. Structural anisotropy in FeCuNbSiB alloys: An in situ synchrotron XRD study. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2018, vol. 454, pp. 51-56., Registrované v: WOS
11. [1.1] WU, Xiao-rong - LI, De-ren - LI, Zhun - LU, Zhi-chao. Amorphous FeNiCoCuSiBCr Alloys with Superior Direct Current Tolerant Characteristics. In JOURNAL OF IRON AND STEEL RESEARCH INTERNATIONAL. ISSN 1006-706X, 2015, vol. 22, no. 2, pp. 145-149., Registrované v: WOS

ADCA705 KRAUS, L. - HASLAR, V. - DUHAJ, Pavol - ŠVEC, Peter - STUDNIČKA, V. The structure and magnetic properties of nanocrystalline Co₂₁Fe_{64-x}Nb_xB₁₅ alloys. In *Materials Science and Engineering A*, 1997, vol. 226, p. 626-630. (1996: 0.852 - IF, Current Contents - CCC). (1997 - Current Contents, WOS, SCOPUS). ISSN 0921-5093. Dostupné na: [https://doi.org/10.1016/s0921-5093\(96\)10696-1](https://doi.org/10.1016/s0921-5093(96)10696-1)

Ohlasy:

1. [1.1] FANG, Kaixuan - ZHANG, Yingqi - ZHANG, Zhengjun - CHEN, Na. Crystallization-induced semiconductor-metal transition in an amorphous CoFeTaBO magnetic semiconductor nanocomposite. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2019, vol. 797, pp. 606-611., Registrované v: WOS
2. [1.1] PENG CHAO - LI YUAN - DENG YONGHE - et al. Atomistic Simulation for Local Atomic Structures of Amorphous Ni-P Alloys with Near-Eutectic Compositions. In ACTA METALLURGICA SINICA. ISSN 0412-1961, 2017, vol. 53, no. 12, pp. 1659-1668., Registrované v: WOS
3. [1.1] WU, Chenguang - HU, Renchao - MAN, Qikui - et al. Thermoplastic deformation of ferromagnetic CoFe-based bulk metallic glasses. In APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING. ISSN 0947-8396, 2017, vol. 123, no. 12, 742., Registrované v: WOS

ADCA706 KRČMÁR, Roman - ŠAMAJ, Ladislav. Critical properties of the eight-vertex model in a field. In *Europhysics Letters*, 2016, vol. 115, no. 5, art. no. 56001. (2015: 1.963 - IF, Q1 - JCR, 0.625 - SJR, Q2 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 0295-5075. Dostupné na: <https://doi.org/10.1209/0295-5075/115/56001>

Ohlasy:

1. [1.1] ASSIS, Michael. The 16-vertex model and its even and odd 8-vertex subcases on the square lattice. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2017, vol. 50, no. 39, 395001., Registrované v: WOS
2. [1.1] DUDKA, M. - FEDORENKO, A. A. Emergent universal critical behavior of the 2D N-color Ashkin-Teller model in the presence of correlated disorder. In CONDENSED MATTER PHYSICS. ISSN 1607-324X, 2017, vol. 20, no. 1, 13603., Registrované v: WOS
3. [1.1] RAMS, Marek M. - CZARNIK, Piotr - CINCIO, Lukasz. Precise Extrapolation of the Correlation Function Asymptotics in Uniform Tensor Network States with Application to the Bose-Hubbard and XXZ Models. In PHYSICAL REVIEW X. ISSN 2160-3308, 2018, vol. 8, no. 4, 041033., Registrované v: WOS

ADCA707 KRČMÁR, Roman - GENDIAR, Andrej - NISHINO, T. Phase diagram of a truncated tetrahedral model. In *Physical Review E*, 2016, vol. 94, no. 2, 022134. (2015: 2.252 - IF, Q1 - JCR, 1.183 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 2470-0045. Dostupné na: <https://doi.org/10.1103/PhysRevE.94.022134>

Ohlasy:

1. [1.1] ALEXANDRU, Andrei - BEDAQUE, Paulo F. - HARMALKAR, Siddhartha - LAMM, Henry - LAWRENCE, Scott - WARRINGTON, Neill C. Gluon field digitization for quantum computers. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2019, vol. 100, no. 11, 114501., Registrované v: WOS
2. [1.1] ALEXANDRU, Andrei - BEDAQUE, Paulo F. - LAMM, Henry - LAWRENCE, Scott. sigma Models on Quantum Computers. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2019, vol. 123, no. 9, 090501., Registrované v: WOS
3. [1.1] GANGAT, Adil A. - KAO, Ying-Jer. Phase boundary location with information-theoretic entropy in tensor renormalization group flows. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2019, vol. 100, no. 9, 094430., Registrované v: WOS
4. [1.1] JI, Yao - LAMM, Henry - ZHU, Shuchen. Gluon field digitization via group space decimation for quantum computers. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2020, vol. 102, no. 11, 114513., Registrované v: WOS
5. [1.1] UEDA, Hiroshi - OKUNISHI, Kouichi - YUNOKI, Seiji - NISHINO, Tomotoshi. Corner transfer matrix renormalization group analysis of the two-dimensional dodecahedron model. In *PHYSICAL REVIEW E*. ISSN 2470-0045, 2020, vol. 102, no. 3, 032130., Registrované v: WOS

ADCA708 KRČMÁR, Roman - ŠAMAJ, Ladislav. Reentrant disorder-disorder transitions in generalized multicomponent Widom-Rowlinson models. In *Physical Review E. Statistical, Nonlinear and Soft Matter Physics*, 2015, vol. 92, no. 5, 052103. (2014: 2.288 - IF, Q1 - JCR, 1.244 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 2470-0045. Dostupné na: <https://doi.org/10.1103/PhysRevE.92.052103>

Ohlasy:

1. [1.1] GANGAT, Adil A. - KAO, Ying-Jer. Phase boundary location with information-theoretic entropy in tensor renormalization group flows. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2019, vol. 100, no. 9, 094430., Registrované v: WOS

ADCA709 KRČMÁR, Roman - GENZOR, Jozef - LEE, Yoju - VARGOVÁ, Hana - NISHINO, Tomotoshi - GENDIAR, Andrej. Tensor-network study of a quantum phase transition on the Sierpinski fractal. In *Physical Review E*, 2018, vol. 98, no. 6, art. no. 062114. (2017: 2.284 - IF, Q1 - JCR, 0.979 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 2470-0045. Dostupné na: <https://doi.org/10.1103/PhysRevE.98.062114>

Ohlasy:

1. [1.1] AKIYAMA, Shinichiro - KURAMASHI, Yoshinobu - YAMASHITA, Takumi - YOSHIMURA, Yusuke. Phase transition of

four-dimensional Ising model with higher-order tensor renormalization group. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 100, no. 5, 054510., Registrované v: WOS

2. [1.1] MANNA, Sourav - PAL, Biplab - WANG, Wei - NIELSEN, Anne E. B. Anyons and fractional quantum Hall effect in fractal dimensions. In PHYSICAL REVIEW RESEARCH, 2020, vol. 2, no. 2, 023401., Registrované v: WOS

ADCA710 KRIŠTIAK, Jozef - BARTOŠ, Josef - KRIŠTIAKOVÁ, Katarína - ŠAUŠA, Ondrej - BANDŽUCH, Peter. Free-volume microstructure of amorphous polycarbonate at low-temperatures determined by positron-annihilation-lifetime spectroscopy. In *Physical Review B*, 1994, vol. 49, no. 10, p. 6601-6607. (1993: 3.159 - IF, Current Contents - CCC). (1994 - Current Contents). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.49.6601>

Ohlasy:

1. [1.1] CAPPONI, Sara - ALVAREZ, Fernando - RACKO, Dusan. Free Volume in a PVME Polymer-Water Solution. In MACROMOLECULES. ISSN 0024-9297, 2020, vol. 53, no. 12, pp. 4770-4782., Registrované v: WOS

2. [1.1] HUGHES, J.M. - LUGO, M. - BOUVARD, J.L. - MCINTYRE, T. - HORSTEMEYER, M.F. Cyclic behavior and modeling of small fatigue cracks of a polycarbonate polymer. In INTERNATIONAL JOURNAL OF FATIGUE. ISSN 0142-1123, JUN 2017, vol. 99, 1, p. 78-86., Registrované v: WOS

3. [1.1] NGAI, K. L. - CAPACCIOLI, S. - PREVOSTO, D. - WANG, Li-Min. Coupling of Caged Molecule Dynamics to JG beta-Relaxation III: van der Waals Glasses. In JOURNAL OF PHYSICAL CHEMISTRY B. ISSN 1520-6106, 2015, vol. 119, no. 38, pp. 12519., Registrované v: WOS

4. [1.1] NGAI, K. L. - CAPACCIOLI, S. - PREVOSTO, D. - WANG, Li-Min. Coupling of Caged Molecule Dynamics to JG beta-Relaxation II: Polymers. In JOURNAL OF PHYSICAL CHEMISTRY B. ISSN 1520-6106, 2015, vol. 119, no. 38, pp. 12502., Registrované v: WOS

5. [1.1] PATIL, P.N. - ROILO, D. - BRUSA, R.S. - MIOTELLO, A. - AGHION, S. - FERRAGUT, R. - CHECCHETTO, R. Free volumes and gas transport in polymers: amine-modified epoxy resins as a case study. In PHYSICAL CHEMISTRY CHEMICAL PHYSICS. ISSN 1463-9076, FEB 7 2016, vol. 18, no. 5, p. 3817-3824., Registrované v: WOS

6. [1.1] ROILO, D. - PATIL, P.N. - BRUSA, R.S. - MIOTELLO, A. - AGHION, S. - FERRAGUT, R. - CHECCHETTO, R. Polymer rigidification in graphene based nanocomposites: Gas barrier effects and free volume reduction. In POLYMER. ISSN 0032-3861, JUL 14 2017, vol. 121, p. 17-25., Registrované v: WOS

7. [1.1] SHPOTYUK, Oleh - INGRAM, Adam - SHPOTYUK, Yaroslav - FILIPECKI, Jacek - SHPOTYUK, Olha. Volumetric effects in the degradation of dimethacrylate-based polymer/filler nanocomposites: A positron annihilation study. In POLYMER DEGRADATION AND STABILITY. ISSN 0141-3910, 2020, vol. 176, 109150., Registrované v: WOS

8. [1.1] SHPOTYUK, Olha - INGRAM, Adam - SHPOTYUK, Oleh. Photopolymerization shrinkage in dimethacrylate-based dental restorative composites probed by means of positron annihilation lifetime spectroscopy. In POLYMER. ISSN 0032-3861, 2020, vol. 196, 122485., Registrované v: WOS

9. [1.1] WANG, Z. - NGAI, K.L. - WANG, W.H. - CAPACCIOLI, S. Coupling of caged molecule dynamics to Johari-Goldstein beta-relaxation in metallic glasses. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, JAN 14 2016, vol. 119, no. 2., Registrované v: WOS

ADCA711 KRIŠTIAKOVÁ, Katarína - ŠVEC, Peter. Origin of cluster and void structure in melt-quenched Fe-Co-B metallic glasses determined by positron annihilation at low temperatures. In *Physical Review B*, 2001, vol. 64, no. 1, p. 014204. (2000: 3.065 - IF, Current Contents - CCC). (2001 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.64.014204>

Ohlasy:

1. [1.1] CAO, C. C. - WANG, Y. G. - ZHU, L. - MENG, Y. - ZHAI, X. B. - DAI, Y. D. - CHEN, J. K. - PAN, F. M. Local structure, nucleation sites and crystallization behavior and their effects on magnetic properties of Fe₈₁Si_xB₁₀P_{8-x}Cu₁ (x=0 similar to 8). In SCIENTIFIC REPORTS. ISSN 2045-2322, 2018, vol. 8, 1243., Registrované v: WOS

2. [1.1] CAO, C. C. - ZHU, L. - MENG, Y. - ZHAI, X. B. - WANG, Y. G. Atomic level structural modulation during the structural relaxation and its effect on magnetic properties of Fe₈₁Si₄B₁₀P₄Cu₁ nanocrystalline alloy. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2018, vol. 456, pp. 274-280., Registrované v: WOS

3. [1.1] EVENSON, Zach - KOSCHINE, Tonjes - WEI, Shuai - GROSS, Oliver - BEDNARCIK, Jozef - GALLINO, Isabella - KRUZIC, Jamie J. - RAETZKE, Klaus - FAUPEL, Franz - BUSCH, Ralf. The effect of low-temperature structural relaxation on free volume and chemical short-range ordering in a Au₄₉Cu_{26.9}Si_{16.3}Ag_{5.5}Pd_{2.3} bulk metallic glass. In SCRIPTA MATERIALIA. ISSN 1359-6462, 2015, vol. 103, pp. 14., Registrované v: WOS

4. [1.1] KOTYNIA, Katarzyna - PAWLIK, Piotr - FILIPECKA, Katarzyna - FILIPECKI, Jacek. Calorimetric and structural analysis of the Zr-Fe-Co-B-Mo-W amorphous alloys doped with gadolinium. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2020, vol. 842, 155940., Registrované v: WOS

ADCA712 KRIŠTIAKOVÁ, K. - KRIŠTIAK, Jozef - ŠVEC, Peter - ŠAUŠA, Ondrej - DUHAJ, Pavol. Direct evidence of free-volume relaxation and the crossover effect in Ni₂₅Zr₅₅Al₂₀ metallic glass. In *Materials Science and Engineering B*, 1996, vol. 39, no. 1, p. 15-20. ISSN 0921-5107.

Ohlasy:

1. [1.1] ZHAO, Y. - LI, D. D. - QU, B. Y. - ZHOU, R. L. - ZHANG, B. - SATO, K. Anomalous packing state in Ce-Ga-Cu bulk metallic glasses. In INTERMETALLICS. ISSN 0966-9795, 2017, vol. 84, pp. 25-29., Registrované v: WOS

ADCA713 KRIŠTIAKOVÁ, K. - ŠVEC, Peter - KRIŠTIAK, Jozef - DUHAJ, Pavol - ŠAUŠA, Ondrej. Short range ordering in the melt and its manifestation in glassy Fe-Co-B- investigation by positron annihilation lifetime. In *Materials Science and Engineering A : Structural materials properties microstructure and processing*, 1997, vol. 226, p. 321-325. (1996: 0.852 - IF, Current Contents - CCC). (1997 - Current Contents, WOS, SCOPUS). ISSN 0921-5093.

Ohlasy:

1. [1.1] EVENSON, Zach - KOSCHINE, Tonjes - WEI, Shuai - GROSS, Oliver - BEDNARCIK, Jozef - GALLINO, Isabella - KRUZIC, Jamie J. - RAETZKE, Klaus - FAUPEL, Franz - BUSCH, Ralf. The effect of low-temperature structural relaxation on free volume and chemical short-range ordering in a Au₄₉Cu_{26.9}Si_{16.3}Ag_{5.5}Pd_{2.3} bulk metallic glass. In *SCRIPTA MATERIALIA*. ISSN 1359-6462, 2015, vol. 103, no., pp. 14., Registrované v: WOS

ADCA714 KRÍŽIK, Peter - BALOG, Martin - MATĚKO, Igor - ŠVEC, Peter - ČAVOJSKÝ, Miroslav - SIMANČÍK, František. The effect of a particle-matrix interface on the Young's modulus of Al-SiC composites. In *Journal of Composite Materials*, 2016, vol. 50, no. 1, p. 99-108. (2015: 1.242 - IF, Q2 - JCR, 0.573 - SJR, Q2 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0021-9983. Dostupné na: <https://doi.org/10.1177/0021998315571028>

Ohlasy:

1. [1.1] HASSANZADEH-AGHDAM, M. K. - HAGHGOO, M. - ANSARI, R. Micromechanical study of elastic-plastic and thermoelastic behaviors of SiC nanoparticle-reinforced aluminum nanocomposites. In *MECHANICS OF MATERIALS*. ISSN 0167-6636, 2018, vol. 121, pp. 1-9., Registrované v: WOS
2. [1.1] HASSANZADEH-AGHDAM, Mohammad K. Micromechanics-based thermal expansion characterization of SiC nanoparticle-reinforced metal matrix nanocomposites. In *PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART C-JOURNAL OF MECHANICAL ENGINEERING SCIENCE*. ISSN 0954-4062, 2019, vol. 233, no. 1, pp. 190-201., Registrované v: WOS
3. [1.1] CHEN, Chun-Liang - LIN, Chen-Han. Effect of Y₂O₃ and TiC Reinforcement Particles on Intermetallic Formation and Hardness of Al6061 Composites via Mechanical Alloying and Sintering. In *METALLURGICAL AND MATERIALS TRANSACTIONS A-PHYSICAL METALLURGY AND MATERIALS SCIENCE*. ISSN 1073-5623, 2015, vol. 46A, no. 8, pp. 3687-3695., Registrované v: WOS
4. [1.1] CHEN, Chun-Liang - LIN, Chen-Han. A Study on the Aging Behavior of Al6061 Composites Reinforced with Y₂O₃ and TiC. In *METALS*. ISSN 2075-4701, 2017, vol. 7, no. 1, pp., Registrované v: WOS
5. [1.1] CHEN, Chun-Liang - LIN, Chen-Han. In-situ dispersed La oxides of Al6061 composites by mechanical alloying. In *JOURNAL OF ALLOYS AND COMPOUNDS*. ISSN 0925-8388, 2019, vol. 775, no., pp. 1156-1163., Registrované v: WOS
6. [1.1] LI, Yan - CAO, Jun - WILLIAMS, Cyril. Competing failure mechanisms in metal matrix composites and their effects on fracture toughness. In *MATERIALIA*. ISSN 2589-1529, 2019, vol. 5, no., pp., Registrované v: WOS
7. [1.1] REDDY, M. Penchal - SHAKOOR, R. A. - PARANDE, Gururaj - MANAKARI, Vyasraj - UBAID, F. - MOHAMED, A. M. A. - GUPTA, Manoj. Enhanced performance of nano-sized SiC reinforced Al metal matrix nanocomposites synthesized through microwave sintering and hot extrusion techniques. In *PROGRESS IN NATURAL SCIENCE-MATERIALS INTERNATIONAL*. ISSN 1002-0071, 2017, vol. 27, no. 5, pp. 606-614., Registrované v: WOS

8. [1.1] WU, Dongxu - HUANG, Congliang - WANG, Yukai - AN, Yi - GUO, Chuwen. Utilization of SiC and Cu Particles to Enhance Thermal and Mechanical Properties of Al Matrix Composites. In MATERIALS, 2019, vol. 12, no. 17, 2770., Registrované v: WOS
9. [1.2] CASATI, R. - FIOCCHI, J. - FABRIZI, A. - LECIS, N. - BONOLLO, F. - VEDANI, M. Effect of ball milling on the ageing response of Al2618 composites reinforced with SiC and oxide nanoparticles. In Journal of Alloys and Compounds. ISSN 09258388, 2017-01-01, 693, pp. 909-920., Registrované v: SCOPUS

ADCA715 KRÍŽIK, Peter - BALOG, Martin - ILLEKOVÁ, Emília - ŠVEC, Peter - MAŤKO, Igor - ŠTĚPÁNEK, Matěj - NOSKO, Martin - SIMANČÍK, František. The oxidation behavior of gas-atomized Al and Al alloy powder green compacts during heating before hot extrusion and the suggested heating process. In *Journal of Materials Processing Technology*, 2014, vol.214, p.1165-1172. (2013: 2.041 - IF, Q1 - JCR, 1.717 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents). ISSN 0924-0136. Dostupné na: <https://doi.org/10.1016/j.jmatprotec.2014.01.003>

Ohlasy:

1. [1.1] CHEN, Cunguang - WANG, Wenwen - GUO, Zhimeng - SUN, Chunbao - VOLINSKY, Alex A. - PALEY, Vladislav. Annealing Effects on Microstructure and Mechanical Properties of Ultrafine-Grained Al Composites Reinforced with Nano-Al₂O₃ by Rotary Swaging. In JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE. ISSN 1059-9495, 2018, vol. 27, no. 4, pp. 1738-1745., Registrované v: WOS
2. [1.1] CHERNOUSOV, Andrey A. - CHAN, Ben Y. B. Optimising in-situ nitridation in piled aluminium flakes for novel closed cell composites with high fracture stress and toughness. In MATERIALS & DESIGN. ISSN 0264-1275, 2018, vol. 150, no., pp. 113-123., Registrované v: WOS
3. [1.1] KURMANAEVA, Lilia - TOPPING, Troy D. - WEN, Haiming - SUGAHARA, Haruka - YANG, Hanry - ZHANG, Dalong - SCHOENUNG, Julie M. - LAVERNIA, Enrique J. Strengthening mechanisms and deformation behavior of cryomilled Al-Cu-Mg-Ag alloy. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2015, vol. 632, no., pp. 591-603., Registrované v: WOS
4. [1.1] LARIN, S. N. - PASYNKOV, A. A. Analysis of forming properties during the isothermal upsetting of cylindrical workpieces in the viscous-plasticity mode. In INTERNATIONAL SCIENTIFIC AND PRACTICAL CONFERENCE ON INNOVATIONS IN ENGINEERING AND TECHNOLOGY. ISSN 1757-8981, 2018, vol. 441, no., pp., Registrované v: WOS
5. [1.1] LEPAROUX, Marc - KOLLO, Lauri - KWON, Hansang - KALLIP, Kaspar - BABU, Nagumothu Kishore - ALOGAB, Khaled - TALARI, Mahesh Kumar. Solid State Processing of Aluminum Matrix Composites Reinforced with Nanoparticulate Materials. In ADVANCED ENGINEERING MATERIALS. ISSN 1438-1656, 2018, vol. 20, no. 11, pp., Registrované v: WOS
6. [1.1] NIE, Hongqi - SCHOENITZ, Mirko - DREIZIN, Edward L. Oxidation of differently prepared Al-Mg alloy powders in oxygen. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2016, vol. 685, no., pp. 402-410., Registrované v: WOS

7. [1.1] REN, Jian - WANG, Richu - FENG, Yan - PENG, Chaoqun - CAI, Zhiyong. Microstructure evolution and mechanical properties of an ultrahigh strength Al-Zn-Mg-Cu-Zr-Sc (7055) alloy processed by modified powder hot extrusion with post aging. In VACUUM. ISSN 0042-207X, 2019, vol. 161, pp. 434-442., Registrované v: WOS
8. [1.1] ZHANG, Xinming - HU, Tao - RUFNER, Jorgen F. - LAGRANGE, Thomas B. - CAMPBELL, Geoffrey H. - LAVERNIA, Enrique J. - SCHOENUNG, Julie M. - VAN BENTHEM, Klaus. Metal/ceramic interface structures and segregation behavior in aluminum-based composites. In ACTA MATERIALIA. ISSN 1359-6454, 2015, vol. 95, no., pp. 254-263., Registrované v: WOS
9. [1.2] NIE, Hongqi - SCHOENITZ, Mirko - DREIZIN, Edward L. Oxidation of different Al-Mg alloy powders in oxygen. In 2016 Spring Technical Meeting of the Eastern States Section of the Combustion Institute, ESSCI 2016, 2016-01-01, pp., Registrované v: SCOPUS
10. [1.2] SERGEEVICH, Yakovlev Sergey - VASILIEVICH, Gryazev Michail - YURIEVICH, Travin Vadim. Technological modes of stretching operation involving wall thinning of axisymmetric blanks made out of anisotropic materials. In Key Engineering Materials. ISSN 10139826, 2016-01-01, 684, pp. 165-174., Registrované v: SCOPUS
11. [1.2] SERGEEVICH, Yakovlev Sergey - ALEKSEEVICH, Perepelkin Aleksey. Isothermal backward extrusion of thick-walled anisotropic pipe blanks in mode of short-time creeping. In Key Engineering Materials. ISSN 10139826, 2016-01-01, 684, pp. 143-151., Registrované v: SCOPUS

ADCA716 KRONEKOVÁ, Zuzana* - PELACH, Michal* - MAZANCOVÁ, Petra* - UHELSKÁ, Lucia - TRELOVÁ, Dušana - RÁZGA, Filip - NÉMETHOVÁ, Veronika - SZALAI, Szabolcs - CHORVÁT, Dušan Jr. - MCGARRIGLE, James J. - OMAMI, Mustafa - ISA, Douglas - GHANI, Sofia - MAJKOVÁ, Eva - OBERHOLZER, José - RAUS, Vladimír - ŠIFFALOVÍČ, Peter* - LACÍK, Igor**. Structural changes in alginate-based microspheres exposed to in vivo environment as revealed by confocal Raman microscopy. In *Scientific Reports*, 2018, vol. 8, art. no. 1637. (2017: 4.122 - IF, Q1 - JCR, 1.533 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 2045-2322. Dostupné na: <https://doi.org/10.1038/s41598-018-20022-y>

Ohlasy:

1. [1.1] HARIYADI, Dewi Melani - ISLAM, Nazrul. Current Status of Alginate in Drug Delivery. In ADVANCES IN PHARMACOLOGICAL AND PHARMACEUTICAL SCIENCES. ISSN 2633-4682, 2020, vol. 2020, 8886095. Dostupné na: <https://doi.org/10.1155/2020/8886095>., Registrované v: WOS
2. [1.1] RAVI, Ashwini - VIJAYANAND, S. - RAMYA, G. - SHYAMALA, A. - RAJESHKANNAN, Velu - AISVERYA, S. - SUDHA, P. N. - HEMAPRIYA, J. Alginates: Current Uses and Future Perspective. In ALGINATES: APPLICATIONS IN THE BIOMEDICAL AND FOOD INDUSTRIES, 2019, pp. 283-312., Registrované v: WOS

ADCA717 KRUPA, Dalibor - MESHCHERYAKOV, V.A. - SUROVTSEV, Y.S. Multichannel approach to studying scalar resonances. In *Il Nuovo Cimento A*, 1996, vol. 109, no. 3, p. 281-299.

Ohlasy:

1. [1.1] KUANG, Shi-Qing - DAI, Ling-Yun - KANG, Xian-Wei - YAO, De-Liang. Pole analysis on the hadron spectroscopy of $\Lambda_b \rightarrow J/\psi p K(-)$. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2020, vol. 80, no. 5, 433., Registrované v: WOS
2. [1.1] NAZARI, V. - KAMINSKI, Robert. PRECISE DETERMINATION OF $\pi\pi$ SCATTERING AMPLITUDES FOR D AND F WAVES. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2015, vol. 46, no. 7, pp. 1355., Registrované v: WOS

ADCA718 KUBIČÁR, Ľudovít - BOHÁČ, Vlastimil. A step-wise method for measuring thermophysical parameters of materials. In *Measurement Science and Technology*, 2000, vol. 11, no. 3, p. 252-258. (1999: 0.850 - IF, Current Contents - CCC). (2000 - Current Contents). ISSN 0957-0233. Dostupné na: <https://doi.org/10.1088/0957-0233/11/3/312>

Ohlasy:

1. [1.1] CHENG, Liang - YUE, Kai - WANG, Jun - ZHANG, Xinxin. A small-plane heat source method for measuring the thermal conductivities of anisotropic materials. In MEASUREMENT SCIENCE AND TECHNOLOGY. ISSN 0957-0233, 2017, vol. 28, no. 7, 075002., Registrované v: WOS
2. [1.1] CHUDZIK, S. Applying infrared measurements in a measuring system for determining thermal parameters of thermal insulation materials. In INFRARED PHYSICS & TECHNOLOGY. ISSN 1350-4495, 2017, vol. 81, pp. 296-304., Registrované v: WOS
3. [1.1] JANNOT, Yves - DEGIOVANNI, Alain - GRIGOROVA-MOUTIERS, Veneta - GODEFROY, Justine. A passive guard for low thermal conductivity measurement of small samples by the hot plate method. In MEASUREMENT SCIENCE AND TECHNOLOGY. ISSN 0957-0233, 2017, vol. 28, no. 1, 015008., Registrované v: WOS
4. [1.1] KONIORCZYK, P. - ZMYWACZYK, J. - WIELGOSZ, M. Step-wise transient method for analysis of thermal properties of materials part 1. Theoretical considerations. In THERMOCHIMICA ACTA. ISSN 0040-6031, 2019, vol. 682, 178429., Registrované v: WOS
5. [1.1] KONIORCZYK, P. - ZMYWACZYK, J. - WIELGOSZ, M. Step-wise transient method for analysis of thermal properties of materials Part 2. Experimental investigations. In THERMOCHIMICA ACTA. ISSN 0040-6031, 2019, vol. 681, 178376., Registrované v: WOS
6. [1.1] MALINARIC, Svetozar - DIESKA, Peter. Stepwise and Pulse Transient Methods of Thermophysical Parameters Measurement. In INTERNATIONAL JOURNAL OF THERMOPHYSICS. ISSN 0195-928X, 2016, vol. 37, no. 12, 114., Registrované v: WOS
7. [1.1] MALINARIC, Svetozar - DIESKA, Peter. Step Wise Transient Method Influence of Heat Source Inertia. In AIP CONFERENCE PROCEEDINGS, 2016, vol. 1752, 040019., Registrované v: WOS
8. [1.1] MALINARIC, Svetozar - DIESKA, Peter. Contribution to the Stepwise and Pulse Transient Methods. In 22ND INTERNATIONAL MEETING OF THERMOPHYSICS 2017 AND 4TH MEETING OF ENRE 2017 (THERMOPHYSICS 2017). ISSN 0094-243X, 2017, vol. 1866, UNSP 040025-1., Registrované v: WOS
9. [1.1] MALINARIC, Svetozar - DIESKA, Peter. Contribution to the

- Stepwise Transient Method. In THERMOPHYSICS 2018. ISSN 0094-243X, 2018, vol. 1988, 020028., Registrované v: WOS
10. [1.1] MALINARIC, Svetozar. Step-wise transient method. In MEASUREMENT SCIENCE AND TECHNOLOGY. ISSN 0957-0233, 2016, vol. 27, no. 3, 035601., Registrované v: WOS
11. [1.1] MICHALAK, Marina - KRUCINSKA, Izabella. A smart textile fabric with two-way action. In TEXTILE RESEARCH JOURNAL. ISSN 0040-5175, 2018, vol. 88, no. 18, pp. 2044-2054., Registrované v: WOS
12. [1.1] SABAPATHY, Karthik A. - GEDUPUDI, Sateesh. Straw bale based constructions: Measurement of effective thermal transport properties. In CONSTRUCTION AND BUILDING MATERIALS. ISSN 0950-0618, 2019, vol. 198, pp. 182-194., Registrované v: WOS
13. [1.1] YUE, Kai - CHENG, Liang - YANG, Lina - JIN, Bitao - ZHANG, Xinxin. Thermal Conductivity Measurement of Anisotropic Biological Tissue In Vitro. In INTERNATIONAL JOURNAL OF THERMOPHYSICS. ISSN 0195-928X, 2017, vol. 38, no. 6, 92., Registrované v: WOS
14. [1.1] YU, Fan. The thermal conductivity measurement for aerogel composite insulation materials by the step-wise transient method in temperature range from 25 to 1200 degrees C. In HIGH TEMPERATURES-HIGH PRESSURES. ISSN 0018-1544, 2015, vol. 44, no. 2, pp. 105., Registrované v: WOS

ADCA719 KUBIČÁR, Ľudovít - VRETENÁR, Viliam - ŠTOFANIK, Vladimír, 1975- - BOHÁČ, Vlastimil. Hot-ball method for measuring thermal conductivity. In *International Journal of Thermophysics*, 2010, vol. 31, no. 10, p. 1904-1918. (2009: 0.702 - IF, Q3 - JCR, 0.469 - SJR, Q3 - SJR, Current Contents - CCC). (2010 - Current Contents, WOS, SCOPUS). ISSN 0195-928X. Dostupné na: <https://doi.org/10.1007/s10765-008-0544-4>

Ohlasy:

1. [1.1] AGLIATA, Rosa - GRECO, Roberto - MOTTO, Luigi. Moisture Measurements in Heritage Masonries: A Review of Current Techniques. In MATERIALS EVALUATION. ISSN 0025-5327, 2018, vol. 76, no. 11, pp. 1478-1487., Registrované v: WOS
2. [1.1] FLORES CUAUTLE, J. J. A. - ARIAS, N. P. - SANDOVAL GONZALEZ, O. O. - MARTINEZ SIBAJA, A. - LANDETA ESCAMILLA, O. - RIVERA VARGAS, A. Investigation of Thermal Conductivity by Hot Ball Method and its Correlation with Soil Quality Index of Veracruz Sugarcane Soil. In SUGAR TECH. ISSN 0972-1525, 2019, vol. 21, no. 3, pp. 407-414., Registrované v: WOS
3. [1.1] CHEN, Yong-Gui - LIU, Xue-Min - MU, Xiang - YE, Wei-Min - CUI, Yu-Jun - CHEN, Bao - WU, Dong-Bei. Thermal Conductivity of Compacted GO-GMZ Bentonite Used as Buffer Material for a High-Level Radioactive Waste Repository. In ADVANCES IN CIVIL ENGINEERING. ISSN 1687-8086, 2018, 9530813., Registrované v: WOS
4. [1.1] LARA-HERNANDEZ, G. - FLORES-CUAUTLE, J. J. A. - HERNANDEZ-AGUILAR, C. - SUASTE-GOMEZ, E. - CRUZ-OREA, A. Thermal Properties of Jojoba Oil Between 20 degrees C and 45 degrees C. In INTERNATIONAL JOURNAL OF THERMOPHYSICS. ISSN 0195-928X, 2017, vol. 38, no. 8, 115., Registrované v: WOS
5. [1.1] LI, Biao - XU, Weiya - TONG, Fuguo. Measuring thermal

conductivity of soils based on least squares finite element method. In INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER. ISSN 0017-9310, 2017, vol. 115, part B, pp. 833-841., Registrované v: WOS

6. [1.1] PUJULA, Miquel - SANCHEZ-RODRIGUEZ, Daniel - PERE LOPEZ-OLMEDO, Joan - FARJAS, Jordi - ROURA, Pere. Measuring thermal conductivity of powders with differential scanning calorimetry A simplified method. In JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY. ISSN 1388-6150, 2016, vol. 125, no. 2, pp. 571-577., Registrované v: WOS

7. [1.1] STAROSTIN, Alexandr A. - PUCHINSKIS, Stanislavs E. - EFREMOV, Vladimir P. - SKRIPOV, Pavel V. Investigation of not fully stable fluids by the method of controlled pulse heating. 2. Short-term thermal stability of polymethyl metacrylate. In THERMOCHIMICA ACTA. ISSN 0040-6031, 2015, vol. 609, pp. 31., Registrované v: WOS

8. [1.1] THI-THAO NGO - HUANG, Jin-Huang - WANG, Chi-Chang. Inverse simulation and experimental verification of temperature-dependent thermophysical properties. In INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER. ISSN 0735-1933, 2016, vol. 71, pp. 137-147., Registrované v: WOS

9. [1.1] XU, Xiaodong - CUAUTLE, Jose Jesus Agustin Flores - KOUYATE, Mansour - ROOZEN, Nicolaas Bernardus - GOOSSENS, Jozefien - MENON, Preethy - MALAYIL, Maju Kuriakose - SALENBIEN, Robbe - RAJESH, Ravindran Nair - GLORIEUX, Christ - GRIESMAR, Pascal - MARTINEZ, Loic - SERFATY, Stephane. Evolution of elastic and thermal properties during TMOS-gel formation determined by ringing bottle acoustic resonance spectroscopy, impulsive stimulated scattering, photopyroelectric spectroscopy and the hot ball method. In JOURNAL OF PHYSICS D-APPLIED PHYSICS. ISSN 0022-3727, 2016, vol. 49, no. 8, 085502., Registrované v: WOS

10. [1.1] ZMESKAL, Oldrich - TRHLIKOVA, Lucie - DOHNALOVA, Lenka. Study of Thermal Properties of Insulating Materials. In PROCEEDINGS OF THE INTERNATIONAL CONFERENCE OF NUMERICAL ANALYSIS AND APPLIED MATHEMATICS 2014 (ICNAAM-2014). ISSN 0094-243X, 2015, vol. 1648, UNSP 410012., Registrované v: WOS

ADCA720 KUBIČÁR, Ľudovít - BOHÁČ, Vlastimil. Intercomparison measurements by pulse transient and stepwise transient methods on Perspex and stainless steel A310. In *High Temperatures-High Pressures*, 2002, vol. 34, no. 2, p. 135-146. (2001: 0.327 - IF). ISSN 0018-151X. Dostupné na: <https://doi.org/10.1068/htwu134>

Ohlasy:

1. [1.1] STAROSTIN, Aleksandr A. - LUK'YANOV, Kirill - SMOTRITSKIY, Aleksandr A. - SKRIPOV, Pavel. Investigation of not fully stable fluids by the method of controlled pulse heating. 4. Evaluation of PMMA thermophysical properties up to 673 K. In THERMOCHIMICA ACTA. ISSN 0040-6031, 2019, vol. 682, 178416., Registrované v: WOS

2. [1.1] STAROSTIN, Alexandr A. - PUCHINSKIS, Stanislavs E. - EFREMOV, Vladimir P. - SKRIPOV, Pavel V. Investigation of not fully stable fluids by the method of controlled pulse heating. 2. Short-term thermal stability of polymethyl metacrylate. In THERMOCHIMICA ACTA. ISSN 0040-6031, 2015, vol. 609, pp. 31., Registrované v: WOS

ADCA721 KUBIČÁR, Ľudovít - VRETENÁR, Viliam - HAMMERSCHMIDT, U.

Thermophysical parameters of optical glass BK 7 measured by the pulse transient method. In *International Journal of Thermophysics*, 2005, vol. 26, no. 2, p. 507-518. ISSN 0195-928X. Dostupné na: <https://doi.org/10.1007/s10765-005-4512-y>

Ohlasy:

1. [1.1] ANTONIADIS, Konstantinos D. - TYROU, Alexandra - ASSAEL, Marc J. - LI, Xiaojing - WU, Jiangtao - EBERT, Hans-Peter. Reference Correlations for the Thermal Conductivity of Solid BK7, PMMA, Pyrex 7740, Pyroceram 9606 and SS304. In *INTERNATIONAL JOURNAL OF THERMOPHYSICS*. ISSN 0195-928X, 2020, vol. 41, no. 7, 98., Registrované v: WOS
2. [1.1] BALACHANDAR, Settu - SHIVAPRAKASH, N. C. - RAO, L. Kameswara. Estimation of the thermal diffusivity of solids based on 'instantaneous velocimetry' using an interferometer. In *PRAMANA-JOURNAL OF PHYSICS*. ISSN 0304-4289, 2017, vol. 88, no. 3, 41., Registrované v: WOS
3. [1.1] BYKOVSKII, N. E. - SENATSKII, Yu. On the Mechanism of Absorption and Restoration of Radiation Transmission in the Channel of Small-Scale Self-Focusing of a Short Laser Pulse in Neodymium Glass. In *PHYSICS OF THE SOLID STATE*. ISSN 1063-7834, 2019, vol. 61, no. 11, pp. 2110-2116., Registrované v: WOS
4. [1.1] MIAO, Sheqiang - ZHOU, Yongsheng - LI, Heping. Thermal Diffusivity of Lherzolite at High Pressures and High Temperatures Using Pulse Method. In *JOURNAL OF EARTH SCIENCE*. ISSN 1674-487X, 2019, vol. 30, no. 1, pp. 218-222., Registrované v: WOS

ADCA722 KUBIČÁR, Ľudovít - BOHÁČ, Vlastimil - VRETENÁR, Viliam - BARTA, Š.

- NEUER, G. - BRANDT, R. Thermophysical properties of heterogeneous structures measured by pulse transient method. In *International Journal of Thermophysics*, 2005, vol. 26, no. 6, p. 1949-1962. ISSN 0195-928X. Dostupné na: <https://doi.org/10.1007/s10765-005-8607-2>

Ohlasy:

1. [1.1] ANTONIADIS, Konstantinos D. - TYROU, Alexandra - ASSAEL, Marc J. - LI, Xiaojing - WU, Jiangtao - EBERT, Hans-Peter. Reference Correlations for the Thermal Conductivity of Solid BK7, PMMA, Pyrex 7740, Pyroceram 9606 and SS304. In *INTERNATIONAL JOURNAL OF THERMOPHYSICS*. ISSN 0195-928X, 2020, vol. 41, no. 7, 98., Registrované v: WOS
2. [1.1] FORT, Jan - TRNIK, Anton - SCHEINHERROVA, Lenka - PAVLIK, Zbysek - PAVLIKOVÁ, Milena - CERNY, Robert. Thermal Properties of Cement Based Composites with Municipal Solid Waste Incinerator Fly Ash Accessed by Two Different Transient Methods. In *MATERIALS SCIENCE-MEDZIAGOTYRA*. ISSN 1392-1320, 2016, vol. 22, no. 1, pp. 132-137., Registrované v: WOS
3. [1.1] JERMAN, Milos - MEDVED, Igor - CERNY, Robert. Length changes of autoclaved aerated concrete exposed to cyclic wetting and drying. In *CEMENT WAPNO BETON*. ISSN 1425-8129, 2015, vol. 20, no. 3, pp. 139., Registrované v: WOS
4. [1.1] KANG BO - ZHANG WENLI - LIN HAIBO - XING YONGHUI - ZHAO JINFENG - WANG YAN. Thermal Transfer During the Activation Process in LiSi/FeS₂ Thermal Batteries. In *CHEMICAL RESEARCH*

IN CHINESE UNIVERSITIES. ISSN 1005-9040, 2016, vol. 32, no. 4, pp. 665-668., Registrované v: WOS

5. [1.1] RUTIN, Sergey B. - GALKIN, Dmitriy A. - SKRIPOV, Pavel V. Returning to classic conditions of THW-technique: A device for the constant heating power mode. In INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER. ISSN 0017-9310, 2017, vol. 115, pp. 769-773., Registrované v: WOS

6. [1.1] ZHANG, Yuan - WAN, Zhijun - MA, Zhaoyang - GU, Bin - MA, Yangsheng. HEAT TRANSFER ANALYSIS OF SURROUNDING ROCKS WITH THERMAL INSULATION LAYER IN HIGH GEOTHERMAL ROADWAY. In THERMAL SCIENCE. ISSN 0354-9836, 2019, vol. 23, no. 2, pp. 777-790., Registrované v: WOS

ADCA723 KUBIČÁR, Ľudovít - VRETENÁR, Viliam - BOHÁČ, Vlastimil - TIANO, P. Thermophysical analysis of sandstone by pulse transient method. In *International Journal of Thermophysics*, 2006, vol. 27, no. 1, p. 220-234. ISSN 0195-928X. Dostupné na: <https://doi.org/10.1007/s10765-006-0042-5>

Ohlasy:

1. [1.1] JIANG, Haibo. The Relationship between Mechanical Properties and Gradual Deterioration of Microstructures of Rock Mass Subject to Freeze-thaw Cycles. In EARTH SCIENCES RESEARCH JOURNAL. ISSN 1794-6190, 2018, vol. 22, no. 1, pp. 53-57., Registrované v: WOS

2. [1.1] LI, Jieli - KAUNDA, Rennie B. - ZHOU, Keping. Experimental investigations on the effects of ambient freeze-thaw cycling on dynamic properties and rock pore structure deterioration of sandstone. In COLD REGIONS SCIENCE AND TECHNOLOGY. ISSN 0165-232X, 2018, vol. 154, pp. 133-141., Registrované v: WOS

3. [1.1] SHEN, Yanjun - YANG, Yang - YANG, Gengshe - HOU, Xin - YE, Wanjun - YOU, Zhemin - XI, Jiami. Damage characteristics and thermo-physical properties changes of limestone and sandstone during thermal treatment from -30 degrees C to 1000 degrees C. In HEAT AND MASS TRANSFER. ISSN 0947-7411, 2018, vol. 54, no. 11, pp. 3389-3407., Registrované v: WOS

4. [1.1] YU, Fan. The thermal conductivity measurement for aerogel composite insulation materials by the step-wise transient method in temperature range from 25 to 1200 degrees C. In HIGH TEMPERATURES-HIGH PRESSURES. ISSN 0018-1544, 2015, vol. 44, no. 2, pp. 105., Registrované v: WOS

ADCA724 KUBIČÁR, Ľudovít - BOHÁČ, Vlastimil - VRETENÁR, Viliam. Transient methods for the measurement of thermophysical properties: The pulse transient method. In *High Temperatures-High Pressures*, 2002, vol. 34, no. 5, p. 505-514. ISSN 0018-1544.

Ohlasy:

1. [1.1] CHENG, Liang - YUE, Kai - WANG, Jun - ZHANG, Xinxin. A small-plane heat source method for measuring the thermal conductivities of anisotropic materials. In MEASUREMENT SCIENCE AND TECHNOLOGY. ISSN 0957-0233, 2017, vol. 28, no. 7, 075002., Registrované v: WOS

- ADCA725 KUBIČÁR, Ľudovít - ILLEKOVÁ, Emília. Use of pulse method for study of structural- changes of materials. In *Thermochimica Acta*, 1985, vol. 92, p. 441-444. ISSN 0040-6031. Dostupné na: [https://doi.org/10.1016/0040-6031\(85\)85910-4](https://doi.org/10.1016/0040-6031(85)85910-4)
Ohlasy:
1. [1.1] SULCOVA, Petra - SESTAK, Jaroslav - MENYHARD, Alfred - LIPTAY, George. Some historical aspects of thermal analysis on the mid-European territory. In *JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY*. ISSN 1388-6150, 2015, vol. 120, no. 1, pp. 239., Registrované v: WOS
- ADCA726 KUBOTA, T. - IVANČO, Ján - TAKAHASHI, M. - YONEDA, K. - TODOKORO, Y. - KOBAYASHI, H. Elimination of interface states in the GaAs band-gap by cyanide treatment: XPS measurements under bias. In *Surface Science*, 2003, vol. 529, no. 3, p. 329-337. ISSN 0039-6028. Dostupné na: [https://doi.org/10.1016/S0039-6028\(03\)00263-2](https://doi.org/10.1016/S0039-6028(03)00263-2)
Ohlasy:
1. [1.1] JAYATHILAKA, K. M. D. C. - KUMARA, L. S. R. - SONG, C. H. - KOHARA, S. - SAKATA, O. - KAPAKLIS, V. - SIRIPALA, W. - JAYANETTI, J. K. D. S. Annealing effects of the untreated and sulfur-treated electrodeposited n-type and p-type cuprous oxide thin films. In *PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS*. ISSN 0370-1972, 2016, vol. 253, no. 4, pp. 765-769., Registrované v: WOS
2. [1.1] KIM, Sun-Woo - KIRN, Seung-Hwan - KIM, Gwang-Sik - CHOI, Changhwan - CHOI, Rino - YU, Hyun-Yong. The Effect of Interfacial Dipoles on the Metal-Double Interlayers-Semiconductor Structure and Their Application in Contact Resistivity Reduction. In *ACS APPLIED MATERIALS & INTERFACES*. ISSN 1944-8244, 2016, vol. 8, no. 51, pp. 35614-35620., Registrované v: WOS
- ADCA727 KUGLER, A. - WAGNER, V. - PACHR, M. - SUMBERA, M. - SOBOLEV, Y.G. - HLAVÁČ, Stanislav - SIMON, R.S. - LORENCZ, R. - WOHLGEMUTH, R. Emission of nucleons and light fragments relative to the reaction plane in Bi+Pb collisions at 1 GEV/u. In *Physics Letters B*, 1994, vol. 335, no. 3-4, p. 319-325. (1993: 3.079 - IF, Current Contents - CCC). (1994 - Current Contents, SCOPUS). ISSN 0370-2693. Dostupné na: [https://doi.org/10.1016/0370-2693\(94\)90357-3](https://doi.org/10.1016/0370-2693(94)90357-3)
Ohlasy:
1. [1.1] MALI, P. - MUKHOPADHYAY, A. - SARKAR, S. - SINGH, G. Azimuthal correlation and collective behavior in nucleus-nucleus collisions. In *PHYSICS OF ATOMIC NUCLEI*. ISSN 1063-7788, 2015, vol. 78, no. 2, pp. 258-267., Registrované v: WOS
- ADCA728 KUCHARÍK, Marián - KORENKO, Michal - JANIČKOVIČ, Dušan - KADLEČÍKOVÁ, M. - BOČA, Miroslav - OBOŇA, Jozef Vincenc. Rapid solidification of cryolite and cryolite-alumina melts. In *Monatshefte für Chemie*, 2010, vol. 141, no. 1, p. 7-13. (2009: 1.312 - IF, Q2 - JCR, 0.479 - SJR, Q2 - SJR, Current Contents - CCC). (2010 - Current Contents). ISSN 0026-9247. Dostupné na: <https://doi.org/10.1007/s00706-009-0229-0>
Ohlasy:
1. [1.1] LENZ, Stephan - SCHNEIDER, Hartmut - FISCHER, Reinhard X. Mullite-type Na_{0.67}Al₆O_{9.33} and a discussion of iota-alumina. In *JOURNAL*

ADCA729 KULIK, T. - VLASÁK, Gabriel - ZUBEREK, R. Correlation between microstructure and magnetic properties of amorphous and nanocrystalline Fe_{73.5}Cu₁Nb₃Si_{16.5}B₆. In *Materials Science and Engineering A - Structural Materials Properties Microstructure and Processing*, 1997, vol. 226, p. 701-705. (1996: 0.852 - IF, Current Contents - CCC). (1997 - Current Contents, WOS, SCOPUS). ISSN 0921-5093. Dostupné na: [https://doi.org/10.1016/s0921-5093\(97\)80074-3](https://doi.org/10.1016/s0921-5093(97)80074-3)

Ohlasy:

1. [1.1] NABIALEK, Marcin - PIETRUSIEWICZ, Pawel - SZOTA, Michal - ABDULLAH, Mohd Mustafa Al Bakri - SANDU, Andrei Victor. The Structure and Porosity of Fe_{62-x}Co₁₀WyMexY₈B_{20-y} Alloys in the Amorphous and Crystalline States (where: Me = Mo, Nb; x=0, 1, 2; y=0, 1, 2). In REVISTA DE CHIMIE. ISSN 0034-7752, 2017, vol. 68, no. 1, pp. 22-27., Registrované v: WOS
2. [1.1] ORYSHCHENKO, A.S. et al. Powder fillers based on a nanocrystalline soft magnetic alloy. In METAL SCIENCE AND HEAT TREATMENT, 2015, vol. 56, pp. 537-541., Registrované v: WOS
3. [1.1] ZHU, Qianke - CHEN, Zhe - ZHANG, Shuling - LI, Qiushu - JIAN, Yong - WU, Peixuan - ZHANG, Kewei. Improving soft magnetic properties in FINEMET-like alloys with Ga addition. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2019, vol. 487, UNSP 165297., Registrované v: WOS

ADCA730 KUNDRACIK, F. - HARTMANOVÁ, Mária - MÜLLEROVÁ, J. - JERGEL, Matej - KOSTIČ, Ivan - TUCOULOU, R. Ohmic resistance of thin yttria stabilized zirconia film and electrode-electrolyte contact area. In *Materials Science and Engineering*, 2001, vol. B 84, no. 3, p. 167-175. (2000: 0.592 - IF, Current Contents - CCC). (2001 - Current Contents, SCOPUS). ISSN 0921-5107. Dostupné na: [https://doi.org/10.1016/S0921-5107\(01\)00515-3](https://doi.org/10.1016/S0921-5107(01)00515-3)

Ohlasy:

1. [1.1] ALIRAMEZANI, Masoud - KOCH, Charles Robert - SECANELL, Marc - HAYES, Robert E. - PATRICK, Ron. An electrochemical model of an amperometric NO_x sensor. In SENSORS AND ACTUATORS B-CHEMICAL. ISSN 0925-4005, 2019, vol. 290, pp. 302-311., Registrované v: WOS
2. [1.2] ZHOU, X. D. - LU, Z. - TEMPLETON, J. - STEVENSON, J. W. Anomalous ohmic loss in solid oxide fuel cells with doped ceria interlayers. In ECS Transactions. ISSN 19385862, 2015-01-01, 68, 1, pp. 2453-2461., Registrované v: SCOPUS

ADCA731 KURILKIN, P.P. - SUDA, K. - UESAKA, T. - LADYGIN, V.P. - GURCHIN, Yu.V. - ISUPOV, A.Yu. - ITOH, K. - JANEK, M. - KARACHUK, J.-T. - KAWABATA, T. - KHRENOV, A.N. - KISELEV, A.S. - KIZKA, V.A. - KLIMAN, Ján - KRASNOV, V.A. - LADYGINA, N.B. - LIVANOV, A.N. - MAEDA, Y. - MALAKHOV, A.I. - MATOUŠEK, Vladislav - MORHÁČ, Miroslav - REZNIKOV, S.G. - SAKAGUCHI, S. - SAKAI, H. - SASAMOTO, Y. - SEKIGUCHI, K. - SHIKHALEV, M.A. - TURZO, Ivan - VASILIEV, T.A. -

WITALA, H. Analyzing powers measurement for d-p elastic scattering at the internal target station of nuclotron. In *International Journal of Modern Physics A*, 2009, vol. 24, no. 2-3, p. 530-533.

Ohlasy:

1. [1.1] ARTIOMOV, A. S. Methods for Organizing the Interaction of Circulating Particle Beams with Internal Targets in Nuclear Physics Experiments at Synchrotrons and Storage Rings. In *PHYSICS OF PARTICLES AND NUCLEI*. ISSN 1063-7796, 2017, vol. 48, no. 3, pp. 455-487., Registrované v: WOS

ADCA732 KURMAEV, E.Z. - SHAMIN, S.N. - GALAKHOV, V.R. - WIECH, G. - MAJKOVÁ, Eva - LUBY, Štefan. Characterization of W/Si multilayers by ultrasoft x-ray emission spectroscopy. In *Journal of Materials Research*, 1995, vol. 10, p. 907-911. ISSN 0884-2914. Dostupné na: <https://doi.org/10.1557/JMR.1995.0907>

Ohlasy:

1. [1.1] ZHANG JIN-SHUAI - HUANG QIU-SHI - JIANG LI - QI RUN-ZE - YANG YANG - WANG FENG-LI - ZHANG ZHONG - WANG ZHAN-SHAN. Stress and structure properties of X-ray W/Si multilayer under low temperature annealing. In *ACTA PHYSICA SINICA*. ISSN 1000-3290, 2016, vol. 65, no. 8, 086101., Registrované v: WOS

ADCA733 KVASIL, J. - NESTERENKO, V.O. - REPKO, Anton - KLEINIG, W. - REINHARD, P.-G. Deformation-induced splitting of the isoscalar E0 giant resonance: Skyrme random-phase-approximation analysis. In *Physical Review C. Nuclear Physics*, 2016, vol. 94, no. 6, 064302. (2015: 3.146 - IF, Q2 - JCR, 1.993 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.94.064302>

Ohlasy:

1. [1.1] GARG, Umesh - COLO, Gianluca. The compression-mode giant resonances and nuclear incompressibility. In *PROGRESS IN PARTICLE AND NUCLEAR PHYSICS*. ISSN 0146-6410, 2018, vol. 101, pp. 55-95., Registrované v: WOS
2. [1.1] HOWARD, K. B. - GARG, U. - ITOH, M. - AKIMUNE, H. - FUJIWARA, M. - FURUNO, T. - GUPTA, Y. K. - HARAKEH, M. N. - INABA, K. - ISHIBASHI, Y. - KARASUDANI, K. - KAWABATA, T. - KOHDA, A. - MATSUDA, Y. - MURATA, M. - NAKAMURA, S. - OKAMOTO, J. - OTA, S. - PIEKAREWICZ, J. - SAKAUE, A. - SENYIGIT, M. - TSUMURA, M. - YANG, Y. Compressional-mode resonances in the molybdenum isotopes: Emergence of softness in open-shell nuclei near A=90. In *PHYSICS LETTERS B*. ISSN 0370-2693, 2020, vol. 807, 135608., Registrované v: WOS
3. [1.1] LYUTOROVICH, N. - TSELYAEV, V - SPETH, J. - REINHARD, P.-G. Excitation spectra of exotic nuclei in a self-consistent phonon-coupling model. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2018, vol. 98, no. 5, 054304., Registrované v: WOS
4. [1.1] SUN, Xuwei - CHEN, Jing - LU, Dinghui. Effects of the gamma-soft isomeric states on the giant monopole resonances in even-even cadmium isotopes Cd-110, Cd-112, Cd-114, Cd-116. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 100, no. 5, 054605., Registrované v: WOS

ADCA734 LAI, W.K. - BUŽEK, Vladimír - KNIGHT, P.L. Dynamics of a 3-level atom in a 2-mode squeezed vacuum. In *Physical Review A*, 1991, vol. 44, no. 9, p. 6043-6056. ISSN 1050-2947.

Ohlasy:

1. [1.1] FERANCHUK, I. D. - LEONOV, A. V. - SKOROMNIK, O. D. Physical background for parameters of the quantum Rabi model. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2016, vol. 49, no. 45, 454001., Registrované v: WOS
2. [1.1] LAHA, Pradip - SUDARSAN, B. - LAKSHMIBALA, S. - BALAKRISHNAN, V. Entanglement Dynamics in a Model Tripartite Quantum System. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2016, vol. 55, no. 9, pp. 4044-4059., Registrované v: WOS
3. [1.1] SEHATI, N. - TAVASSOLY, M. K. Approximate conditional teleportation of Lambda-type three-level atomic state based on cavity QED method beyond Bell-state measurement. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2017, vol. 16, no. 8, UNSP 193., Registrované v: WOS

ADCA735 LAI, W.K. - BUŽEK, Vladimír - KNIGHT, P.L. Interaction of a 3-level atom with an su(2) coherent state. In *Physical Review A*, 1991, vol. 44, no. 3, p. 2003-2012. ISSN 1050-2947.

Ohlasy:

1. [1.1] LAHA, Pradip - SUDARSAN, B. - LAKSHMIBALA, S. - BALAKRISHNAN, V. Entanglement Dynamics in a Model Tripartite Quantum System. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2016, vol. 55, no. 9, pp. 4044-4059., Registrované v: WOS
2. [1.1] RAN, Du - YANG, Zhen-Biao. Entanglement transfer from two-mode anti-correlated continuous-variable systems to a pair of localized discrete systems. In EUROPEAN PHYSICAL JOURNAL D. ISSN 1434-6060, 2016, vol. 70, no. 4, 89., Registrované v: WOS

ADCA736 LAI, W.K. - BUŽEK, Vladimír - KNIGHT, P.L. Nonclassical fields in a linear directional coupler. In *Physical Review A*, 1991, vol. 43, no. 11, p. 6323-6336. ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.43.6323>

Ohlasy:

1. [1.1] ALVAREZ-RODRIGUEZ, Unai - PEREZ-LEIJA, Armando - EGUSQUIZA, Inigo L. - GRAEFE, Markus - SANZ, Mikel - LAMATA, Lucas - SZAMEIT, Alexander - SOLANO, Enrique. Advanced-Retarded Differential Equations in Quantum Photonic Systems. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2017, vol. 7, 42933., Registrované v: WOS
2. [1.1] GRAEFE, Markus - HEILMANN, Rene - LEBUGLE, Maxime - GUZMAN-SILVA, Diego - PEREZ-LEIJA, Armando - SZAMEIT, Alexander. Integrated photonic quantum walks. In JOURNAL OF OPTICS. ISSN 2040-8978, 2016, vol. 18, no. 10, 103002., Registrované v: WOS
3. [1.1] GRAEFE, Markus - SZAMEIT, Alexander. Integrated photonic quantum walks. In JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS. ISSN 0953-4075, 2020, vol. 53, no. 7, 073001., Registrované v: WOS
4. [1.1] CHATTERJEE, Arpita. Entanglement Potential Versus Negativity of Wigner Function for SUP-Operated Quantum States. In

- INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2018, vol. 57, no. 2, pp. 339-352., Registrované v: WOS
5. [1.1] QUIROZ-JUAREZ, Mario A. - PEREZ-LEIJA, Armando - TSCHERNIG, Konrad - RODRIGUEZ-LARA, Blas M. - MAGANA-LOAIZA, Omar S. - BUSCH, Kurt - JOGLEKAR, Yogesh N. - LEON-MONTIEL, Roberto de J. Exceptional points of any order in a single, lossy waveguide beam splitter by photon-number-resolved detection. In PHOTONICS RESEARCH. ISSN 2327-9125, 2019, vol. 7, no. 8, pp. 862-867., Registrované v: WOS
6. [1.1] TSCHERNIG, Konrad - LEON-MONTIEL, Roberto de J. - MAGANA-LOAIZA, Omar S. - SZAMEIT, Alexander - BUSCH, Kurt - PEREZ-LEIJA, Armando. Multiphoton discrete fractional Fourier dynamics in waveguide beam splitters. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS. ISSN 0740-3224, 2018, vol. 35, no. 8, pp. 1985-1989., Registrované v: WOS
7. [1.1] TSCHERNIG, Konrad - LEON-MONTIEL, Roberto de J. - PEREZ-LEIJA, Armando - BUSCH, Kurt. Multiphoton synthetic lattices in multiport waveguide arrays: synthetic atoms and Fock graphs. In PHOTONICS RESEARCH. ISSN 2327-9125, 2020, vol. 8, no. 7, pp. 1161-1170., Registrované v: WOS
8. [1.1] XU, Shi-Min - WANG, Lei - XU, Xing-lei - WANG, Ji-Suo. Studying Output States Generated by Optical Beam Splitter and 2-cascaded BS. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2020, vol. 59, no. 10, pp. 3235-3248., Registrované v: WOS

ADCA737 LANGE, S. - SILDOS, I. - HARTMANOVÁ, Mária - AARIK, J. - KIISK, V. Luminescence properties of Sm³⁺-doped polycrystalline ZrO₂. In *Journal of Non-Crystalline Solids*, 2008, vol. 354, no. 35-39, p. 4380-4382. (2007: 1.319 - IF, Q1 - JCR, 0.947 - SJR, Q1 - SJR, Current Contents - CCC). (2008 - Current Contents, SCOPUS). ISSN 0022-3093. Dostupné na: <https://doi.org/10.1016/j.jnoncrysol.2008.06.054>

Ohlasy:

1. [1.1] BAEZ-RODRIGUEZ, A. - ALVAREZ-FRAGOSO, O. - GARCIA-HIPOLITO, M. - GUZMAN-MENDOZA, J. - FALCONY, C. Luminescent properties of ZrO₂:Dy³⁺ and ZrO₂:Dy³⁺ +Li⁺ films synthesized by an ultrasonic spray pyrolysis technique. In CERAMICS INTERNATIONAL. ISSN 0272-8842, 2015, vol. 41, no. 5, pp. 7197., Registrované v: WOS
2. [1.1] CHORNII, V. - NEDILKO, S. G. - MIROSHNICHENKO, M. - TEREBILENKO, K. - SLOBODYANIK, M. Influence of fluorination on structure and luminescence of ZrO₂:Eu nanocrystals. In MATERIALS RESEARCH BULLETIN. ISSN 0025-5408, 2017, vol. 90, pp. 237-243., Registrované v: WOS
3. [1.1] OUYANG, Jing - YANG, Huaming - TANG, Aidong. Phase and optical properties of solvothermal prepared Sm₂O₃ doped ZrO₂ nanoparticles: The effect of oxygen vacancy. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2016, vol. 682, no., pp. 654-662., Registrované v: WOS
4. [1.1] RAMOS-GUERRA, A. I. - GUZMAN-MENDOZA, J. - GARCIA-HIPOLITO, M. - ALVAREZ-FREGOSO, O. - FALCONY, C. Multicolored photoluminescence and structural properties of zirconium oxide films co-doped with Tb³⁺ and Eu³⁺ ions. In CERAMICS INTERNATIONAL.

- ISSN 0272-8842, 2015, vol. 41, no. 9, pp. 11279., Registrované v: WOS
5. [1.1] SAWKA, Agata. ZrO₂-Sm₂O₃ Layer Growth Using the MOCVD Method at Low Temperatures and Under Reduced Pressure. In COATINGS, 2020, vol. 10, no. 11, 1126., Registrované v: WOS
6. [1.1] STOJADINOVIC, Stevan - TADIC, Nenad - VASILIC, Rastko. Photoluminescence of Sm³⁺ doped ZrO₂ coatings formed by plasma electrolytic oxidation of zirconium. In MATERIALS LETTERS. ISSN 0167-577X, 2016, vol. 164, no., pp. 329-332., Registrované v: WOS
7. [1.1] TAMRAKAR, Raunak Kumar - UPADHYAY, Kanchan. Combustion synthesized ZrO₂ Gd³⁺ nanophosphors: structural and photoluminescence studies. In JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS. ISSN 0957-4522, 2017, vol. 28, no. 17, pp. 12545-12550., Registrované v: WOS

ADCA738 LÁNYI, Štefan - PISANI, M. A high-input-impedance buffer. In *IEEE Transactions on Circuits and Systems*, 2002, vol. 49, no. 8, p. 1209-1211. ISSN 0098-4094. Dostupné na: <https://doi.org/10.1109/TCSI.2002.801287>

Ohlasy:

1. [1.1] LEE, Seungchan - SHIN, Younghak - KUMAR, Anil - KIM, Kiseon - LEE, Heung-No. Two-Wired Active Spring-Loaded Dry Electrodes for EEG Measurements. In SENSORS, 2019, vol. 19, no. 20, 4572., Registrované v: WOS

ADCA739 LÁNYI, Štefan. Analysis of linearity errors of inverse capacitance position sensors. In *Measurements Science and Technology*, 1998, vol. 9, no. 10, p. 1757-1764. ISSN 0957-0233. Dostupné na: <https://doi.org/10.1088/0957-0233/9/10/016>

Ohlasy:

1. [1.1] BAI, Yang - LU, Yunfeng - HU, Pengcheng - WANG, Gang - XU, Jinxin - ZENG, Tao - LI, Zhengkun - ZHANG, Zhonghua - TAN, Jiubin. Absolute Position Sensing Based on a Robust Differential Capacitive Sensor with a Grounded Shield Window. In SENSORS. ISSN 1424-8220, 2016, vol. 16, no. 5, 680., Registrované v: WOS
2. [1.1] PICOTTO, Gian Bartolo - BELLOTTI, Roberto - SOSSO, Andrea. Differential readings of capacitance-based controls of attitude and displacements at the micro/nano scale. In MEASUREMENT SCIENCE AND TECHNOLOGY. ISSN 0957-0233, 2020, vol. 31, no. 10, 104006., Registrované v: WOS
3. [1.1] PU, Hongji - LIU, Hongzhong - LIU, Xiaokang - PENG, Kai - YU, Zhicheng. A novel capacitive absolute positioning sensor based on time grating with nanometer resolution. In MECHANICAL SYSTEMS AND SIGNAL PROCESSING. ISSN 0888-3270, 2018, vol. 104, pp. 705-715., Registrované v: WOS
4. [1.1] YU, Zhicheng - PENG, Kai - LIU, Xiaokang - PU, Hongji - CHEN, Ziran. A new capacitive long-range displacement nanometer sensor with differential sensing structure based on time-grating. In MEASUREMENT SCIENCE AND TECHNOLOGY. ISSN 0957-0233, 2018, vol. 29, no. 5, 054009., Registrované v: WOS

ADCA740 LÁNYI, Štefan. Contact-limited conduction in V2O5 single-crystals. In *Physica status solidi A. Applied research*, 1979, vol. 54, no. 1, p. 37-43. ISSN 0031-8965. Dostupné na: <https://doi.org/10.1002/pssa.2210540104>

Ohlasy:

1. [1.1] NANDAKUMAR, Navaneetha K. - SEEBAUER, Edmund G. Manipulating Reaction Rates of Metal-Oxide Heterogeneous Catalysts via Semiconductor Heterojunctions. In *JOURNAL OF PHYSICAL CHEMISTRY C*. ISSN 1932-7447, 2018, vol. 122, no. 29, pp. 16655-16663., Registrované v: WOS
2. [1.1] WERNBACHER, Anna M. - EICHELBAUM, Maik - RISSE, Thomas - CAP, Sebastien - TRUNSCHKE, Annette - SCHLOEGL, Robert. Operando Electrical Conductivity and Complex Permittivity Study on Vanadia Oxidation Catalysts. In *JOURNAL OF PHYSICAL CHEMISTRY C*. ISSN 1932-7447, 2019, vol. 123, no. 13, pp. 8005-8017., Registrované v: WOS

ADCA741 LÁNYI, Štefan. Effect of tip shape on capacitance determination accuracy in scanning capacitance microscopy. In *Ultramicroscopy*, 2005, vol. 103, no. 3, p. 221-228. ISSN 0304-3991. Dostupné na: <https://doi.org/10.1016/j.ultramic.2004.12.002>

Ohlasy:

1. [1.1] DE VOOGD, J. M. - VAN SPRONSEN, M. A. - KALFF, F. E. - BRYANT, B. - OSTOJIC, O. - DEN HAAN, A. M. J. - GROOT, I. M. N. - OOSTERKAMP, T. H. - OTTE, A. F. - ROST, M. J. Fast and reliable pre-approach for scanning probe microscopes based. on tip-sample capacitance. In *ULTRAMICROSCOPY*. ISSN 0304-3991, 2017, vol. 181, pp. 61-69., Registrované v: WOS
2. [1.1] WANG, Lin - GAUTIER, Brice - SABAC, Andrei - BREMOND, Georges. Investigation of tip-depletion-induced fail in scanning capacitance microscopy for the determination of carrier type. In *ULTRAMICROSCOPY*. ISSN 0304-3991, 2017, vol. 174, pp. 46-49., Registrované v: WOS

ADCA742 LÁNYI, Štefan - HRUŠKOVIC, M. Linearization of inverse-capacitance-based displacement transducers. In *Measurement Science and Technology*. - Bristol : Institute of Physics Publishing, 2001, vol. 12, no. 1, p. 77-81. ISSN 0957-0233. Dostupné na: <https://doi.org/10.1088/0957-0233/12/1/310>

Ohlasy:

1. [1.1] ISLAM, Tarikul - MUKHOPADHYAY, S. C. Linearization of the sensors characteristics: a review. In *INTERNATIONAL JOURNAL ON SMART SENSING AND INTELLIGENT SYSTEMS*. ISSN 1178-5608, 2019, vol. 12, no. 1., Registrované v: WOS

ADCA743 LÁNYI, Štefan. Polarization in ionic crystals with incompletely blocking electrodes. In *Journal of Physics and Chemistry of Solids*, 1975, vol. 36, p. 775. ISSN 0022-3697.

Ohlasy:

1. [1.1] BARJOLA, Arturo - ESCORIHUELA, Jorge - ANDRIO, Andreu - GIMENEZ, Enrique - COMPAN, Vicente. Enhanced Conductivity of Composite Membranes Based on Sulfonated Poly(Ether Ether Ketone) (SPEEK)

with Zeolitic Imidazolate Frameworks (ZIFs). In NANOMATERIALS. ISSN 2079-4991, 2018, vol. 8, no. 12, 1042., Registrované v: WOS

ADCA744 LÁNYI, Štefan - NÁDAŽDY, Vojtech. Scanning probe microscope based deep-level spectroscopy of semiconductor films. In *Ultramicroscopy*, 2010, vol. 110, no. 6, p. 655-658. (2009: 2.067 - IF, Q2 - JCR, 1.755 - SJR, Q1 - SJR, Current Contents - CCC). (2010 - Current Contents). ISSN 0304-3991. Dostupné na: <https://doi.org/10.1016/j.ultramic.2010.02.027>

Ohlasy:

1. [1.1] CHINONE, Norimichi - KOSUGI, Ryoji - TANAKA, Yasunori - HARADA, Shinsuke - OKUMURA, Hajime - CHO, Yasuo. Proposal of local deep level transient spectroscopy using super-higher-order scanning nonlinear dielectric microscopy and 2-dimensional imaging of trap distribution in SiO₂/SiC interface. In Proceedings of the 2016 IEEE 23rd International Symposium on the Physical and Failure Analysis of Integrated Circuits (IPFA). ISSN 1946-1550, 2016, pp. 360-364., Registrované v: WOS
2. [1.1] CHINONE, N. - CHO, Y. - KOSUGI, R. - TANAKA, Y. - HARADA, S. - OKUMURA, H. Two-dimensional local deep level transient spectroscopy imaging using super-higher-order scanning nonlinear dielectric microscopy. In ISTFA 2016: CONFERENCE PROCEEDINGS FROM THE 42ND INTERNATIONAL SYMPOSIUM FOR TESTING AND FAILURE ANALYSIS, 2016, pp. 441-445., Registrované v: WOS
3. [1.1] THOMPSON, Annelise C. - SIMPSON, Burton H. - LEWIS, Nathan S. Macroscale and Nanoscale Photoelectrochemical Behavior of p-Type Si(111) Covered by a Single Layer of Graphene or Hexagonal Boron Nitride. In ACS APPLIED MATERIALS & INTERFACES. ISSN 1944-8244, 2020, vol. 12, no. 10, pp. 11551-11561., Registrované v: WOS

ADCA745 LÁNYI, Štefan. The noise of input stages with low parasitic capacitance. In *Measurement Science and Technology*. - Bristol : Institute of Physics Publishing, 2001, vol. 12, no. 9, p. 1456-1464. ISSN 0957-0233. Dostupné na: <https://doi.org/10.1088/0957-0233/12/9/311>

Ohlasy:

1. [1.1] DEMIRTAS, Mehmet - ERISMIS, Mehmet Akif - GUNES, Salih. A Lossy Capacitance Measurement Circuit Based on Analog Lock-in Detection. In ELEKTRONIKA IR ELEKTROTECHNIKA. ISSN 1392-1215, 2020, vol. 26, no. 5, pp. 4-10., Registrované v: WOS
2. [1.1] LEE, Seungchan - SHIN, Younghak - KUMAR, Anil - KIM, Kiseon - LEE, Heung-No. Two-Wired Active Spring-Loaded Dry Electrodes for EEG Measurements. In SENSORS, 2019, vol. 19, no. 20, 4572., Registrované v: WOS
3. [1.1] NICOLAS GUERRERO, Federico - MARIO SPINELLI, Enrique. A Two-Wired Ultra-High Input Impedance Active Electrode. In IEEE TRANSACTIONS ON BIOMEDICAL CIRCUITS AND SYSTEMS. ISSN 1932-4545, 2018, vol. 12, no. 2, pp. 437-445., Registrované v: WOS
4. [1.1] SPINELLI, Enrique - GUERRERO, Federico - GARCIA, Pablo - HABERMAN, Marcelo. A simple and reproducible capacitive electrode. In MEDICAL ENGINEERING & PHYSICS. ISSN 1350-4533, 2016, vol. 38, no. 3, pp. 286-289., Registrované v: WOS

ADCA746 LÁNYI, Štefan - HRUŠKOVIČ, M. The resolution limit of scanning capacitance microscopes. In *Journal of Physics D: Applied Physics*, 2003, vol. 36, no. 5, p. 598-602. (2003 - Current Contents, SCOPUS). ISSN 0022-3727. Dostupné na: <https://doi.org/10.1088/0022-3727/36/5/326>

Ohlasy:

1. [1.1] DE VOOGD, J. M. - VAN SPRONSEN, M. A. - KALFF, F. E. - et al. Fast and reliable pre-approach for scanning probe microscopes based. on tip-sample capacitance. In *ULTRAMICROSCOPY*. ISSN 0304-3991, 2017, vol. 181, pp. 61-69., Registrované v: WOS
2. [1.1] GRAMSE, Georg - KOELKER, Alexander - SKEREN, Tomas - STOCK, Taylor J. Z. - AEPPLI, Gabriel - KIENBERGER, Ferry - FUHRER, Andreas - CURSON, Neil J. Nanoscale imaging of mobile carriers and trapped charges in delta doped silicon p-n junctions. In *NATURE ELECTRONICS*. ISSN 2520-1131, 2020, vol. 3, no. 9, pp. 531-+, Registrované v: WOS
3. [1.1] CHINONE, N.- KOSUGI, R.- TANAKA, Z. Local deep level transient spectroscopy using super-higher-order scanning nonlinear dielectric microscopy. In *MICROELECTRONICS RELIABILITY*, vol. 64, 2016, p. 566-569., Registrované v: WOS
4. [1.1] XIAO, Chuanxiao - JIANG, Chun-Sheng - MOUTINHO, Helio - et al. Locating the electrical junctions in Cu(In,Ga)Se-2 and Cu₂ZnSnSe₄ solar cells by scanning capacitance spectroscopy. In *PROGRESS IN PHOTOVOLTAICS*. ISSN 1062-7995, 2017, vol. 25, no. 1, pp. 33-40., Registrované v: WOS

ADCA747 LARSEN, A.C. - GUTTORMSEN, M. - KRTIČKA, M. - BĚTÁK, Emil - BURGER, A. - GORGEN, A. - NYHUS, H.T. - REKSTAD, J. - SCHILLER, A. - SIEM, S. - TOFT, H.K. - TVETEN, G.M. - VOINOV, A.V. - WIKAN, K. Analysis of possible systematic errors in the Oslo method. In *Physical Review C*, 2011, vol. 83, no. 3, 034315. (2010: 3.416 - IF, 2.409 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.83.034315>

Ohlasy:

1. [1.1] ABERG, S. - CARLSSON, B. G. - DOSSING, Th. - MOLLER, P. The role of seniority-zero states in nuclear level densities. In *NUCLEAR PHYSICS A*. ISSN 0375-9474, 2015, vol. 941, pp. 97-120., Registrované v: WOS
2. [1.1] AVRIGEANU, M. - AVRIGEANU, V. - MANAILESCU, C. On Reaction Mechanisms Involved in the Deuteron-Induced Surrogate Reactions. In *EXOTIC NUCLEI AND NUCLEAR/PARTICLE ASTROPHYSICS (V). FROM NUCLEI TO STARS*. ISSN 0094-243X, 2015, vol. 1645, pp. 139-147., Registrované v: WOS
3. [1.1] ESCHER, J. E. - TONCHEV, A. P. - BURKE, J. T. - BEDROSSIAN, P. - CASPERSON, R. J. - COOPER, N. - HUGHES, R. O. - HUMBY, P. - ILIEVA, R. S. - OTA, S. - PIETRALLA, N. - SCIELZO, N. D. - WERNER, V. Compound-nuclear reactions with unstable nuclei: Constraining theory through innovative experimental approaches. In *CNR*15 5TH INTERNATIONAL WORKSHOP ON COMPOUND-NUCLEAR REACTIONS AND RELATED TOPICS*. ISSN 2100-014X, 2016, vol. 122., Registrované v: WOS
4. [1.1] HOROWITZ, C. J. - ARCONES, A. - COTE, B. - DILLMANN,

- I - NAZAREWICZ, W. - ROEDERER, I. U. - SCHATZ, H. - APRAHAMIAN, A. - ATANASOV, D. - BAUSWEIN, A. - BEERS, T. C. - BLISS, J. - BRODEUR, M. - CLARK, J. A. - FREBEL, A. - FOUCART, F. - HANSEN, C. J. - JUST, O. - KANKAINEN, A. - MCLAUGHLIN, G. C. - KELLY, J. M. - LIDDICK, S. N. - LEE, D. M. - LIPPUNER, J. - MARTIN, D. - MENDOZA-TEMIS, J. - METZGER, B. D. - MUMPOWER, M. R. - PERDIKAKIS, G. - PEREIRA, J. - O'SHEA, B. W. - REIFARTH, R. - ROGERS, A. M. - SIEGEL, D. M. - SPYROU, A. - SURMAN, R. - TANG, X. - UESAKA, T. - WANG, M. r-process nucleosynthesis: connecting rare-isotope beam facilities with the cosmos. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2019, vol. 46, no. 8, 083001., Registrované v: WOS
5. [1.1] INGERBERG, V. W. - SIEM, S. - WIEDEKING, M. - SIEJA, K. - BLEUEL, D. L. - BRITS, C. P. - BUCHER, T. D. - DINOKO, T. S. - EASTON, J. L. - GORGEN, A. - GUTTORMSEN, M. - JONES, P. - KHESWA, B. V. - KHUMALO, N. A. - LARSEN, A. C. - LAWRIE, E. A. - LAWRIE, J. J. - MAJOLA, S. N. T. - MALATJI, K. L. - MAKHATHINI, L. - MAQABUKA, B. - NEGI, D. - NONCOLELA, S. P. - PAPKA, P. - SAHIN, E. - SCHWENGNER, R. - TVETEN, G. M. - ZEISER, F. - ZIKHALI, B. R. First application of the Oslo method in inverse kinematics. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2020, vol. 56, no. 2, 68., Registrované v: WOS
6. [1.1] JOHNSON, Calvin W. - LAUNEY, Kristina D. - AUERBACH, Naftali - BACCA, Sonia - BARRETT, Bruce R. - BRUNE, Carl - CAPRIO, Mark A. - DESCOUVEMONT, Pierre - DICKHOFF, W. H. - ELSTER, Charlotte - FASANO, Patrick J. - FOSSEZ, Kevin - HERGERT, Heiko - HJORTH-JENSEN, Morten - HLOPHE, Linda - HU, Baishan - ID BETAN, Rodolfo M. - IDINI, Andrea - KOENIG, Sebastian - KRAVVARIS, Konstantinos - LEE, Dean - LEI, Jin - MERCENNE, Alexis - PEREZ, Rodrigo Navarro - NAZAREWICZ, Witold - NUNES, Filomena M. - PLOSAJCZAK, Marek - ROTUREAU, Jimmy - RUPAK, Gautam - SHIROKOV, Andrey M. - THOMPSON, Ian - VARY, James P. - VOLYA, Alexander - XU, Furong - ZEGERS, Remco G. T. - ZELEVINSKY, Vladimir - ZHANG, Xilin. White paper: from bound states to the continuum. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2020, vol. 47, no. 12, 123001., Registrované v: WOS
7. [1.1] JOVANCEVIC, N. - MITSYNA, L. V. - SUKHOVOJ, A. M. - KNEZEVIC, D. - KRMAR, M. - PETROVIC, J. - OBERSTEDT, S. - DRAGIC, A. - HAMBSCH, F.J. - CONG, V. D. Study of Nuclear Structure Parameters by Using the (n(th), 2(gamma)) Reaction. In JOURNAL OF THE KOREAN PHYSICAL SOCIETY. ISSN 0374-4884, 2019, vol. 75, no. 2, pp. 100-116., Registrované v: WOS
8. [1.1] JURADO, Beatriz - SCHMIDT, Karl-Heinz. Influence of complete energy sorting on the characteristics of the odd-even effect in fission-fragment element distributions. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2015, vol. 42, no. 5, 055101., Registrované v: WOS
9. [1.1] KARAMPAGIA, S. - ZELEVINSKY, V. Nuclear shell model and level density. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E. ISSN 0218-3013, 2020, vol. 29, no. 6, 2030005., Registrované v: WOS
10. [1.1] KIRSCH, L. E. - BERNSTEIN, L. A. RAINIER: A simulation

tool for distributions of excited nuclear states and cascade fluctuations. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, 2018, vol. 892, pp. 30-40., Registrované v: WOS

11. [1.1] LANGANKE, K. - MARTINEZ-PINEDO, G. The role of giant resonances in nuclear astrophysics: An overview. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2019, vol. 55, no. 12, 226., Registrované v: WOS

12. [1.1] NUNES, F. M. - POTEL, G. - POXON-PEARSON, T. - CIZEWSKI, J. A. Nuclear Reactions in Astrophysics: A Review of Useful Probes for Extracting Reaction Rates. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 70. ISSN 0163-8998, 2020, vol. 70, pp. 147-170., Registrované v: WOS

13. [1.1] OTA, S. - BURKE, J. T. - CASPERSON, R. J. - ESCHER, J. E. - HUGHES, R. O. - RESSLER, J. J. - SCIELZO, N. D. - THOMPSON, I. J. - AUSTIN, R. A. E. - ABROMEIT, B. - FOLEY, N. J. - MCCLESKEY, E. - MCCLESKEY, M. - PARK, H. I. - SAASTAMOINEN, A. - ROSS, T. J. Exploring the spin states of Zr-90 populated by (p, p'), (p, d), and (p, t) reactions. In CNR*15 5TH INTERNATIONAL WORKSHOP ON COMPOUND-NUCLEAR REACTIONS AND RELATED TOPICS. ISSN 2100-014X, 2016, vol. 122, 12003., Registrované v: WOS

14. [1.1] SEN'KOV, Roman - ZELEVINSKY, Vladimir. Nuclear level density: Shell-model approach. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 6, 064304., Registrované v: WOS

15. [1.1] SODERSTROM, P-A - CAPPONI, L. - IANCU, V - LATTUADA, D. - PAPPALARDO, A. - TURTURICA, G. - ACIKSOZ, E. - BALABANSKI, D. L. - CONSTANTIN, P. - GUARDO, G. L. - ILIE, M. - ILIE, S. - MATEI, C. - NICHITA, D. - PETRUSE, T. - SPATARU, A. Unfolding of sparse high-energy gamma-ray spectra from LaBr3:Ce detectors. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, 2019, vol. 14, T11007., Registrované v: WOS

16. [1.1] SPYROU, Artemis. Neutron-star mergers and new opportunities in rare isotope experimental research. In ANNALS OF PHYSICS. ISSN 0003-4916, 2020, vol. 412, 168017., Registrované v: WOS

17. [1.1] VERSTEEGEN, Maud - DENIS-PETIT, David - MEOT, Vincent - BONNET, Thomas - COMET, Maxime - GOBET, Franck - HANNACHI, Fazia - TARISIEN, Medhi - MOREL, Pascal - MARTINI, Marco - PERU, Sophie. Low-energy modification of the. strength function of the odd-even nucleus In-115. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 4, 044325., Registrované v: WOS

ADCA748 LEDIEU, J. - KRAJČÍ, Marián - HAFNER, J. - LEUNG, L. - WEARING, L.H. - MCGRATH, R. - LOGRASSO, T.A. - WU, D. - FOURNEE, V. Nucleation of Pb starfish clusters on the five-fold Al-Pd-Mn quasicrystal surface. In *Physical Review B*, 2009, vol. 79, no. 16, 165430. (2008: 3.322 - IF, Q1 - JCR, 2.923 - SJR, Q1 - SJR, Current Contents - CCC). (2009 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.79.165430>

Ohlasy:

1. [1.1] HUANG, Huaqing - LIU, Feng. Quantum Spin Hall Effect and

Spin Bott Index in a Quasicrystal Lattice. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2018, vol. 121, no. 12, 126401., Registrované v: WOS

2. [1.1] MANIRAJ, M. - LYU, L. - MOUSAVION, S. - BECKER, S. - EMMERICH, S. - JUNGKENN, D. - SCHLAGEL, D. L. - LOGRASSO, T. A. - BARMAN, S. R. - MATHIAS, S. - STADTMUELLER, B. - AESCHLIMANN, M. Aperiodically ordered nano-graphene on the quasicrystalline substrate. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2020, vol. 22, no. 9, 093056., Registrované v: WOS

ADCA749 LEE, K. - WEIS, Martin Jr. - LIN, J. - TAGUCHI, D. - MAJKOVÁ, Eva - MANAKA, T. - IWAMOTO, M. Trapping effect of metal nanoparticle mono- and multilayer in the organic field-effect transistor. In *Journal of Applied Physics*, 2011, vol. 109, no. 6, 064512. (2010: 2.079 - IF, Q2 - JCR, 1.484 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents). ISSN 0021-8979. Dostupné na: <https://doi.org/10.1063/1.3567916>

Ohlasy:

1. [1.1] DESBIEF, Simon - KYNDIAH, Adrica - GUERIN, David - GENTILI, Denis - MURGIA, Mauro - LENFANT, Stephane - ALIBART, Fabien - CRAMER, Tobias - BISCARINI, Fabio - VUILLAUME, Dominique. Low voltage and time constant organic synapse-transistor. In ORGANIC ELECTRONICS. ISSN 1566-1199, 2015, vol. 21, pp. 47-53., Registrované v: WOS
2. [1.1] LUO, Xiao - LI, Yao - LV, Wenli - ZHAO, Feiyu - SUN, Lei - PENG, Yingquan - WEN, Zhanwei - ZHONG, Junkang - ZHANG, Jianping. Position-dependent performance of copper phthalocyanine based field-effect transistors by gold nanoparticles modification. In NANOTECHNOLOGY. ISSN 0957-4484, 2015, vol. 26, no. 3, 035201., Registrované v: WOS
3. [1.1] SANG, Lingzi - PEMBERTON, Jeanne E. Penetration and Reaction Depths of Vapor Deposited Ag, Mg, Al, and Ca on Oligothiophene Thin Films. In CHEMISTRY OF MATERIALS. ISSN 0897-4756, 2019, vol. 31, no. 17, pp. 6908-6917., Registrované v: WOS
4. [1.1] WASFI, Asma - AWWAD, Falah - AYESH, Ahmad. DNA sequencing via Z-shaped graphene nano ribbon field effect transistor decorated with nanoparticles using first-principle transport simulations. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2020, vol. 22, no. 6, 063004., Registrované v: WOS

ADCA750 LEE, K.S. - KIM, M.S. - LEE, S.D. - BUŽEK, Vladimír. Squeezing properties of multicomponent superposition states of light. In *Journal of the Korean Physical Society*, 1993, vol. 26, no. 3, p. 197-204. ISSN 0374-4884.

Ohlasy:

1. [1.1] JEONG, Hyunseok - KANG, Minsu - KWON, Hyukjoon. Characterizations and quantifications of macroscopic quantumness and its implementations using optical fields. In OPTICS COMMUNICATIONS. ISSN 0030-4018, 2015, vol. 337, no., pp. 12., Registrované v: WOS

ADCA751 LEFAIX, H. - PRIMA, F. - ZANNA, S. - VERMAUT, P. - DUBOT, P. - MARCUS, P. - JANIČKOVIČ, Dušan - ŠVEC, Peter. Surface properties of a nano-quasicrystalline forming Ti based system. In *Materials Transactions*, 2007,

vol. 48, no. 3, p. 278-286. (2006: 0.927 - IF, Q1 - JCR, 0.885 - SJR, Q1 - SJR).
ISSN 1345-9678. Dostupné na: <https://doi.org/10.2320/matertrans.48.278>

Ohlasy:

1. [1.1] RUSINEK, D. - CZUB, J. - NIEWOLSKI, J. - GONDEK, L. - GAJEWSKA, M. - TAKASAKI, A. - HOSER, A. - ZYWCZAK, A. Structural phase transitions in the Ti₄₅Zr₃₈Ni_{17-x}Fe_x nano-alloys and their deuterides. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2015, vol. 646, pp. 90-95., Registrované v: WOS
2. [1.1] ZHANG, Li - GUO, Junhong - XING, Yongming. Nonlocal analytical solution of functionally graded multilayered one-dimensional hexagonal piezoelectric quasicrystal nanoplates. In ACTA MECHANICA. ISSN 0001-5970, 2019, vol. 230, no. 5, pp. 1781-1810., Registrované v: WOS

ADCA752 LEO, G. - CHUSHKIN, Jurij - LUBY, Štefan - MAJKOVÁ, Eva - KOSTIČ, Ivan - ULMEANU, M. - LUCHES, A. - GIERSIG, Michael - HILGENDORFF, M. Ordering of free-standing Co nanoparticles. In *Materials Science and Engineering C - Biomimetic and Supramolecular Systems*, 2003, vol. 23, no. 6-8, p. 949-952. ISSN 0928-4931. Dostupné na: <https://doi.org/10.1016/j.msec.2003.09.099>

Ohlasy:

1. [1.1] CHEN JIE - LIU RUTIE - XIONG XIANG. Effect of the porogen content and the sintering temperature on the aperture of porous copper materials. In MATERIALS RESEARCH EXPRESS. ISSN 2053-1591, 2019, vol. 6, no. 8, 086533., Registrované v: WOS
2. [1.1] SARILMAZ, Adem - OZEL, Faruk - ALJABOUR, Abdalaziz - KHASKHELI, Abdul Rauf - KUS, Mahmut. Effect of doping on thin film solar cell efficiency based on ZnMn₂O₄ nanocrystals. In MATERIALS TODAY-PROCEEDINGS. ISSN 2214-7853, 2019, vol. 18, SI, part 5, pp. 1861-1867., Registrované v: WOS
3. [1.1] TAN, Li - LIU, Bing - GLEBE, Ulrich - BOEKER, Alexander. Magnetic Field-Induced Assembly of Superparamagnetic Cobalt Nanoparticles on Substrates and at Liquid-Air Interface. In LANGMUIR. ISSN 0743-7463, 2018, vol. 34, no. 46, pp. 13993-14002., Registrované v: WOS

ADCA753 LI, Bo* - WANG, Mengru* - SUBAIR, Riyas* - CAO, Guozhong* - TIAN, Jianjun. Significant Stability Enhancement of Perovskite Solar Cells by Facile Adhesive Encapsulation. In *Journal of Physical Chemistry C*, 2018, vol. 122, no. 44, p. 25260-25267. (2017: 4.484 - IF, Q1 - JCR, 2.135 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 1932-7447. Dostupné na: <https://doi.org/10.1021/acs.jpcc.8b09595>

Ohlasy:

1. [1.1] CORSINI, Francesca - GRIFFINI, Gianmarco. Recent progress in encapsulation strategies to enhance the stability of organometal halide perovskite solar cells. In JOURNAL OF PHYSICS-ENERGY. ISSN 2515-7655, 2020, vol. 2, no. 3, 031002., Registrované v: WOS
2. [1.1] HASAN, Md Mehedi - CLEGG, Charlotte - MANNING, Max - EL GHANAM, Ahmed - SU, Chen - HARDING, Matthew D. - BENNETT, Craig - HIL, Ian G. - KOLEILAT, Ghada I. Stable Efficient Methylammonium Lead Iodide Thin Film Photodetectors with Highly Oriented Millimeter-Sized Crystal Grains. In ACS PHOTONICS. ISSN 2330-4022, 2020, vol. 7, no. 1, pp. 57-67., Registrované v: WOS

3. [1.1] KAKEKHANI, Arvin - KATTI, Radhika N. - RAPPE, Andrew M. Water in hybrid perovskites: Bulk MAPbI₃ degradation via super-hydrous state. In *APL MATERIALS*. ISSN 2166-532X, 2019, vol. 7, no. 4, 041112., Registrované v: WOS
4. [1.1] KHENKIN, Mark V. - KATZ, Eugene A. - ABATE, Antonio - et al. Consensus statement for stability assessment and reporting for perovskite photovoltaics based on ISOS procedures. In *NATURE ENERGY*, 2020, vol. 5, no. 1, pp. 35-49., Registrované v: WOS

ADCA754 LI, Yan Jun - BRNDIAR, Ján - NAITOH, Y. - SUGAWARA, Y. - ŠTICH, Ivan. Atomic force microscopy identification of Al-sites on ultrathin aluminum oxide film on NiAl(110). In *Nanotechnology*, 2015, vol. 26, no. 50, 505704. (2014: 3.821 - IF, Q1 - JCR, 1.497 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents). ISSN 0957-4484. Dostupné na: <https://doi.org/10.1088/0957-4484/26/50/505704>

Ohlasy:

1. [1.1] DAI, Zongbei - ALYABYEVA, Natalia - VAN DEN BOSSCHE, Maxime - BORGHETTI, Patrizia - CHENOT, Stephane - DAVID, Pascal - KOLTISOV, Alexey - RENAUD, Gilles - JUPILLE, Jacques - CABAILH, Gregory - NOGUERA, Claudine - GONIAKOWSKI, Jacek - LAZZARI, Remi. Oxide at the Al-rich Fe_{0.85}Al_{0.15}(110) surface. In *PHYSICAL REVIEW MATERIALS*. ISSN 2475-9953, 2020, vol. 4, no. 7, 074409., Registrované v: WOS
2. [1.1] KRUKOWSKI, Pawel - CHAUNCHAIYAKUL, Songpol - MINAGAWA, Yuto - YAJIMA, Nami - AKAI-KASAYA, Megumi - SAITO, Akira - KUWAHARA, Yuji. Anomalous hexagonal superstructure of aluminum oxide layer grown on NiAl(110) surface. In *NANOTECHNOLOGY*. ISSN 0957-4484, 2016, vol. 27, no. 45, 455708., Registrované v: WOS
3. [1.1] XING, Yage - LI, Xuanlin - GUO, Xunlian - LI, Wenxiu - CHEN, Jianwen - LIU, Qian - XU, Qinglian - WANG, Qin - YANG, Hua - SHUI, Yuru - BI, Xiufang. Effects of Different TiO₂ Nanoparticles Concentrations on the Physical and Antibacterial Activities of Chitosan-Based Coating Film. In *NANOMATERIALS*, 2020, vol. 10, no. 7, 1365., Registrované v: WOS
4. [1.1] XING, Yage - XU, Qinglian - YANG, Simon X. - CHEN, Cunkun - TANG, Yong - SUN, Shumin - ZHANG, Liang - CHE, Zhenming - LI, Xihong. Preservation Mechanism of Chitosan-Based Coating with Cinnamon Oil for Fruits Storage Based on Sensor Data. In *SENSORS*. ISSN 1424-8220, 2016, vol. 16, no. 7, 1111., Registrované v: WOS

ADCA755 LIANG, X.B. - KULIK, T. - KOWALCZYK, M. - VLASÁK, Gabriel - SUN, W.S. - XU, B.S. Influence of structure on coercivity in nanocrystalline (Fe_{1-x}Cox)₈₆Hf₇B₆Cu₁ alloys. In *Physica B*, 2005, vol. 370, no. 1-4, p. 151-157. ISSN 0921-4526. Dostupné na: <https://doi.org/10.1016/j.physb.2005.09.005>

Ohlasy:

1. [1.1] HU, Feng - YUAN, Chenchen - LUO, Qiang - YANG, Weiming - SHEN, Baolong. Effects of Ho addition on thermal stability, thermoplastic deformation and magnetic properties of FeHoNbB bulk metallic glasses. In *JOURNAL OF ALLOYS AND COMPOUNDS*. ISSN 0925-8388, 2019, vol. 807, UNSP 151675., Registrované v: WOS

2. [1.1] JIN, Ying - CHAO, Yuesheng - LIU, Fan - WANG, Jingang - SUN, Mengtao. Nanocrystallization and magnetostriction coefficient of Fe₅₂Co₃₄Hf₇B₆Cu₁ amorphous alloy treated by medium-frequency magnetic pulse. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2018, vol. 468, pp. 181-184., Registrované v: WOS
3. [1.1] KWON, Seoyeon - KIM, Sumin - YIM, Haein - KANG, Ki Hoon - YOON, Chong Seung. High saturation magnetic flux density of Novel nanocrystalline core annealed under magnetic field. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2020, vol. 826, 154136., Registrované v: WOS
4. [1.1] ROY, Rajat K. - MURUGAIYAN, Premkumar - PANDA, Ashis K. - MITRA, Amitava. Compositional optimization of high induction (> 1.7T) FeCo-based nanocomposite alloys with enhancement of thermo-physical and magnetic properties. In PHYSICA B-CONDENSED MATTER. ISSN 0921-4526, 2019, vol. 566, pp. 71-76., Registrované v: WOS

ADCA756 LIBERATI, V. - ANDREYEV, A.N. - ANTALIC, S. - BARZAKH, A. - COCOLIOS, T.E. - ELSEVIERS, J. - FEDOROV, D. - FEDOSEEV, V.N. - HUYSE, M. - JOSS, D.T. - KALANINOVA, Z. - KOESTER, U. - LANE, J.F.W. - MARSH, B. - MENGONI, D. - MOLKANOV, P. - NISHIO, K. - PAGE, R.D. - PATRONIS, N. - PAUWELS, D. - RADULOV, D. - SELIVERSTOV, M. - SJOEDIN, M. - TSEKHANOVICH, I. - VAN DEN BERGH, P. - VAN DUPPEN, P. - VENHART, Martin - VESELSKÝ, Martin. beta-delayed fission and alpha decay of Tl-178. In *Physical Review C*, 2013, vol. 88, no. 4, 044322. (2012: 3.715 - IF, 2.769 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.88.044322>

Ohlasy:

1. [1.1] GUPTA, Shilpi - SCHMITT, C. - MAHATA, K. - SHRIVASTAVA, A. - SUGATHAN, P. - JHINGAN, A. - GOLDA, K. S. - SANEESH, N. - KUMAR, M. - KAUR, G. - STUTTGE, L. - ARORA, D. - ARORA, H. - CHATTERJEE, A. - CHAUHAN, K. - DUGGI, S. K. - KAUR, D. P. - MISHRA, V - PATIL, Prashant N. - RANI, K. Asymmetric fission around lead: The case of Po-198. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 6, 064608., Registrované v: WOS
2. [1.1] KAJINO, T. - AOKI, W. - BALANTEKIN, A. B. - DIEHL, R. - FAMIANO, M. A. - MATHEWS, G. J. Current status of r-process nucleosynthesis. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2019, vol. 107, pp. 109-166., Registrované v: WOS
3. [1.1] MOELLER, Peter - RANDRUP, Jorgen. Calculated fission-fragment yield systematics in the region $74 \leq Z \leq 94$ and $90 \leq N \leq 150$. In PHYSICAL REVIEW C. ISSN 2469-9985, 2015, vol. 91, no. 4, 044316., Registrované v: WOS
4. [1.1] MUMPOWER, M. R. - KAWANO, T. - SPROUSE, T. M. - VASSH, N. - HOLMBECK, E. M. - SURMAN, R. - MOLLER, P. beta-delayed Fission in r-process Nucleosynthesis. In ASTROPHYSICAL JOURNAL. ISSN 0004-637X, 2018, vol. 869, no. 1, 14., Registrované v: WOS
5. [1.1] PRASAD, E. - HINDE, D. J. - RAMACHANDRAN, K. - WILLIAMS, E. - DASGUPTA, M. - CARTER, I. P. - COOK, K. J. - JEUNG, D. Y. - LUONG, D. H. - MCNEIL, S. - PALSHETKAR, C. S. - RAFFERTY, D. C.

- SIMENEL, C. - WAKHLE, A. - KHUYAGBAATAR, J. - DUELLMANN, Ch. E. - LOMMEL, B. - KINDLER, B. Observation of mass-asymmetric fission of mercury nuclei in heavy ion fusion. In *PHYSICAL REVIEW C*. ISSN 0556-2813, 2015, vol. 91, no. 6, 064605., Registrované v: WOS
 6. [1.1] SCHMIDT, Karl-Heinz - JURADO, Beatriz. Review on the progress in nuclear fission-experimental methods and theoretical descriptions. In *REPORTS ON PROGRESS IN PHYSICS*. ISSN 0034-4885, 2018, vol. 81, no. 10, 106301., Registrované v: WOS

ADCA757 LIN, J. - WEIS, Martin Jr. - TAGUCHI, D. - IWAMOTO, M. Carrier Propagation Dependence on Applied Potentials in Pentacene Organic Field Effect Transistors Investigated by Impedance Spectroscopy and Electrical Time-of-Flight Techniques. In *Japanese Journal of Applied Physics*, 2011, vol. 50, no. 4, o4DK01. (2010: 1.024 - IF, Q3 - JCR, 0.560 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents). ISSN 0021-4922. Dostupné na: <https://doi.org/10.1143/JJAP.50.04DK01>

Ohlasy:

1. [1.1] SAKAI, Masatoshi - LIAO, Weisong - OKADA, Yugo - KUDO, Kazuhiro. Carrier-injection and succeeding pre-channel formation in organic thin-film transistor observed with time-domain reflectometry. In *JOURNAL OF APPLIED PHYSICS*. ISSN 0021-8979, 2020, vol. 128, no. 8, 085502., Registrované v: WOS

ADCA758 LIPTÁK, Ľudovít - OLEJNÍK, Štefan. Casimir scaling in G(2) lattice gauge theory. In *Physical Review D*, 2008, vol. 78, no. 7, 074501. (2007: 4.696 - IF, Q1 - JCR, 2.593 - SJR, Q1 - SJR, Current Contents - CCC). (2008 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.78.074501>

Ohlasy:

1. [1.1] BONATI, Claudio. Topology and theta dependence in finite temperature G(2) lattice gauge theory. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2015, no. 3, 006., Registrované v: WOS
 2. [1.1] BRUNO, Mattia - CASELLE, Michele - PANERO, Marco - PELLEGRINI, Roberto. Exceptional thermodynamics: the equation of state of G(2) gauge theory. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2015, no. 3, 057., Registrované v: WOS
 3. [1.1] DEGHAN, Z. - DELDAR, S. Cho decomposition, Abelian gauge fixing, and monopoles in G(2) Yang-Mills theory. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2019, vol. 99, no. 11, 116024., Registrované v: WOS
 4. [1.1] HAJIZADEH, Ouraman - MAAS, Axel. Constructing a neutron star from the lattice in G(2)-QCD. In *EUROPEAN PHYSICAL JOURNAL A*. ISSN 1434-6001, 2017, vol. 53, no. 10, 207., Registrované v: WOS
 5. [1.1] NEJAD, Seyed Mohsen Hosseini - DELDAR, Sedigheh. Contributions of the center vortices and vacuum domain in potentials between static sources. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2015, no. 3, 016., Registrované v: WOS
 6. [1.1] NEJAD, Seyed Mohsen Hosseini. Domain structures and quark potentials in SU(3) gauge theory. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2019, vol. 100, no. 11, 114504., Registrované v: WOS

7. [1.1] RAFIBAKHSH, Shahnoosh - SHAHLAEI, Amir. Confinement in F-4 Exceptional Gauge Group Using Domain Structures. In XIITH QUARK CONFINEMENT AND THE HADRON SPECTRUM. ISSN 2100-014X, 2017, vol. 137, UNSP 13013., Registrované v: WOS
8. [1.1] SHAHLAEI, Amir - RAFIBAKHSH, Shahnoosh. F-4, E-6 and G(2) exceptional gauge groups in the vacuum domain structure model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 5, 056015., Registrované v: WOS
9. [1.1] SIMONOV, Yu A. Field correlator method for the confinement in QCD. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 99, no. 5, 056012., Registrované v: WOS
10. [1.1] VLASII, N. D. - VON RUTTE, F. - WIESE, U.J. Graphical tensor product reduction scheme for the Lie algebras $so(5) = sp(2)$, $su(3)$, and $g(2)$. In ANNALS OF PHYSICS. ISSN 0003-4916, 2016, vol. 371, pp. 199-227., Registrované v: WOS

ADCA759 LIU, H.L. - MA, Y.G.** - BONASERA, A. - DENG, X.G. - LOPEZ, O. - VESELSKY, Martin. Mean free path and shear viscosity in central Xe-129+Sn-119 collisions below 100 MeV/nucleon. In *Physical Review C*, 2017, vol. 96, no. 6, 064604. (2016: 3.820 - IF, Q1 - JCR, 1.936 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.96.064604>

Ohlasy:

1. [1.1] BESSE, G. - DE LA MOTA, V - BONNET, E. - EUDES, P. - NAPOLITANI, P. - BASRAK, Z. Reexamining an extended-mean-field approach in heavy-ion collisions near the Fermi energy. In PHYSICAL REVIEW C. ISSN 0556-2813, 2020, vol. 101, no. 5, 054608., Registrované v: WOS
2. [1.1] LIU, H. L. - MA, Y. G. - FANG, D. Q. Finite-size scaling phenomenon of nuclear liquid-gas phase transition probes. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 5, 054614., Registrované v: WOS
3. [1.1] SUN, Bao-Xi. The collective excitation of nuclear matter in a bosonized Landau Fermi liquid model. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2020, vol. 1004, 122030., Registrované v: WOS
4. [1.2] LI, Peng Cheng - WANG, Yong Jia - LI, Qing Feng - ZHANG, Hong Fei. Collective flow and nuclear stopping in heavy ion collisions in Fermi energy domain. In Nuclear Science and Techniques. ISSN 10018042, 2018, vol. 29, no. 12, 177., Registrované v: SCOPUS
5. [1.2] LI, Pengcheng - WANG, Yongjia - LI, Qingfeng - GUO, Chenchen - ZHANG, Hongfei. Effects of the in-medium nucleon-nucleon cross section on collective flow and nuclear stopping in heavy-ion collisions in the Fermi-energy domain. In Physical Review C. ISSN 24699985, 2018, vol. 97, no. 4, 044620., Registrované v: SCOPUS

ADCA760 LIU, Y. - PALOTÁS, Krisztián - YUAN, X. - HOU, T. - LIN, H.** - LI, Y.** - LEE, S.-T. Atomistic origins of surface defects in CH₃NH₃PbBr₃ Perovskite and their electronic structures. In *ACS Nano*, 2017, vol. 11, no. 2, p. 2060-2065. (2016: 13.942 - IF, Q1 - JCR, 6.948 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 1936-0851. Dostupné na: <https://doi.org/10.1021/acsnano.6b08260>

Ohlasy:

1. [1.1] AZAM, Muhammad - YUE, Shizhong - XU, Rui - YANG, Shuaijian - LIU, Kong - HUANG, Yanbin - SUN, Yang - HASSAN, Ali - REN, Kuankuan - TAN, Furui - WANG, Zhijie - LEI, Yong - QU, Shengchun - WANG, Zhanguo. Realization of Moisture-Resistive Perovskite Films for Highly Efficient Solar Cells Using Molecule Incorporation. In ACS APPLIED MATERIALS & INTERFACES. ISSN 1944-8244, 2020, vol. 12, no. 35, pp. 39063-39073., Registrované v: WOS
2. [1.1] DING, Jianxu - DU, Songjie - ZHOU, Tianliang - YUAN, Ye - CHENG, Xiaohua - JING, Lin - YAO, Qing - ZHANG, Jie - HE, Qingkun - CUI, Hongzhi - ZHAN, Xiaoyuan - SUN, Haiqing. Cesium Decreases Defect Density and Enhances Optoelectronic Properties of Mixed MA(1-x)Cs(x)PbBr(3) Single Crystal. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2019, vol. 123, no. 24, pp. 14969-14975., Registrované v: WOS
3. [1.1] DONG, Yuanyuan - LI, Kailin - LUO, Wenjia - ZHU, Cheng - GUAN, Haoliang - WANG, Hao - WANG, Lanning - DENG, Kailin - ZHOU, Huanping - XIE, Haipeng - BAI, Yang - LI, Yujing - CHEN, Qi. The Role of Surface Termination in Halide Perovskites for Efficient Photocatalytic Synthesis. In ANGEWANDTE CHEMIE-INTERNATIONAL EDITION. ISSN 1433-7851, 2020, vol. 59, no. 31, pp. 12931-12937., Registrované v: WOS
4. [1.1] DUIM, Herman - FANG, Hong-Hua - ADJOKATSE, Sampson - TEN BRINK, Gert H. - MARQUES, Miguel A. L. - KOOL, Bart J. - BLAKE, Graeme R. - BOTTI, Silvana - LOI, Maria A. Mechanism of surface passivation of methylammonium lead tribromide single crystals by benzylamine. In APPLIED PHYSICS REVIEWS. ISSN 1931-9401, 2019, vol. 6, no. 3, 031401., Registrované v: WOS
5. [1.1] FENG, Guanqun - GUO, Xiaochen - LI, Faming - LIAO, Yutong - HOU, Yuting - LIU, Mingzhen. A practical method for fabricating perovskite solar cells with remarkable water resistance via additive engineering. In MOLECULAR SYSTEMS DESIGN & ENGINEERING. ISSN 2058-9689, 2018, vol. 3, no. 5, pp. 729-733., Registrované v: WOS
6. [1.1] GENG, Wei - TONG, Chuan-Jia - ZHANG, Yanning - LIU, Li-Min. Theoretical Progress on the Relationship between the Structures and Properties of Perovskite Solar Cells. In ADVANCED THEORY AND SIMULATIONS, 2020, vol. 3, no. 9, 2000022., Registrované v: WOS
7. [1.1] HE, Wen - SHI, Jia - ZHAO, Hongkang - WANG, Hui - LIU, Xinfeng - SHI, Xinghua. Bandgap engineering of few-layered MoS₂ with low concentrations of S vacancies. In RSC ADVANCES, 2020, vol. 10, no. 27, pp. 15702-15706., Registrované v: WOS
8. [1.1] HE, Yanjie - YOON, Young Jun - HARN, Yeu Wei - BIESOLD-MCGEE, Gill V. - LIANG, Shuang - LIN, Chun Hao - TSUKRUK, Vladimir V. - THADHANI, Naresh - KANG, Zhitao - LIN, Zhiquan. Unconventional route to dual-shelled organolead halide perovskite nanocrystals with controlled dimensions, surface chemistry, and stabilities. In SCIENCE ADVANCES. ISSN 2375-2548, 2019, vol. 5, no. 11, eaax4424., Registrované v: WOS
9. [1.1] HIEULLE, Jeremy - STECKER, Collin - OHMANN, Robin - ONO, Luis K. - QI, Yabing. Scanning Probe Microscopy Applied to Organic-Inorganic Halide Perovskite Materials and Solar Cells. In SMALL METHODS. ISSN 2366-9608, 2018, vol. 2, no. 1, UNSP 1700295., Registrované

v: WOS

10. [1.1] HUANG, Jianbing - TAN, Shunquan - LUND, Peter D. - ZHOU, Huanping. Impact of H₂O on organic-inorganic hybrid perovskite solar cells. In ENERGY & ENVIRONMENTAL SCIENCE. ISSN 1754-5692, 2017, vol. 10, no. 11, pp. 2284-2311., Registrované v: WOS
11. [1.1] HUANG, Ke - LIU, Jinxin - CHANG, Xuejiao - FU, Lei. Integrating Properties Modification in the Synthesis of Metal Halide Perovskites. In ADVANCED MATERIALS TECHNOLOGIES. ISSN 2365-709X, 2019, vol. 4, no. 2, 1800321., Registrované v: WOS
12. [1.1] CHEN, Jiangzhao - PARK, Nam-Gyu. Materials and Methods for Interface Engineering toward Stable and Efficient Perovskite Solar Cells. In ACS ENERGY LETTERS. ISSN 2380-8195, 2020, vol. 5, no. 8, pp. 2742-2786., Registrované v: WOS
13. [1.1] CHE, Xiaoyang - TRAORE, Boubacar - KATAN, Claudine - FANG, Hong-Hua - LOI, Maria Antonietta - EVEN, Jacky - KEPENEKIAN, Mikael. Charge Trap Formation and Passivation in Methylammonium Lead Tribromide. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2019, vol. 123, no. 22, pp. 13812-13817., Registrované v: WOS
14. [1.1] CHI, Lifeng - LEE, Shuit-Tong. Research on Functional Nanomaterials, Interfaces, and Applications at Soochow University. In ACS NANO. ISSN 1936-0851, 2019, vol. 13, no. 3, pp. 2667-2671., Registrované v: WOS
15. [1.1] CHU, Weibin - SAIDI, Wissam A. - ZHAO, Jin - PREZHDO, Oleg. Soft Lattice and Defect Covalency Rationalize Tolerance of beta-CsPbI₃ Perovskite Solar Cells to Native Defects. In ANGEWANDTE CHEMIE-INTERNATIONAL EDITION. ISSN 1433-7851, 2020, vol. 59, no. 16, pp. 6435-6441., Registrované v: WOS
16. [1.1] JANG, Hyun Myung - KIM, Joo-Sung - HEO, Jung-Min - LEE, Tae-Woo. Enhancing photoluminescence quantum efficiency of metal halide perovskites by examining luminescence-limiting factors. In APL MATERIALS. ISSN 2166-532X, 2020, vol. 8, no. 2, 020904., Registrované v: WOS
17. [1.1] JIANG, Tongtong - YIN, Naiqiang - BAI, Zhiman - DAI, Peng - YU, Xinxin - WU, Mingzai - LI, Guang. Wet chemical synthesis of S doped Co₃O₄ nanosheets/reduced graphene oxide and their application in dye sensitized solar cells. In APPLIED SURFACE SCIENCE. ISSN 0169-4332, 2018, vol. 450, pp. 219-227., Registrované v: WOS
18. [1.1] JIANG, Wei - DI, Haipeng - SUN, Hao - ZHAO, Chen - LIAO, Feiyi - ZHAO, Yiyi. Role of DMSO concentration in the crystallization process of MAPbBr₃ perovskite single crystal films. In JOURNAL OF CRYSTAL GROWTH. ISSN 0022-0248, 2020, vol. 550, 125880., Registrované v: WOS
19. [1.1] KAKEKHANI, Arvin - KATTI, Radhika N. - RAPPE, Andrew M. Water in hybrid perovskites: Bulk MAPbI₃ degradation via super-hydrous state. In APL MATERIALS. ISSN 2166-532X, 2019, vol. 7, no. 4, 041112., Registrované v: WOS
20. [1.1] LASKAR, Ashiqur Rahman - LUO, Wenqin - GHIMIRE, Nabin - CHOWDHURY, Ashraful Haider - BAHRAMI, Behzad - GURUNG, Ashim - REZA, Khan Mamun - PATHAK, Rajesh - BOBBA, Raja Sekhar - LAMSAL, Buddhi Sagar - CHEN, Ke - RAHMAN, Tawabur - RAHMAN, Sheikh Ifatur - EMSHADI, Khalid - XU, Tingting - LIANG, Mao - ZHANG, Wen-Hua - QIAO,

Qiquan. Phenylhydrazinium Iodide for Surface Passivation and Defects Suppression in Perovskite Solar Cells. In ADVANCED FUNCTIONAL MATERIALS. ISSN 1616-301X, 2020, vol. 30, no. 22, 2000778., Registrované v: WOS

21. [1.1] LEFLER, Benjamin M. - MAY, Steven J. - FAFARMAN, Aaron T. Role of fluoride and fluorocarbons in enhanced stability and performance of halide perovskites for photovoltaics. In PHYSICAL REVIEW MATERIALS. ISSN 2475-9953, 2020, vol. 4, no. 12, 120301., Registrované v: WOS

22. [1.1] LIN, Haiping - WANG, Zhijun - WANG, Haochen - GAO, Jianzhi - DING, Haoxuan - XU, Yong - LI, Qing - GUO, Qing - MA, Zhibo - YANG, Xueming - PAN, Minghu. In Situ Observation of Stepwise C-H Bond Scission: Deciphering the Catalytic Selectivity of Ethylbenzene-to-Styrene Conversion on TiO₂. In JOURNAL OF PHYSICAL CHEMISTRY LETTERS. ISSN 1948-7185, 2020, vol. 11, no. 22, pp. 9850-9855., Registrované v: WOS

23. [1.1] LIU, Li - XU, Ke - VICKERS, Evan Thomas - ALLEN, A'Lester - LI, Xueming - PENG, Lijun - ZHANG, Jin Zhong. Varying the Concentration of Organic Acid and Amine Ligands Allows Tuning between Quantum Dots and Magic-Sized Clusters of CH₃NH₃PbBr₃ Perovskite: Implications for Photonics and Energy Conversion. In ACS APPLIED NANO MATERIALS. ISSN 2574-0970, 2020, vol. 3, no. 12, pp. 12379-12387., Registrované v: WOS

24. [1.1] LI, Hua - WU, Guohua - LI, Wanyi - ZHANG, Yaohong - LIU, Zhike - WANG, Dapeng - LIU, Shengzhong (Frank). Additive Engineering to Grow Micron-Sized Grains for Stable High Efficiency Perovskite Solar Cells. In ADVANCED SCIENCE, 2019, vol. 6, no. 18, 1901241., Registrované v: WOS

25. [1.1] LONG, Lixia - CAO, Dan - FEI, Jiapeng - WANG, Jianfeng - ZHOU, Yun - JIANG, Zhouting - JIAO, Zhiwei - SHU, Haibo. Effect of surface intrinsic defects on the structural stability and electronic properties of the all-inorganic halide perovskite CsPbI₃(001) film. In CHEMICAL PHYSICS LETTERS. ISSN 0009-2614, 2019, vol. 734, UNSP 136719., Registrované v: WOS

26. [1.1] ONO, Luis K. - LIU, Shengzhong (Frank) - QI, Yabing. Reducing Detrimental Defects for High-Performance Metal Halide Perovskite Solar Cells. In ANGEWANDTE CHEMIE-INTERNATIONAL EDITION. ISSN 1433-7851, 2020, vol. 59, no. 17, pp. 6676-6698., Registrované v: WOS

27. [1.1] PALEI, Milan - MOTAPOTHULA, M. - RAY, Aniruddha - ABDELHADY, Ahmed L. - LANZANO, Luca - PRATO, Mirko - PANDA, Jaya K. - SCARPELLINI, Alice - PELLEGRINI, Vittorio - PRIMETZHOFFER, Daniel - PETRALANDA, Urko - MANNA, Liberato - DANG, Zhiya.

Photoluminescence enhancement and high accuracy patterning of lead halide perovskite single crystals by MeV ion beam irradiation. In JOURNAL OF MATERIALS CHEMISTRY C. ISSN 2050-7526, 2020, vol. 8, no. 29, pp. 9923-9930., Registrované v: WOS

28. [1.1] PARK, Min-Ho - KIM, Joo Sung - HEO, Jung-Min - AHN, Soyeong - JEONG, Su-Hun - LEE, Tae-Woo. Boosting Efficiency in Polycrystalline Metal Halide Perovskite Light-Emitting Diodes. In ACS ENERGY LETTERS. ISSN 2380-8195, 2019, vol. 4, no. 5, pp. 1134-1149., Registrované v: WOS

29. [1.1] PENG, Chao - CHEN, Jianfu - WANG, Haifeng - HU, P.

- First-Principles Insight into the Degradation Mechanism of $\text{CH}_3\text{NH}_3\text{PbI}_3$ Perovskite: Light-Induced Defect Formation and Water Dissociation. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2018, vol. 122, no. 48, pp. 27340-27349., Registrované v: WOS
30. [1.1] PENG, Shaomin - WANG, Sisi - ZHAO, Dandan - LI, Xiaojun - LIANG, Chao - XIA, Junmin - ZHANG, Tianqi - XING, Guichuan - TANG, Zikang. Pure Bromide-Based Perovskite Nanoplatelets for Blue Light-Emitting Diodes. In SMALL METHODS. ISSN 2366-9608, 2019, vol. 3, no. 10, 1900196., Registrované v: WOS
31. [1.1] QIU, Longbin - HE, Sisi - ONO, Luis K. - QI, Yabing. Progress of Surface Science Studies on ABX_3 -Based Metal Halide Perovskite Solar Cells. In ADVANCED ENERGY MATERIALS. ISSN 1614-6832, 2020, vol. 10, no. 13, 1902726., Registrované v: WOS
32. [1.1] SAIDAMINOV, Makhsud I. - KIM, Junghwan - JAIN, Ankit - QUINTERO-BERMUDEZ, Rafael - TAN, Hairen - LONG, Guankui - TAN, Furui - JOHNSTON, Andrew - ZHAO, Yicheng - VOZNYY, Oleksandr - SARGENT, Edward H. Suppression of atomic vacancies via incorporation of isovalent small ions to increase the stability of halide perovskite solar cells in ambient air. In NATURE ENERGY. ISSN 2058-7546, 2018, vol. 3, no. 8, pp. 648-+, Registrované v: WOS
33. [1.1] SEO, Gabseok - LEE, Dongwook - HEO, Sung - SEOL, Minsu - LEE, Yonghui - KIM, Kihong - KIM, Seong Heon - LEE, Jooho - LEE, Dongho - LEE, Jaehan - KWAK, Dong Wook - LEE, Dongwha - CHO, Hoon Young - PARK, Jucheol - AHN, Tae Kyu - NAZEERUDDIN, Mohammad Khaja. Microscopic Analysis of Inherent Void Passivation in Perovskite Solar Cells. In ACS ENERGY LETTERS. ISSN 2380-8195, 2017, vol. 2, no. 7, pp. 1705-1710., Registrované v: WOS
34. [1.1] SHEN, Kongchao - HU, Jinping - LIANG, Zhaofeng - HU, Jinbang - SUN, Haoliang - JIANG, Zheng - SONG, Fei. Emerging Characterizing Techniques in the Fine Structure Observation of Metal Halide Perovskite Crystal. In CRYSTALS. ISSN 2073-4352, 2018, vol. 8, no. 6, 232., Registrované v: WOS
35. [1.1] SHIN, HyeonOh - KIM, Byung-Man - JANG, Taehyung - KIM, Kwang Min - ROH, Deok-Ho - NAM, Jung Seung - KIM, Jeong Soo - KIM, Un-Young - LEE, Byunghong - PANG, Yoonsoo - KWON, Tae-Hyuk. Surface State-Mediated Charge Transfer of Cs_2SnI_6 and Its Application in Dye-Sensitized Solar Cells. In ADVANCED ENERGY MATERIALS. ISSN 1614-6832, 2019, vol. 9, no. 3, 1803243., Registrované v: WOS
36. [1.1] STECKER, Collin - LIU, Kexi - HIEULLE, Jeremy - OHMANN, Robin - LIU, Zhenyu - ONO, Luis K. - WANG, Guofeng - QI, Yabing. Surface Defect Dynamics in Organic-Inorganic Hybrid Perovskites: From Mechanism to Interfacial Properties. In ACS NANO. ISSN 1936-0851, 2019, vol. 13, no. 10, pp. 12127-12136., Registrované v: WOS
37. [1.1] SUN, Lin - XU, Ling - XIONG, Yan - WU, Ping - XIE, Guo - HU, Bin. Enhanced Seebeck Effect of a MAPbBr_3 Single Crystal by an Organic and a Metal Modified Layer. In ADVANCED ELECTRONIC MATERIALS. ISSN 2199-160X, 2019, vol. 5, no. 11, 1800759., Registrované v: WOS
38. [1.1] TAN, Furui - SAIDAMINOV, Makhsud I. - TAN, Hairen - FAN, James Z. - WANG, Yuhang - YUE, Shizhong - WANG, Xiaotian - SHEN, Zhitao - LI, Shengjun - KIM, Junhwan - GAO, Yueyue - YUE, Gentian - LIU,

- Rong - HUANG, Ziru - DONG, Chen - HU, Xiaodong - ZHANG, Weifeng - WANG, Zhijie - QU, Shengchun - WANG, Zhanguo - SARGENT, Edward H. Dual Coordination of Ti and Pb Using Bilinkable Ligands Improves Perovskite Solar Cell Performance and Stability. In ADVANCED FUNCTIONAL MATERIALS. ISSN 1616-301X, 2020, vol. 30, no. 45, 2005155., Registrované v: WOS
39. [1.1] TU, Shuhua - YIN, Quanyi - SHANG, Bin - CHEN, Min - WU, Limin. Stable Perovskite Quantum Dots Coated with Superhydrophobic Organosilica Shells for White Light-Emitting Diodes. In CHEMISTRY-AN ASIAN JOURNAL. ISSN 1861-4728, 2019, vol. 14, no. 21, pp. 3830-3834., Registrované v: WOS
40. [1.1] WEI, Dong - MA, Fusheng - WANG, Rui - DOU, Shangyi - CUI, Peng - HUANG, Hao - JI, Jun - JIA, Endong - JIA, Xiaojie - SAJID, Sajid - EISEMAN, Ahmed Mourtada - CHU, Lihua - LI, Yingfeng - JIANG, Bing - QIAO, Juan - YUAN, Yongbo - LI, Meicheng. Ion-Migration Inhibition by the Cation- π Interaction in Perovskite Materials for Efficient and Stable Perovskite Solar Cells. In ADVANCED MATERIALS. ISSN 0935-9648, 2018, vol. 30, no. 31, 1707583., Registrované v: WOS
41. [1.1] WIEGHOLD, Sarah - SHIRATO, Nozomi - ROSE, Volker - NIENHAUS, Lea. Investigating the effect of electric fields on lead halide perovskites by scanning tunneling microscopy. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2020, vol. 128, no. 12, 125303., Registrované v: WOS
42. [1.1] WU, Bo - ZHANG, Lei - LIN, Shuai - LI, Jingfa - ZHOU, Qihao. Experimental and first principles investigations on the photoisomerization and electrochemical properties of chlorophosphonazo III. In JOURNAL OF MOLECULAR STRUCTURE. ISSN 0022-2860, 2019, vol. 1180, pp. 151-157., Registrované v: WOS
43. [1.1] XUE, Jingjing - WANG, Rui - YANG, Yang. The surface of halide perovskites from nano to bulk. In NATURE REVIEWS MATERIALS. ISSN 2058-8437, 2020, vol. 5, no. 11, pp. 809-827., Registrované v: WOS
44. [1.1] YANG, Feng - ZUO, Weiwei - LIU, Hui - SONG, Jian - LIU, Hairui - LI, Junming - JAIN, Sagar M. Ion-migration and carrier-recombination inhibition by the cation- π interaction in planar perovskite solar cells. In ORGANIC ELECTRONICS. ISSN 1566-1199, 2019, vol. 75, UNSP 105387., Registrované v: WOS
45. [1.1] YANG, Shuang - DAI, Jun - YU, Zhenhua - SHAO, Yuchuan - ZHOU, Yu - XIAO, Xun - ZENG, Xiao Cheng - HUANG, Jinsong. Tailoring Passivation Molecular Structures for Extremely Small Open-Circuit Voltage Loss in Perovskite Solar Cells. In JOURNAL OF THE AMERICAN CHEMICAL SOCIETY. ISSN 0002-7863, 2019, vol. 141, no. 14, pp. 5781-5787., Registrované v: WOS
46. [1.1] YU, Yue - WAN, Sushu - HONG, Daocheng - TIAN, Yuxi. Photo-induced dual passivation via Usanovich acid-base on surface defects of methylammonium lead triiodide perovskite. In PHYSICAL CHEMISTRY CHEMICAL PHYSICS. ISSN 1463-9076, 2018, vol. 20, no. 44, pp. 28068-28074., Registrované v: WOS
47. [1.1] ZENG, Cheng - WANG, Ben - WANG, Lian - LIA, Yingying - NIE, Yifan - XIAO, Wei. Chemisorption of a hydrogen adatom on metal doped α -Zr (0 0 0 1) surfaces in a vacuum and an implicit solvation environment. In

- NUCLEAR MATERIALS AND ENERGY. ISSN 2352-1791, 2017, vol. 13, pp. 28-34., Registrované v: WOS
48. [1.1] ZHANG, Hao - WU, Yongzhen - SHEN, Chao - LI, Erpeng - YAN, Chenxu - ZHANG, Weiwei - TIAN, He - HAN, Liyuan - ZHU, Wei-Hong. Efficient and Stable Chemical Passivation on Perovskite Surface via Bidentate Anchoring. In ADVANCED ENERGY MATERIALS. ISSN 1614-6832, 2019, vol. 9, no. 13, 1803573., Registrované v: WOS
49. [1.1] ZHANG, Lei - LIN, Shuai - WU, Bo - LI, Qingfang - LI, Jingfa. Understanding structures and properties of phosphorene/perovskite heterojunction toward perovskite solar cell applications. In JOURNAL OF MOLECULAR GRAPHICS & MODELLING. ISSN 1093-3263, 2019, vol. 89, no., pp. 96-101., Registrované v: WOS
50. [1.1] ZHANG, Lei - WU, Bo - LI, Jingfa. Understanding Interactions between Lead Iodide Perovskite Surfaces and Lithium Polysulfide toward New-Generation Integrated Solar-Powered Lithium Battery: An ab Initio Investigation. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2019, vol. 123, no. 1, pp. 82-90., Registrované v: WOS
51. [1.1] ZHANG, Lei - YU, Fengxi - CHEN, Lihong - LI, Jingfa. Adsorption of molecular additive onto lead halide perovskite surfaces: A computational study on Lewis base thiophene additive passivation. In APPLIED SURFACE SCIENCE. ISSN 0169-4332, 2018, vol. 443, pp. 176-183., Registrované v: WOS
52. [1.1] ZHANG, Linghai - SIT, Patrick H.L. Ab initio study of the role of iodine in the degradation of $\text{CH}_3\text{NH}_3\text{PbI}_3$. In JOURNAL OF MATERIALS CHEMISTRY A. ISSN 2050-7488, 2017, vol. 5, no. 45, pp. 23976-23986., Registrované v: WOS
53. [1.1] ZHANG, Linghai - SIT, Patrick H.L. Ab initio study of the dynamics of electron trapping and detrapping processes in the $\text{CH}_3\text{NH}_3\text{PbI}_3$ perovskite. In JOURNAL OF MATERIALS CHEMISTRY A. ISSN 2050-7488, 2019, vol. 7, no. 5, pp. 2135-2147., Registrované v: WOS
54. [1.1] ZHAO, Liyun - GAO, Yan - SU, Man - SHANG, Qiuyu - LIU, Zhen - LI, Qi - WEI, Qi - LI, Meili - FU, Lei - ZHONG, Yangguang - SHI, Jia - CHEN, Jie - ZHAO, Yue - QIU, Xiaohui - LIU, Xinfeng - TANG, Ning - XING, Guichuan - WANG, Xina - SHEN, Bo - ZHANG, Qing. Vapor-Phase Incommensurate Heteroepitaxy of Oriented Single-Crystal CsPbBr_3 on GaN: Toward Integrated Optoelectronic Applications. In ACS NANO. ISSN 1936-0851, 2019, vol. 13, no. 9, pp. 10085-10094., Registrované v: WOS
55. [1.1] ZHOU, Huanhuan - WANG, Jingfan - WANG, Mingchao - LIN, Shangchao. Competing Dissolution Pathways and Ligand Passivation-Enhanced Interfacial Stability of Hybrid Perovskites with Liquid Water. In ACS APPLIED MATERIALS & INTERFACES. ISSN 1944-8244, 2020, vol. 12, no. 20, pp. 23584-23594., Registrované v: WOS
56. [1.1] ZHOU, Qian - WANG, Boxing - MENG, Rui - ZHOU, Jiyu - XIE, Shenkun - ZHANG, Xuning - WANG, Jianqiu - YUE, Shengli - QIN, Bing - ZHOU, Huiqiong - ZHANG, Yuan. Understanding Temperature-Dependent Charge Extraction and Trapping in Perovskite Solar Cells. In ADVANCED FUNCTIONAL MATERIALS. ISSN 1616-301X, 2020, vol. 30, no. 22, 2000550., Registrované v: WOS
57. [1.1] ZHU, Ning - QI, Xin - ZHANG, Yuqing - LIU, Ganghong - WU, Cuncun - WANG, Duo - GUO, Xuan - LUO, Wei - LI, Xiangdong - HU,

Haozhe - CHEN, Zhijian - XIAO, Lixin - QU, Bo. High Efficiency (18.53%) of Flexible Perovskite Solar Cells via the Insertion of Potassium Chloride between SnO₂ and CH₃NH₃PbI₃ Layers. In ACS APPLIED ENERGY MATERIALS. ISSN 2574-0962, 2019, vol. 2, no. 5, pp. 3676-3682., Registrované v: WOS

ADCA761 LOCKMULLER, N. - REDGROVE, I. - KUBIČÁR, Ľudovít. Measurement of thermal conductivity with the needle probe. In *High Temperatures-High Pressure*, 2003, vol. 35-36, no. 2, p. 127-138. ISSN 0018-1544. Dostupné na: <https://doi.org/10.1068/htjr099>

Ohlasy:

1. [1.1] MUKAMA, Matia - AMBAW, Alemayehu - OPARA, Umezuruike Linus. Thermophysical properties of fruit-a review with reference to postharvest handling. In JOURNAL OF FOOD MEASUREMENT AND CHARACTERIZATION. ISSN 2193-4126, 2020, vol. 14, no. 5, pp. 2917-2937., Registrované v: WOS

2. [1.1] VIEIRA, Ana - ALBERDI-PAGOLA, Maria - CHRISTODOULIDES, Paul - et al. Characterisation of Ground Thermal and Thermo-Mechanical Behaviour for Shallow Geothermal Energy Applications. In ENERGIES. ISSN 1996-1073, 2017, vol. 10, no. 12, 2044., Registrované v: WOS

ADCA762 LORY, P.-F. - PAILHÉS, S.** - GIORDANO, V.M. - EUCHNER, H. - NGUYEN, H.D. - RAMLAU, R. - BORRMANN, H. - SCHMIDT, M. - BAITINGER, M. - IKEDA, M. - TOMEŠ, P. - MIHALKOVIČ, Marek - ALLIO, C. - JOHNSON, M.R. - SCHOBER, H. - SIDIS, Y. - BOURDAROT, F. - REGNAULT, L.P. - OLLIVIER, R. - PASCHEN, S. - GRIN, Y. - DE BOISSIEU, M.**. Direct measurement of individual phonon lifetimes in the clathrate compound Ba_{7.81}Ge_{4.067}Au_{5.33}. In *Nature Communications*, 2017, vol. 8, no. 491, p. 1-10. (2016: 12.124 - IF, Q1 - JCR, 6.414 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 2041-1723. Dostupné na: <https://doi.org/10.1038/s41467-017-00584-7>

Ohlasy:

1. [1.1] AMON, Alfred - SVANIDZE, Eteri - PROTS, Yurii - NICKLAS, Michael - BURKHARDT, Ulrich - ORMECI, Alim - LEITHE-JASPER, Andreas - GRIN, Yuri. Y₄Be₃₃Pt₁₆ a non-centrosymmetric cage superconductor with multi-centre bonding in the framework. In DALTON TRANSACTIONS. ISSN 1477-9226, 2020, vol. 49, no. 27, pp. 9362-9368., Registrované v: WOS

2. [1.1] BERETTA, Davide - NEOPHYTOU, Neophytos - HODGES, James M. - KANATZIDIS, Mercouri G. - NARDUCCI, Dario - MARTIN-GONZALEZ, Marisol - BEEKMAN, Matt - BALKE, Benjamin - CERRETTI, Giacomo - TREMEL, Wolfgang - ZEVALKINK, Alexandra - HOFMANN, Anna - MULLER, Christian - DORLING, Bernhard - CAMPOY-QUILES, Mariano - CAIRONI, Mario. Thermoelectrics: From history, a window to the future. In MATERIALS SCIENCE & ENGINEERING R-REPORTS. ISSN 0927-796X, 2019, vol. 138, pp. 210-255., Registrované v: WOS

3. [1.1] CANDOLFI, C. - KOZA, M. M. - AYDEMIR, U. - CARRILLO-CABRERA, W. - GRIN, Yu. - STEGLICH, F. - BAITINGER, M. Vibrational dynamics of the type-I clathrates A(8)Sn(44)square(2) (A=Cs, Rb, K)

from lattice-dynamics calculations, inelastic neutron scattering, and specific heat measurements. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2020, vol. 127, no. 14., Registrované v: WOS

4. [1.1] EUCHNER, Holger - GROSS, Axel. Predicting Accurate Phonon Spectra: An Improved Description of Lattice Dynamics in Thermoelectric Clathrates Based on the SCAN Meta-GGA Functional. In CHEMISTRY OF MATERIALS. ISSN 0897-4756, 2019, vol. 31, no. 7, pp. 2571-2576., Registrované v: WOS

5. [1.1] FEIG, Manuel - AKSELRUD, Lev - SCHNELLE, Walter - DYADKIN, Vadim - CHERNYSHOV, Dmitry - ORMECI, Alim - SIMON, Paul - LEITHE-JASPER, Andreas - GUMENIUK, Roman. Crystal structure, chemical bonding, and electrical and thermal transport in Sc₅Rh₆Sn₁₈. In DALTON TRANSACTIONS. ISSN 1477-9226, 2020, vol. 49, no. 20, pp. 6832-6841., Registrované v: WOS

6. [1.1] GIURA, Paola - PAULATTO, Lorenzo - HE, Fei - LOBO, Ricardo P. S. M. - BOSAK, Alexei - CALANDRINI, Eugenio - PAOLASINI, Luigi - ANTONANGELI, Daniele. Multiphonon anharmonicity of MgO. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 99, no. 22, 220304., Registrované v: WOS

7. [1.1] GLENSK, Albert - GRABOWSKI, Blazej - HICKEL, Tilmann - NEUGEBAUER, Jorg - NEUHAUS, Juergen - HRADIL, Klaudia - PETRY, Winfried - LEITNER, Michael. Phonon Lifetimes Throughout the Brillouin Zone at Elevated Temperatures from Experiment and ab initio. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 123, no. 23, 235501., Registrované v: WOS

8. [1.1] GRIN, Yuri. Inhomogeneity and anisotropy of chemical bonding and thermoelectric properties of materials. In JOURNAL OF SOLID STATE CHEMISTRY. ISSN 0022-4596, 2019, vol. 274, pp. 329-336., Registrované v: WOS

9. [1.1] CHOU, Ting-Han - LINDSAY, Lucas - MAZNEV, Alexei A. - GANDHI, Jateen S. - STOKES, Donna W. - FORREST, Rebecca L. - BENSALOULA, Abdelhak - NELSON, Keith A. - SUN, Chi-Kuang. Long mean free paths of room-temperature THz acoustic phonons in a high thermal conductivity material. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 100, no. 9, 094302., Registrované v: WOS

10. [1.1] LIANG, Shi-Jun - CHENG, Bin - CUI, Xinyi - MIAO, Feng. Van der Waals Heterostructures for High-Performance Device Applications: Challenges and Opportunities. In ADVANCED MATERIALS. ISSN 0935-9648, 2020, vol. 32, no. 27, 1903800., Registrované v: WOS

11. [1.1] LINDROTH, Daniel O. - BRORSSON, Joakim - FRANSSON, Erik - ERIKSSON, Fredrik - PALMQVIST, Anders - ERHART, Paul. Thermal conductivity in intermetallic clathrates: A first-principles perspective. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 100, no. 4, 045206., Registrované v: WOS

12. [1.1] LUO, Yixiu - YANG, Xiaolong - FENG, Tianli - WANG, Jingyang - RUAN, Xiulin. Vibrational hierarchy leads to dual-phonon transport in low thermal conductivity crystals. In NATURE COMMUNICATIONS. ISSN 2041-1723, 2020, vol. 11, no. 1., Registrované v: WOS

13. [1.1] MARTIN, N. On the resolution of a MIEZE spectrometer. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH

SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, 2018, vol. 882, pp. 11-16., Registrované v: WOS

14. [1.1] MORI, Takao - VANEY, Jean-Baptiste - GUELOU, Gabin - FAILAMANI, Fainan - GUO, Quansheng. Crystal growth of intermetallic thermoelectric materials. In CRYSTAL GROWTH OF INTERMETALLICS, 2019, pp. 217-259., Registrované v: WOS

15. [1.1] MORI, Takao. Thermoelectric and magnetic properties of rare earth borides: Boron cluster and layered compounds. In JOURNAL OF SOLID STATE CHEMISTRY. ISSN 0022-4596, 2019, vol. 275, pp. 70-82., Registrované v: WOS

16. [1.1] NIEDZIELA, J. L. - BANSAL, D. - DING, J. - LANIGAN-ATKINS, T. - LI, C. - MAY, A. F. - WANG, H. - LIN, J. Y. Y. - ABERNATHY, D. L. - EHLERS, G. - HUQ, A. - PARSHALL, D. - LYNN, J. W. - DELAIRE, O. Controlling phonon lifetimes via sublattice disordering in AgBiSe₂. In PHYSICAL REVIEW MATERIALS. ISSN 2475-9953, 2020, vol. 4, no. 10, 105402., Registrované v: WOS

17. [1.1] PEREZ, Christopher J. - BATES, Victor J. - KAUZLARICH, Susan M. Hydride Synthesis and Thermoelectric Properties of Type-I Clathrate K₈E₈Ge₃₈ (E = Al, Ga, In). In INORGANIC CHEMISTRY. ISSN 0020-1669, 2019, vol. 58, no. 2, pp. 1442-1450., Registrované v: WOS

18. [1.1] SASSI, Selma - CANDOLFI, Christophe - DAUSCHER, Anne - LENOIR, Bertrand - KOZA, Michael Marek. Inelastic neutron scattering study of the lattice dynamics of the homologous compounds (PbSe)₅(Bi₂Se₃)_{3m} (m=1, 2 and 3). In PHYSICAL CHEMISTRY CHEMICAL PHYSICS. ISSN 1463-9076, 2018, vol. 20, no. 21, pp. 14597-14607., Registrované v: WOS

19. [1.1] SHEN, Jinni - XIE, Tianzhu - ZHANG, Longkun - WANG, Ping - FANG, Zhenxing. Si₂Ge: A New VII-Type Clathrate with Ultralow Thermal Conductivity and High Thermoelectric Property. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2020, vol. 10, no. 1, 3068., Registrované v: WOS

20. [1.1] SCHWARZ, Ulrich - CASTILLO, Rodrigo - HUEBNER, Julia M. - WOSYLUS, Aron - PROTS, Yurii - BOBNAR, Matej - GRIN, Yuri. The untypical high-pressure Zintl phase SrGe₆. In ZEITSCHRIFT FÜR NATURFORSCHUNG SECTION B-A JOURNAL OF CHEMICAL SCIENCES. ISSN 0932-0776, 2020, vol. 75, no. 1-2, pp. 209-216., Registrované v: WOS

21. [1.1] SIMONCELLI, Michele - MARZARI, Nicola - MAURI, Francesco. Unified theory of thermal transport in crystals and glasses. In NATURE PHYSICS. ISSN 1745-2473, 2019, vol. 15, no. 8, pp. 809-+, Registrované v: WOS

22. [1.1] SYNORADZKI, Karol - CIESIELSKI, Kamil - VEREMCHUK, Igor - BORRMANN, Horst - SKOKOWSKI, Przemyslaw - SZYMANSKI, Damian - GRIN, Yuri - KACZOROWSKI, Dariusz. Thermal and Electronic Transport Properties of the Half-Heusler Phase ScNiSb. In MATERIALS. ISSN 1996-1944, 2019, vol. 12, no. 10, 1723., Registrované v: WOS

23. [1.1] TADANO, Terumasa - TSUNEYUKI, Shinji. Quartic Anharmonicity of Rattlers and Its Effect on Lattice Thermal Conductivity of Clathrates from First Principles. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2018, vol. 120, no. 10, 105901., Registrované v: WOS

24. [1.1] UCHIYAMA, H. - OSHIMA, Y. - PATTERSON, R. -

IWAMOTO, S. - SHIOMI, J. - SHIMAMURA, K. Phonon Lifetime Observation in Epitaxial ScN Film with Inelastic X-Ray Scattering Spectroscopy. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2018, vol. 120, no. 23, 235901., Registrované v: WOS

25. [1.1] WANG, Jian - HE, Yuping - MORDVINOVA, Natalia E. - LEBEDEV, Oleg I. - KOVNIR, Kirill. The Smaller the Better: Hosting Trivalent Rare-Earth Guests in Cu-P Clathrate Cages. In CHEM. ISSN 2451-9294, 2018, vol. 4, no. 6, pp. 1465-1475., Registrované v: WOS

26. [1.1] XIA, Yi - OZOLINS, Vidvuds - WOLVERTON, Chris. Microscopic Mechanisms of Glasslike Lattice Thermal Transport in Cubic Cu₁₂Sb₄S₁₃ Tetrahedrites. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2020, vol. 125, no. 8, 085901., Registrované v: WOS

27. [1.1] XI, Qing - ZHANG, Zhongwei - NAKAYAMA, Tsuneyoshi - CHEN, Jie - ZHOU, Jun - LI, Baowen. Off-center rattling triggers high-temperature thermal transport in thermoelectric clathrates: Nonperturbative approach. In PHYSICAL REVIEW B. ISSN 2469-9950, 2018, vol. 97, no. 22, 224308., Registrované v: WOS

28. [1.1] ZHANG, Zhongwei - HU, Shiqian - XI, Qing - NAKAYAMA, Tsuneyoshi - VOLZ, Sebastian - CHEN, Jie - LI, Baowen. Tunable phonon nanocapacitor built by carbon schwarzite based host-guest system. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 101, no. 8, 081402., Registrované v: WOS

ADCA763 LUBY, Štefan - MAJKOVÁ, Eva - SPASOVA, M. - JERGEL, Matej - SENDERÁK, Rudolf - D'ANNA, E. - LUCHES, A. - MARTINO, M. - BRUNEL, M. - DMITRENKO, I. M. Giant magnetoresistance in Ag/Co multilayers irradiated by excimer laser. In *Thin Solid Films*, 1998, vol. 312, no. 1-2, p. 15-19. (1997: 1.030 - IF, Current Contents - CCC). (1998 - Current Contents). ISSN 0040-6090. Dostupné na: [https://doi.org/10.1016/S0040-6090\(97\)00386-6](https://doi.org/10.1016/S0040-6090(97)00386-6)

Ohlasy:

1. [1.1] ZHAO, Cancan - XIN, Renlong - REN, Fuzeng. The Size Dependent Deformation and Strengthening Mechanisms of Nanolayered Co/Ag Micropillars. In METALLURGICAL AND MATERIALS TRANSACTIONS A-PHYSICAL METALLURGY AND MATERIALS SCIENCE. ISSN 1073-5623, 2019, vol. 50, no. 12, pp. 5640-5649., Registrované v: WOS

ADCA764 LUBY, Štefan - MAJKOVÁ, Eva - JERGEL, Matej - D'ANNA, E.D. - LEGGIERI, G. - LUCHES, A. - MARTINO, M. - VALÍČEK, J. Intermixing in immiscible molybdenum/copper multilayered metallization under excimer laser irradiation. In *Applied Surface Science*, 1996, vol. 196, p. 243-246. (1996 - Current Contents). ISSN 0169-4332.

Ohlasy:

1. [1.2] Preparation of Cu/Mo/Cu laminated composite material with high interfacial bonding strength. In *Fenmo Yejin Jishu/Powder Metallurgy Technology*. ISSN 10013784, 2017-02-27, 35, 1, pp. 34-38., Registrované v: SCOPUS

ADCA765 LUBY, Štefan - ANWARZAI, B. - AC, V. - MAJKOVÁ, Eva - SENDERÁK, Rudolf. Pseudo spin-valves with different spacer thickness as sensing elements of mechanical strain. In *Vacuum*, 2012, vol. 86, no. 6, p. 718-720. (2011: 1.317 - IF,

Q2 - JCR, 0.570 - SJR, Q2 - SJR, Current Contents - CCC). (2012 - Current Contents). ISSN 0042-207X. Dostupné na: <https://doi.org/10.1016/j.vacuum.2011.08.012>

Ohlasy:

1. [1.1] GRYCHANOVSKA, T. M. - KHOLOD, T. S. - HRYCHANOVSKA, O. A. - TSYGANKOVA, L. A. Effect of Annealing on Structural-phase State and Three-layered Film Magnetoresistance Systems Based on Ni and V as well as Ni and Au or Ag. In JOURNAL OF NANO- AND ELECTRONIC PHYSICS. ISSN 2077-6772, 2016, vol. 8, no. 1, 01018., Registrované v: WOS
2. [1.1] LIU, Luping - ZHAN, Qingfeng - YANG, Huali - LI, Huihui - ZHANG, Shuanglan - LIU, Yiwei - WANG, Baomin - TAN, Xiaohua - LI, Run-Wei. Magnetostrictive GMR spin valves with composite FeGa/FeCo free layers. In AIP ADVANCES. ISSN 2158-3226, 2016, vol. 6, no. 3, 035206., Registrované v: WOS
3. [1.1] MATSUMOTO, H. - OTA, S. - ANDO, A. - CHIBA, D. A flexible exchange-biased spin valve for sensing strain direction. In APPLIED PHYSICS LETTERS. ISSN 0003-6951, 2019, vol. 114, no. 13, 132401., Registrované v: WOS
4. [1.1] OTA, Shinya - HIRAI, Takamasa - OCHI, Koki - NAMAZU, Takahiro - INA, Toshiaki - KOYAMA, Tomohiro - CHIBA, Daichi. Extended x-ray absorption fine structure spectroscopy of stretched magnetic films on flexible substrate. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2020, vol. 127, no. 17., Registrované v: WOS
5. [1.1] OTA, S. - ANDO, A. - SEKITANI, T. - KOYAMA, T. - CHIBA, D. Flexible CoFeB/MgO-based magnetic tunnel junctions annealed at high temperature (≥ 350 degrees C). In APPLIED PHYSICS LETTERS. ISSN 0003-6951, 2019, vol. 115, no. 20, 202401., Registrované v: WOS
6. [1.1] PAZUKHA, I. M. - KOLOSKOVA, O. A. - PROTSENKO, S. I. Peculiarities of Magnetoresistive Properties of Co/Ag/Py Pseudo Spin Valves Under Heat Treatment. In JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM. ISSN 1557-1939, 2020, vol. 33, no. 4, pp. 1119-1124. Dostupné na: <https://doi.org/10.1007/s10948-019-05311-5>, Registrované v: WOS
7. [1.1] PROTSENKO, S.I.-ODNODVORETS, L.V.-PROTSENKO, I.Y. Future strain properties of multilayer film materials. In SPRINGER PROCEEDINGS IN PHYSICS, 2015, vol. 156, p. 345-374., Registrované v: WOS
8. [1.1] VOROBIOV, S. I. - SHUTYLIEVA, O. V. - PAZUKHA, I. M. - CHORNOUS, A. M. The annealing effect on structure, magnetoresistance and magnetic properties of Co/Bi/Co thin films. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2016, vol. 131, no. 6, 203., Registrované v: WOS

ADCA766 LUBY, Štefan - MAJKOVÁ, Eva - JERSEL, Matej - BRUNEL, M. - LEGGIERI, G. - LUCHES, A. - MAJNI, G. - MENGUCCI, P. Stability of interfaces in Mo/Cu multilayered metallization. In *Thin Solid Films*, 1996, vol. 277, no. 1-2, p. 138-143. (1996 - Current Contents). ISSN 0040-6090. Dostupné na: [https://doi.org/10.1016/0040-6090\(95\)08014-7](https://doi.org/10.1016/0040-6090(95)08014-7)

Ohlasy:

1. [1.1] POWERS, Max - DERBY, Benjamin - RAEKER, Evan - CHAMPION, Nicholas - MISRA, Amit. Hillock formation in co-deposited thin films of immiscible metal alloy systems. In THIN SOLID FILMS. ISSN 0040-6090, 2020, vol. 693, 137692., Registrované v: WOS

ADCA767 LUBY, Štefan - MAJKOVÁ, Eva - JERGEL, Matej - SENDERÁK, Rudolf - D ANNA, E. - LEGGIERI, G. - LUCHES, A. - MARTINO, M. Structure and in-depth concentrations in excimer laser irradiated Pb-Co. In *Thin Solid Films*, 2000, vol. 359, no. 2, p. 141-145. (1999: 1.100 - IF, Current Contents - CCC). (2000 - Current Contents). ISSN 0040-6090.

Ohlasy:

1. [1.1] RIMINUCCI, Alberto - SCHWARZACHER, Walther. Coexistence of superconductivity and superparamagnetism in Pb-Co electrodeposited nanowires. In APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING. ISSN 0947-8396, 2017, vol. 123, no. 3, 161., Registrované v: WOS

ADCA768 LUBY, Štefan - MAJKOVÁ, Eva. Tailoring of multilayer interfaces by pulsed laser irradiation. In *Applied Surface Science*, 2005, vol. 248, no. 1-4, p. 316-322. Dostupné na: <https://doi.org/10.1016/j.apsusc.2005.03.047>

Ohlasy:

1. [1.1] LIDER, V. V. Multilayer X-ray interference structures. In PHYSICS-USPEKHI. ISSN 1063-7869, 2019, vol. 62, no. 11, pp. 1063-1095. Dostupné na: <https://doi.org/10.3367/UFNe.2018.10.038439>., Registrované v: WOS

2. [1.1] LOHVYNOV, A. M. - CHESHKO, I. - TKACH, O. P. - SHABELNYK, Yu M. - PROTSENKO, S. Flexible Thermostable Metal Spin-Valves Based on Co, Cu, Fe, Au, Ru Thin Films. In MICROSTRUCTURE AND PROPERTIES OF MICRO- AND NANOSCALE MATERIALS, FILMS, AND COATINGS (NAP 2019). ISSN 0930-8989, 2020, vol. 240, pp. 249-260. Dostupné na: https://doi.org/10.1007/978-981-15-1742-6_23., Registrované v: WOS

3. [1.1] MALONDA-BOUNGOU, B. R. - OKANA-LOMANGA, A. L. - MOUSSOUNDA, P. S. - et al. MAGNETIC PROPERTIES OF Fe DEPOSITED ON W(110) SURFACE: EFFECTS OF O CONTAMINATION AND O-2 ADSORPTION. In SURFACE REVIEW AND LETTERS. ISSN 0218-625X, 2017, vol. 24, no. 1, 1750009., Registrované v: WOS

4. [1.1] YUAN, Yanyan - LE GUEN, Karine - ANDRE, Jean-Michel - MENY, Christian - ULHAQ, Corinne - GALTAYRIES, Anouk - ZHU, Jingtao - WANG, Zhanshan - JONNARD, Philippe. Interface observation of heat-treated Co/Mo2C multilayers. In APPLIED SURFACE SCIENCE. ISSN 0169-4332, 2015, vol. 331, pp. 8-16., Registrované v: WOS

ADCA769 LUBY, Štefan - MAJKOVÁ, Eva - DANNA, E. - LUCHES, A. - MARTINO, M. - TUFANO, A. - MAJNI, G. Tungsten silicide formation by multipulse excimer laser irradiation. In *Applied Surface Science*, 1993, vol. 69, no. 1-4, p. 345-349. (1992: 1.150 - IF, Current Contents - CCC). (1993 - Current Contents). ISSN 0169-4332.

Ohlasy:

1. [1.1] LAWRENCE, J. - PEY, K. L. - LEE, P. S. Pulsed Laser Annealing Technology for Nano-Scale Fabrication of Silicon-Based Devices in Semiconductors. In ADVANCES IN LASER MATERIALS PROCESSING: TECHNOLOGY, RESEARCH AND APPLICATIONS, 2ND EDITION. ISSN 2052-5532, 2018, pp. 299-337., Registrované v: WOS

ADCA770 LUPTÁK, Roman - FRÖHLICH, Karol - ROSOVÁ, Alica - HUŠEKOVÁ, Kristína - ŤAPAJNA, Milan - MACHAJDÍK, Daniel - JERSEL, Matej - ESPINOS, J.P. - MANSILLA, C. Growth of gadolinium oxide films for advanced MOS structure. In *Microelectronic Engineering*, 2005, vol. 80, p. 154-157. ISSN 0167-9317. Dostupné na: <https://doi.org/10.1016/j.mee.2005.04.059>

Ohlasy:

1. [1.1] ACCARDO, Grazia - KIM, Ghun Sik - HAM, Hyung Chul - YOON, Sung Pil. Optimized lithium-doped ceramic electrolytes and their use in fabrication of an electrolyte-supported solid oxide fuel cell. In INTERNATIONAL JOURNAL OF HYDROGEN ENERGY. ISSN 0360-3199, 2019, vol. 44, no. 23, pp. 12138-12150., Registrované v: WOS

2. [1.1] GOH, K.H. - HASEEB, A.S.M.A. - WONG, Y.H. In MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING. SEP 2017, vol. 68, p. 302-315., Registrované v: WOS

3. [1.1] KAHRAMAN, A. - GURER, U. - LOK, R. - KAYA, S. - YILMAZ, E. Impact of interfacial layer using ultra-thin SiO₂ on electrical and structural characteristics of Gd₂O₃ MOS capacitor. In JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS. OCT 2018, vol. 29, no. 20, p. 17473-17482., Registrované v: WOS

4. [1.1] MISHRA, M. - KUPPUSAMI, P. - RAMYA, S. - GANESAN, V. - SINGH, A. - THIRUMURUGESAN, R. - MOHANDAS, E. In SURFACE & COATINGS TECHNOLOGY. JAN 25 2015, vol. 262, p. 56-63., Registrované v: WOS

5. [1.1] PATTABI, M. - THILIPAN, G.A.K. In 61ST DAE-SOLID STATE PHYSICS SYMPOSIUM. 2017, vol. 1832., Registrované v: WOS

6. [1.1] PRASAD, C.V. - REDDY, M.S.P. - REDDY, V.R. - PARK, C. Effect of annealing on chemical, structural and electrical properties of Au/Gd₂O₃/n-GaN heterostructure with a high-k rare-earth oxide interlayer. In APPLIED SURFACE SCIENCE. JAN 1 2018, vol. 427, B, p. 670-677., Registrované v: WOS

7. [1.1] STADLER, D. - SIRIBBAL, S.M. - GESSNER, I. - OZ, S. - ILYAS, S. - MATHUR, S. Asymmetric attachment and functionalization of plasmonic nanoparticles on ceramic interfaces. In JOURNAL OF NANOSTRUCTURE IN CHEMISTRY. APR 2018, vol. 8, no. 1, p. 33-44., Registrované v: WOS

8. [1.1] THILIPAN, G.A.K. - RAO, A. Effect of Variation in RF Sputtering Power on the Electrical Characteristics of Al/Gd₂O₃/p-Si MOS Capacitors. In DAE SOLID STATE PHYSICS SYMPOSIUM 2019. ISSN 0094-243X, 2020, vol. 2265., Registrované v: WOS

9. [1.1] TIEN, C.Y. - KUEI, P.Y. - CHANG, L.B. - HSU, C.P. In JOURNAL OF ELECTRICAL ENGINEERING & TECHNOLOGY. JUL 2015, vol. 10, no. 4, p. 1720-1725., Registrované v: WOS

ADCA771 LV, B. F. - PETRACHE, C. M.** - ASTIER, A. - DUPONT, E. - LOPEZ-MARTENS, A. - GREENLEES, P. T. - BADRAN, H. - CALVERLEY, T. - COX, D. M. - GRAHN, T. - HILTON, J. - JULIN, R. - JUUTINEN, S. - KONKI, J. - LEINO, M. - PAKARINEN, J. - PAPADAKIS, P. - PARTANEN, J. - RAHKILA, P. - SANDZELIUS, M. - SAREN, J. - SCHOLEY, C. - SORRI, J. - STOLZE, S. - UUSITALO, J. - HERZÁŇ, Andrej - CEDERWALL, B. - ERTOPRAK, A. - LIU, H. - GUO, S. - LIU, M. L. - QIANG, Y. H. - WANG, J. G. - ZHOU, X. H. - KUTI, I. - TIMÁR, J. - TUCHOLSKI, A. - SREBRNY, J. - ANDREOIU, C. Evolution from gamma-soft to stable triaxiality in Nd-136 as a prerequisite of chirality. In *Physical Review C*, 2018, vol. 98, no. 4, art. no. 044304. (2017: 3.304 - IF, Q2 - JCR, 1.443 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.98.044304>

Ohlasy:

1. [1.1] BABRA, F. S. - PALIT, R. - RAJBANSHI, S. - JEHANGIR, S. - DAS, B. - BHAT, G. H. - SHEIKH, J. A. - BISWAS, S. - GARG, U. - LASKAR, Md S. R. - PALSHETKAR, C. - SAHA, S. - SETHI, J. - SINGH, P. Investigation of a large change in deformation for the gamma-soft nucleus Sm-136. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 100, no. 5, 054308., Registrované v: WOS
2. [1.1] NDAYISHIMYE, J. - LAWRIE, E. A. - SHIRINDA, O. - EASTON, J. L. - LAWRIE, J. J. - WYNGAARDT, S. M. - BARK, R. A. - BUCHER, T. D. - BVUMBI, S. P. - DINOKO, T. R. S. - JONES, P. - KHESWA, N. Y. - MAJOLA, S. N. T. - MASITENG, P. L. - NEGI, D. - ORCE, J. N. - SHARPEY-SCHAFER, J. F. - WIEDEKING, M. Competition of rotation around the intermediate and long axes in Tl-193. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 100, no. 1, 014313., Registrované v: WOS

ADCA772 MAAS, Axel. More on Gribov copies and propagators in Landau-gauge Yang-Mills theory. In *Physical Review D*, 2009, vol. 79, no. 1, 014505. (2008: 5.050 - IF, Q1 - JCR, 2.920 - SJR, Q1 - SJR, Current Contents - CCC). (2009 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.79.014505>

Ohlasy:

1. [1.1] BORNIAKOV, V. G. - ILGENFRITZ, E.M. - LITWINSKI, C. - MUELLER-PREUSSKER, M. - MITRUSHKIN, V. K. Landau gauge ghost propagator and running coupling in SU(2) lattice gauge theory. In *PHYSICAL REVIEW D*. ISSN 1550-7998, 2015, vol. 92, no. 7, 074505., Registrované v: WOS
2. [1.1] CANFORA, F. E. - DUDAL, D. - JUSTO, I. F. - PAIS, P. - ROSA, L. - VERCAUTEREN, D. Effect of the Gribov horizon on the Polyakov loop and vice versa. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2015, vol. 75, no. 7, 326., Registrované v: WOS
3. [1.1] CAPRI, M. A. L. - FIORENTINI, D. - GUIMARAES, M. S. - MINTZ, B. W. - PALHARES, L. F. - SORELLA, S. P. - DUDAL, D. - JUSTO, I. F. - PEREIRA, A. D. - SOBREIRO, R. F. More on the nonperturbative Gribov-Zwanziger quantization of linear covariant gauges. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2016, vol. 93, no. 6, 065019., Registrované v: WOS
4. [1.1] CORELL, Lukas - CYROL, Anton K. - MITTER, Mario -

- PAWLOWSKI, Jan M. - STRODTHOFF, Nils. Correlation functions of three-dimensional Yang-Mills theory from the FRG. In *SCIPOST PHYSICS*. ISSN 2542-4653, 2018, vol. 5, no. 6, 066., Registrované v: WOS
5. [1.1] DE MEERLEER, T. - DUDAL, D. - SORELLA, S. P. - DALL'OLIO, P. - BASHIR, A. Fresh look at the Abelian and non-Abelian Landau-Khalatnikov-Fradkin transformations. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2018, vol. 97, no. 7, 074017., Registrované v: WOS
6. [1.1] DEUR, Alexandre - BRODSKY, Stanley J. - DE TERAMOND, Guy F. The QCD running coupling. In *PROGRESS IN PARTICLE AND NUCLEAR PHYSICS*. ISSN 0146-6410, 2016, vol. 90, pp. 1-74., Registrované v: WOS
7. [1.1] DUDAL, D. - FELIX, C. P. - PALHARES, L. F. - RONDEAU, F. - VERCAUTEREN, D. The BRST-invariant vacuum state of the Gribov-Zwanziger theory. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2019, vol. 79, no. 9, 731., Registrované v: WOS
8. [1.1] DUDAL, D. - GUIMARAES, M. S. - JUSTO, I. F. - SORELLA, S. P. On bounds and boundary conditions in the continuum Landau gauge. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2015, vol. 75, no. 2, 83., Registrované v: WOS
9. [1.1] DUDAL, D. - VAN EGMOND, D. M. - GUIMARAES, M. S. - HOLANDA, O. - MINTZ, B. W. - PALHARES, L. F. - PERUZZO, G. - SORELLA, S. P. Some remarks on the spectral functions of the Abelian Higgs model. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2019, vol. 100, no. 6, 065009., Registrované v: WOS
10. [1.1] FERREIRA, Luigi C. - PEREIRA, Antonio D. - SOBREIRO, Rodrigo F. Hints of confinement and deconfinement in Yang-Mills-Chern-Simons theories in the maximal Abelian gauge. In *PHYSICAL REVIEW D*. ISSN 1550-7998, 2020, vol. 101, no. 10, 105022. Dostupné na: <https://doi.org/10.1103/PhysRevD.101.105022>., Registrované v: WOS
11. [1.1] GUIMARAES, M. S. - PEREIRA, A. D. - SORELLAT, S. P. Remarks on the effects of the Gribov copies on the infrared behavior of higher dimensional Yang-Mills theory. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2016, vol. 94, no. 11, 116011., Registrované v: WOS
12. [1.1] HUBER, Markus Q. Correlation functions of three-dimensional Yang-Mills theory from Dyson-Schwinger equations. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2016, vol. 93, no. 8, 085033., Registrované v: WOS
13. [1.1] HUBER, Markus Q. Nonperturbative properties of Yang-Mills theories. In *PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS*. ISSN 0370-1573, 2020, vol. 879, pp. 1-92. Dostupné na: <https://doi.org/10.1016/j.physrep.2020.04.004>., Registrované v: WOS
14. [1.1] PEREIRA, A. D. - SOBREIRO, R. F. - SORELLA, S. P. Non-perturbative BRST quantization of Euclidean Yang-Mills theories in Curci-Ferrari gauges. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2016, vol. 76, no. 10, 528., Registrované v: WOS
15. [1.1] SCHADEN, Martin - ZWANZIGER, Daniel. Living with spontaneously broken BRST symmetry. I. Physical states and cohomology. In *PHYSICAL REVIEW D*. ISSN 1550-7998, 2015, vol. 92, no. 2, 025001., Registrované v: WOS

ADCA773 MAAS, Axel. Two- and three- point Green's functions in two-dimensional Landau-gauge Yang-Mills theory. In *Physical Review D*, 2007, vol. 75, no. 11, 116004. (2006: 4.896 - IF, Q1 - JCR, 2.381 - SJR, Q1 - SJR, Current Contents - CCC). (2007 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.75.116004>

Ohlasy:

1. [1.1] BELL, J. M. - GRACEY, J. A. Maximal Abelian and Curci-Ferrari gauges in momentum subtraction at three loops. In *PHYSICAL REVIEW D*. ISSN 1550-7998, 2015, vol. 92, no. 12, 125001., Registrované v: WOS
2. [1.1] CUCCHIERI, Attilio - DUDAL, David - MENDES, Tereza - VANDERSICKEL, Nele. Modeling the Landau-gauge ghost propagator in 2, 3, and 4 spacetime dimensions. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2016, vol. 93, no. 9, 094513., Registrované v: WOS
3. [1.1] EICHMANN, Gernot - SANCHIS-ALEPUZ, Helios - WILLIAMS, Richard - ALKOFE, Reinhard - FISCHER, Christian S. Baryons as relativistic three-quark bound states. In *PROGRESS IN PARTICLE AND NUCLEAR PHYSICS*. ISSN 0146-6410, 2016, vol. 91, ., pp. 1-100., Registrované v: WOS
4. [1.1] GONGYO, Shinya - ZWANZIGER, Daniel. Phase structure and the gluon propagator of SU(2) gauge-Higgs model in two dimensions. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2015, vol., no. 1, 002., Registrované v: WOS
5. [1.1] GRACEY, J. A. Six dimensional QCD at two loops. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2016, vol. 93, no. 2, 025025., Registrované v: WOS
6. [1.1] KOSHELKIN, Andrew V. SU(N) gauge invariant currents and hadronization. In *PHYSICAL REVIEW D*. ISSN 1550-7998, 2015, vol. 92, no. 4, 045017., Registrované v: WOS
7. [1.1] SCHADEN, M.- ZWANZIGER, D. In *PHYSICAL REVIEW D*, 2015, vol. 92, 025001., Registrované v: WOS
8. [1.1] WEBER, Axel - DALL'OLIO, Pietro - ASTORGA, Francisco. Infrared Yang-Mills theory: A renormalization group perspective. In *INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS*. ISSN 0218-3013, 2016, vol. 25, no. 7, 1642002., Registrované v: WOS
9. [3.1] CUCCHIERI, A.- MENDES, T. Bloch waves in minimal Landau gauge. PREPRINT/ HEP-LAT, 2016, 0612.01279.
10. [3.1] FRASCA, M. Running mass of the gluon propagator in the Landau gauge. In PREPRINT HEP-PH/ 1506.04612, 2015 .
11. [3.1] KOSHELKIN, A. In *PROCEEDINGS OF SCIENCE, EPS-HEP2015*, 2015, 459.
12. [3.1] VUJINOVIC, M. Vertices and bound states in strongly interacting theories. In PhD Thesis Graz University, 2015, 752822.

ADCA774 MAAS, Axel - MENDES, T. - OLEJNÍK, Štefan. Yang-Mills theory in lambda gauges. In *Physical Review D*, 2011, vol. 84, no. 11, 114501. (2010: 4.964 - IF, Q1 - JCR, 2.759 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.84.114501>

Ohlasy:

1. [1.1] HUBER, Markus Q. Nonperturbative properties of Yang-Mills theories. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, 2020, vol. 879, pp. 1-92., Registrované v: WOS

ADCA775 MAAS, A. - OLEJNÍK, Štefan. A first look at Landau-gauge propagators in G(2) Yang-Mills theory. In *Journal of High Energy Physics*, 2008, no. 02, 070. (2007: 5.659 - IF, 1.463 - SJR, Q1 - SJR, Current Contents - CCC). (2008 - Current Contents). ISSN 1029-8479. Dostupné na: <https://doi.org/10.1088/1126-6708/2008/02/070>

Ohlasy:

1. [1.1] BONATI, Claudio. Topology and theta dependence in finite temperature G(2) lattice gauge theory. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 03, 2015, 006., Registrované v: WOS
2. [1.1] BRUNO, Mattia - CASELLE, Michele - PANERO, Marco - PELLEGRINI, Roberto. Exceptional thermodynamics: the equation of state of G(2) gauge theory. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 03, 2015, 057., Registrované v: WOS
3. [1.1] CONTANT, Romain - HUBER, Markus Q. Phase structure and propagators at nonvanishing temperature for QCD and QCD-like theories. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 7, 074002., Registrované v: WOS
4. [1.1] CONTANT, Romain - HUBER, Markus Q. The quark propagator in QCD and G(2) QCD. In XIITH QUARK CONFINEMENT AND THE HADRON SPECTRUM. ISSN 2100-014X, 2017, vol. 137, UNSP 13003., Registrované v: WOS
5. [1.1] FABER, Manfred - HOELLWIESER, Roman. Chiral symmetry breaking on the lattice. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2017, vol. 97, pp. 312-355., Registrované v: WOS
6. [1.1] HUBER, Markus Q. Nonperturbative properties of Yang-Mills theories. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, 2020, vol. 879, pp. 1-92., Registrované v: WOS
7. [1.1] NEJAD, Seyed Mohsen Hosseini - DELDAR, Sedigheh. Contributions of the center vortices and vacuum domain in potentials between static sources. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 03, 2015, 016., Registrované v: WOS
8. [1.1] SHAHLAEI, Amir - RAFIBAKHSH, Shahnoosh. F-4, E-6 and G(2) exceptional gauge groups in the vacuum domain structure model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 5, 056015., Registrované v: WOS

ADCA776 MAJERNÍK, Vladimír - MAJERNÍKOVÁ, Eva. Standard and entropic uncertainty relations of the finite well. In *Journal of Physics A: Mathematical and Theoretical*, 2002, vol. 35, no. 27, p. 5751-5761. ISSN 1751-8113. Dostupné na: <https://doi.org/10.1088/0305-4470/35/27/314>

Ohlasy:

1. [1.1] DE ARAUJO, O. R. - MARINHO, L. S. - COSTA, H. A. S. - SAMPAIO, Marcos - DA PAZ, I. G. Shannon entropy and interference in the double-slit experiment with matter waves. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2019, vol. 34, no. 2, 1950017., Registrované v: WOS

2. [1.1] GHAFOURIAN, M. - HASSANABADI, H. Shannon information entropies for the three-dimensional Klein-Gordon problem with the Poschl-Teller potential. In JOURNAL OF THE KOREAN PHYSICAL SOCIETY. ISSN 0374-4884, 2016, vol. 68, no. 11, pp. 1267-1271., Registrované v: WOS
3. [1.1] HASSANABADI, H. - ZARE, S. - ALIMOHAMMADI, M. Investigation of the information entropy for the X(3) model. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2017, vol. 132, no. 11, art. no. 498., Registrované v: WOS
4. [1.1] NAJAFIZADE, S. A. - HASSANABADI, H. - ZARRINKAMAR, S. Nonrelativistic Shannon information entropy for Kratzer potential. In CHINESE PHYSICS B. ISSN 1674-1056, 2016, vol. 25, no. 4, 040301., Registrované v: WOS
5. [1.1] OU, Jen-Hao - HO, Yew Kam. Shannon information entropy in position space for doubly excited states of helium with finite confinements. In CHEMICAL PHYSICS LETTERS. ISSN 0009-2614, 2017, vol. 689, pp. 116-120., Registrované v: WOS
6. [1.1] SHI, Ye-Jiao - SUN, Guo-Hua - JING, Jian - DONG, Shi-Hai. Shannon and Fisher entropy measures for a parity-restricted harmonic oscillator. In LASER PHYSICS. ISSN 1054-660X, 2017, vol. 27, no. 12, art. no. 125201., Registrované v: WOS
7. [1.1] SOLAIMANI, M. - SUN, Guo-Hua - DONG, Shi-Hai. Shannon information entropies for rectangular multiple quantum well systems with constant total lengths. In CHINESE PHYSICS B. ISSN 1674-1056, 2018, vol. 27, no. 4, art. no. 040301., Registrované v: WOS
8. [1.1] TAMURA, Akira - TATSUMI, Yohhei. Uncertainty relations for a particle confined in a finite square well potential. In EUROPEAN JOURNAL OF PHYSICS. ISSN 0143-0807, 2017, vol. 38, no. 6, art. no. 065402., Registrované v: WOS

ADCA777 MAJERNÍK, Vladimír - MAJERNÍKOVÁ, Eva. The determination of bounds of the beta-entropic sum of two noncommuting observables. In *Reports on Mathematical Physics*, 2001, vol. 47, no. 3, p. 381-392. ISSN 0034-4877. Dostupné na: [https://doi.org/10.1016/S0034-4877\(01\)80051-3](https://doi.org/10.1016/S0034-4877(01)80051-3)

Ohlasy:

1. [1.1] SRINIVAS, M. D. - MANDAYAM, Prabha. Uncertainty trade-off and disturbance trade-off for quantum measurements. In CURRENT SCIENCE. ISSN 0011-3891, 2015, vol. 109, no. 11, pp. 2044-2051., Registrované v: WOS

ADCA778 MAJERNÍK, Vladimír - CHARVOT, R. - MAJERNÍKOVÁ, Eva. The momentum entropy of the infinite potential well. In *Journal of Physics A*, 1999, vol. 32, no. 11, p. 2207-2216. ISSN 0305-4470. Dostupné na: <https://doi.org/10.1088/0305-4470/32/11/013>

Ohlasy:

1. [1.1] GHAFOURIAN, M. - HASSANABADI, H. Shannon information entropies for the three-dimensional Klein-Gordon problem with the Poschl-Teller potential. In JOURNAL OF THE KOREAN PHYSICAL SOCIETY. ISSN 0374-4884, 2016, vol. 68, no. 11, pp. 1267-1271. Dostupné na: <https://doi.org/10.3938/jkps.68.1267>., Registrované v: WOS

2. [1.1] HASSANABADI, H. - ZARE, S. - ALIMOHAMMADI, M. Investigation of the information entropy for the X(3) model. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2017, vol. 132, no. 11, 498., Registrované v: WOS
3. [1.1] MUNJAL, D. - SEN, K. D. - PRASAD, V. Shape effect on information theoretic measures of quantum heterostructures. In JOURNAL OF PHYSICS COMMUNICATIONS. ISSN 2399-6528, 2018, vol. 2, no. 2, UNSP 025002., Registrované v: WOS
4. [1.1] NAJAFIZADE, S. A. - HASSANABADI, H. - ZARRINKAMAR, S. Nonrelativistic Shannon information entropy for Kratzer potential. In CHINESE PHYSICS B. ISSN 1674-1056, 2016, vol. 25, no. 4. Dostupné na: <https://doi.org/10.1088/1674-1056/25/4/040301>., Registrované v: WOS
5. [1.1] NASCIMENTO, Wallas S. - PRUDENTE, Frederico V. Shannon entropy: A study of confined hydrogenic-like atoms. In CHEMICAL PHYSICS LETTERS. ISSN 0009-2614, 2018, vol. 691, pp. 401-407., Registrované v: WOS
6. [1.1] NASCIMENTO, Wallas S. - DE ALMEIDA, Marcos M. - PRUDENTE, Frederico V. Information and quantum theories: an analysis in one-dimensional systems. In EUROPEAN JOURNAL OF PHYSICS. ISSN 0143-0807, 2020, vol. 41, no. 2, 025405., Registrované v: WOS
7. [1.1] OLENSKI, Oleg. Comparative analysis of electric field influence on the quantum wells with different boundary conditions I. Energy spectrum, quantum information entropy and polarization. In ANNALEN DER PHYSIK. ISSN 0003-3804, 2015, vol. 527, no. 3-4, pp. 278-295. Dostupné na: <https://doi.org/10.1002/andp.201400228>., Registrované v: WOS
8. [1.1] OLENSKI, Oleg. Quantum Information Measures of the One-Dimensional Robin Quantum Well. In ANNALEN DER PHYSIK. ISSN 0003-3804, 2018, vol. 530, no. 8, 1700324., Registrované v: WOS
9. [1.1] OLENSKI, Oleg. Renyi and Tsallis entropies of the Dirichlet and Neumann one-dimensional quantum wells. In INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY. ISSN 0020-7608, 2020, vol. 120, no. 12, e26220., Registrované v: WOS
10. [1.1] OLENSKI, O. Theory of the Robin quantum wall in a linear potential. I. Energy spectrum, polarization and quantum-information measures. In ANNALEN DER PHYSIK. ISSN 0003-3804, 2016, vol. 528, no. 11-12, pp. 865-881. Dostupné na: <https://doi.org/10.1002/andp.201600080>., Registrované v: WOS
11. [1.1] SOLAIMANI, M. - DONG, Shi-Hai. Quantum information entropies of multiple quantum well systems in fractional Schrodinger equations. In INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY. ISSN 0020-7608, 2019, e26113., Registrované v: WOS
12. [1.1] SOLAIMANI, M. - DONG, Shi-Hai. Quantum information entropies of multiple quantum well systems in fractional Schrodinger equations. In INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY. ISSN 0020-7608, 2020, vol. 120, no. 5, e26113., Registrované v: WOS
13. [1.1] YEPEZ, V. S. - SAGAR, R. P. - LAGUNA, H. G. Higher-Order Statistical Correlations and Mutual Information Among Particles in a Quantum Well. In FEW-BODY SYSTEMS. ISSN 0177-7963, 2017, vol. 58, no. 6, UNSP 158., Registrované v: WOS

ADCA779 MAJERNÍK, Vladimír - MAJERNÍKOVÁ, Eva - SHPYRKO, S. Uncertainty relations expressed by Shannon-like entropies. In *Central European Journal of Physics*, 2003, vol. 1, no. 3, p. 393-420. www.cesj.com.

Ohlasy:

1. [1.1] AGUIAR, V. - GUEDES, I. Shannon entropy, Fisher information and uncertainty relations for log-periodic oscillators. In *PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS*. ISSN 0378-4371, 2015, vol. 423, p. 72-79., Registrované v: WOS
2. [1.1] AHMAD, Khurshid - KHAN, Muhammad Adil - KHAN, Shahid - ALI, Amjad - CHU, Yu-Ming. New estimates for generalized Shannon and Zipf-Mandelbrot entropies via convexity results. In *RESULTS IN PHYSICS*. ISSN 2211-3797, 2020, vol. 18, 103305., Registrované v: WOS
3. [1.1] CHEN, Li-Ping - KOU, Kit Ian - LIU, Ming-Sheng. Pitt s inequality and the uncertainty principle associated with the quaternion Fourier transform. In *JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS*. ISSN 0022-247X, 2015, vol. 423, no. 1, pp. 681-700., Registrované v: WOS
4. [1.1] KOU, Kit Ian - OU, Jianyu - MORAIS, Joao. Uncertainty principles associated with quaternionic linear canonical transforms. In *MATHEMATICAL METHODS IN THE APPLIED SCIENCES*. ISSN 0170-4214, 2016, vol. 39, no. 10, p. 2722-2736., Registrované v: WOS
5. [1.1] KOU, Kit Ian - YANG, Yan - ZOU, Cuiming. Uncertainty principle for measurable sets and signal recovery in quaternion domains. In *MATHEMATICAL METHODS IN THE APPLIED SCIENCES*. ISSN 0170-4214, 2017, vol. 40, no. 11, pp. 3892-3900., Registrované v: WOS
6. [1.1] MACEDO, D. X. - GUEDES, I. Fisher information and Shannon entropy of position-dependent mass oscillators. In *PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS*. ISSN 0378-4371, 2015, vol. 434, p. 211-219., Registrované v: WOS
7. [1.1] YANG, Yan - DANG, Pei - QIAN, Tao. Stronger uncertainty principles for hypercomplex signals. In *COMPLEX VARIABLES AND ELLIPTIC EQUATIONS*. ISSN 1747-6933, 2015, vol. 60, no. 12, p. 1696-1711., Registrované v: WOS
8. [1.1] YANG, Yan - DANG, Pei - QIAN, Tao. Tighter Uncertainty Principles Based on Quaternion Fourier Transform. In *ADVANCES IN APPLIED CLIFFORD ALGEBRAS*. ISSN 0188-7009, 2016, vol. 26, no. 1, p. 479-497., Registrované v: WOS
9. [1.1] YANG, Yan - KOU, Kit Ian. Novel uncertainty principles associated with 2D quaternion Fourier transforms. In *INTEGRAL TRANSFORMS AND SPECIAL FUNCTIONS*. ISSN 1065-2469, 2016, vol. 27, no. 3, p. 213-226., Registrované v: WOS

ADCA780 MAJERNÍKOVÁ, Eva - MAJERNÍK, Vladimír - SHPYRKO, S. Entropic uncertainty measure for fluctuations in two-level electron-phonon models. In *European Physical Journal B*, 2004, vol. 38, no. 1, p. 25-35. (2004 - Current Contents, SCOPUS). ISSN 1434-6028. Dostupné na: <https://doi.org/10.1140/epjb/e2004-00095-y>

Ohlasy:

1. [1.1] ABDALLA, M. Sebawe - OBADA, A. S.F. - KHALIL, E. M. -

AHMED, M. M. A. Entanglement of Degenerate and Nondegenerate Parametric Amplifiers Interacting with a Single Two-Level Atom. In JOURNAL OF RUSSIAN LASER RESEARCH. ISSN 1071-2836, 2015, vol. 36, no. 2, pp. 119-134., Registrované v: WOS

2. [1.1] ABDALLA, M. Sebawe - AHMED, M. M. A. - KHALIL, E. M. - OBADA, A. S.F. The interaction between a single two-level atom coupled to an N-level quantum system through three couplings. In ANNALS OF PHYSICS. ISSN 0003-4916, 2016, vol. 364, no., pp. 168-181., Registrované v: WOS

3. [1.1] ABDALLA, M. Sebawe - KHALIL, E. M. - OBADA, A. S-F. Interaction between two SU (1,1) quantum systems and a two-level atom. In PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS. ISSN 0378-4371, 2016, vol. 454, no., pp. 99-109., Registrované v: WOS

4. [1.1] ABDALLA, M. Sebawe - AHMED, M. M. A. - RABEA, R. N. Nonclassical Properties for Two Coupled N-Two-Level Atom and a Single Two-Level Atom Under an External Magnetic Field. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2016, vol. 55, no. 6, pp. 2722-2734., Registrované v: WOS

5. [1.1] ABDALLA, M. Sebawe - KHALIL, E. M. - OBADA, A. S.F. - PERINA, J. - KREPELKA, J. Linear entropy and squeezing of the interaction between two quantum system described by su (1,1) and su(2) Lie group in presence of two external terms. In AIP ADVANCES. ISSN 2158-3226, 2017, vol. 7, no. 1, art. no. 015013., Registrované v: WOS

6. [1.1] ALI, S. I. Some Statistical Properties for Interacting Between a Two Two-Level Atoms and the Electromagnetic Fields in Present of Converter Terms. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2016, vol. 55, no. 1, pp. 161-175., Registrované v: WOS

7. [1.1] ROMERA, E. - CALIXTO, M. Uncertainty relations and topological-band insulator transitions in 2D gapped Dirac materials. In JOURNAL OF PHYSICS-CONDENSED MATTER. ISSN 0953-8984, 2015, vol. 27, no. 17, 175003., Registrované v: WOS

ADCA781 MAJERNÍKOVÁ, Eva - SHPYRKO, S. Incipience of quantum chaos in the Jahn-Teller model. In *Physical Review E*, 2006, vol. 73, no. 6, 066215. (2005: 2.418 - IF, Q1 - JCR, 1.204 - SJR, Q1 - SJR, Current Contents - CCC). (2006 - Current Contents, WOS, SCOPUS). ISSN 2470-0045. Dostupné na: <https://doi.org/10.1103/PhysRevE.73.066215>

Ohlasy:

1. [1.1] MARCHUKOV, Oleksandr V. - FEDOROV, Dmitri V. - JENSEN, Aksel S. - VOLOSNIIEV, Artem G. - ZINNER, Nikolaj T. Repulsively interacting fermions in a two-dimensional deformed trap with spin-orbit coupling. In EUROPEAN PHYSICAL JOURNAL D. ISSN 1434-6060, 2015, vol. 69, no. 3, 73., Registrované v: WOS

ADCA782 MAJERNÍKOVÁ, Eva - SHPYRKO, S. Nonlinear effects in Ex (b₁+b₂) Jahn-Teller model: variational approach with excited phonon states and mode correlations. In *Journal of Physics: Condensed Matter*, 2003, vol. 15, no. 13, p. 2137-2153. (2002: 1.775 - IF, Current Contents - CCC). (2003 - Current Contents, SCOPUS). ISSN 0953-8984. Dostupné na: <https://doi.org/10.1016/j.cplett.2015.06.075>

Ohlasy:

1. [1.1] ENGLMAN, R. Analysis of a two dimensional molecular Berry phase system. In CHEMICAL PHYSICS LETTERS. ISSN 0009-2614, 2015, vol. 635, pp. 224-227., Registrované v: WOS
2. [1.1] GUL, Y. Synchronization of networked Jahn-Teller systems in SQUIDS. in INTERNATIONAL JOURNAL OF MODERN PHYSICS B, 2016, vol. 30, 1650125., Registrované v: WOS

ADCA783 MAJERNÍKOVÁ, Eva - SHPYRKO, S. Quantum chaotic patterns in the $E \times (b_1 + b_2)$ Jahn-Teller model. In *Physical Review E*, 2006, vol. 73, no. 5, 057202. (2005: 2.418 - IF, Q1 - JCR, 1.204 - SJR, Q1 - SJR, Current Contents - CCC). (2006 - Current Contents, WOS, SCOPUS). ISSN 2470-0045. Dostupné na: <https://doi.org/10.1103/PhysRevE.73.057202>

Ohlasy:

1. [1.1] GUL, Yusuf. Synchronization of networked Jahn-Teller systems in SQUIDS. In INTERNATIONAL JOURNAL OF MODERN PHYSICS B. ISSN 0217-9792, 2016, vol. 30, no. 20, 1650125., Registrované v: WOS
2. [1.1] MARCHUKOV, Oleksandr V. - FEDOROV, Dmitri V. - JENSEN, Aksel S. - VOLOSNIIEV, Artem G. - ZINNER, Nikolaj T. Repulsively interacting fermions in a two-dimensional deformed trap with spin-orbit coupling. In EUROPEAN PHYSICAL JOURNAL D. ISSN 1434-6060, 2015, vol. 69, no. 3, 73., Registrované v: WOS

ADCA784 MAJKOVÁ, Eva - LUBY, Štefan - JERGEL, Matej - CHUSHKIN, Jurij - D'ANNA, E. - LUCHES, A. - MARINO, M. - MENGUCCI, P. - MAJNI, G. - KUWASAWA, Y. - OKAYASU, S. Intermixing at interfaces of KrF laser irradiated Co/W multilayers. In *Applied Surface Science*, 2003, vol. 208, no. 1, p. 394-398. ISSN 0169-4332. Dostupné na: [https://doi.org/10.1016/S0169-4332\(02\)01416-2](https://doi.org/10.1016/S0169-4332(02)01416-2)

Ohlasy:

1. [1.1] KELLY, B. G. - LOETHER, A. - UNRUH, K. M. - DECAMP, M. F. - DICHARA, A. D. X-ray diffraction study of laser-driven solid-state diffusional mixing and new phase formation in Ni-Pt multilayers. In PHYSICAL REVIEW B. ISSN 2469-9950, 2017, vol. 95, no. 6, 064301., Registrované v: WOS
2. [1.1] QI, Runze - HUANG, Qiushi - YANG, Yang - ZHANG, Zhong - WANG, Zhanshan. Development of depth-graded W/Si multilayer mirrors for X-ray focusing telescope application. In EUV AND X-RAY OPTICS: SYNERGY BETWEEN LABORATORY AND SPACE V. ISSN 0277-786X, 2017, vol. 10235, UNSP 102350G., Registrované v: WOS
3. [1.1] QI, Runze - HUANG, Qiushi - YANG, Yang - ZHANG, Zhong - WANG, Zhanshan. Stress and Microstructure Study of W/Si X-ray Multilayers with Different Structural Parameters. In JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY. ISSN 1533-4880, 2019, vol. 19, no. 1, pp. 568-574., Registrované v: WOS

ADCA785 MAJKOVÁ, Eva - CHUSHKIN, Y. - JERGEL, Matej - LUBY, Štefan - HOLÝ, V. - MATKO, Igor - CHENEVIER, B. - TOTH, L. - HATANO, T. - YAMAMOTO, M. Nanometer-scale period Sc/Cr multilayer mirrors and their thermal stability. In *Thin Solid Films : international journal on the science and technology of Thin and Thick Films*, 2006, vol. 497, no. 1-2, p. 115-120. (2005:

1.569 - IF, Q1 - JCR, 1.179 - SJR, Q1 - SJR, Current Contents - CCC). (2006 - Current Contents). ISSN 0040-6090. Dostupné na: <https://doi.org/10.1016/j.tsf.2005.10.051>

Ohlasy:

1. [1.1] JIANG, Hui - HUA, Wenqiang - TIAN, Naxi - LI, Aiguo - LI, Xiuhong - HE, Yumei - ZHANG, Zengyan. In situ GISAXS study on the temperature-dependent performance of multilayer monochromators from the liquid nitrogen cooling temperature to 600 degrees C. In *APPLIED SURFACE SCIENCE*. ISSN 0169-4332, 2020, vol. 508, 144838., Registrované v: WOS
2. [1.1] JIANG, Hui - WANG, Hua - ZHU, Jingtao - XUE, Chaofan - ZHANG, Jiayi - TIAN, Naxi - LI, Aiguo. Thickness-dependent structural characteristics for a sputtering-deposited chromium monolayer and Cr/C and Cr/Sc multilayers. In *JOURNAL OF SYNCHROTRON RADIATION*. ISSN 1600-5775, 2018, vol. 25, pp. 785-792., Registrované v: WOS
3. [1.1] LI, Pin - HUANG, Qiushi - JIANG, Li - LI, Wenbin - FEI, Jiani - ZHU, Jie - ZHANG, Zhong - WANG, Zhanshan. Structure and depth profile composition analysis of Cr/(B4C)/V/(B4C) multilayer for water window application. In *VACUUM*. ISSN 0042-207X, 2016, vol. 128, pp. 85-90., Registrované v: WOS
4. [1.1] LOKASANI, Ragava - LONG, Elaine - MAGUIRE, Oisín - SHERIDAN, Paul - HAYDEN, Patrick - O'NEILL, Fergal - DUNNE, Pádraig - SOKELL, Emma - ENDO, Akira - LIMPOUCH, Jiri - O'SULLIVAN, Gerry. XUV spectra of 2nd transition row elements: identification of 3d-4p and 3d-4f transition arrays. In *JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS*. ISSN 0953-4075, 2015, vol. 48, no. 24, 245009., Registrované v: WOS
5. [1.1] YI, Qiang - HUANG, Qiushi - ZHANG, Jinshuai - WANG, Xiangmei - QI, Runze - ZHANG, Zhong - XU, Rongkun - PENG, Taiping - JONNARD, Philippe - GIGLIA, Angelo - WANG, Zhanshan. Thermal and temporal stability of V/Sc multilayer mirror for the soft X-ray water window region. In *VACUUM*. ISSN 0042-207X, 2017, vol. 146, pp. 187-193., Registrované v: WOS

ADCA786 MAJKOVÁ, Eva - ŠIFFALOVIČ, Peter - CHITU, Livia - JERTEL, Matej - LUBY, Štefan - TIMMANN, A. - ROTH, S.V. - ŠATKA, A. - KECKES, J. - MAIER, G.A. Real-time tracking of nanoparticle self-assembling using GISAXS. In *Superlattices and Microstructures*, 2009, vol. 46, no. 1-2, p. 286-290. ISSN 0749-6036. Dostupné na: <https://doi.org/10.1016/j.spmi.2008.10.038>

Ohlasy:

1. [1.1] ZHANG, Datong - LU, Chenguang - HU, Jiayang - LEE, Seung Whan - YE, Fan - HERMAN, Irving P. Small Angle X-ray Scattering of Iron Oxide Nanoparticle Monolayers Formed on a Liquid Surface. In *JOURNAL OF PHYSICAL CHEMISTRY C*. ISSN 1932-7447, 2015, vol. 119, no. 19, pp. 10727-10733., Registrované v: WOS

ADCA787 MAJKOVÁ, Eva - LUBY, Štefan - JERTEL, Matej - VONLOHNEYSSEN, H. - STRUNK, C. - GEORGE, B. Superconductivity and critical fields in amorphous tungsten silicon multilayers. In *Physica Status Solidi A : applications and materials science*, 1994, vol. 145, no. 2, p. 509-519. (1993: 0.570 - IF, Current Contents -

CCC). (1994 - Current Contents). ISSN 1862-6300. Dostupné na:
<https://doi.org/10.1002/pssa.2211450235>

Ohlasy:

1. [1.1] LAU, Yong-Chang - AKIYAMA, Ryota - HIROSE, Hishiro T. - NAKANISHI, Ryosuke - TERASHIMA, Taichi - UJI, Shinya - HASEGAWA, Shuji - HAYASHI, Masamitsu. Concomitance of superconducting spin-orbit scattering length and normal state spin diffusion length in W on (Bi,Sb)(2)Te-3. In JOURNAL OF PHYSICS-MATERIALS, 2020, vol. 3, no. 3, 034001., Registrované v: WOS

ADCA788 MAJKOVÁ, Eva - DUHAJ, Pavol. XPS Study of Co-Fe-B Metallic Glasses. In *Physica Status Solidi B. Basic Research*, 1998, vol. 146, no. 1, p. K17-K20. (1997: 0.826 - IF, Current Contents - CCC). (1998 - Current Contents, WOS, SCOPUS). ISSN 0370-1972.

Ohlasy:

1. [1.1] BULAVIN, Leonid A. - KARBIVSKYY, Volodymyr - ARTEMYUK, Viktor - KARBIVSKA, Love. Relaxation and Vitrification Processes of Disordered Iron Based Systems. In MODERN PROBLEMS OF MOLECULAR PHYSICS. ISSN 0930-8989, 2018, vol. 197, pp. 331-372., Registrované v: WOS

ADCA789 MALAKHOV, A.I. - AFANASIEV, S.V. - ANISIMOV, Yu.S. - ARTIOMOV, A.S. - BAZILEV, S.N. - KHRENOV, A.N. - KLIMAN, Ján - KRASNOV, V.A. - MATOUŠEK, Vladislav - MORHÁČ, Miroslav - STARIKOV, A.Yu. - SHABUNOV, A.V. - SLEPNEV, V.M. - TURZO, Ivan. Potentialities of the internal target station at the Nuclotron. In *Nuclear Instruments and Methods in Physics Research A. Accelerators, Spectrometers, Detectors and Associated Equipment*, 2000, vol. 440, no. 2, p. 320-329. (1999: 0.921 - IF, Current Contents - CCC). (2000 - Current Contents, SCOPUS). ISSN 0168-9002. Dostupné na:
[https://doi.org/10.1016/S0168-9002\(99\)00966-3](https://doi.org/10.1016/S0168-9002(99)00966-3)

Ohlasy:

1. [1.1] ARTIOMOV, A. S. Methods for Organizing the Interaction of Circulating Particle Beams with Internal Targets in Nuclear Physics Experiments at Synchrotrons and Storage Rings. In PHYSICS OF PARTICLES AND NUCLEI. ISSN 1063-7796, 2017, vol. 48, no. 3, pp. 455-487., Registrované v: WOS
2. [1.1] JANEK, Marian - LADYGIN, Vladimir P. - PIYADIN, Semen M. - et al. Investigation of the dp Breakup and dp Elastic Reactions at Intermediate Energies at Nuclotron. In FEW-BODY SYSTEMS. ISSN 0177-7963, 2017, vol. 58, no. 2, UNSP 40., Registrované v: WOS
3. [1.1] JANEK, Marian - LADYGIN, Vladimir Petrovich - PIYADIN, Semen Mikhailovich. Properties of detectors used in dp breakup experiment investigated at intermediate energies. In 13TH INTERNATIONAL CONFERENCE ON ELEKTRO (ELEKTRO 2020), 2020, vol., no., pp., Registrované v: WOS
4. [1.1] JANEK, M. - LADYGIN, V. P. - GURCHIN, Yu V. - et al. Dp breakup reaction investigation using polarized and unpolarized deuteron beam. In XVII WORKSHOP ON HIGH ENERGY SPIN PHYSICS (DSPIN-2017). ISSN 1742-6588, 2018, vol. 938, UNSP 012005., Registrované v: WOS
5. [1.1] JANEK, M. - LADYGIN, V. P. - PIYADIN, S. M. - GURCHIN,

- Yu. V. - ISUPOV, A. Yu. - KARACHUK, J. T. - KHRENOV, A. N. - KURILKIN, A. K. - KURILKIN, P. K. - LIVANOV, A. N. - MARTINSKA, G. - REZNIKOV, S. G. - TARJANYIOVA, G. - TEREKHIN, A. A. Calibration Procedure of the Delta E-E Detectors for dp Breakup Investigation at Nuclotron. In PHYSICS OF PARTICLES AND NUCLEI LETTERS. ISSN 1547-4771, 2018, vol. 15, no. 1, pp. 76-82., Registrované v: WOS
6. [1.1] LADYGIN, V. P. - AVERYANOV, A. V. - CHERNYKH, E. V. - et al. First results on the energy scan of the vector $A(y)$ and tensor $A(yy)$ and $A(xx)$ analyzing powers in deuteron-proton elastic scattering at Nuclotron. In XVII WORKSHOP ON HIGH ENERGY SPIN PHYSICS (DSPIN-2017). ISSN 1742-6588, 2018, vol. 938, UNSP 012007., Registrované v: WOS
7. [1.1] SKHOMENKO, Ya T. - LADYGIN, V. P. - GURCHIN, Yu V. - et al. Measurement of the deuteron beam polarization at internal target at Nuclotron for DSS experiment. In XVII WORKSHOP ON HIGH ENERGY SPIN PHYSICS (DSPIN-2017). ISSN 1742-6588, 2018, vol. 938, UNSP 012022., Registrované v: WOS
8. [1.1] TEREKHIN, A. A. - LADYGIN, V. P. - GURCHIN, Yu. V. - ISUPOV, A. Yu. - KURILKIN, A. K. - KURILKIN, P. K. - LADYGINA, N. B. - PIYADIN, S. M. - REZNIKOV, S. G. - KHRENOV, A. N. Differential Cross Section for Elastic Deuteron-Proton Scattering at the Energy of 700 MeV per Nucleon. In PHYSICS OF ATOMIC NUCLEI. ISSN 1063-7788, 2017, vol. 80, no. 6, pp. 1061-1072., Registrované v: WOS
9. [1.1] TEREKHIN, A. A. - LADYGIN, V. P. - GURCHIN, Yu. V. - ISUPOV, A. Yu. - JANEK, M. - KHRENOV, A. N. - KURILKIN, A. K. - KURILKIN, P. K. - LADYGINA, N. B. - PIYADIN, S. M. - REZNIKOV, S. G. The differential cross section in deuteron-proton elastic scattering at 500, 750 and 900 MeV/nucleon. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2019, vol. 55, no. 8, 129., Registrované v: WOS

ADCA790 MALKOC, O. - STANO, Peter - LOSS, D. Optimal geometry of lateral GaAs and Si/SiGe quantum dots for electrical control of spin qubits. In *Physical Review B*, 2016, vol. 93, no. 23, art. no. 235413. (2015: 3.718 - IF, Q1 - JCR, 2.377 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.93.235413>

Ohlasy:

1. [1.1] AMITONOV, Sergey V. - SPRUIJTENBURG, Paul C. - VERVOORT, Max W. S. - VAN DER WIEL, Wilfred G. - ZWANENBURG, Floris A. Depletion-mode quantum dots in intrinsic silicon. In APPLIED PHYSICS LETTERS. ISSN 0003-6951, 2018, vol. 112, no. 2, 023102., Registrované v: WOS
2. [1.1] BENITO, M. - CROOT, X. - ADELSBERGER, C. - PUTZ, S. - MI, X. - PETTA, J. R. - BURKARD, Guido. Electric-field control and noise protection of the flopping-mode spin qubit. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 100, no. 12, 125430., Registrované v: WOS
3. [1.1] MILADIC, Suzana - STIPSIC, Pavle - DOBARDZIC, Edib - MILIVOJEVIC, Marko. Electrical control of a spin qubit in InSb nanowire quantum dots: Strongly suppressed spin relaxation in high magnetic field. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 101, no. 15, 155307., Registrované v: WOS
4. [1.1] MILIVOJEVIC, Marko. Symmetric spin-orbit interaction in

triple quantum dot and minimisation of spin-orbit leakage in CNOT gate. In JOURNAL OF PHYSICS-CONDENSED MATTER. ISSN 0953-8984, 2018, vol. 30, no. 8, 085302., Registrované v: WOS

5. [1.1] SALA, Arnau - DANON, Jeroen. Leakage and dephasing in Si-28-based exchange-only spin qubits. In PHYSICAL REVIEW B. ISSN 2469-9950, 2018, vol. 98, no. 24, 245409., Registrované v: WOS

6. [1.1] STIPSIC, Pavle - MILIVOJEVIC, Marko. Control of a spin qubit in a lateral GaAs quantum dot based on symmetry of gating potential. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 101, no. 16, 165302., Registrované v: WOS

7. [1.1] TSHIPA, Moletlanyi. Diamagnetic susceptibility and optical properties of a spherical quantum dot: effects of the parabolic and the shifted parabolic potentials. In OPTICAL AND QUANTUM ELECTRONICS. ISSN 0306-8919, 2019, vol. 51, no. 7, 225., Registrované v: WOS

8. [1.1] WU, Shudong - CHENG, Liwen - YU, Huaguang - WANG, Qiang. Gate control of quantum dot-based electron spin-orbit qubits. In PHYSICS LETTERS A. ISSN 0375-9601, 2018, vol. 382, no. 29, pp. 1922-1932., Registrované v: WOS

ADCA791 MAMALIS, A.G. - HRISTOFOROU, E. - MANOLAKOS, D.E. - ŠVEC, Peter - PRIKHNA, T. - THEODORAKOPOULOS, J.D. - KOUZILOS, G. Explosive compaction and synthesis of MgB₂ superconductor using the powder in tube technique. In *Journal of Optoelectronics and Advanced Materials*, 2008. Vol. 10, no. 5, p. 1000-1004. ISSN 1454-4164.

Ohlasy:

1. [1.1] MAMNIASHVILI, G. - DARASELIA, D. - JAPARIDZE, D. - PEIKRISHVILI, A. - GODIBADZE, B. Liquid-Phase Shock-Assisted Consolidation of Superconducting MgB₂ Composites. In JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM. ISSN 1557-1939, 2015, vol. 28, no. 7, pp. 1925., Registrované v: WOS

ADCA792 MANIRAJ, M. - RAI, A. - BARMAN, S.R. - KRAJČÍ, Marián - SCHLAGEL, D.L. - LOGRASSO, T.A. - HORN, K. Unoccupied electronic states of icosahedral Al-Pd-Mn-quasicrystals: Evidence of image potential resonance and pseudogap. In *Physical Review B*, 2014, vol. 90, 115407. (2013: 3.664 - IF, Q1 - JCR, 2.804 - SJR, Q3 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.90.115407>

Ohlasy:

1. [1.1] HOEFER, Ulrich - ECHENIQUE, Pedro M. Resolubility of image-potential resonances. In SURFACE SCIENCE. ISSN 0039-6028, 2016, vol. 643, no., pp. 203-209., Registrované v: WOS

ADCA793 MARAKATTI, Vijaykumar S. - SARMA, Saurav Ch. - SARKAR, Shreya - KRAJČÍ, Marián - GAIGNEAUX, Eric M. - PETER, Sebastian C.**. Synthetically Tuned Pd-Based Intermetallic Compounds and their Structural Influence on the O₂ Dissociation in Benzylamine Oxidation. In *ACS Applied Materials & Interfaces*, 2019, vol. 11, no. 41, p. 37602-37616. (2018: 8.456 - IF, Q1 - JCR, 2.596 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 1944-8244. Dostupné na: <https://doi.org/10.1021/acsami.9b11318>

Ohlasy:

1. [1.1] ZHAO, Chuanchuan - GAO, Yongjun - ZHANG, Ziyi - MA, Ding. Functions of Phytic Acid in Fabricating Metal-Free Carbocatalyst for Oxidative Coupling of Benzylamines. In CHINESE JOURNAL OF CHEMISTRY. ISSN 1001-604X, 2020, vol. 38, no. 11, pp. 1292-1298., Registrované v: WOS

ADCA794 MARCIN, Jozef - KLINDA, A. - ŠVEC, Peter Jr. - PRASLIČKA, D. - BLAŽEK, J. - KOVÁČ, Jozef - ŠVEC, Peter - ŠKORVÁNEK, Ivan. Melt-spun Fe-Co-B-Cu alloys with high magnetic flux density for relax-type magnetometers. In *IEEE Transactions on Magnetics*, 2010, vol. 46, no. 2, p. 416-419. (2009: 1.061 - IF, Q2 - JCR, 0.735 - SJR, Q1 - SJR, Current Contents - CCC). (2010 - Current Contents). ISSN 0018-9464. Dostupné na: <https://doi.org/10.1109/TMAG.2009.2033815>

Ohlasy:

1. [1.1] HAN, Y. - DING, J. - KONG, F. L. - INOUE, A. - ZHU, S. L. - WANG, Z. - SHALAN, E. - AL-MARZOUKI, F. FeCo-based soft magnetic alloys with high B-s approaching 1.75 T and good bending ductility. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2017, vol. 691, pp. 364-368., Registrované v: WOS
2. [1.1] LIPOVSKY, P. - FIL'KO, M. - DRAGANOVA, K. - HESKO, F. - NOVOTNAK, J. - SZOKE, Z. - MOUCHA, V. Magnetic Microwire Sensors for RTD Magnetometer Suitable for Small UAVs. In 2020 NEW TRENDS IN AVIATION DEVELOPMENT (NTAD), 2020, vol., no., pp. 151-154. Dostupné na: <https://doi.org/10.1109/NTAD51447.2020.9379123>., Registrované v: WOS
3. [1.1] ONODERA, Reisho - KIMURA, Shojiro - WATANABE, Kazuo - YOKOYAMA, Yoshihiko - MAKINO, Akihiro - KOYAMA, Keiichi. Nucleation control for fine nano crystallization of Fe-based amorphous alloy by high-magnetic-field annealing. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2015, vol. 637, pp. 213-218., Registrované v: WOS

ADCA795 MARKOŠ, Peter - SCHWEITZER, L. Critical regime of two-dimensional Ando model: relation between critical conductance and fractal dimension of electronic eigenstates. In *Journal of Physics A*, 2006, vol. 39, no. 13, p. 3221-3230. (2005: 1.566 - IF, 1.044 - SJR, Q1 - SJR, Current Contents - CCC). (2006 - Current Contents, WOS, SCOPUS). ISSN 1751-8113. Dostupné na: <https://doi.org/10.1088/0305-4470/39/13/003>

Ohlasy:

1. [1.1] DE QUEIROZ, Sergio L. A. Spin-dependent conductance statistics in systems with spin-orbit coupling. In EUROPEAN PHYSICAL JOURNAL B. ISSN 1434-6028, 2020, vol. 93, no. 3, 41., Registrované v: WOS
2. [1.1] CHEN, Weiwei - WANG, C. - SHI, Qinwei - LI, Qunxiang - WANG, X. R. Metal to marginal-metal transition in two-dimensional ferromagnetic electron gases. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 100, no. 21, 214201., Registrované v: WOS
3. [1.1] KANNO, Takuya - MATSUMOTO, Takuya - ICHIMURA, Koichi - MATSUURA, Toru - TANDA, Satoshi. Chiral Unitary Quantum Phase Transition in 2H-FexTaSe2. In JOURNAL OF LOW TEMPERATURE PHYSICS. ISSN 0022-2291, 2016, vol. 183, no. 1-2, pp. 41-49., Registrované v:

WOS

4. [1.1] KANNO, T. - MATSUMOTO, T. - ICHIMURA, K. - MATSUURA, T. - TANDA, S. Metal-insulator transition in iron doped 2H-TaSe₂: Suggestion of chiral unitary localization. In *PHYSICA B-CONDENSED MATTER*. ISSN 0921-4526, 2015, vol. 460, pp. 165., Registrované v: WOS
5. [1.1] PAKDEL, Sahar - PALACIOS, J. J. Surface-dominated conductivity of few-layered antimonene. In *2D MATERIALS*. ISSN 2053-1583, 2020, vol. 7, no. 2, 021001., Registrované v: WOS
6. [1.1] SEILER, Patrick - ZABALETA, Jone - WANKE, Robin - MANNHART, Jochen - KOPP, Thilo - BRAAK, Daniel. Antilocalization at an oxide interface. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2018, vol. 97, no. 7, 075136., Registrované v: WOS
7. [1.1] TAKANE, Yositake. Finite-Size Scaling Analysis of the Conductivity of Dirac Electrons on a Surface of Disordered Topological Insulators. In *JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN*. ISSN 0031-9015, 2016, vol. 85, no. 9, 094715., Registrované v: WOS
8. [1.1] WANG, C. - WANG, X. R. Anderson transition of two-dimensional spinful electrons in the Gaussian unitary ensemble. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2017, vol. 96, no. 10, 104204., Registrované v: WOS

ADCA796 MARKOŠ, Peter - SCHWEITZER, L. Critical conductance of two-dimensional chiral systems with random magnetic flux. In *Physical Review B*, 2007, vol. 76, no. 11, 115318. Dostupné na: <https://doi.org/10.1103/PhysRevB.76.115318>

Ohlasy:

1. [1.1] KANNO, Takuya - MATSUMOTO, Takuya - ICHIMURA, Koichi - MATSUURA, Toru - TANDA, Satoshi. Chiral Unitary Quantum Phase Transition in 2H-FexTaSe₂. In *JOURNAL OF LOW TEMPERATURE PHYSICS*. ISSN 0022-2291, 2016, vol. 183, no. 1-2, pp. 41-49., Registrované v: WOS
2. [1.1] KANNO, T. - MATSUMOTO, T. - ICHIMURA, K. - MATSUURA, T. - TANDA, S. Metal-insulator transition in iron doped 2H-TaSe₂: Suggestion of chiral unitary localization. In *PHYSICA B-CONDENSED MATTER*. ISSN 0921-4526, 2015, vol. 460, pp. 165., Registrované v: WOS
3. [1.1] MALLA, Rajesh K. - RAIKH, M. E. Shape of the zeroth Landau level in graphene with nondiagonal disorder. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2019, vol. 99, no. 8, 085415., Registrované v: WOS

ADCA797 MARKOŠ, Peter. Electronic transport in strongly anisotropic disordered systems: Model for the random matrix theory with noninteger beta. In *Physical Review B*, 2002, vol. 65 no. 9, 092202. (2001: 3.070 - IF, Current Contents - CCC). (2002 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.65.092202>

Ohlasy:

1. [1.1] MARTINEZ-ARGUELLO, A. M. - MENDEZ-BERMUDEZ, J. A. - MARTINEZ-MARES, M. Phenomenological approach to transport through

three-terminal disordered wires. In *PHYSICAL REVIEW E*. ISSN 2470-0045, 2019, vol. 99, no. 6, 062202., Registrované v: WOS

ADCA798 MARKOŠ, Peter - SOUKOULIS, C.M. Intensity distribution of scalar waves propagating in random media. In *Physical Review B*, 2005, vol. 71, no. 5, 054201. (2004: 3.075 - IF, Current Contents - CCC). (2005 - Current Contents). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.71.054201>

Ohlasy:

1. [1.1] FROUFE-PEREZ, Luis S. - ENGEL, Michael - DAMASCENO, Pablo F. - MULLER, Nicolas - HABERKO, Jakub - GLOTZER, Sharon C. - SCHEFFOLD, Frank. Role of Short-Range Order and Hyperuniformity in the Formation of Band Gaps in Disordered Photonic Materials. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2016, vol. 117, no. 5, 053902., Registrované v: WOS
2. [1.1] GHULINYAN, Mher - PAVESI, Lorenzo. LIGHT LOCALISATION AND LASING Random and Quasi-Random Photonic Structures Preface. In *LIGHT LOCALISATION AND LASING: RANDOM AND QUASI-RANDOM PHOTONIC STRUCTURES*, 2015, pp. XI., Registrované v: WOS

ADCA799 MARKOŠ, Peter. Metal-insulator transition in the three-dimensional Anderson model:. In *Journal of Physics A: Mathematical and Theoretical*, 2000, vol. 33, no. 42, p. L393-L398. ISSN 1751-8113. Dostupné na: <https://doi.org/10.1088/0305-4470/33/42/103>

Ohlasy:

1. [1.1] EKUMA, C. E. - MOORE, C. - TERLETSKA, H. - TAM, K.M. - MORENO, J. - JARRELL, M. - VIDHYADHIRAJA, N. S. Finite-cluster typical medium theory for disordered electronic systems. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2015, vol. 92, no. 1, 014209., Registrované v: WOS

ADCA800 MARKOŠ, Peter - SOUKOULIS, C.M. Numerical studies of left-handed materials and arrays of split ring resonators. In *Physical Review E*, 2002, vol. 65, no. 3, 036622. (2001: 2.235 - IF, Current Contents - CCC). (2002 - Current Contents). ISSN 2470-0045. Dostupné na: <https://doi.org/10.1103/PhysRevE.65.036622>

Ohlasy:

1. [1.1] BUDNAROWSKA, Magdalena - MIZERACZYK, Jerzy - STUDANSKI, Ryszard - BISEWSKI, Damian. Simulation studies of the electromagnetic properties of a planar metamaterial SRR-dielectric substrate structure in the microwave range. In *PRZEGLAD ELEKTROTECHNICZNY*. ISSN 0033-2097, 2019, vol. 95, no. 10, pp. 166-168., Registrované v: WOS
2. [1.1] BURIK, I. A. - ZHURBA, V. O. - VOROBJOV, G. S. - KULIZHKO, V. R. - KONONOV, O. K. - RYBALKO, Oleksandr. Metamaterials: Theory, Classification and Application Strategies (Review). In *JOURNAL OF NANO- AND ELECTRONIC PHYSICS*. ISSN 2077-6772, 2016, vol. 8, no. 4, 04088., Registrované v: WOS
3. [1.1] DONG, Lei - WANG, Li-Feng - HUANG, Qing-An. Enhancing the Readout of Passive Wireless Sensors by Using Left-handed Metamaterials. In *2016 IEEE SENSORS*. ISSN 1930-0395, 2016., Registrované v: WOS
4. [1.1] DONG, Lei - WANG, Li-Feng - HUANG, Qing-An. Applying

- Metamaterial-Based Repeater in LC Passive Wireless Sensors to Enhance Readout. In IEEE SENSORS JOURNAL. ISSN 1530-437X, 2018, vol. 18, no. 4, pp. 1755-1760., Registrované v: WOS
5. [1.1] FECKAN, M. - POSPISIL, M. - SUSANTO, H. Bifurcation of travelling waves in implicit nonlinear lattices: applications in metamaterials. In APPLICABLE ANALYSIS. ISSN 0003-6811, 2017, vol. 96, no. 4, pp. 578-589., Registrované v: WOS
 6. [1.1] GAO, Peng - AI, Jingjing - KANG, Yongqiang - ZHANG, Chunmin. Realization of the ultrawideband negative index metamaterials by its multiple-band. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS. ISSN 0740-3224, 2016, vol. 33, no. 3, pp. 474-478., Registrované v: WOS
 7. [1.1] GHOLIPUR, R. - BAHARI, A. Preparation and characterization silver/zirconium nickel oxide nanocomposites with negative electromagnetic parameters. In OPTICS AND LASER TECHNOLOGY. 2017, vol. 91, pp. 166-174., Registrované v: WOC
 8. [1.1] HAN, Jianning - TANG, Shuai. Realization of complex curved waveguide based on local resonant 3D metamaterial. In AIP ADVANCES. ISSN 2158-3226, 2018, vol. 8, no. 12, 125327., Registrované v: WOS
 9. [1.1] HAN, Jianning - TANG, Shuai. Acoustic propagation characteristics of heteromorphic metamaterials. In AIP ADVANCES. ISSN 2158-3226, 2018, vol. 8, no. 10, 105305., Registrované v: WOS
 10. [1.1] HE ZHENG-RUI - GENG YOU-LIN. Design and analysis of a new type of wideband low-loss and small size left-handed materials. In ACTA PHYSICA SINICA. ISSN 1000-3290, 2016, vol. 65, no. 9, 094101., Registrované v: WOS
 11. [1.1] IRSHAD, Kouser - NAQVI, Qaisar Abbas. Analysis of a metafilm in non-integer dimensional space. In OPTIK. ISSN 0030-4026, 2020, vol. 202, 163498., Registrované v: WOS
 12. [1.1] JUAREZ-REYES, Lucila - LUIS MOCHAN, W. Magnetic Response of Metamaterials. In PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS. ISSN 0370-1972, 2018, vol. 255, no. 4, 1700495., Registrované v: WOS
 13. [1.1] MAHMOOD, Ahmed - YETKIN, Golge Ogucu - SABAH, Cumali. Design and Fabrication of a Novel Wideband DNG Metamaterial with the Absorber Application in Microwave X-Band. In ADVANCES IN CONDENSED MATTER PHYSICS. ISSN 1687-8108, 2017, 1279849., Registrované v: WOS
 14. [1.1] PAL, Sarika - PRAJAPATI, Y. K. - SAINI, J. P. - SINGH, Vivek. Sensitivity enhancement of metamaterial-based surface plasmon resonance biosensor for near infrared. In OPTICA APPLICATA. ISSN 0078-5466, 2016, vol. 46, no. 1, pp. 131-143., Registrované v: WOS
 15. [1.1] SHI, Jun - XU, Zhixia - YIN, Xiaoxing. Broadband-rejection filter topology with a reflectionless feature inspired by the orthogonal distribution of gradual-changing artificial transmission structures. In APPLIED PHYSICS EXPRESS. ISSN 1882-0778, 2019, vol. 12, no. 7, 074501., Registrované v: WOS
 16. [1.1] TANG, Shuai - HAN, Jianning. Acoustic Propagation Characteristics of Metamaterials With Tubular Structures. In IEEE ACCESS. ISSN 2169-3536, 2018, vol. 6, pp. 72900-72905., Registrované v: WOS

17. [1.1] XU, Zhixia - ZHAO, Hongxin - YIN, Xiaoxing. New filter topology with a reflectionless feature based on slow-wave structures loaded with resonator arrays. In JAPANESE JOURNAL OF APPLIED PHYSICS. ISSN 0021-4922, 2019, vol. 58, no. 3, 030913., Registrované v: WOS
18. [1.1] ZHAO, Guozhi - BI, Shihua. Design and verification of double band negative refraction metamaterial. In CHEMICAL PHYSICS LETTERS. ISSN 0009-2614, 2019, vol. 725, pp. 92-96., Registrované v: WOS
19. [1.1] ZHAO, Sheng-Dong - WANG, Yue-Sheng. Negative refraction and imaging of acoustic waves in a two-dimensional square chiral lattice structure. In COMPTES RENDUS PHYSIQUE. ISSN 1631-0705, 2016, vol. 17, no. 5, pp. 533-542., Registrované v: WOS

ADCA801 MARKOŠ, Peter. Phenomenological theory of the metal-insulator transition. In *Journal of Physics: Condensed Matter*, 1995, vol. 7, no. 44, p. 8361-8375. (1994: 1.562 - IF, Current Contents - CCC). (1995 - Current Contents, WOS, SCOPUS). ISSN 0953-8984.

Ohlasy:

1. [1.1] SUSLOV, I. M. General form of DMPK Equation. In JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS. ISSN 1063-7761, 2018, vol. 127, no. 1, pp. 131-142., Registrované v: WOS

ADCA802 MARKOŠ, Peter. Probability distribution of the conductance at the mobility edge. In *Physical Review Letters*, 1999, vol. 83, no. 3, p. 588-591. (1998: 6.017 - IF, Current Contents - CCC). (1999 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Ohlasy:

1. [1.1] BONDI, Robert J. - FOX, Brian P. - MARINELLA, Matthew J. Role of atomistic structure in the stochastic nature of conductivity in substoichiometric tantalum pentoxide. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2016, vol. 119, no. 12, 124101., Registrované v: WOS
2. [1.1] EKUMA, C. E. - DOBROSAVLJEVIC, V. - GUNLYCKE, D. First-Principles-Based Method for Electron Localization: Application to Monolayer Hexagonal Boron Nitride. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2017, vol. 118, no. 10., Registrované v: WOS
3. [1.1] GHULINYAN, Mher - PAVESI, Lorenzo. LIGHT LOCALISATION AND LASING Random and Quasi-Random Photonic Structures Preface. In LIGHT LOCALISATION AND LASING: RANDOM AND QUASI-RANDOM PHOTONIC STRUCTURES, 2015, pp. XI., Registrované v: WOS
4. [1.1] CHENG, Xiaojun - TIAN, Chushun - LOWELL, Zachary - ZHAO, Liyi - GENACK, Azriel Z. Impact of surface reflection on transmission eigenvalue statistics and energy distributions inside random media. In EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS. ISSN 1951-6355, 2017, vol. 226, no. 7, pp. 1539-1548., Registrované v: WOS
5. [1.1] SHI, Zhou - DAVY, Matthieu - GENACK, Azriel Z. Statistics and control of waves in disordered media. In OPTICS EXPRESS. ISSN 1094-4087, 2015, vol. 23, no. 9, pp. 12293., Registrované v: WOS
6. [1.1] SKIPETROV, S. E. Localization of light in a three-dimensional disordered crystal of atoms. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 102, no. 13, 134206., Registrované v: WOS

7. [1.1] SUSLOV, I. M. Conductance distribution near the Anderson transition. In JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS. ISSN 1063-7761, 2017, vol. 124, no. 5, pp. 763-778., Registrované v: WOS
8. [1.1] TOMSOVIC, Steven - LAKSHMINARAYAN, Arul - SRIVASTAVA, Shashi C. L. - BAECKER, Arnd. Eigenstate entanglement between quantum chaotic subsystems: Universal transitions and power laws in the entanglement spectrum. In PHYSICAL REVIEW E. ISSN 2470-0045, 2018, vol. 98, no. 3, 032209., Registrované v: WOS

ADCA803 MARKOŠ, Peter - KRAMER, B. Statistical properties of the Anderson transition- numerical results. In *Philosophical Magazine B*, 1993, vol. 68, no. 3, p. 357-379. Dostupné na: <https://doi.org/10.1080/13642819308215292>

Ohlasy:

1. [1.1] SKIPETROV, S. E. Localization of light in a three-dimensional disordered crystal of atoms. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 102, no. 13, 134206., Registrované v: WOS

ADCA804 MARKOŠ, Peter. The universality of the conductance distribution at the critical-point of the disorder-induced metal-insulator-transition. In *Europhysics Letters*, 1994, vol. 26, no. 6, p. 431-435. (1993: 2.780 - IF, Current Contents - CCC). (1994 - Current Contents). ISSN 0295-5075. Dostupné na: <https://doi.org/10.1209/0295-5075/26/6/006>

Ohlasy:

1. [1.1] AKRIDAS-MOREL, Panayotis - CHERRORET, Nicolas - DEIN, Dominique. Multifractality of the kicked rotor at the critical point of the Anderson transition. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 4, 043612., Registrované v: WOS

ADCA805 MARKOŠ, Peter - SOUKOULIS, C.M. Transmission studies of left-handed materials. In *Physical Review B*, 2002, vol. 65, no. 3, 033401. (2001: 3.070 - IF, Current Contents - CCC). (2002 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.65.033401>

Ohlasy:

1. [1.1] FECKAN, M. - POSPISIL, M. - SUSANTO, H. Bifurcation of travelling waves in implicit nonlinear lattices: applications in metamaterials. In APPLICABLE ANALYSIS. ISSN 0003-6811, 2017, vol. 96, no. 4, pp. 578-589., Registrované v: WOS
2. [1.1] GEVORGYAN, A. H. Absorption of 1D meta-liquids with continuum distribution of the refraction index. In OPTICAL MATERIALS. ISSN 0925-3467, 2020, vol. 100, 109649., Registrované v: WOS
3. [1.1] GEVORGYAN, A. H. - GHARAGULYAN, H. - MKHITARYAN, S. A. Peculiarities of band structure of one-dimensional photonic crystals. In OPTIK. ISSN 0030-4026, 2019, vol. 180, pp. 745-753., Registrované v: WOS
4. [1.1] GHOLIPUR, Reza - BAHARI, Ali. Preparation and characterization silver/zirconium nickel oxide nanocomposites with negative electromagnetic parameters. In OPTICS AND LASER TECHNOLOGY. ISSN 0030-3992, 2017, vol. 91, no., pp. 166-174., Registrované v: WOS
5. [1.1] MEJIA-SALAZAR, J. R. - PORRAS-MONTENEGRO, N.

Zero-(n)over-bar band gap in two-dimensional metamaterial photonic crystals. In SUPERLATTICES AND MICROSTRUCTURES. ISSN 0749-6036, 2015, vol. 80, pp. 118., Registrované v: WOS

6. [1.1] RYBIN, M. V. - LIMONOV, M. F. Resonance effects in photonic crystals and metamaterials (100th anniversary of the Ioffe Institute). In PHYSICS-USPEKHI. ISSN 1063-7869, 2019, vol. 62, no. 8, pp. 823-838., Registrované v: WOS

7. [1.1] YANG, Tian - LIU, Xiaoming - WANG, Chen - LIU, Zetan - SUN, Jingbo - ZHOU, Ji. Polarization conversion in terahertz planar metamaterial composed of split-ring resonators. In OPTICS COMMUNICATIONS. ISSN 0030-4018, 2020, vol. 472, 125897., Registrované v: WOS

8. [1.1] ZAREMANESH, Mansour - NOORI, Mina. Highly efficient subwavelength imaging in mid-IR range using high dielectric hexagonal lattice photonic crystals. In OPTICAL ENGINEERING. ISSN 0091-3286, 2019, vol. 58, no. 6, 067108., Registrované v: WOS

9. [1.1] ZHAO, Sheng-Dong - WANG, Yue-Sheng - ZHANG, Chuanzeng. Acoustic imaging and mirage effects with high transmittance in a periodically perforated metal slab. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2016, vol. 120, no. 19, 194901., Registrované v: WOS

ADCA806 MARKOŠ, Peter - ROUSOCHATZAKIS, I. - SOUKOULIS, C.M.

Transmission losses in left-handed materials. In *Physical Review E*, 2002, vol. 66, no. 4, 045601. (2001: 2.235 - IF, Current Contents - CCC). (2002 - Current Contents). ISSN 2470-0045.

Ohlasy:

1. [1.1] ALEKHINA, Tatiana Yu. - TYUKHTIN, Andrey V. Reversed Cherenkov-transition radiation in a waveguide partly filled with a left-handed medium. In RADIATION PHYSICS AND CHEMISTRY. ISSN 0969-806X, 2018, vol. 145, pp. 43-49., Registrované v: WOS

2. [1.1] GHOLIPUR, Reza - BAHARI, Ali. Preparation and characterization silver/zirconium nickel oxide nanocomposites with negative electromagnetic parameters. In OPTICS AND LASER TECHNOLOGY. ISSN 0030-3992, 2017, vol. 91, pp. 166-174., Registrované v: WOS

ADCA807 MARQUES, F.M. - MARTINEZ, G. - SCHUTZ, Y. - DIAZ, J. - FRANKE, M. - HLAVÁČ, Stanislav - HOLZMANN, R. - LAUTRIDOU, P. - LEFEVRE, F. - LOHNER, H. - MARIN, A. - MATULEWICZ, T. - MITTIG, W. - OSTENDORF, R.W. - VANPOL, J.H.G. - QUEBERT, J. - ROUSSELCHOMAZ, P. - SCHUBERT, A. - SIEMSEN, R.H. - SIMON, R.S. - SUJKOWSKI, Z. - WAGNER, V. Density oscillations in systems of colliding heavy-ions observed via hard-photon interferometry measurements. In *Physics Letters B*, 1995, vol. 349, no. 1-2, p. 30-34. (1994: 3.056 - IF, Current Contents - CCC). (1995 - Current Contents, SCOPUS). ISSN 0370-2693. Dostupné na: [https://doi.org/10.1016/0370-2693\(95\)00237-F](https://doi.org/10.1016/0370-2693(95)00237-F)

Ohlasy:

1. [1.1] WANG, S. S. - MA, Y. G. - CAO, X. G. - FANG, D. Q. - MA, C. W. Azimuthal anisotropy and multiplicities of hard photons and free nucleons in intermediate-energy heavy-ion collisions. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2020, vol. 56, no. 10, 254., Registrované v: WOS

2. [1.1] WANG, S. S. - MA, Y. G. - CAO, X. G. - FANG, D. Q. - MA, C. W. Hard-photon production and its correlation with intermediate-mass fragments in a framework of a quantum molecular dynamics model. In PHYSICAL REVIEW C. ISSN 0556-2813, 2020, vol. 102, no. 2, 024620., Registrované v: WOS

ADCA808 MARQUES, M. - OSTENDORF, R.W. - LAUTRIDOU, P. - LEFEVRE, F. - MATULEWICZ, T. - MITTIG, W. - ROUSSELCHOMAZ, P. - SCHUTZ, Y. - QUEBERT, J. - DIAZ, J. - MARIN, A. - MARTINEZ, G. - HOLZMANN, R. - HLAVÁČ, Stanislav - SCHUBERT, A. - SIMON, R.S. - WAGNER, W. Hard photon intensity interferometry in heavy-ion reactions. In *Physical Review Letters*, 1994, vol. 73, no. 1, p. 34-37. (1994 - Current Contents). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevC.92.014614>

Ohlasy:

1. [1.1] WEI, Gao-Feng. Probing the neutron-skin thickness by photon production from reactions induced by intermediate-energy protons. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 92, no. 1, 014614., Registrované v: WOS

ADCA809 MARTINEZ, G. - MARQUES, F.M. - SCHUTZ, Y. - WOLF, G. - DIAZ, J. - FRANKE, M. - HLAVÁČ, Stanislav - HOLZMANN, R. - LAUTRIDOU, P. - LEFEVRE, F. - LOHNER, H. - MARIN, A. - MATULEWICZ, T. - MITTIG, W. - OSTENDORF, R.W. - VANPOL, J.H.G. - QUEBERT, J. - ROUSSELCHOMAZ, P. - SCHUBERT, A. - SIEMSEN, R.H. - SIMON, R.S. - SUJKOWSKI, Z. Bremsstrahlung photons as a probe of hot nuclei. In *Physics Letters B*, 1995, vol. 349, no. 1-2, p. 23-29. (1994: 3.056 - IF, Current Contents - CCC). (1995 - Current Contents, SCOPUS). ISSN 0370-2693. Dostupné na: [https://doi.org/10.1016/0370-2693\(95\)00236-E](https://doi.org/10.1016/0370-2693(95)00236-E)

Ohlasy:

1. [1.1] KAFEXHIU, Ervin. Parametrization of the nucleus-nucleus gamma-ray production cross sections below 100 GeV/nucleon: Subthreshold pions and hard photons. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 6, 064603., Registrované v: WOS

2. [1.1] SHI, C. Z. - MA, Y. G. - CAO, X. G. - FANG, D. Q. - HE, W. B. - ZHONG, C. Direct photon emission and influence of dynamical wave packets in an extended quantum molecular dynamics model. In PHYSICAL REVIEW C. ISSN 0556-2813, 2020, vol. 102, no. 1, 014601., Registrované v: WOS

3. [1.1] WANG, S. S. - MA, Y. G. - CAO, X. G. - FANG, D. Q. - MA, C. W. Azimuthal anisotropy and multiplicities of hard photons and free nucleons in intermediate-energy heavy-ion collisions. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2020, vol. 56, no. 10, 254., Registrované v: WOS

4. [1.1] WANG, S. S. - MA, Y. G. - CAO, X. G. - FANG, D. Q. - MA, C. W. Hard-photon production and its correlation with intermediate-mass fragments in a framework of a quantum molecular dynamics model. In PHYSICAL REVIEW C. ISSN 0556-2813, 2020, vol. 102, no. 2, 024620., Registrované v: WOS

5. [1.1] ZHANG, Fan - LI, Cheng - WEN, Pei-Wei - LIU, Jian-Wei - ZHANG, Feng-Shou. Thermal bremsstrahlung photons probing the isospin

dependence of the nuclear temperatures. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2018, vol. 54, no. 10, 180., Registrované v: WOS
 6. [1.1] ZHANG, Fan - LI, Cheng - WEN, Pei-Wei - LIU, Jian-Wei - SU, Jun - ZHANG, Feng-Shou. Time dependence of the thermal-photon thermometer. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 2, 024603., Registrované v: WOS

ADCA810 MARTINEZ, G. - CHARBONNIER, Y. - APHECETCHE, L. - DELAGRANGE, H. - GUDIMA, K.K. - MATULEWICZ, L. - PLOSZAJCZAK, M. - SCHUTZ, Y. - TONEEV, V. - TURRISI, R. - APPENHEIMER, M. - METAG, V. - NOVOTNY, R. - STROHER, H. - WOLF, A.R. - WOLF, M. - WEISS, J. - AVERBECK, R. - HLAVÁČ, Stanislav - HOLZMANN, R. - LEFEVRE, F. - SIMON, R.S. - STRATMANN, R. - WISSMANN, F. - HOEFMAN, M. - VAN GOETHEM, M.J. - LOHNER, H. - OSTENDORF, R.W. - SIEMSEN, R.H. - VOGT, P. - WILSCHUT, H.W. - DIAZ, J. - MARIN, A. - KUGLER, A. - TLUSTY, P. - WAGNER, V. - DOPPENSCHMIDT, A. Deep-subthreshold eta and pi(0) production probing pion dynamics in the reaction Ar+Ca at 180A MeV. In *Physical Review Letters*, 1999, vol. 83, no. 8, p. 1538-1541. (1998: 6.017 - IF, Current Contents - CCC). (1999 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Ohlasy:

1. [1.1] CHEN, Jie - FENG, Zhao-Qing - CHEN, Peng-Hui - et al. In-medium and isospin effects on eta production in heavy-ion collisions near threshold energies. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2017, vol. 53, no. 6, 128., Registrované v: WOS
2. [1.1] KAFEXHIU, Ervin. Parametrization of the nucleus-nucleus gamma-ray production cross sections below 100 GeV/nucleon: Subthreshold pions and hard photons. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 6, 054901., Registrované v: WOS
3. [1.1] KUMAR, Rajesh - KUMAR, Arvind. eta mesons in hot and dense asymmetric nuclear matter. In PHYSICAL REVIEW C. ISSN 2469-9985, 2020, vol. 102, no. 6, 065207., Registrované v: WOS

ADCA811 MARTINEZ, G. - APHECETCHE, L. - CHARBONNIER, Y. - DELAGRANGE, H. - D'ENTERRIA, D. - MATULEWICZ, T. - SCHUTZ, Y. - TURRISI, R. - APPENHEIMER, M. - METAG, V. - NOVOTNY, R. - STROHER, H. - WOLF, A.R. - WEISS, J. - AVERBECK, R. - HLAVÁČ, Stanislav - HOLZMANN, R. - LEFEVRE, F. - SIMON, R.S. - STRATMANN, F. - WISSMANN, F. - HOEFMAN, M. Photon production in heavy-ion collisions close to the pion threshold. In *Physics Letters B*, 1999, vol. 461, no. 1-2, p. 28-33. (1998: 3.567 - IF, Current Contents - CCC). (1999 - Current Contents, WOS, SCOPUS). ISSN 0370-2693.

Ohlasy:

1. [1.1] WEI, Gao-Feng. Probing the neutron-skin thickness by photon production from reactions induced by intermediate-energy protons. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 92, no. 1, 014614., Registrované v: WOS
2. [1.1] XUE, Hui - XU, Chang - YONG, Gao-Chan - REN, Zhongzhou. Neutron-proton bremsstrahlung as a possible probe of high-momentum component in nucleon momentum distribution. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 755, pp. 486-490., Registrované v: WOS

3. [1.1] YONG, Gao-Chan - LI, Bao-An. Interplay of short-range correlations and nuclear symmetry energy in hard-photon production from heavy-ion reactions at Fermi energies. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2017, vol. 96, no. 6, 064614., Registrované v: WOS
4. [1.1] YONG, Gao-Chan. Constraining nucleon high momentum in nuclei. In *PHYSICS LETTERS B*. ISSN 0370-2693, 2017, vol. 765, pp. 104-108., Registrované v: WOS

ADCA812 MARTINOVIČ, Lubomír - LUBAN, M. Analytic solution of the microcausality problem in discretized light cone quantization. In *Physics Letters B*, 2005, vol. 605, no. 1-2, p. 203-213. (2004: 4.619 - IF, Current Contents - CCC). (2005 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2004.11.028>

Ohlasy:

1. [1.1] PRZESZOWSKI, Jerzy A. - ZOCHOWSKI, Jan. Light-Front Quantization with Explicit Lorentz Symmetry for Yukawa Model. In *FEW-BODY SYSTEMS*. ISSN 0177-7963, 2015, vol. 56, no. 6-9, pp. 579., Registrované v: WOS
2. [1.1] ZOCHOWSKI, Jan - PRZESZOWSKI, Jerzy A. Symmetries for Light-Front Quantization of Yukawa Model with Renormalization. In *FEW-BODY SYSTEMS*. ISSN 0177-7963, 2017, vol. 58, no. 6, UNSP 155., Registrované v: WOS

ADCA813 MARTINOVIČ, Lubomír - VARY, J.P. Fermionic zero modes and spontaneous symmetry breaking on the light front. In *Physical Review D*, 2001, vol. 64, p. 105016. (2000: 3.838 - IF, Current Contents - CCC). (2001 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.64.105016>

Ohlasy:

1. [1.1] HILLER, J. R. Nonperturbative light-front Hamiltonian methods. In *PROGRESS IN PARTICLE AND NUCLEAR PHYSICS*. ISSN 0146-6410, 2016, vol. 90, pp. 75-124., Registrované v: WOS

ADCA814 MARTINOVIČ, Lubomír. Gauge symmetry and the light-front vacuum structure. In *Physics Letters B*, 2001, vol. 509, p. 355-364. (2000: 4.213 - IF, Current Contents - CCC). (2001 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: [https://doi.org/10.1016/S0370-2693\(01\)00507-X](https://doi.org/10.1016/S0370-2693(01)00507-X)

Ohlasy:

1. [1.1] POLYZOU, W. N. - HERRMANN, Marc. The Light-Front Vacuum. In *FEW-BODY SYSTEMS*. ISSN 0177-7963, 2016, vol. 57, no. 6, pp. 479-484., Registrované v: WOS

ADCA815 MARTINOVIČ, Lubomír - DUBNIČKA, Stanislav. Hadronic part of the muon anomalous magnetic moment - an improved evaluation. In *Physical review D. Particle and fields*, 1990, vol. 42, no. 3, p. 884-892. ISSN 1550-7998.

Ohlasy:

1. [1.1] JEGERLEHNER, Friedrich. Hadronic Effects. In *ANOMALOUS MAGNETIC MOMENT OF THE MUON, 2ND EDITION*. ISSN 0081-3869, 2017, vol. 274, pp. 343-569., Registrované v: WOS
2. [1.1] LOGASHENKO, I. B. - EIDELMAN, S. I. Anomalous

magnetic moment of the muon. In PHYSICS-USPEKHI. ISSN 1063-7869, 2018, vol. 61, no. 5, pp. 480-510., Registrované v: WOS

ADCA816 MARTINOVIČ, Lubomír - GRANGÉ, P. Hamiltonian formulation of exactly solvable models and their physical vacuum states. In *Physics Letters B*, 2013, vol. 724, p. 310-315. (2012: 4.569 - IF, Q1 - JCR, 3.353 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2013.05.045>

Ohlasy:

1. [1.1] HILLER, J. R. Nonperturbative light-front Hamiltonian methods. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2016, vol. 90, pp. 75-124., Registrované v: WOS

ADCA817 MARTINOVIČ, Lubomír. More detailed properties of rho and phi mesons from QCD sum rules. In *Physical review D*, 1990, vol. 41 no. 5, p. 1709-1714. ISSN 1550-7998.

Ohlasy:

1. [1.1] WANG, Qi-Nan - ZHANG, Zhu-Feng - STEELE, T. G. - JIN, Hong-Ying - HUANG, Zhuo-Ran. A comprehensive revisit of the p meson with improved MonteCarlo based QCD sum rules. In CHINESE PHYSICS C. ISSN 1674-1137, 2017, vol. 41, no. 7, 074107., Registrované v: WOS

ADCA818 MARTINOVIČ, Lubomír. Non-trivial Fock vacuum of the light-front Schwinger model. In *Physics Letters B*, 1997, vol. 400, no. 3-4, p. 335-340. (1996: 3.670 - IF, Current Contents - CCC). (1997 - Current Contents, SCOPUS). ISSN 0370-2693.

Ohlasy:

1. [1.1] HILLER, J. R. Nonperturbative light-front Hamiltonian methods. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2016, vol. 90, pp. 75-124., Registrované v: WOS

ADCA819 MARTINOVIČ, Lubomír. Spontaneous symmetry breaking in light front field theory. In *Physical Review D*, 2008. Vol. 78, no. 10, 105009. ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.78.105009>

Ohlasy:

1. [1.1] BURKARDT, Matthias - CHABYSHEVA, Sophia S. - HILLER, John R. Two-dimensional light-front $\phi(4)$ theory in a symmetric polynomial basis. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 6, 065006., Registrované v: WOS
2. [1.1] HILLER, J. R. Nonperturbative light-front Hamiltonian methods. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2016, vol. 90, no., pp. 75-124., Registrované v: WOS
3. [1.1] HILLER, J. R. Symmetry Breaking in Light-Front $\phi(4)$ Theory. In FEW-BODY SYSTEMS. ISSN 0177-7963, 2017, vol. 58, no. 2, UNSP 43., Registrované v: WOS
4. [1.1] CHABYSHEVA, S. S. Light-Front $\phi(4)(1+1)$ Theory Using a Many-Boson Symmetric-Polynomial Basis. In FEW-BODY SYSTEMS. ISSN 0177-7963, 2016, vol. 57, no. 8, pp. 675-680., Registrované v: WOS
5. [1.1] CHRISTENSEN, Neil - HENDERSON, Joshua - PINTO, Santiago - RUSS, Cory. A first step towards effectively nonperturbative

scattering amplitudes in the perturbative regime. In JOURNAL OF PHYSICS COMMUNICATIONS. ISSN 2399-6528, 2018, vol. 2, no. 7, UNSP 075010., Registrované v: WOS

ADCA820 MARTINOVIČ, Lubomír - VARY, J.P. Theta vacuum of the bosonized massive light-front Schwinger model. In *Physics Letters B*, 1999, vol. 459, no. 1-3, p. 186-192. (1998: 3.567 - IF, Current Contents - CCC). (1999 - Current Contents, WOS, SCOPUS). ISSN 0370-2693.

Ohlasy:

1. [1.1] HILLER, J. R. Nonperturbative light-front Hamiltonian methods. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2016, vol. 90, pp. 75-124., Registrované v: WOS
2. [1.1] MORE, Jai - MISRA, Anuradha. Application of Coherent State Approach for the Cancellation of Infrared Divergences to All Orders in LFQED. In FEW-BODY SYSTEMS. ISSN 0177-7963, 2015, vol. 56, no. 6-9, pp. 551., Registrované v: WOS

ADCA821 MARTINOVIČ, Lubomír** - DOROKHOV, Alexander. Vacuum loops in light-front field theory. In *Physics Letters B : Nuclear, Elementary Particle and High-Energy Physics*, 2020, vol. 811, no. 13, 135925. (2019: 4.384 - IF, Q1 - JCR, 1.795 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na:

<https://doi.org/10.1016/j.physletb.2020.135925>

Ohlasy:

1. [1.1] CHABYSHEVA, Sophia S. - HILLER, John R. Transitioning from equal-time to light-front quantization in $\phi(4)(2)$ theory. In PHYSICAL REVIEW D. ISSN 2470-0010, 2020, vol. 102, no. 11, 116010., Registrované v: WOS

ADCA822 MAŤKO, Igor - ILLEKOVÁ, Emília - ŠVEC, Peter - DUHAJ, Pavol.

Crystallization characteristics in the Fe-Si-B glassy ribbon system. In *Materials Science and Engineering A*, 1997, vol. 225, no. 1-2, p. 145-152. (1996: 0.852 - IF, Current Contents - CCC). (1997 - Current Contents, WOS, SCOPUS). ISSN 0921-5093.

Ohlasy:

1. [1.1] ALAM, Talukder - BORKAR, Tushar - JOSHI, Sameehan S. - KATAKAM, Shravan - CHEN, X. - DAHOTRE, Narendra B. - RAMANUJAN, Raju V. - BANERJEE, Rajarshi. Influence of niobium on laser de-vitrification of Fe-Si-B based amorphous magnetic alloys. In JOURNAL OF NON-CRYSTALLINE SOLIDS. ISSN 0022-3093, 2015, vol. 428, pp. 75-81., Registrované v: WOS
2. [1.1] KUMAR, Anil - KUMAR, Rahul - BIJALWAN, Pavan - DUTTA, Monojit - BANERJEE, Atanu - LAHA, Tapas. Fe-based amorphous/nanocrystalline composite coating by plasma spraying: Effect of heat input on morphology, phase evolution and mechanical properties. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2019, vol. 771, pp. 827-837., Registrované v: WOS
3. [1.1] LARIMIAN, T. - CHAUDHARY, V - CHRISTUDASJUSTUS, J. - RAMANUJAN, R. - GUPTA, R. - BORKAR, T. Bulk-nano spark plasma sintered Fe-Si-B-Cu-Nb based magnetic alloys. In INTERMETALLICS. ISSN

0966-9795, 2020, vol. 124, 106869., Registrované v: WOS

4. [1.1] RADON, Adrian - WLODARCZYK, Patryk - HAWELEK, Lukasz - KADZIOLKA-GAWEL, Mariola - GEBARA, Piotr - NOWOSIELSKI, Ryszard - BABILAS, Rafal. Thermodynamic approach for determining chemical composition of Fe-Co based amorphous alloys with high thermal stability and glass forming ability. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2018, vol. 763, pp. 141-152., Registrované v: WOS

ADCA823 MAŤKO, Igor - ILLEKOVÁ, Emília - ŠVEC, Peter - DUHAJ, Pavol - CSOMOROVÁ, Katarína. Local ordering model in Fe-Si-B amorphous alloys. In *Materials Science and Engineering A*, 1997, vol. 226, p. 280-284. (1996: 0.852 - IF, Current Contents - CCC). (1997 - Current Contents, WOS, SCOPUS). ISSN 0921-5093.

Ohlasy:

1. [1.1] JANG, H. - LEE, H.O. - KIM, H.G. Effects of Crystallization on the Corrosion and Passivity of Amorphous Pd-Fe-Co-Si-B Alloys. In JOURNAL OF NANOMATERIALS. ISSN 1687-4110, 2017., Registrované v: WOS

2. [1.1] MA, H. J. - SHEN, K. C. - PAN, S. P. - ZHAO, J. - QIN, J. Y. - KIM, K. B. - WANG, W. M. Role of tri-capped triangular prism (TTP) polyhedra in formation and destabilization of Fe-Y-B glassy alloys. In JOURNAL OF NON-CRYSTALLINE SOLIDS. ISSN 0022-3093, 2015, vol. 425, pp. 67-73., Registrované v: WOS

3. [1.1] ZHOU, Shaoxiong - DONG, Bangshao - XIANG, Rui - ZHANG, Guangqiang - QIN, Jingyu - BIAN, Xiufang. Influence of clusters in melt on the subsequent glass-formation and crystallization of Fe-Si-B metallic glasses. In PROGRESS IN NATURAL SCIENCE-MATERIALS INTERNATIONAL. ISSN 1002-0071, 2015, vol. 25, no. 2, pp. 137-140., Registrované v: WOS

ADCA824 MAŤKO, Igor - ILLEKOVÁ, Emília - ŠVEC, Peter - ŠVEC, Peter Jr. - JANIČKOVIČ, Dušan - VODÁREK, V. Microstructural study of the crystallization of amorphous Fe-Sn-B ribbons. In *Journal of Alloys and Compounds*, 2014, vol. 615, s1, s462-S466. (2013: 2.726 - IF, Q1 - JCR, 1.064 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 0925-8388. Dostupné na: <https://doi.org/10.1016/j.jallcom.2013.12.026>

Ohlasy:

1. [1.1] MIGLIERINI, Marcel B. - DEKAN, Julius - CESNEK, Martin - JANOTOVA, Irena - SVEC, Peter - BUJDOS, Marek - KOHOUT, Jaroslav. Hyperfine interactions in Fe/Co-B-Sn amorphous alloys by Mossbauer spectrometry. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2020, vol. 500, 166417., Registrované v: WOS

ADCA825 MAŤKO, Igor** - ŠAUŠA, Ondrej - ČECHOVÁ, Katarína - NOVÁK, Ivan - ŠVAJDLENKOVÁ, Helena - BEREK, Dušan - PECZ, Michal. Porous carbon fibers prepared from cellulose: Characterization of microstructure and water sorption properties. In *Journal of Thermal Analysis and Calorimetry*, 2019, vol. 138, no. 3, p. 1997-2004. (2018: 2.471 - IF, Q2 - JCR, 0.634 - SJR, Q2 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 1388-6150. Dostupné na: <https://doi.org/10.1007/s10973-019-08696-6>

Ohlasy:

1. [1.1] LI, X.F. - LIN, B. - ZHENG, C. - LI, Z.M. - WANG, P. - LIU, G.C. Superoleophilic polyurethane sponge for highly efficient oil/water separation. In MATERIALS EXPRESS. ISSN 2158-5849, JUL 2020, vol. 10, no. 7, p. 1122-1126., Registrované v: WOS
2. [1.1] LUPASCU, T. - PETUHOV, O. - TIMBALIUC, N. - CIBOTARU, S. - ROTARU, A. Adsorption Capacity of Vitamin B(12) and Creatinine on Highly-Mesoporous Activated Carbons Obtained from Lignocellulosic Raw Materials. In MOLECULES. JUL 2020, vol. 25, no. 13, 3095., Registrované v: WOS

ADCA826 MAŤKO, Igor** - ŠAUŠA, Ondrej - ČECHOVÁ, Katarína - JESENÁK, Karol. Study of water in Ca-montmorillonite by thermal analysis and positron annihilation lifetime spectroscopy. In *Journal of Thermal Analysis and Calorimetry*, 2018, vol. 133, no. 1, p. 247 -254. (2017: 2.209 - IF, Q2 - JCR, 0.587 - SJR, Q2 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 1388-6150. Dostupné na: <https://doi.org/10.1007/s10973-018-7145-7>

Ohlasy:

1. [1.1] ZHANG, Liangliang - CAO, Jinzhen. Pyrolysis and its mechanism of organomontmorillonite (OMMT) influenced by different functional groups. In JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY. ISSN 1388-6150, 2019, vol. 137, no. 1, pp. 1-10., Registrované v: WOS

ADCA827 MEAIR, J. - STAŇO, Peter - JACQUOD, P. Measuring spin accumulations with current noise. In *Physical Review B*, 2011, vol. 84, no. 7, 073302. (2010: 3.774 - IF, Q1 - JCR, 3.318 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.84.073302>

Ohlasy:

1. [1.1] AFTERGOOD, Joshua - TAKEI, So. Noise in tunneling spin current across coupled quantum spin chains. In PHYSICAL REVIEW B. ISSN 2469-9950, 2018, vol. 97, no. 1, 014427., Registrované v: WOS
2. [1.1] AFTERGOOD, Joshua - TRIF, Mircea - TAKEI, So. Detecting spin current noise in quantum magnets with photons. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 99, no. 17, 174422., Registrované v: WOS
3. [1.1] ARAKAWA, Tomonori - SHIOGAI, Junichi - CIORGA, Mariusz - UTZ, Martin - SCHUH, Dieter - KOHDA, Makoto - NITTA, Junsaku - BOUGEARD, Dominique - WEISS, Dieter - ONO, Teruo - KOBAYASHI, Kensuke. Shot Noise Induced by Nonequilibrium Spin Accumulation. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 114, no. 1, 016601., Registrované v: WOS
4. [1.1] IWAKIRI, Shuichi - NIIMI, Yasuhiro - KOBAYASHI, Kensuke. Dynamics of pure spin current in high-frequency quantum regime. In APPLIED PHYSICS EXPRESS. ISSN 1882-0778, 2017, vol. 10, no. 5, 053001., Registrované v: WOS
5. [1.1] KHRAPAI, V. S. - NAGAEV, K. E. Current Noise Generated by Spin Imbalance in Presence of Spin Relaxation. In JETP LETTERS. ISSN 0021-3640, 2017, vol. 105, no. 1, pp. 18-20., Registrované v: WOS
6. [1.1] KUMAR, Ashutosh - NAGARAJAN, S. - SOPANEN, M. -

KUMAR, V. - SINGH, R. Temperature dependent 1/f noise characteristics of the Fe/GaN ferromagnetic Schottky barrier diode. In SEMICONDUCTOR SCIENCE AND TECHNOLOGY. ISSN 0268-1242, 2015, vol. 30, no. 10, 105022., Registrované v: WOS

7. [1.1] PIATRUSHA, S. U. - GINZBURG, L. V. - TIKHONOV, E. S. - SHOVKUN, D. V. - KOBLMUELLER, G. - BUBIS, A. V. - GREBENKO, A. K. - NASIBULIN, A. G. - KHRAPAI, V. S. Noise Insights into Electronic Transport. In JETP LETTERS. ISSN 0021-3640, 2018, vol. 108, no. 1, pp. 71-83., Registrované v: WOS

8. [1.1] PIATRUSHA, S. U. - KHRAPAI, V. S. Measuring electron energy distribution by current fluctuations. In 2017 INTERNATIONAL CONFERENCE ON NOISE AND FLUCTUATIONS (ICNF). ISSN 2575-5587, 2017., Registrované v: WOS

9. [1.1] TIKHONOV, E. S. - DENISOV, A. O. - PIATRUSHA, S. U. - KHRAPACH, I. N. - PEKOLA, J. P. - KARIMI, B. - JABDARAGHI, R. N. - KHRAPAI, V. S. Spatial and energy resolution of electronic states by shot noise. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 102, no. 8, 085417., Registrované v: WOS

10. [1.1] XUE, Hai-Bin - JIAO, Hu-Jun - LIANG, Jiu-Qing - LIU, Wu-Ming. Non-Markovian full counting statistics in quantum dot molecules. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2015, vol. 5, 8978., Registrované v: WOS

ADCA828 MEHMOOD, N. - VLASÁK, Gabriel - KUBEL, F. - TURTELLI, R.S. - GROESSINGER, R. - KRIEGISCH, M. - SASSIK, H. - ŠVEC, Peter.

Magnetostriction of rapidly quenched Fe-X (X=Al, Ga) ribbons as a function of the quenching rate. In *IEEE Transactions on Magnetics*, 2009, vol. 45, no. 10, p. 4128-4131. ISSN 0018-9464.

Ohlasy:

1. [1.1] HAN, Yongjun - WANG, Hui - ZHANG, Tianli - HE, Yangkun - JIANG, Chengbao. Giant magnetostriction in nanoheterogeneous Fe-Al alloys. In *APPLIED PHYSICS LETTERS*. ISSN 0003-6951, 2018, vol. 112, no. 8, 082402., Registrované v: WOS

2. [1.1] LIU, Hao - WANG, Hai-ou - CAO, Meng-xiong - TAN, Wei-shi - SHI, Yang-guang - XU, Feng - JIA, Quan-jie - HUANG, Yu-ying. Magnetostriction and microstructure of melt-spun Fe₇₇Ga₂₃ ribbons prepared with different wheel velocities. In *TRANSACTIONS OF NONFERROUS METALS SOCIETY OF CHINA*. ISSN 1003-6326, 2015, vol. 25, no. 1, pp. 122-128., Registrované v: WOS

3. [1.1] WU, Wei - LIU, Jinghua - JIANG, Chengbao. Tb solid solution and enhanced magnetostriction in Fe₈₃Ga₁₇ alloys. In *JOURNAL OF ALLOYS AND COMPOUNDS*. ISSN 0925-8388, 2015, vol. 622, pp. 379-383., Registrované v: WOS

ADCA829 MEHNEN, L. - ŠVEC, Peter - PFÜTZNER, Herbert - DUHAJ, Pavol.

Displacement sensor based on an amorphous bilayer including a magnetostrictive component. In *Journal of Magnetism and Magnetic Materials*, 2003, vol. 254-255, p. 627-629. (2002: 1.046 - IF, Current Contents - CCC). (2003 - Current Contents, WOS, SCOPUS). ISSN 0304-8853. Dostupné na: [https://doi.org/10.1016/S0304-8853\(02\)00923-X](https://doi.org/10.1016/S0304-8853(02)00923-X)

Ohlasy:

1. [1.1] SHU, Liang - GUO, Liang - WU, Gui-Chu - CHEN, Wei. Research of thermal protection characteristics for circuit breakers considering nonlinear electro-thermal-structural coupling. In *APPLIED THERMAL ENGINEERING*. ISSN 1359-4311, 2019, vol. 153, pp. 85-94., Registrované v: WOS
2. [1.1] TROJKOVA, Jana - ZIVOTSKY, Ondrej - HENDRYCH, Ales - MARKOV, Dmitry - DROBIKOVA, Klara. Magnetic Domain Patterns in Bilayered Ribbons Studied by Magnetic Force Microscopy and Magneto-Optical Kerr Microscopy. In *SCANNING*. ISSN 0161-0457, 2018, 8308460., Registrované v: WOS

ADCA830 MENG, T. - STAŇO, Peter - KLINOVAJA, J. - LOSS, D. Helical nuclear spin order in a strip of stripes in the quantum Hall regime. In *European Physical Journal B*, 2014, vol. 87, no. 9, 203. (2013: 1.463 - IF, Q3 - JCR, 0.727 - SJR, Q2 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1434-6028. Dostupné na: <https://doi.org/10.1140/epjb/e2014-50445-1>

Ohlasy:

1. [1.1] FUJI, Y. - LECHEMINANT, P. Non-Abelian $SU(N-1)$ -singlet fractional quantum Hall states from coupled wires. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2017, vol. 95, no. 12, 125130., Registrované v: WOS
2. [1.1] HAMA, Y. - FAUZI, M. H. - NEMOTO, K. - HIRAYAMA, Y. - EZAWA, Z. F. Dicke model for quantum Hall systems. In *NEW JOURNAL OF PHYSICS*. ISSN 1367-2630, 2016, vol. 18, 023027., Registrované v: WOS
3. [1.1] HUANG, Po-Hao - CHEN, Jyong-Hao - GOMES, Pedro R. S. - NEUPERT, Titus - CHAMON, Claudio - MUDRY, Christopher. Non-Abelian topological spin liquids from arrays of quantum wires or spin chains. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2016, vol. 93, no. 20, 205123., Registrované v: WOS
4. [1.1] IADECOLA, Thomas - NEUPERT, Titus - CHAMON, Claudio - MUDRY, Christopher. Wire constructions of Abelian topological phases in three or more dimensions. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2016, vol. 93, no. 19, 195136., Registrované v: WOS
5. [1.1] LEVIATAN, Eyal - MROSS, David F. Unification of parton and coupled-wire approaches to quantum magnetism in two dimensions. In *PHYSICAL REVIEW RESEARCH*, 2020, vol. 2, no. 4, 043437., Registrované v: WOS
6. [1.1] MENG, Tobias. Coupled-wire constructions: a Luttinger liquid approach to topology. In *EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS*. ISSN 1951-6355, 2020, vol. 229, no. 4, pp. 527-543., Registrované v: WOS
7. [1.1] PARK, Moon Jip - RAZA, Syed - GILBERT, Matthew J. - TEO, Jeffrey C. Y. Coupled wire models of interacting Dirac nodal superconductors. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2018, vol. 98, no. 18, 184514., Registrované v: WOS
8. [1.1] RAZA, Syed - SIROTA, Alexander - TEO, Jeffrey C. Y. From Dirac Semimetals to Topological Phases in Three Dimensions: A Coupled-Wire Construction. In *PHYSICAL REVIEW X*. ISSN 2160-3308, 2019, vol. 9, no. 1, 011039., Registrované v: WOS
9. [1.1] SAHOO, Sharmistha - ZHANG, Zhao - TEO, Jeffrey C. Y.

Coupled wire model of symmetric Majorana surfaces of topological superconductors. In PHYSICAL REVIEW B. ISSN 2469-9950, 2016, vol. 94, no. 16, 165142., Registrované v: WOS

10. [1.1] SIROTA, Alexander - SAHOO, Sharmistha - CHO, Gil Young - TEO, Jeffrey C. Y. Paired parton quantum Hall states: A coupled wire construction. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 99, no. 24, 245117., Registrované v: WOS

ADCA831 MEŠKO, M. - VRETENÁR, Viliam - KOTRUSZ, P. - HULMAN, Martin - ŠOLTÝS, Ján - SKÁKALOVÁ, V. Carbon nanowalls synthesis by means of atmospheric dcPECVD method. In *Physica Status Solidi B*, 2012, vol. 249, no. 12, p. 2625-2628. (2011: 1.316 - IF, Q3 - JCR, 0.931 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents). ISSN 0370-1972. Dostupné na: <https://doi.org/10.1002/pssb.201200144>

Ohlasy:

1. [1.1] BO, Zheng - WU, Shenghao - QIAN, Jiajing - PU, Haihui - CHEN, Junhong - YAN, Jianhua - CEN, Kefa. Interfacial charge transport behavior and thermal profiles of vertically oriented graphene-bridged supercapacitors. In PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS. ISSN 0370-1972, 2017, vol. 254, no. 6, 1600804., Registrované v: WOS

2. [1.1] BO, Zheng - YANG, Huachao - LV, Peng - QIAN, Jiajing - YU, Kehan - LU, Ganhua - WEI, Wei - YAN, Jianhua - CEN, Kefa. In PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS. OCT 2015, vol. 252, no. 10, p. 2236-2244., Registrované v: WOS

3. [1.1] JASEK, Ondrej - TOMAN, Jozef - JURMANOVA, Jana - SNIRER, Miroslav - KUDRLE, Vit - BURSÍKOVÁ, Vilma. Study of graphene layer growth on dielectric substrate in microwave plasma torch at atmospheric pressure. In DIAMOND AND RELATED MATERIALS. ISSN 0925-9635, 2020, vol. 105, 107798., Registrované v: WOS

4. [1.1] LI, Longfei - DONG, Yibo - GUO, Weiling - QIAN, Fengsong - XIONG, Fangzhu - FU, Yafei - DU, Zaifa - XU, Chen - SUN, Jie. High-responsivity photodetectors made of graphene nanowalls grown on Si. In APPLIED PHYSICS LETTERS. ISSN 0003-6951, 2019, vol. 115, no. 8, 081101., Registrované v: WOS

5. [1.1] LI, M.L. - LIU, D.H. - WEI, D.C. - SONG, X.F. - WEI, D.P. - WEE, A.T.S. Controllable Synthesis of Graphene by Plasma-Enhanced Chemical Vapor Deposition and Its Related Applications. In ADVANCED SCIENCE. NOV 2016, vol. 3, no. 11., Registrované v: WOS

6. [1.1] MICHNIAK, Pavol - MARTON, Marian - BEHUL, Miroslav - REDHAMMER, Robert - VANKO, Gabriel. ANALYSIS OF CARBON NANOWALLS PREPARED BY HOT FILAMENT CHEMICAL VAPOUR DEPOSITION. In NANOCON 2015: 7TH INTERNATIONAL CONFERENCE ON NANOMATERIALS RESEARCH & APPLICATION, 2015, pp. 143-148., Registrované v: WOS

7. [1.1] MISHIN, M. V. - PROTOPOPOVA, V. S. - ALEXANDROV, S. E. Plasmachemical synthesis in low-temperature atmospheric pressure plasma. In RUSSIAN JOURNAL OF GENERAL CHEMISTRY. ISSN 1070-3632, 2015, vol. 85, no. 5, pp. 1209., Registrované v: WOS

8. [1.1] VESEL, Alenka - ZAPLOTNIK, Rok - PRIMC, Gregor -

MOZETIC, Miran. Synthesis of Vertically Oriented Graphene Sheets or Carbon Nanowalls-Review and Challenges. In MATERIALS, 2019, vol. 12, no. 18, 2968., Registrované v: WOS

9. [1.1] ZOU, H. H. - BAI, H. - YU, J. H. - WANG, Y. - LIAO, Q. L. - NISHIMURA, K. - ZENG, L. M. - JIANG, N. Architecting graphene nanowalls on diamond powder surface. In COMPOSITES PART B-ENGINEERING. ISSN 1359-8368, 2015, vol. 73, pp. 57-60., Registrované v: WOS

ADCA832 MCHUGH, D. - ZIMAN, Mário - BUŽEK, Vladimír. Entanglement, purity, and energy: Two qubits versus two modes. In *Physical Review A*, 2006, vol. 74, no. 4, 042303. (2005: 2.997 - IF, Q1 - JCR, 1.394 - SJR, Q1 - SJR, Current Contents - CCC). (2006 - Current Contents, SCOPUS). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1142/S1230161216500074>

Ohlasy:

1. [1.1] GAVRILIK, A. M. - MISHCHENKO, Yu A. COMPOSITE FERMIONS AS DEFORMED OSCILLATORS: WAVEFUNCTIONS AND ENTANGLEMENT. In UKRAINIAN JOURNAL OF PHYSICS. ISSN 2071-0186, 2019, vol. 64, no. 12, pp. 1134-1142., Registrované v: WOS

2. [1.1] ISAR, Aurelian - MIHAESCU, Tatiana. Generation of quantum discord in two-mode Gaussian systems in a thermal reservoir. In EUROPEAN PHYSICAL JOURNAL D. ISSN 1434-6060, 2017, vol. 71, no. 6, 144., Registrované v: WOS

3. [1.1] ISAR, Aurelian. ASYMPTOTIC QUANTUM CORRELATIONS IN OPEN QUANTUM SYSTEMS. In PROCEEDINGS OF THE ROMANIAN ACADEMY SERIES A-MATHEMATICS PHYSICS TECHNICAL SCIENCES INFORMATION SCIENCE. ISSN 1454-9069, 2018, vol. 19, no. 2, pp. 337-344., Registrované v: WOS

4. [1.1] ISAR, Aurelian. DYNAMICS OF QUANTUM INTERFEROMETRIC POWER IN GAUSSIAN OPEN SYSTEMS. In ROMANIAN REPORTS IN PHYSICS. ISSN 1221-1451, 2018, vol. 70, no. 1, 103., Registrované v: WOS

5. [1.1] ISAR, Aurelian. Entanglement Generation in Two-Mode Gaussian Systems in a Thermal Environment. In OPEN SYSTEMS & INFORMATION DYNAMICS. ISSN 1230-1612, 2016, vol. 23, no. 1, 1650007., Registrované v: WOS

6. [1.1] LONG, Yumei - ZHANG, Xue - ZHENG, TaiYu. Entanglement and Gaussian Interference Power in the Dynamical Casimir Effect. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2020, vol. 59, no. 11, pp. 3574-3582., Registrované v: WOS

7. [1.1] MERDACI, Abdeldjalil - JELLAL, Ahmed - AL SAWALHA, Ayman - BAHAOU, Abdelhadi. Purity temperature dependency for coupled harmonic oscillator. In JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT. ISSN 1742-5468, 2018, 093101., Registrované v: WOS

8. [1.1] MIHAESCU, Tatiana - ISAR, Aurelian. Generation of Gaussian Quantum Discord of Two Bosonic Modes in a Thermal Environment. In TIM15-16 PHYSICS CONFERENCE. ISSN 0094-243X, 2017, vol. 1796, UNSP 020012., Registrované v: WOS

9. [1.1] MOMENKHAN, Faten A. - ABDEL-KHALEK, S. Fisher Information and Statistical Properties of Two Qubits in Two Modes of the

Gaussian Distribution. In JOURNAL OF RUSSIAN LASER RESEARCH. ISSN 1071-2836, 2018, vol. 39, no. 3, pp. 216-221., Registrované v: WOS

ADCA833 MIGLIERINI, M. - PROCHAZKA, V. - STANKOV, S. - ŠVEC, Peter - ZAJAC, M. - KOHOUT, J. - LANCOK, A. - JANIČKOVIČ, Dušan - ŠVEC, Peter Jr.. Crystallization kinetics of nanocrystalline alloys revealed by in situ nuclear forward scattering of synchrotron radiation. In *Physical Review B*, 2012, vol. 86, no. 2, 020202R. (2011: 3.691 - IF, Q1 - JCR, 3.326 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.86.020202>

Ohlasy:

1. [1.1] ZANG, B. - PARSONS, R. - ONODERA, K. - KISHIMOTO, H. - SHOJI, T. - KATO, A. - GARITAONANDIA, J. S. - LIU, A. C. Y. - SUZUKI, K. Nanostructural formation kinetics in an Fe₈₆B₁₄ soft magnetic alloy investigated by in situ transport measurements under isothermal conditions. In PHYSICAL REVIEW MATERIALS. ISSN 2475-9953, 2020, vol. 4, no. 3, 033404., Registrované v: WOS

ADCA834 MIGLIERINI, M. - TÓTH, I. - SEBERÍNI, M. - ILLEKOVÁ, Emília - IDZIKOWSKI, B. Structure and hyperfine interactions of melt-spun Fe₈₀Mo₇X₁₃ (X = Cu or Au) before and after transformation into nanocrystalline states. In *Journal of Physics: Condensed Matter*, 2002, vol. 14, no. 6, p. 1249-1260. (2001: 1.611 - IF, Current Contents - CCC). (2002 - Current Contents, WOS, SCOPUS). ISSN 0953-8984. Dostupné na: <https://doi.org/10.1088/0953-8984/14/6/312>

Ohlasy:

1. [1.1] HASIAK, Mariusz - LASZCZ, Amadeusz. Effect of Annealing on Magnetic and Mechanical Behaviors of NANOPERM-Type Alloys. In IEEE TRANSACTIONS ON MAGNETICS. ISSN 0018-9464, 2019, vol. 55, no. 2, 2001606., Registrované v: WOS

2. [1.1] HASIAK, M. - LASZCZ, A. - ZAK, A. - KALETA, J. Microstructure and Magnetic Properties of NANOPERM-Type Soft Magnetic Material. In ACTA PHYSICA POLONICA A. ISSN 0587-4246, 2019, vol. 135, no. 2, pp. 284-287., Registrované v: WOS

3. [1.1] MUSIAL, A. - SNIADOCKI, Z. - PIERUNEK, N. - IVANISENKO, Yu - WANG, D. - FAWHEY, M. H. - IDZIKOWSKI, B. Tuning of the magnetic properties of Hf₂Co₁₁B alloys through a combined high pressure torsion and annealing treatment. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2019, vol. 787, pp. 794-800., Registrované v: WOS

ADCA835 MIHALKOVIČ, Marek - WIDOM, M. Ab initio calculations of cohesive energies of Fe-based glass-forming alloys. In *Physical Review B*, 2004, vol. 70, no. 14, 144107. (2003: 2.962 - IF, Current Contents - CCC). (2004 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1088/0957-4484/26/44/444002>

Ohlasy:

1. [1.1] ALI, Kawsar - ARYA, A. - GHOSH, P. S. - DEY, G. K. A first principles study of cohesive, elastic and electronic properties of binary Fe-Zr intermetallics. In COMPUTATIONAL MATERIALS SCIENCE. ISSN

- 0927-0256, 2016, vol. 112, no., pp. 52-66., Registrované v: WOS
2. [1.1] FILONENKO, N. Yu - GALDINA, O. M. - KOCHENOV, A. Thermodynamic Functions of Fe₃B Borides. In PHYSICS AND CHEMISTRY OF SOLID STATE. ISSN 1729-4428, 2019, vol. 20, no. 2, pp. 139-143., Registrované v: WOS
 3. [1.1] GAO, M. C. - ZHANG, C. - GAO, P. - ZHANG, F. - OUYANG, L. Z. - WIDOM, M. - HAWK, J. A. Thermodynamics of concentrated solid solution alloys. In CURRENT OPINION IN SOLID STATE & MATERIALS SCIENCE. ISSN 1359-0286, 2017, vol. 21, no. 5, pp. 238-251., Registrované v: WOS
 4. [1.1] GORSSE, Stephane - COUZINIE, Jean-Philippe - MIRACLE, Daniel B. From high-entropy alloys to complex concentrated alloys. In COMPTES RENDUS PHYSIQUE. ISSN 1631-0705, 2018, vol. 19, no. 8, pp. 721-736., Registrované v: WOS
 5. [1.1] KUSNE, A. G. - KELLER, D. - ANDERSON, A. - ZABAN, A. - TAKEUCHI, I. High-throughput determination of structural phase diagram and constituent phases using GRENDL. In NANOTECHNOLOGY. ISSN 0957-4484, 2015, vol. 26, no. 44, 444002., Registrované v: WOS
 6. [1.1] MUTHAIAH, V. M. Suntharavel - MULA, Suhrit. Influence of Cr and Y Addition on Microstructure, Mechanical Properties, and Corrosion Resistance of SPSe Fe-Based Alloys. In METALLURGICAL AND MATERIALS TRANSACTIONS A-PHYSICAL METALLURGY AND MATERIALS SCIENCE. ISSN 1073-5623, 2018, vol. 49A, no. 3, pp. 990-1005., Registrované v: WOS
 7. [1.1] QUIRINALE, D. G. - RUSTAN, G. E. - KREYSSIG, A. - LAPIDUS, S. H. - KRAMER, M. J. - GOLDMAN, A. I. The solidification products of levitated Fe₈₃B₁₇ studied by high-energy x-ray diffraction. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2016, vol. 120, no. 17, 175104., Registrované v: WOS
 8. [1.1] SAENKO, I. - FABRICHNAYA, O. - UDOVSKY, A. New Thermodynamic Assessment of the Fe-Y System. In JOURNAL OF PHASE EQUILIBRIA AND DIFFUSION. ISSN 1547-7037, 2017, vol. 38, no. 5, pp. 684-699., Registrované v: WOS
 9. [1.1] WITUSIEWICZ, V. T. - BONDAR, A. A. - HECHT, U. - THEOFILATOS, A. - TSYGANENKO, N. - UTKIN, S. - TIKHONOVA, I. B. Experimental study and thermodynamic re-modelling of the constituent binaries and ternary B-Fe-Ti system. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2019, vol. 800, pp. 419-449., Registrované v: WOS
 10. [1.1] YU, Q. - WANG, X. D. - LOU, H. B. - CAO, Q. P. - JIANG, J. Z. Atomic packing in Fe-based metallic glasses. In ACTA MATERIALIA. ISSN 1359-6454, 2016, vol. 102, no., pp. 116-124., Registrované v: WOS
 11. [1.1] ZHAO XIANGJIN - LIU WEI - LIU LI - ZHANG TAO - PANG SHUIJIE - MA CHAOLI. Formation and Mechanical Properties of Zr-Nb-Cu-Ni-Al-Lu Bulk Glassy Alloys with Superior Glass-Forming Ability. In JOURNAL OF WUHAN UNIVERSITY OF TECHNOLOGY-MATERIALS SCIENCE EDITION. ISSN 1000-2413, 2016, vol. 31, no. 1, pp. 186-190., Registrované v: WOS

quasicrystal. In *Philosophical Magazine*, 2014, vol. 94, no. 14, p. 1529-1541. (2013: 1.427 - IF, Q1 - JCR, 0.902 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents). ISSN 1478-6435. Dostupné na: <https://doi.org/10.1080/14786435.2014.888499>

Ohlasy:

1. [1.1] PHAM, Joyce - MENG, Fanqiang - LYNN, Matthew. - MA, Tao - KREYSSIG, Andreas - KRAMER, Matthew J. - GOLDMAN, Alan I. - MILLER, Gordon J. From Quasicrystals to Crystals with Interpenetrating Icosahedra in Ca-Au-Al: In Situ Variable-Temperature Transformation. In JOURNAL OF THE AMERICAN CHEMICAL SOCIETY. ISSN 0002-7863, 2018, vol. 140, no. 4, pp. 1337-1347., Registrované v: WOS
2. [1.1] STEURER, Walter. Quasicrystals: What do we know? What do we want to know? What can we know? In ACTA CRYSTALLOGRAPHICA A-FOUNDATION AND ADVANCES. ISSN 2053-2733, 2018, vol. 74, pp. 1-11., Registrované v: WOS
3. [1.1] WANG, W. Z. - ZHOU, X. Z. - YANG, Z. Q. - QI, Y. - YE, H. Q. A decagonal quasicrystal with rhombic and hexagonal tiles decorated with icosahedral structural units. In IUCRJ. ISSN 2052-2525, 2020, vol. 7, pp. 535-541., Registrované v: WOS
4. [1.1] YANG, Zhiqing - ZHANG, Lifeng - CHISHOLM, Matthew F. - ZHOU, Xinzhe - YE, Hengqiang - PENNYCOOK, Stephen J. Precipitation of binary quasicrystals along dislocations. In NATURE COMMUNICATIONS. ISSN 2041-1723, 2018, vol. 9, 809., Registrované v: WOS

ADCA837 MIHALKOVIČ, Marek - ELHOR, H. - SUCK, J.B. Atomic dynamics in Al-Co alloys near the composition of the decagonal quasicrystal. In *Physical Review B*, 2001, vol. 63, no. 21, 214301. (2000: 3.065 - IF, Current Contents - CCC). (2001 - Current Contents, WOS, SCOPUS). ISSN 1550-235X.

Ohlasy:

1. [1.1] MEIER, M. - LEDIEU, J. - DE WEERD, M.C. - HUANG, Ying-Tzu - ABREU, G. J. P. - PUSSI, K. - DIEHL, R. D. - MAZET, T. - FOURNEE, V. - GAUDRY, E. Interplay between bulk atomic clusters and surface structure in complex intermetallic compounds: The case study of the Al₅Co₂(001) surface. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 91, no. 8, 085414., Registrované v: WOS

ADCA838 MIHALKOVIČ, Marek - HENLEY, C.L. Caged clusters in Al₁₁Ir₄: Structural transition and insulating phase. In *Physical Review B*, 2013, vol. 88, no. 6, 064201. (2012: 3.767 - IF, Q1 - JCR, 1.779 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.88.064201>

Ohlasy:

1. [1.1] IWASAKI, Yutaka - KITAHARA, Koichi - KIMURA, Kaoru. Anomalous effects of Cu-doping on structural and thermoelectric properties of the Al-Ir cubic quasicrystalline approximant. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2018, vol. 763, pp. 78-84., Registrované v: WOS
2. [1.1] IWASAKI, Yutaka - KITAHARA, Koichi - KIMURA, Kaoru. Experimental realization of a semiconducting quasicrystalline approximant in Al-Si-Ru system by band engineering. In PHYSICAL REVIEW MATERIALS.

ISSN 2475-9953, 2019, vol. 3, no. 6, pp., Registrované v: WOS

3. [1.1] IWASAKI, Yutaka - KITAHARA, Koichi - KIMURA, Kaoru. Vacancy Control and Enhancement of Thermoelectric Properties of Al-Ir Cubic Quasicrystalline Approximant via High-Pressure Synthesis. In MATERIALS TRANSACTIONS. ISSN 1345-9678, 2020, vol. 61, no. 11, pp. 2079-2082., Registrované v: WOS

4. [1.1] KITAHARA, Koichi - TAKAGIWA, Yoshiki - KIMURA, Kaoru. Semimetallic Band Structure and Cluster-Based Description of a Cubic Quasicrystalline Approximant in the Al-Cu-Ir System. In JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN. ISSN 0031-9015, 2015, vol. 84, no. 1, 014703., Registrované v: WOS

5. [1.1] KITAHARA, Koichi - TAKAGIWA, Yoshiki - KIMURA, Kaoru. Thermoelectric Properties of Quasicrystalline Approximant in Al-Cu-Ir System. In JOURNAL OF THE JAPAN INSTITUTE OF METALS AND MATERIALS. ISSN 0021-4876, 2018, vol. 82, no. 6, pp. 188-196., Registrované v: WOS

6. [1.1] KITAHARA, Koichi - TAKAGIWA, Yoshiki - KIMURA, Kaoru. Thermoelectric Properties of Quasicrystalline Approximant in Al-Cu-Ir System. In MATERIALS TRANSACTIONS. ISSN 1345-9678, 2019, vol. 60, no. 12, pp. 2490-2498., Registrované v: WOS

7. [1.1] NISHIMOTO, Kazue - YAMAGUCHI, Natsumi - TAMURA, Ryuji. A new superlattice structure in the Al_{2.75}Ir and Al_{2.63}Rh 1/0 approximants. In 13TH INTERNATIONAL CONFERENCE ON QUASICRYSTALS (ICQ13). ISSN 1742-6588, 2017, vol. 809, UNSP 012010., Registrované v: WOS

8. [1.1] PAN, Y. - WEN, M. - WANG, L. - WANG, X. - LIN, Y. H. - GUAN, W. M. Iridium concentration driving the mechanical properties of iridium-aluminum compounds. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2015, vol. 648, pp. 771., Registrované v: WOS

9. [1.1] PETERSON, Gordon G. C. - YANNELLO, Vincent J. - FREDRICKSON, Daniel C. Inducing Complexity in Intermetallics through Electron-Hole Matching: The Structure of Fe₁₄Pd₁₇Al₆₉. In ANGEWANDTE CHEMIE-INTERNATIONAL EDITION. ISSN 1433-7851, 2017, vol. 56, no. 34, pp. 10145-10150., Registrované v: WOS

10. [1.1] TAKAHASHI, Takahiro - KITAHARA, Koichi - KATSURA, Yukari - OKADA, Junpei - MATSUSHITA, Yu-ichiro - KIMURA, Kaoru. Search for the boron quasicrystal by first-principle-calculation. In SOLID STATE SCIENCES. ISSN 1293-2558, 2020, vol. 108, 106377., Registrované v: WOS

ADCA839 MIHALKOVIČ, Marek - WIDOM, M. Canonical cell model of cadmium-based icosahedral alloys. In *Philosophical Magazine*, 2006, vol. 86, no. 3-5, p. 519-527. (2005: 1.470 - IF, Q1 - JCR, 1.086 - SJR, Q1 - SJR). ISSN 1478-6435. Dostupné na: <https://doi.org/10.1080/14786430500333356>

Ohlasy:

1. [1.1] AJLOUNI, Rima. A surface-stacking structural model for icosahedral quasicrystals. In STRUCTURAL CHEMISTRY. ISSN 1040-0400, 2019, vol. 30, no. 6, pp. 2279-2288., Registrované v: WOS

2. [1.1] BROMMER, Peter - KISELEV, Alexander - SCHOPF, Daniel -

BECK, Philipp - ROTH, Johannes - TREBIN, Hans-Rainer. Classical interaction potentials for diverse materials from ab initio data: a review of potfit. In **MODELLING AND SIMULATION IN MATERIALS SCIENCE AND ENGINEERING**. ISSN 0965-0393, 2015, vol. 23, no. 7, 074002., Registrované v: WOS

3. [1.1] MADISON, Alexey E. Atomic structure of icosahedral quasicrystals: stacking multiple quasi-unit cells. In **RSC ADVANCES**. ISSN 2046-2069, 2015, vol. 5, no. 97, pp. 79279., Registrované v: WOS

4. [1.1] MADISON, Alexey E. - MADISON, Pavel A. Structure of icosahedral quasicrystals within the multiple-cell approach. In **STRUCTURAL CHEMISTRY**. ISSN 1040-0400, 2020, vol. 31, no. 1, pp. 485-505., Registrované v: WOS

5. [1.1] MADISON, A. E. - MADISON, P. A. Looking for alternatives to the superspace description of icosahedral quasicrystals. In **PROCEEDINGS OF THE ROYAL SOCIETY A-MATHEMATICAL PHYSICAL AND ENGINEERING SCIENCES**. ISSN 1364-5021, 2019, vol. 475, no. 2221, 20180667., Registrované v: WOS

ADCA840 MIHALKOVIČ, Marek - WIDOM, M. - HENLEY, C.L. Cell-constrained melt-quench simulation of d-AlCoNi: Ni-rich versus Co-rich structures. In *Philosophical Magazine*, 2011, vol. 91, no. 19-21, p. 2557-2566. (2010: 1.304 - IF, Q1 - JCR, 1.031 - SJR, Q2 - SJR, Current Contents - CCC). (2011 - Current Contents). ISSN 1478-6435. Dostupné na: <https://doi.org/10.1080/14786435.2010.515264>

Ohlasy:

1. [1.1] ODINOKOV, Alexey - FREIDZON, Alexandra - BAGATURYANTS, Alexander. Molecular dynamics simulation of the glass transition in 4,4'-N,N'-dicarbazolylbiphenyl. In **CHEMICAL PHYSICS LETTERS**. ISSN 0009-2614, 2015, vol. 633, pp. 41-46., Registrované v: WOS

ADCA841 MIHALKOVIČ, Marek - HENLEY, C.L. Empirical oscillating potentials for alloys from ab initio fits and the prediction of quasicrystal-related structures in the Al-Cu-Sc system. In *Physical Review B*, 2012, vol. 85, no. 9, 092102. (2011: 3.691 - IF, Q1 - JCR, 3.326 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.85.092102>

Ohlasy:

1. [1.1] CRAMER PEDERSEN, Martin - ROBINS, Vanessa - MORTENSEN, Kell - KIRKENSGAARD, Jacob J. K. Evolution of local motifs and topological proximity in self-assembled quasi-crystalline phases. In **PROCEEDINGS OF THE ROYAL SOCIETY A-MATHEMATICAL PHYSICAL AND ENGINEERING SCIENCES**. ISSN 1364-5021, 2020, vol. 476, no. 2241, 20200170., Registrované v: WOS

2. [1.1] DAMASCENO, Pablo F. - GLOTZER, Sharon C. - ENGEL, Michael. Non-close-packed three-dimensional quasicrystals. In **JOURNAL OF PHYSICS-CONDENSED MATTER**. ISSN 0953-8984, 2017, vol. 29, no. 23, 234005., Registrované v: WOS

3. [1.1] DE BOISSIEU, Marc. ICOSAHERAL QUASICRYSTALS Assembled with one component. In **NATURE MATERIALS**. ISSN 1476-1122,

2015, vol. 14, no. 1, pp. 18., Registrované v: WOS

4. [1.1] ENGEL, Michael - DAMASCENO, Pablo F. - PHILLIPS, Carolyn L. - GLOTZER, Sharon C. Computational self-assembly of a one-component icosahedral quasicrystal. In NATURE MATERIALS. ISSN 1476-1122, 2015, vol. 14, no. 1, pp. 109., Registrované v: WOS

5. [1.1] IWASAKI, Yutaka - KITAHARA, Koichi - KIMURA, Kaoru. Anomalous effects of Cu-doping on structural and thermoelectric properties of the Al-Ir cubic quasicrystalline approximant. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2018, vol. 763, pp. 78-84., Registrované v: WOS

6. [1.1] LOACH, Christian H. - ACKLAND, Graeme J. Stacking Characteristics of Close Packed Materials. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2017, vol. 119, no. 20, 205701., Registrované v: WOS

7. [1.1] MEYER, N. - XU, H. - WAX, J.F. The role of chemical order in the temperature and composition dependence of the viscosity of liquid alloys. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2019, vol. 150, no. 17, 174502., Registrované v: WOS

8. [1.1] MKHONTA, S. K. - ELDER, K. R. - HUANG, Zhi-Feng. Emergence of Chirality from Isotropic Interactions of Three Length Scales. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2016, vol. 116, no. 20, pp., Registrované v: WOS

9. [1.1] MORGAN, John W. R. - GLOTZER, Sharon C. The alchemical energy landscape for a pentameric cluster. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2020, vol. 152, no. 1, 014106., Registrované v: WOS

10. [1.1] MU, Haimen - XU, Bo - OUYANG, Chuying - LEI, Xueling. Highly optimized embedding atom method potential for Pt-Cu alloys. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2017, vol. 696, 470-480. 470-480., Registrované v: WOS

11. [1.1] POLUKHIN, V. A. - KURBANOVA, E. D. - VATOLIN, N. A. Formation of a Intermediate Order in Metallic Glasses and a Long Order in Nanocrystalline Alloys with Allowance for the Character of Binding and the Transformation of the Short Order in a Melt. In RUSSIAN METALLURGY. ISSN 0036-0295, 2018, no. 2, pp. 95-109., Registrované v: WOS

12. [1.1] RANK, Maximilian - FRANKE, Peter - SEIFERT, Hans Jurgen. Thermodynamic investigations in the Al-Fe system: Thermodynamic modeling using CALPHAD. In INTERNATIONAL JOURNAL OF MATERIALS RESEARCH. ISSN 1862-5282, 2019, vol. 110, no. 5, pp. 406-421., Registrované v: WOS

13. [1.1] RYLTSEV, Roman - CHTCHELKATCHEV, Nikolay. Universal self-assembly of one-component three-dimensional dodecagonal quasicrystals. In SOFT MATTER. ISSN 1744-683X, 2017, vol. 13, no. 29, pp. 5076-5082., Registrované v: WOS

14. [1.1] RYLTSEV, Roman - KLUMOV, Boris - CHTCHELKATCHEV, Nikolay. Self-assembly of the decagonal quasicrystalline order in simple three-dimensional systems. In SOFT MATTER. ISSN 1744-683X, 2015, vol. 11, no. 35, pp. 6991., Registrované v: WOS

15. [1.1] TOBITA, Kazuki - SATO, Naoki - KITAHARA, Koichi - TAKAGIWA, Yoshiki - KIMURA, Kaoru. Effect of Anomalous Crystal Structure of Iron Aluminides Fe₂Al₅ and Fe₄Al₁₃: Low Phonon Thermal

Conductivity and Potentiality as Thermoelectric Materials. In MATERIALS TRANSACTIONS. ISSN 1345-9678, 2016, vol. 57, no. 7, pp. 1045-1049., Registrované v: WOS

16. [1.1] TRYBULA, Marcela E. Structure and transport properties of the liquid Al₈₀Cu₂₀ alloy A molecular dynamics study. In COMPUTATIONAL MATERIALS SCIENCE. ISSN 0927-0256, 2016, vol. 122, no., pp. 341-352., Registrované v: WOS

17. [1.1] WIDOM, Michael. Modeling the structure and thermodynamics of high-entropy alloys. In JOURNAL OF MATERIALS RESEARCH. ISSN 0884-2914, 2018, vol. 33, no. 19, pp. 2881-2898., Registrované v: WOS

18. [1.1] WIDOM, M. Frequency Estimate for Multicomponent Crystalline Compounds. In JOURNAL OF STATISTICAL PHYSICS. ISSN 0022-4715, 2017, vol. 167, no. 3-4, pp. 726-734., Registrované v: WOS

19. [1.1] ZHOU, Pengji - PROCTOR, James C. - VAN ANDERS, Greg - GLOTZER, Sharon C. Alchemical molecular dynamics for inverse design. In MOLECULAR PHYSICS. ISSN 0026-8976, 2019, vol. 117, no. 23-24, pp. 3968-3980., Registrované v: WOS

ADCA842 MIHALKOVIČ, Marek - WIDOM, M. First-principles calculations of cohesive energies in the Al-Co binary alloy system. In *Physical Review B*, 2007, vol. 75, no. 1, 014207. (2006: 3.107 - IF, Q1 - JCR, 2.620 - SJR, Q1 - SJR, Current Contents - CCC). (2007 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.75.014207>

Ohlasy:

1. [1.1] MEIER, M. - LEDIEU, J. - DE WEERD, M.C. - HUANG, Ying-Tzu - ABREU, G. J. P. - PUSSI, K. - DIEHL, R. D. - MAZET, T. - FOURNEE, V. - GAUDRY, E. Interplay between bulk atomic clusters and surface structure in complex intermetallic compounds: The case study of the Al₅Co₂(001) surface. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 91, no. 8, 085414., Registrované v: WOS

2. [1.1] PRIPUTEN, P. - KUSY, M. - DRIENOVSKY, M. - JANICKOVIC, D. - CICKA, R. - CERNICKOVA, I. - JANOVEC, J. Experimental reinvestigation of Al-Co phase diagram in vicinity of Al₁₃Co₄ family of phases. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2015, vol. 647, pp. 486., Registrované v: WOS

3. [1.1] PUN, G. P. Purja - YAMAKOV, V. - MISHIN, Y. Interatomic potential for the ternary Ni-Al-Co system and application to atomistic modeling of the B2-L1(0) martensitic transformation. In MODELLING AND SIMULATION IN MATERIALS SCIENCE AND ENGINEERING. ISSN 0965-0393, 2015, vol. 23, no. 6, 065006., Registrované v: WOS

ADCA843 MIHALKOVIČ, Marek - WIDOM, M. First-principles prediction of a decagonal quasicrystal containing boron. In *Physical Review Letters*, 2004, vol. 93, no. 9, 095507. (2003: 7.035 - IF, Current Contents - CCC). (2004 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.93.095507>

Ohlasy:

1. [1.1] GRUSZKA, Konrad - NABIALEK, Marcin - SZOTA, Michal. Influence of Cu Substitution on the Structure and Magnetic Properties of Partially Crystallized Fe_{62-x}Co₁₀Y₈M_xB₂₀ Alloys. In REVISTA DE CHIMIE. ISSN

- 0034-7752, 2017, vol. 68, no. 2, pp. 408-410., Registrované v: WOS
2. [1.1] KITAHARA, Koichi - TAKAGIWA, Yoshiki - KIMURA, Kaoru. Semimetallic Band Structure and Cluster-Based Description of a Cubic Quasicrystalline Approximant in the Al-Cu-Ir System. In JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN. ISSN 0031-9015, 2015, vol. 84, no. 1, 014703., Registrované v: WOS
3. [1.1] TAKAGIWA, Y. - MIYAZAKI, Y. - YOSHIDA, T. - YANAGIHARA, D. - UEDA, S. - KITAHARA, K. - KIMURA, K. Thermoelectric properties of (alpha-, delta-, zeta-) Ti-Ru-B approximants for the decagonal quasicrystal. In SOLID STATE SCIENCES. ISSN 1293-2558, 2015, vol. 47, pp. 32., Registrované v: WOS
4. [1.1] TAKAHASHI, Takahiro - KITAHARA, Koichi - KATSURA, Yukari - OKADA, Junpei - MATSUSHITA, Yu-ichiro - KIMURA, Kaoru. Search for the boron quasicrystal by first-principle-calculation. In SOLID STATE SCIENCES. ISSN 1293-2558, 2020, vol. 108, 106377., Registrované v: WOS
5. [1.1] VAN DE WALLE, Axel - NATARAJ, Chiraag - LIU, Zi-Kui. The Thermodynamic Database Database. In CALPHAD-COMPUTER COUPLING OF PHASE DIAGRAMS AND THERMOCHEMISTRY. ISSN 0364-5916, 2018, vol. 61, pp. 173-178., Registrované v: WOS

ADCA844 MIHALKOVIČ, Marek - ZHU, W.J. - HENLEY, C.L. - OXBORROW, M. Icosahedral quasicrystal decoration models. 1. Geometrical principles. In *Physical Review B*, 1996, vol. 53, no. 14, p. 9002-9020. (1995: 2.834 - IF, Current Contents - CCC). (1996 - Current Contents). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1007/s11224-019-01413-x>

Ohlasy:

1. [1.1] AJLOUNI, Rima. A surface-stacking structural model for icosahedral quasicrystals. In STRUCTURAL CHEMISTRY. ISSN 1040-0400, 2019, vol. 30, no. 6, pp. 2279-2288., Registrované v: WOS
2. [1.1] BUGANSKI, Ireneusz - WOLNY, Janusz - TAKAKURA, Hiroyuki. The atomic structure of the Bergman-type icosahedral quasicrystal based on the Ammann-Kramer-Neri tiling. In ACTA CRYSTALLOGRAPHICA A-FOUNDATION AND ADVANCES. ISSN 2053-2733, 2020, vol. 76, pp. 180-196., Registrované v: WOS
3. [1.1] LI, Ruitao - LI, Zhong - DONG, Zhili - KHOR, Khiam Aik. A Review of Transmission Electron Microscopy of Quasicrystals-How Are Atoms Arranged? In CRYSTALS. ISSN 2073-4352, 2016, vol. 6, no. 9, 105., Registrované v: WOS
4. [1.1] MADISON, Alexey E. Atomic structure of icosahedral quasicrystals: stacking multiple quasi-unit cells. In RSC ADVANCES. ISSN 2046-2069, 2015, vol. 5, no. 97, pp. 79279., Registrované v: WOS
5. [1.1] MADISON, Alexey E. - MADISON, Pavel A. Structure of icosahedral quasicrystals within the multiple-cell approach. In STRUCTURAL CHEMISTRY. ISSN 1040-0400, 2020, vol. 31, no. 1, pp. 485-505., Registrované v: WOS
6. [1.1] MU, H. - XU, B. - OUYANG, CH. - et al. Highly optimized embedding atom method potential for Pt-Cu alloys, In JOURNAL OF ALLOYS AND COMPOUNDS, 2017, vol. 696, pp. 470-480., Registrované v: WOS
7. [1.1] TANG, Sai - WANG, Zhijun - WANG, Jincheng - JIANG, Kai -

LIANG, Chaoping - MA, Yunzhu - LIU, Wensheng - DU, Yong. An atomic scale study of two-dimensional quasicrystal nucleation controlled by multiple length scale interactions. In *SOFT MATTER*. ISSN 1744-683X, 2020, vol. 16, no. 24, pp. 5718-5726., Registrované v: WOS

ADCA845 MIHALKOVIČ, Marek - KRAJČÍ, Marián - WIDOM, M. Prediction of stable insulating intermetallic compounds. In *Physical Review B*, 2013, vol. 87, no. 10, 100201R. (2012: 3.767 - IF, Q1 - JCR, 1.779 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.87.100201>

Ohlasy:

1. [1.1] DASGUPTA, Anish - RIOUX, Robert M. Intermetallics in catalysis: An exciting subset of multimetallic catalysts. In *CATALYSIS TODAY*. ISSN 0920-5861, 2019, vol. 330, pp. 2-15., Registrované v: WOS
2. [1.1] DECOCQ, Victoria - GUI, Xin - NEESON, Alec - XIE, Weiwei - HEITMANN, Thomas - WANG, Fei. Crystal Structures, Superconducting Properties, and the Coloring Problem in ReAlSi and ReGaSi. In *INORGANIC CHEMISTRY*. ISSN 0020-1669, 2020, vol. 59, no. 23, pp. 17310-17319., Registrované v: WOS
3. [1.1] MONDAL, Debashis - KAMAL, C. - BANIK, Soma - BHAKAR, Ashok - KAK, Ajay - DAS, Gangadhar - REDDY, V. R. - CHAKRABARTI, Aparna - GANGULI, Tapas. Structural and electronic properties of Fe(Al_xGa_{1-x})(3) system. In *JOURNAL OF APPLIED PHYSICS*. ISSN 0021-8979, 2016, vol. 120, no. 16, 165102., Registrované v: WOS
4. [1.1] SPANJERS, Charles S. - DASGUPTA, Anish - KIRKHAM, Melanie - BURGER, Blake A. - KUMAR, Gaurav - JANIK, Michael J. - RIOUX, Robert M. Determination of Bulk and Surface Atomic Arrangement in Ni-Zn gamma-Brass Phase at Different Ni to Zn Ratios. In *CHEMISTRY OF MATERIALS*. ISSN 0897-4756, 2017, vol. 29, no. 2, pp. 504-512., Registrované v: WOS
5. [1.1] XIE, Weiwei - GUSTIN, Lea - BIAN, Guang. 111-Type Semiconductor ReGaSi Follows 14e(-) Rules. In *INORGANIC CHEMISTRY*. ISSN 0020-1669, 2017, vol. 56, no. 9, pp. 5165-5172., Registrované v: WOS

ADCA846 MIHALKOVIČ, Marek - WIDOM, M. Structure and stability of Al₂Fe and Al₅Fe₂: First-principles total energy and phonon calculations. In *Physical Review B*, 2012, vol. 85, no. 1, 014113. (2011: 3.691 - IF, Q1 - JCR, 3.326 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.85.014113>

Ohlasy:

1. [1.1] ABBASI, Majid - DEHGHANI, Morteza - GUIM, Hwan-Uk - KIM, Dong-Ik. Investigation of Fe-rich fragments in aluminum-steel friction stir-welds via simultaneous Transmission Kikuchi Diffraction and EDS. In *ACTA MATERIALIA*. ISSN 1359-6454, 2016, vol. 117, no., pp. 262-269., Registrované v: WOS
2. [1.1] BASARIYA, M. Raviathul - ROY, Rajat K. - PRAMANICK, A. K. - SRIVASTAVA, V. C. - MUKHOPADHYAY, N. K. Structural transition and softening in Al-Fe intermetallic compounds induced by high energy ball milling. In *MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING*. ISSN

0921-5093, 2015, vol. 638, pp. 282., Registrované v: WOS

3. [1.1] BECKER, Hanka - LEINEWEBER, Andreas. Atomic channel occupation in disordered η -Al₅Fe₂ and in two of its low-temperatures phases, η'' and η''' . In INTERMETALLICS. ISSN 0966-9795, 2018, vol. 93, pp. 251-262., Registrované v: WOS

4. [1.1] BECKER, H. - AMIRKHANYAN, L. - KORTUS, J. - LEINEWEBER, A. Powder-X-ray diffraction analysis of the crystal structure of the η' -Al₈Fe₃ (η' -Al_{2.67}Fe) phase. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2017, vol. 721, pp. 691-696., Registrované v: WOS

5. [1.1] DINSDALE, Alan - FANG, Changming - QUE, Zhongping - FAN, Zhongyun. Understanding the Thermodynamics and Crystal Structure of Complex Fe Containing Intermetallic Phases Formed on Solidification of Aluminium Alloys. In JOM. ISSN 1047-4838, 2019, vol. 71, no. 5, pp. 1731-1736., Registrované v: WOS

6. [1.1] GHOSH, Tanmoy - FUKUDA, Takashi - KAKESHITA, Tomoyuki - KAUL, S. N. - MUKHOPADHYAY, P. K. Magnetic properties of disordered interacting electron system FeAl_{2-x}Gax ($0 \leq x \leq 0.5$): Origin of local moment behaviour and the stabilization of an antiferromagnetic phase by weak interplanar magnetic interaction. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2019, vol. 782, pp. 915-926., Registrované v: WOS

7. [1.1] GHOSH, Tanmoy - JENA, Ambika Prasad - MOOKERJEE, Abhijit. Effects of chemical ordering and composition on the magnetic properties of disordered FeAl alloys. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2015, vol. 639, pp. 583., Registrované v: WOS

8. [1.1] KONISHI, Takeshi - SAWADA, Hideaki - DOI, Takashi - USHIODA, Kohsaku. Crystal Structure Analysis of Top Dross in a Molten Zinc Bath by First Principle Calculation and Synchrotron X-ray Diffraction. In TETSU TO HAGANE-JOURNAL OF THE IRON AND STEEL INSTITUTE OF JAPAN. ISSN 0021-1575, 2020, vol. 106, no. 4, pp. 205-213., Registrované v: WOS

9. [1.1] OKAMOTO, Norihiko L. - OKUMURA, Jumpei - HIGASHI, Masaya - INUI, Haruyuki. Crystal structure of η' -Fe₃Al₈; low-temperature phase of η -Fe₂Al₅ accompanied by an ordered arrangement of Al atoms of full occupancy in the c-axis chain sites. In ACTA MATERIALIA. ISSN 1359-6454, 2017, vol. 129, pp. 290-299., Registrované v: WOS

10. [1.1] OKAMOTO, Norihiko L. - HIGASHI, Masaya - INUI, Haruyuki. Crystal structure of η'' -Fe₃Al_{7+x} determined by single-crystal synchrotron X-ray diffraction combined with scanning transmission electron microscopy. In SCIENCE AND TECHNOLOGY OF ADVANCED MATERIALS. ISSN 1468-6996, 2019, vol. 20, no. 1, pp. 543-556., Registrované v: WOS

11. [1.1] STEURER, W - DSHEMUCHADSE, J. Intermetallics: Structures, Properties, and Statistics. In INTERMETALLICS: STRUCTURES, PROPERTIES, AND STATISTICS. ISSN 0962-7383, 2016, vol., no., pp. 1-570., Registrované v: WOS

12. [1.1] TOBITA, Kazuki - KITAHARA, Koichi - KATSURA, Yukari - SATO, Naoki - NISHIO-HAMANE, Daisuke - GOTOU, Hirotada - KIMURA, Kaoru. Phase stability and thermoelectric properties of semiconductor-like

tetragonal FeAl₂. In SCIENCE AND TECHNOLOGY OF ADVANCED MATERIALS. ISSN 1468-6996, 2019, vol. 20, no. 1, pp. 937-948., Registrované v: WOS

13. [1.1] TOBITA, Kazuki - SATO, Naoki - KATSURA, Yukari - KITAHARA, Koichi - NISHIO-HAMANE, Daisuke - GOTOU, Hirotada - KIMURA, Kaoru. High-pressure synthesis of tetragonal iron aluminide FeAl₂. In SCRIPTA MATERIALIA. ISSN 1359-6462, 2017, vol. 141, pp. 107-110., Registrované v: WOS

14. [1.1] ULLAH, Israr - MEHMOOD, Shahid - ALI, Zahid - REHMAN, Gul - KHAN, Imad - AHMAD, Iftikhar. Theoretical studies of the electronic structure and magnetic properties of aluminum-rich intermetallic alloy Al₁₃Fe₄. In INTERNATIONAL JOURNAL OF MODERN PHYSICS B. ISSN 0217-9792, 2018, vol. 32, no. 16, 1850201., Registrované v: WOS

15. [1.1] VAN ALBOOM, Antoine - LEMMENS, Babs - BREITBACH, Benjamin - DE GRAVE, Eddy - COTTENIER, Stefaan - VERBEKEN, Kim. Multi-method identification and characterization of the intermetallic surface layers of hot-dip Al-coated steel: FeAl₃ or Fe₄Al₁₃ and Fe₂Al₅ or Fe₂Al_{5+x}. In SURFACE & COATINGS TECHNOLOGY. ISSN 0257-8972, 2017, vol. 324, pp. 419-428., Registrované v: WOS

16. [1.1] VINOKUR, Anastasiya - HILLEKE, Katerina P. - FREDRICKSON, Daniel C. Principles of weakly ordered domains in intermetallics: the cooperative effects of atomic packing and electronics in Fe₂Al₅. In ACTA CRYSTALLOGRAPHICA A-FOUNDATION AND ADVANCES. ISSN 2053-2733, 2019, vol. 75, pp. 297-306., Registrované v: WOS

17. [1.1] WANG, Rongcheng - TAO, Xiaoma - OUYANG, Yifang - CHEN, Hongmei - PENG, Qing. Suggest a new approach to fabricate AlFe₂B₂. In COMPUTATIONAL MATERIALS SCIENCE. ISSN 0927-0256, 2020, vol. 171, 109239., Registrované v: WOS

18. [1.1] WANG, Rongcheng - ZHAO, Yongxin - LI, Zhuxin - CHEN, Hongmei - TAO, Xiaoma - OUYANG, Yifang. The effect of Al content on the structural, mechanical, and thermal properties of B₂-FeAl and D0(3)-Fe₃Al from atomistic study. In MATERIALS RESEARCH EXPRESS. ISSN 2053-1591, 2018, vol. 5, no. 2, 026512., Registrované v: WOS

19. [1.1] XIA, Zheng - WEN, Bin - FAN, Changzeng. Structure and Stability of the Stoichiometric Al₃Fe Phase. In METALS, 2019, vol. 9, no. 12, 1322., Registrované v: WOS

20. [1.1] ZIENERT, Tilo - AMIRKHANYAN, Lilit - SEIDEL, Juergen - WIRNATA, Rene - WEISSBACH, Torsten - GRUBER, Thomas - FABRICHNAYA, Olga - KORTUS, Jens. Heat capacity of eta-AlFe (Fe₂Al₅). In INTERMETALLICS. ISSN 0966-9795, 2016, vol. 77, no., pp. 14-22., Registrované v: WOS

ADCA847 MIHALKOVIČ, Marek - HENLEY, C.L. Temperature-dependent phason elasticity in a random tiling quasicrystal. In *Physical Review B*, 2004, vol. 70, no. 9, 09202. (2003: 2.962 - IF, Current Contents - CCC). (2004 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.70.092202>

Ohlasy:

1. [1.1] DICKEL, Doyl E. - BARRETT, Christopher D. Methods for the

determination of diffusionless transformation conditions from atomistic simulations. In *MODELLING AND SIMULATION IN MATERIALS SCIENCE AND ENGINEERING*. ISSN 0965-0393, 2019, vol. 27, no. 2, 023001., Registrované v: WOS

ADCA848 MIHALKOVIČ, Marek - WIDOM, M. Tile decoration model of the W-(Al-Co-Ni) approximant. In *Philosophical Magazine*, 2006, vol. 86, no. 3-5, p. 557-565. ISSN 1478-6435. Dostupné na: <https://doi.org/10.1080/14786430500333364>

Ohlasy:

1. [1.1] LI, Hua - MA, Haikun - HOU, Longgang - GUO, Mingxing - HE, Zhanbing. Shield-like tile and its application to the decagonal quasicrystal-related structures in Al-Cr-Fe-Si alloys. In *JOURNAL OF ALLOYS AND COMPOUNDS*. ISSN 0925-8388, 2017, vol. 701, pp. 494-498., Registrované v: WOS
2. [1.1] YANG, Kesong - OSES, Corey - CURTAROLO, Stefano. Modeling Off-Stoichiometry Materials with a High-Throughput Ab-Initio Approach. In *CHEMISTRY OF MATERIALS*. ISSN 0897-4756, 2016, vol. 28, no. 18, pp. 6484-6492., Registrované v: WOS

ADCA849 MIHALKOVIČ, Marek - MRAFKO, Peter. Tiling of canonical cells. In *Europhysics Letters*, 1993, vol. 21, no. 4, p. 463-467. (1992: 2.460 - IF, Current Contents - CCC). (1993 - Current Contents). ISSN 0295-5075.

Ohlasy:

1. [1.1] FUJITA, Nobuhisa. Quasiperiodic canonical-cell tiling with pseudo icosahedral symmetry. In *ANNALS OF PHYSICS*. ISSN 0003-4916, 2017, vol. 385, pp. 225-286., Registrované v: WOS

ADCA850 MIHALKOVIČ, Marek - LEHYANI, A.I. - COCKAYNE, E. - HENLEY, C.L. - WIDOM, M. Total-energy-based prediction of a quasicrystal structure. In *Physical Review B*, 2002, vol. 65, no. 10, 104205. (2001: 3.070 - IF, Current Contents - CCC). (2002 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.65.104205>

Ohlasy:

1. [1.1] HAN, Insung - XIAO, Xianghui - SUN, Haiping - SHAHANI, Ashwin J. A side-by-side comparison of the solidification dynamics of quasicrystalline and approximant phases in the Al-Co-Ni system. In *ACTA CRYSTALLOGRAPHICA A-FOUNDATION AND ADVANCES*. ISSN 2053-2733, 2019, vol. 75, pp. 281-296., Registrované v: WOS
2. [1.1] LI XIAO-TIAN - YANG XIAO-BAO - ZHAO YU-JUN. Quasilattice-Conserved Optimization of the Atomic Structure of Decagonal Al-Co-Ni Quasicrystals. In *CHINESE PHYSICS LETTERS*. ISSN 0256-307X, 2015, vol. 32, no. 3, 036102., Registrované v: WOS
3. [1.1] LI, Ruitao - LI, Zhong - DONG, Zhili - KHOR, Khiam Aik. A Review of Transmission Electron Microscopy of Quasicrystals-How Are Atoms Arranged? In *CRYSTALS*. ISSN 2073-4352, 2016, vol. 6, no. 9, 105., Registrované v: WOS

ADCA851 MIKLOS, P. - DOUPOVEC, Juraj. Dielectric properties of vanadium phosphate glasses in a combined electric field. In *The Journal of Materials Science*.

- New York : Springer, 1997, vol. 32, no. 2, p. 529-532. (1996: 1.750 - IF, Current Contents - CCC). (1997 - Current Contents). ISSN 0022-2461. Dostupné na: <https://doi.org/10.1023/A:1018546626190>

Ohlasy:

1. [1.1] AHMED, E. M. - AL-HASNI, Bushra. Dielectric properties, polarizability and molar refractive index of some VSrFeZnO glasses. In JOURNAL OF MICROWAVE POWER AND ELECTROMAGNETIC ENERGY. ISSN 0832-7823, 2020, vol. 54, no. 4, pp. 291-311., Registrované v: WOS
2. [1.1] EL-DESOKY, M. M. - HANNORA, Ahmed E. Dielectric Relaxation and Impedance Spectroscopy of 30V(2)O(5) center dot 20Bi(2)O(3) center dot 50P(2)O(5) Glass. In GLASS PHYSICS AND CHEMISTRY. ISSN 1087-6596, 2020, vol. 46, no. 6, pp. 487-496., Registrované v: WOS

ADCA852 MIKOVÁ, M. - SEDLÁK, Michal - STRAKA, I. - MIČUDA, M. - ZIMAN, Mário - JEŽEK, M. - DUŠEK, M. - FIURÁŠEK, J. Optimal entanglement-assisted discrimination of quantum measurements. In *Physical Review A*, 2014, vol. 90, no. 2, 022317. (2013: 2.991 - IF, Q1 - JCR, 2.317 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.90.022317>

Ohlasy:

1. [1.1] CAO, TianQing - GAO, Fei - TIAN, GuoJing - XIE, ShuCui - WEN, QiaoYan. Local discrimination scheme for some unitary operations. In SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY. ISSN 1674-7348, 2016, vol. 59, no. 9, 690311., Registrované v: WOS
2. [1.1] CAO, Tian-Qing - GAO, Fei - ZHANG, Zhi-Chao - YANG, Ying-Hui - WEN, Qiao-Yan. Perfect discrimination of projective measurements with the rank of all projectors being one. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2015, vol. 14, no. 7, pp. 2645., Registrované v: WOS
3. [1.1] CAO, Tian-Qing - GAO, Fei - YANG, Ying-Hui - ZHANG, Zhi-Chao - WEN, Qiao-Yan. Determination of locally perfect discrimination for two-qubit unitary operations. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2016, vol. 15, no. 1, pp. 529-549., Registrované v: WOS
4. [1.1] CAO, Tian-Qing - YANG, Ying-Hui - ZHANG, Zhi-Chao - TIAN, Guo-Jing - GAO, Fei - WEN, Qiao-Yan. Minimal number of runs and the sequential scheme for local discrimination between special unitary operations. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2016, vol. 6, 26696., Registrované v: WOS

ADCA853 MIKULA, Marian - ROCH, T. - PLAŠIENKA, Dušan - SATRAPINSKY, L. - ŠVEC, Peter - VLČKOVÁ, D. - DVORANOVÁ, M. - GRANČIČ, B. - GREGOR, M. - PLECENIK, A. - KÚŠ, P. Thermal stability and structural evolution of quaternary Ti-Ta-B-N coatings. In *Surface and coatings technology*, 2014, vol. 259, p. 698 - 706. (2013: 2.199 - IF, Q1 - JCR, 1.057 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents). ISSN 0257-8972. Dostupné na: <https://doi.org/10.1016/j.surfcoat.2014.10.009>

Ohlasy:

1. [1.1] PSZYK, A. V. - COY, L. E. - NOWACZYK, G. - KEMPINSKI, M. - PEPLINSKA, B. - POGREBNJAK, A. D. - BERESNEV, V.

- M. - JURGA, S. High temperature behavior of functional TiAlBSiN nanocomposite coatings. In SURFACE & COATINGS TECHNOLOGY. ISSN 0257-8972, 2016, vol. 305, no., pp. 49-61., Registrované v: WOS
2. [1.1] SANGIOVANNI, D. G. Inherent toughness and fracture mechanisms of refractory transition-metal nitrides via density-functional molecular dynamics. In ACTA MATERIALIA. ISSN 1359-6454, 2018, vol. 151, no., pp. 11-20., Registrované v: WOS
3. [1.1] SANGIOVANNI, D. G. - MEI, A. B. - EDSTROM, D. - HULTMAN, L. - CHIRITA, V. - PETROV, I. - GREENE, J. E. Effects of surface vibrations on interlayer mass transport: Ab initio molecular dynamics investigation of Ti adatom descent pathways and rates from TiN/TiN(001) islands. In PHYSICAL REVIEW B. ISSN 2469-9950, 2018, vol. 97, no. 3, pp., Registrované v: WOS
4. [1.2] DONG, Yu - WANG, Tiegang - GUO, Yuyao - LI, Jie - WAN, Wenqiang. Effect of N inf2/infFlow Rate and Annealing Temperature on Properties Zr-B-N Nano-Composite Coatings. In Zhenkong Kexue yu Jishu Xuebao/Journal of Vacuum Science and Technology. ISSN 16727126, 2018-03-01, 38, 3, pp. 214-220., Registrované v: SCOPUS

ADCA854 MIKULA, Milan** - BEKOVÁ, Zuzana - HVOJNÍK, Matej - HATALA, Michal - MIKOLÁŠEK, Miroslav - MULLEROVÁ, Jarmila - JERSEL, Matej - GEMEINER, Pavol. Differently sintered TiOx hole blocking layers for solution processed solar cells. In *Applied Surface Science*, 2018, vol. 461, p. 54-60. (2017: 4.439 - IF, Q1 - JCR, 1.093 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 0169-4332. Dostupné na: <https://doi.org/10.1016/j.apsusc.2018.05.180>

Ohlasy:

1. [1.1] NASCIMENTO, Lucas L. - BRUSSASCO, Jessica G. - GARCIA, Igor A. - PAULA, Leonardo F. - POLO, A. S. - PATROCINIO, Antonio Otavio T. Aluminum oxides as alternative building blocks for efficient layer-by-layer blocking layers in dye-sensitized solar cells. In JOURNAL OF PHYSICS-CONDENSED MATTER. ISSN 0953-8984, 2020, vol. 33, no. 5, 055002., Registrované v: WOS

ADCA855 MIKULIK, P. - JERSEL, Matej - BAUMBACH, T. - MAJKOVÁ, Eva - PINČÍK, Emil - LUBY, Štefan - ORTEGA, L. - TUCOULOU, R. - HUDEK, Peter - KOSTIČ, Ivan. Coplanar and non-coplanar x-ray reflectivity characterization of lateral W/Si multilayer gratings. In *Journal of Physics D: Applied Physics*. - Bristol : Institute of Physics Publishing, 2001, vol. 34, no. 10A, p. A188-A192. (2000: 1.179 - IF, Current Contents - CCC). (2001 - Current Contents, SCOPUS). ISSN 0022-3727.

Ohlasy:

1. [1.1] FREYCHET, Guillaume - KUMAR, Dinesh - PANDOLFI, Ron J. - NAULLEAU, Patrick - CORDOVA, Isvar - ERCIUS, Peter - SONG, Chengyu - STRZALKA, Joseph - HEXEMET, Alexander. Estimation of Line Cross Sections Using Critical-Dimension Grazing-Incidence Small-Angle X-Ray Scattering. In PHYSICAL REVIEW APPLIED. ISSN 2331-7019, 2019, vol. 12, no. 4, pp., Registrované v: WOS
2. [1.1] FREYCHET, G. - CADOUX, C. - BLANCQUAERT, Y. - REY, S. - MARET, M. - GERGAUD, P. A study of lateral roughness evaluation

through critical-dimension small angle x-ray scattering (CD-SAXS). In METROLOGY, INSPECTION, AND PROCESS CONTROL FOR MICROLITHOGRAPHY XXX. ISSN 0277-786X, 2016, vol. 9778, no., pp., Registrované v: WOS

3. [1.1] FREYCHET, G. - KUMAR, D. - PANDOLFI, R. - STAAKS, D. - NAULLEAU, P. - KLINE, R. J. - SUNDAY, D. - FUKUTO, M. - STRZALKA, J. - HEXEMER, A. Critical-Dimension Grazing Incidence Small Angle X-ray Scattering. In METROLOGY, INSPECTION, AND PROCESS CONTROL FOR MICROLITHOGRAPHY XXXII. ISSN 0277-786X, 2018, vol. 10585, no., pp., Registrované v: WOS

4. [1.1] GOTTLIEB, S. - ROSNER, B. - EVANGELIO, L. - FERNANDEZ-REGULEZ, M. - NOGALES, A. - GARCIA-GUTIERREZ, M. C. - KELLER, T. F. - FRAXEDAS, J. - EZQUERRA, T. A. - DAVID, C. - PEREZ-MURANO, F. Self- assembly morphology of block copolymers in sub-10 nm topographical guiding patterns. In MOLECULAR SYSTEMS DESIGN & ENGINEERING. ISSN 2058-9689, 2019, vol. 4, no. 1, pp. 175-185., Registrované v: WOS

5. [1.1] HERRERO, Analía Fernandez - PFLUEGER, Mika - PROBST, Juergen - SCHOLZE, Frank - SOLTWISCH, Victor. Characteristic diffuse scattering from distinct line roughnesses. In JOURNAL OF APPLIED CRYSTALLOGRAPHY. ISSN 1600-5767, 2017, vol. 50, part 6, pp. 1766-1772., Registrované v: WOS

6. [1.1] HERRERO, Analía Fernandez - PFLUEGER, Mika - PROBST, Juergen - SCHOLZE, Frank - SOLTWISCH, Victor. Applicability of the Debye-Waller damping factor for the determination of the line-edge roughness of lamellar gratings. In OPTICS EXPRESS. ISSN 1094-4087, 2019, vol. 27, no. 22, pp. 32490-32507., Registrované v: WOS

7. [1.1] HERRERO, A. Fernandez - PFLUEGER, M. - SCHOLZE, F. - et al. Fingerprinting the type of line roughness. In MODELING ASPECTS IN OPTICAL METROLOGY VI. ISSN 0277-786X, 2017, vol. 10330, UNSP 103300U., Registrované v: WOS

8. [1.1] HUSSAIN, Zaineb - REDDY, V. Raghavendra - GUPTA, Mukul - DHAMGAYE, Vishal - KHANTWAL, Nitin - GUPTA, Ajay. Study of exchange bias effect in a patterned Fe/Pt multilayer with the thermal annealing. In VACUUM. ISSN 0042-207X, 2018, vol. 151, no., pp. 61-65., Registrované v: WOS

9. [1.1] CHOI, Jaewon - GUNKEL, Ilja - LI, Yinyong - et al. Macroscopically ordered hexagonal arrays by directed self-assembly of block copolymers with minimal topographic patterns. In NANOSCALE. ISSN 2040-3364, 2017, vol. 9, no. 39, pp. 14888-14896., Registrované v: WOS

10. [1.1] CHOI, Jaewon - LI, Yinyong - KIM, Paul Y. - LIU, Feng - KIM, Hyeyoung - YU, Duk Man - HUH, June - CARTER, Kenneth R. - RUSSELL, Thomas P. Orthogonally Aligned Block Copolymer Line Patterns on Minimal Topographic Patterns. In ACS APPLIED MATERIALS & INTERFACES. ISSN 1944-8244, 2018, vol. 10, no. 9, pp. 8324-8332., Registrované v: WOS

11. [1.1] PFLUEGER, Mika - KLINE, R. Joseph - HERRERO, Analía Fernandez - HAMMERSCHMIDT, Martin - SOLTWISCH, Victor - KRUMREY, Michael. Extracting dimensional parameters of gratings produced with self-aligned multiple patterning using grazing-incidence small-angle x-ray

- scattering. In JOURNAL OF MICRO-NANOLITHOGRAPHY MEMS AND MOEMS. ISSN 1932-5150, 2020, vol. 19, no. 1, 014001., Registrované v: WOS
12. [1.1] PFLUEGER, Mika - SOLTWISCH, Victor - PROBST, Juergen - SCHOLZE, Frank - KRUMREY, Michael. Grazing-incidence small-angle X-ray scattering (GISAXS) on small periodic targets using large beams. In IUCRJ. ISSN 2052-2525, 2017, vol. 4, part 4, pp. 431-438., Registrované v: WOS
13. [1.1] PFLUEGER, Mika - SOLTWISCH, Victor - SCHOLZE, Frank - KRUMREY, Michael. Selective measurement of small metrology targets using CD-GISAXS. In PHOTOMASK TECHNOLOGY 2017. ISSN 0277-786X, 2017, vol. 10451, UNSP 1045110., Registrované v: WOS
14. [1.1] PFLUEGER, Mika - SOLTWISCH, Victor - XAVIER, Jolly - PROBST, Juergen - SCHOLZE, Frank - BECKER, Christiane - KRUMREY, Michael. Distortion analysis of crystalline and locally quasicrystalline 2D photonic structures with grazing-incidence small-angle X-ray scattering. In JOURNAL OF APPLIED CRYSTALLOGRAPHY. ISSN 0021-8898, 2019, vol. 52, no., pp. 322-331., Registrované v: WOS
15. [1.1] SOCCIO, M. - RUEDA, D. R. - GARCIA-GUTIERREZ, M. C. - ALAYO, N. - PEREZ-MURANO, F. - LOTTI, N. - MUNARI, A. - EZQUERRA, T. A. Morphology of poly(propylene azelate) gratings prepared by nanoimprint lithography as revealed by atomic force microscopy and grazing incidence X-ray scattering. In POLYMER. ISSN 0032-3861, 2015, vol. 61, no., pp. 61-67., Registrované v: WOS
16. [1.1] SOLTWISCH, Victor - LAUBIS, Christian - HERRERO, Analia Fernandez - et al. Investigating surface structures by EUV scattering. In EXTREME ULTRAVIOLET (EUV) LITHOGRAPHY VIII. ISSN 0277-786X, 2017, vol. 10143, UNSP 101430P., Registrované v: WOS
17. [1.1] SOLTWISCH, Victor - HERRERO, Analia Fernandez - PFLUEGER, Mika - et al. Reconstructing detailed line profiles of lamellar gratings from GISAXS patterns with a Maxwell solver. In JOURNAL OF APPLIED CRYSTALLOGRAPHY. ISSN 1600-5767, 2017, vol. 50, part 5, pp. 1524-1532., Registrované v: WOS
18. [1.1] SUH, Hyo Seon - CHEN, Xuanxuan - RINCON-DELGADILLO, Paulina A. - JIANG, Zhang - STRZALKA, Joseph - WANG, Jin - CHEN, Wei - GRONHEID, Roel - DE PABLO, Juan J. - FERRIER, Nicola - DOXASTAKIS, Manolis - NEALEY, Paul F. Characterization of the shape and line-edge roughness of polymer gratings with grazing incidence small-angle X-ray scattering and atomic force microscopy. In JOURNAL OF APPLIED CRYSTALLOGRAPHY. ISSN 1600-5767, 2016, vol. 49, no., pp. 823-834., Registrované v: WOS
19. [1.1] SUNDAY, Daniel F. - LIST, Scott - CHAWLA, Jasmeet S. - KLINE, R. Joseph. Determining the shape and periodicity of nanostructures using small-angle X-ray scattering. In JOURNAL OF APPLIED CRYSTALLOGRAPHY. ISSN 1600-5767, 2015, vol. 48, no., pp. 1355., Registrované v: WOS
20. [1.2] PERSHIN, Yu P. - DEVIZENKO, A. Yu - KONDRATENKO, V. V. - MODROW, H. - HORMES, F. J. Structural and X-ray-optical characteristics of the W/Si multilayer X-ray mirrors. In Metallofizika i Noveishie Tekhnologii. ISSN 10241809, 2016-01-01, 38, 3, pp. 367-388., Registrované v: SCOPUS

21. [3.1] FREYCHET, G. - KUMAR, D. - PANDOLFI, R. - STAACKS, D. - NAULLEAU, P. - KLINE, R.J., et al. Pursuing the critical dimension in etched patterns using x-ray scattering. In *Metrology, Inspection, and Process Control for Microlithography XXXII*. International Society for Optics and Photonics. 2018, vol. 10585, pp. 1058512.
22. [3.1] PFLÜGER, Mika. Using grazing incidence small-angle X-ray scattering (GISAXS) for semiconductor nanometrology and defect quantification. In Doctoral thesis, dec. 2020, DOI: 10.18452/22207.

ADCA856 MILANI, Sula** - ANGEL, Ross J. - SCANDOLO, Lorenzo - MAZZUCHELLI, Mattia L. - BALLARAN, Tiziana Boffa - KLEMME, Stephan - DOMENEGHETTI, Maria C. - MILETICH, Ronald - SCHEIDL, Katharina S. - DERZSI, Mariana - TOKÁR, Kamil - PRENCIPE, Mauro - ALVARO, Matteo - NESTOLA, Fabrizio. Thermo-elastic behavior of grossular garnet at high pressures and temperatures. In *American Mineralogist*, 2017, vol. 102, no. 4, p. 851-859. (2016: 2.021 - IF, Q2 - JCR, 0.962 - SJR, Q2 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 0003-004X. Dostupné na: <https://doi.org/10.2138/am-2017-5855>

Ohlasy:

1. [1.1] BARKOFF, Drew W. - ASHLEY, Kyle T. - GUIMARAES DA SILVA, Raquel - MAZDAB, Frank K. - STEELE-MACINNIS, Matthew. THERMOBAROMETRY OF THREE SKARNS IN THE LUDWIG AREA, NEVADA, BASED ON RAMAN SPECTROSCOPY AND ELASTIC MODELING OF MINERAL INCLUSIONS IN GARNET. In *CANADIAN MINERALOGIST*. ISSN 0008-4476, 2019, vol. 57, no. 1, pp. 25-45., Registrované v: WOS
2. [1.1] CISNEROS, M. - BEFUS, K. S. Applications and Limitations of Elastic Thermobarometry: Insights From Elastic Modeling of Inclusion-Host Pairs and Example Case Studies. In *GEOCHEMISTRY GEOPHYSICS GEOSYSTEMS*, 2020, vol. 21, no. 10, e2020GC009231., Registrované v: WOS
3. [1.1] KROLL, Herbert - SCHMID-BEURMANN, Peter - SELL, Alexander - BUESCHER, Julia - DOHR, Robin - KIRFEL, Armin. Thermal expansion and thermal pressure in Co and Ni olivines: A comparison with Mn and Fe olivines. In *EUROPEAN JOURNAL OF MINERALOGY*. ISSN 0935-1221, 2019, vol. 31, no. 2, pp. 313-324., Registrované v: WOS
4. [1.1] MIOZZI, F. - MORARD, G. - ANTONANGELI, D. - CLARK, A. N. - MEZOUAR, M. - DORN, C. - ROZEL, A. - FIQUET, G. Equation of State of SiC at Extreme Conditions: New Insight Into the Interior of Carbon-Rich Exoplanets. In *JOURNAL OF GEOPHYSICAL RESEARCH-PLANETS*. ISSN 2169-9097, 2018, vol. 123, no. 9, pp. 2295-2309., Registrované v: WOS

ADCA857 MINÁRIK, P.** - ZIMINA, M. - ČÍŽEK, J. - STRÁSKA, J. - KRAJŇÁK, Tomáš - CIESLAR, M. - VLASÁK, T. - BOHLEN, J. - KURZ, G. - LETZIG, D. Increased structural stability in twin-roll cast AZ31 magnesium alloy processed by equal channel angular pressing. In *Materials Characterization*, 2019, vol. 153, p. 199-207. (2018: 3.220 - IF, Q1 - JCR, 1.295 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 1044-5803. Dostupné na: <https://doi.org/10.1016/j.matchar.2019.05.006>

Ohlasy:

1. [1.1] JAMALIAN, Maryam - REEVE, Jacqueline I. - FIELD, David

P. Thermal behavior of AZ31 gradient microstructure after cold severe surface plastic deformation. In MATERIALS CHARACTERIZATION. ISSN 1044-5803, 2020, vol. 169, 110630., Registrované v: WOS

ADCA858 MINGALEEV, S.F. - GAIDIDEI, Y.B. - MAJERNÍKOVÁ, Eva - SHPYRKO, S. Kinks in the discrete sine-Gordon model with Kac-Baker long-range interactions. In *Physical Review E*, 2000, vol. 61, no. 4, p. 4454-4461. (1999: 2.045 - IF, Current Contents - CCC). (2000 - Current Contents). ISSN 2470-0045. Dostupné na: <https://doi.org/10.1103/PhysRevE.61.4454>

Ohlasy:

1. [1.1] LANDA, Haggai - CORMICK, Cecilia - MORIGI, Giovanna. Static Kinks in Chains of Interacting Atoms. In CONDENSED MATTER. ISSN 2410-3896, 2020, vol. 5, no. 2, 35., Registrované v: WOS

ADCA859 MIŠICÁK, Róbert - NOVOTA, M. - WEIS, M. - GIGÁŇ, M. - ŠIFFALOVIČ, Peter - NÁDAŽDY, Peter - KOŽÍŠEK, J. - KOŽÍŠKOVÁ, J. - PAVÚK, M. - PUTALA, M.**. Effect of alkyl side chains on properties and organic transistor performance of 2,6-bis(2,2'-bithiophen-5yl)naphthalene. In *Synthetic Metals*, 2017, vol. 233, p. 1-14. (2016: 2.435 - IF, Q2 - JCR, 0.666 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 0379-6779. Dostupné na: <https://doi.org/10.1016/j.synthmet.2017.08.010>

Ohlasy:

1. [1.1] LAURITZEN, Andreas E. - TORKKELI, Mika - BIKONDOA, Oier - LINNET, Jes - TAVARES, Luciana - KJELSTRUP-HANSEN, Jakob - KNAAPILA, Matti. Structural Evaluation of 5,5'-Bis(naphth-2-yl)-2,2'-bithiophene in Organic Field-Effect Transistors with n-Octadecyltrichlorosilane Coated SiO₂ Gate Dielectric. In LANGMUIR. ISSN 0743-7463, 2018, vol. 34, no. 23, pp. 6727-6736., Registrované v: WOS

ADCA860 MIŠICÁK, R. - STRÍTESKÝ, S. - VALA, M. - WEITER, M. - CIGÁŇ, M. - GMUCOVÁ, Katarína - VÉGSO, Karol - WEIS, M. - KOŽÍŠEK, J. - PAVÚK, M. - PUTALA, M. Effect of the ethynylene linker on the properties and carrier mobility of naphthalene derivatives with hexylbithienyl arms. In *Synthetic Metals*, 2016, vol. 217, p. 156-171. (2015: 2.299 - IF, Q2 - JCR, 0.624 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0379-6779. Dostupné na: <https://doi.org/10.1016/j.synthmet.2016.03.034>

Ohlasy:

1. [1.1] HAQUE, Ashanul - AL-BALUSHI, Rayya A. - AL-BUSAIDI, Idris Juma - KHAN, Muhammad S. - RAITHBY, Paul R. Rise of Conjugated Polyynes and Poly(Metalla-ynes): From Design Through Synthesis to Structure-Property Relationships and Applications. In CHEMICAL REVIEWS. ISSN 0009-2665, 2018, vol. 118, no. 18, pp. 8474-8597., Registrované v: WOS

ADCA861 MITRA, A. - ROY, R.K. - MAHATO, B. - PANDA, A.K. - VLASÁK, Gabriel - JANIČKOVIČ, Dušan - ŠVEC, Peter. Development of FeSiB/CoSiB bilayered melt-spun ribbon by melt-spinning technique. In *Journal of Superconductivity and Novel Magnetism*, 2011, vol. 24, no. 1-2, p. 611-615. (2010: 1.014 - IF, Q3 - JCR, 0.666 - SJR, Q2 - SJR, Current Contents - CCC). (2011 - Current Contents). ISSN 1557-1939. Dostupné na: <https://doi.org/10.1007/s10948-010-0955-x>

Ohlasy:

1. [1.1] ZIVOTSKY, O. - TITOV, A. - JIRASKOVA, Y. - BURSÍK, J. - HENDRYCH, A. - HRABOVSKA, K. - TSEPELEV, V. S. Surface and bulk magnetic anisotropy in bilayered CoSiB/FeNbCuSiB and FeNbSiB/FeSiB ribbons. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2016, vol. 681, pp. 402-411., Registrované v: WOS

ADCA862 MIYAZAKI, Masato - WEN, Huan Fei - ZHANG, Quanzhen - ADACHI, Yuuki - BRNDIAR, Ján - ŠTICH, Ivan - LI, Yan Jun** - SUGAWARA, Yasuhiro. Imaging the surface potential at the steps on the rutile TiO₂(110) surface by Kelvin probe force microscopy. In *Beilstein Journal of Nanotechnology*, 2019, vol. 10, p. 1228-1236. (2018: 2.269 - IF, Q2 - JCR, 0.769 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 2190-4286. Dostupné na: <https://doi.org/10.3762/BJNANO.10.122>

Ohlasy:

1. [1.1] MAARISSETTY, Dileep - BARAL, Saroj Sundar. Defect engineering in photocatalysis: formation, chemistry, optoelectronics, and interface studies. In JOURNAL OF MATERIALS CHEMISTRY A. ISSN 2050-7488, 2020, vol. 8, no. 36, pp. 18560-18604., Registrované v: WOS

ADCA863 MOHAMMADY, Mohammed Hamed - ROMITO, Alessandro. Efficiency of a cyclic quantum heat engine with finite-size baths. In *Physical Review E*, 2019, vol. 100, no. 1, 012122. (2018: 2.353 - IF, Q1 - JCR, 0.992 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 2470-0045. Dostupné na: <https://doi.org/10.1103/PhysRevE.100.012122>

Ohlasy:

1. [1.1] MA, Yu-Han. Effect of Finite-Size Heat Source's Heat Capacity on the Efficiency of Heat Engine. In ENTROPY, 2020, vol. 22, no. 9, 1002., Registrované v: WOS

ADCA864 MOHAMMADY, Mohammed Hamed** - AUFFÈVES, A. - ANDERS, J. Energetic footprints of irreversibility in the quantum regime. In *Communications Physics*, 2020, vol. 3, no. 1, 89. (2019: 4.684 - IF, Q1 - JCR, 2.310 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 2399-3650. Dostupné na: <https://doi.org/10.1038/s42005-020-0356-9>

Ohlasy:

1. [1.1] BELENCHIA, Alessio - MANCINO, Luca - LANDI, Gabriel T. - PTERNOSTRO, Mauro. Entropy production in continuously measured Gaussian quantum systems. In NPJ QUANTUM INFORMATION, 2020, vol. 6, no. 1, 97., Registrované v: WOS

2. [1.1] MILLER, Harry J. D. - GUARNIERI, Giacomo - MITCHISON, Mark T. - GOOLD, John. Quantum Fluctuations Hinder Finite-Time Information Erasure near the Landauer Limit. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2020, vol. 125, no. 16, 160602., Registrované v: WOS

3. [1.1] SONE, Akira - LIU, Yi-Xiang - CAPPELLARO, Paola. Quantum Jarzynski Equality in Open Quantum Systems from the One-Time Measurement Scheme. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2020, vol. 125, no. 6, 060602., Registrované v: WOS

ADCA865 MORAVČÍKOVÁ, Lenka - ZIMAN, Mário. Entanglement-annihilating and entanglement-breaking channels. In *Journal of Physics A*, 2010, vol. 43, no. 27, 275306. (2009: 1.577 - IF, Q2 - JCR, 1.077 - SJR, Q1 - SJR, Current Contents - CCC). (2010 - Current Contents, EBSCO, SCOPUS). ISSN 1751-8113. Dostupné na: <https://doi.org/10.1088/1751-8113/43/27/275306>

Ohlasy:

1. [1.1] AOLITA, Leandro - DE MELO, Fernando - DAVIDOVICH, Luiz. Open-system dynamics of entanglement: a key issues review. In *REPORTS ON PROGRESS IN PHYSICS*. ISSN 0034-4885, 2015, vol. 78, no. 4, 042001., Registrované v: WOS
2. [1.1] FILIPPOV, Sergey N. - MAGADOV, Kamil Yu. Positive tensor products of maps and n-tensor-stable positive qubit maps. In *JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL*. ISSN 1751-8113, 2017, vol. 50, no. 5, 055301., Registrované v: WOS
3. [1.1] FILIPPOV, Sergey N. - FRIZEN, Vladimir V. - KOLOBOVA, Daria V. Ultimate entanglement robustness of two-qubit states against general local noises. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2018, vol. 97, no. 1, 012322., Registrované v: WOS
4. [1.1] FILIPPOV, Sergey N. - KUZHAMURATOVA, Ksenia V. Quantum informational properties of the Landau-Streater channel. In *JOURNAL OF MATHEMATICAL PHYSICS*. ISSN 0022-2488, 2019, vol. 60, no. 4, 042202., Registrované v: WOS
5. [1.1] FILIPPOV, S. N. EVALUATION OF NON-UNITAL QUBIT CHANNEL CAPACITIES. In *UCHENYE ZAPISKI KAZANSKOGO UNIVERSITETA-SERIYA FIZIKO-MATEMATICHESKIE NAUKI*. ISSN 2541-7746, 2018, vol. 160, no. 2, pp. 258-265., Registrované v: WOS
6. [1.1] FILIPPOV, S. N. - MAGADOV, K. Yu - JIVULESCU, M. A. Absolutely separating quantum maps and channels. In *NEW JOURNAL OF PHYSICS*. ISSN 1367-2630, 2017, vol. 19, 083010., Registrované v: WOS
7. [1.1] FILIPPOV, S. N. - MAGADOV, K. Yu. Spin Polarization-Scaling Quantum Maps and Channels. In *LOBACHEVSKII JOURNAL OF MATHEMATICS*. ISSN 1995-0802, 2018, vol. 39, no. 1, pp. 65-70., Registrované v: WOS
8. [1.1] GUO, Zhihua - CAO, Huaixin - QU, Shixian. Structures of Three Types of Local Quantum Channels Based on Quantum Correlations. In *FOUNDATIONS OF PHYSICS*. ISSN 0015-9018, 2015, vol. 45, no. 4, pp. 355., Registrované v: WOS
9. [1.1] HANSON, Eric P. - ROUZE, Cambyse - FRANCA, Daniel Stilck. Eventually Entanglement Breaking Markovian Dynamics: Structure and Characteristic Times. In *ANNALES HENRI POINCARÉ*. ISSN 1424-0637, 2020, vol. 21, no. 5, pp. 1517-1571., Registrované v: WOS
10. [1.1] HSIEH, Chung-Yun. Resource Preservability. In *QUANTUM*. ISSN 2521-327X, 2020, vol. 4., Registrované v: WOS
11. [1.1] CHRISTANDL, Matthias - MUELLER-HERMES, Alexander - WOLF, Michael M. When Do Composed Maps Become Entanglement Breaking? In *ANNALES HENRI POINCARÉ*. ISSN 1424-0637, 2019, vol. 20, no. 7, pp. 2295-2322., Registrované v: WOS
12. [1.1] LAMI, Ludovico - HUBER, Marcus. Bipartite depolarizing maps. In *JOURNAL OF MATHEMATICAL PHYSICS*. ISSN 0022-2488, 2016, vol. 57, no. 9, 092201., Registrované v: WOS

13. [1.1] LAMI, L. - GIOVANNETTI, V. Entanglement-breaking indices. In JOURNAL OF MATHEMATICAL PHYSICS. ISSN 0022-2488, 2015, vol. 56, no. 9, 092201., Registrované v: WOS
14. [1.1] MILAZZO, N. - BRAUN, D. - GIRAUD, O. Truncated moment sequences and a solution to the channel separability problem. In PHYSICAL REVIEW A. ISSN 2469-9926, 2020, vol. 102, no. 5, 052406., Registrované v: WOS
15. [1.1] MUELLER-HERMES, Alexander - REEB, David - WOLF, Michael M. Positivity of linear maps under tensor powers. In JOURNAL OF MATHEMATICAL PHYSICS. ISSN 0022-2488, 2016, vol. 57, no. 1, 015202., Registrované v: WOS
16. [1.1] SIMIDZIJA, Petar - JONSSON, Robert H. - MARTIN-MARTINEZ, Eduardo. General no-go theorem for entanglement extraction. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 12, 125002., Registrované v: WOS

ADCA866 MORHÁČ, Miroslav. A fast algorithm of nonlinear Volterra filtering. In *IEEE Transaction Signal Processing*, 1991, vol. 39, no. 10, p. 2353-2356.

Ohlasy:

1. [1.1] ORCIONI, Simone - TERENZI, Alessandro - CECCHI, Stefania - PIAZZA, Francesco - CARINI, Alberto. Identification of Volterra Models of Tube Audio Devices Using Multiple-Variance Method. In JOURNAL OF THE AUDIO ENGINEERING SOCIETY. ISSN 1549-4950, 2018, vol. 66, no. 10, pp. 823-838., Registrované v: WOS
2. [1.1] TANOVIĆ, Omer - MEGRETSKI, Alexandre - LI, Yan - STOJANOVIC, Vladimir - OSQUI, Mitra. Equivalent Baseband Models and Corresponding Digital Predistortion for Compensating Dynamic Passband Nonlinearities in Phase-Amplitude Modulation-Demodulation Schemes. In IEEE TRANSACTIONS ON SIGNAL PROCESSING. ISSN 1053-587X, 2018, vol. 66, no. 22, pp. 5972-5987., Registrované v: WOS

ADCA867 MORHÁČ, Miroslav. An algorithm for determination of peak regions and baseline elimination in spectroscopic data. In *Nuclear Instruments and Methods in Physics Research A. Accelerators, Spectrometers, Detectors and Associated Equipment*, 2009, vol. 600, no. 2, pp. 478-487. (2008: 1.019 - IF, Q2 - JCR, 0.755 - SJR, Q2 - SJR, Current Contents - CCC). (2009 - Current Contents, SCOPUS). ISSN 0168-9002. Dostupné na: <https://doi.org/10.1016/j.nima.2008.11.132>

Ohlasy:

1. [1.1] BURLA, Maria Cristina - CALIANDRO, Rocco - CARROZZINI, Benedetta - CASCARANO, Giovanni Luca - CUOCCI, Corrado - GIACOVAZZO, Carmelo - MALLAMO, Mariarosaria - MAZZONE, Annamaria - POLIDORI, Giampiero. Crystal structure determination and refinement via SIR2014. In JOURNAL OF APPLIED CRYSTALLOGRAPHY. ISSN 1600-5767, 2015, vol. 48, pp. 306., Registrované v: WOS
2. [1.1] GEORGES, R. - THIEVIN, J. - BENIDAR, A. - CARIÉS, S. - AMYAY, B. - LOUVIOT, M. - BOUDON, V. - VANDER AUWERA, J. High enthalpy source dedicated to quantitative infrared emission spectroscopy of gas flows at elevated temperatures. In REVIEW OF SCIENTIFIC INSTRUMENTS. ISSN 0034-6748, 2019, vol. 90, no. 9, 093103., Registrované v: WOS
3. [1.1] GUO DONG-YA - WANG HUAN-YU - PENG WEN-XI - CUI

- XING-ZHU - ZHANG CHENG-MO - LIU YA-QING - LIANG XIAO-HUA - DONG YI-FAN - WANG JIN-ZHOU - GAO MIN - YANG JIA-WEI - ZHANG JIA-YU - LI CHUN-LAI - ZOU YONG-LIAO - ZHANG GUANG-LIANG - ZHANG LI-YAN - FU XIAO-HUI. Ground-based verification and data processing of Yutu rover Active Particle-induced X-ray Spectrometer. In CHINESE PHYSICS C. ISSN 1674-1137, 2015, vol. 39, no. 7, 076002., Registrované v: WOS
4. [1.1] HAN, Qianjie - XIE, Qiong - PENG, Silong - GUO, Baokui. Simultaneous spectrum fitting and baseline correction using sparse representation. In ANALYST. ISSN 0003-2654, 2017, vol. 142, no. 13, pp. 2460-2468., Registrované v: WOS
5. [1.1] HE, Jianfeng - XIAO, Hailing - YANG, Yaozong - QU, Jianhui - XU, Hongkun - LIN, Liu. A Study of Background Subtraction Method for NaI(Tl) Instrument Spectrum Based on Adaptive FWHM. In PROCEEDINGS OF THE 3RD INTERNATIONAL CONFERENCE ON MECHANICAL ENGINEERING AND INTELLIGENT SYSTEMS (ICMEIS 2015). ISSN 2352-5401, 2015, vol. 26, pp. 462., Registrované v: WOS
6. [1.1] HE, Jian-Feng - YANG, Yao-Zong - QU, Jin-Hui - WU, Qi-Fan - XIAO, Hai-Ling - YU, Cong-Cong. An inversion decomposition method for better energy resolution of NaI(Tl) scintillation detectors based on a Gaussian response matrix. In NUCLEAR SCIENCE AND TECHNIQUES. ISSN 1001-8042, 2016, vol. 27, no. 3, 58., Registrované v: WOS
7. [1.1] JENTZSCH, Paul Vargas - CIOBOTA, Valerian - SALINAS, Wilson - KAMPE, Bernd - APONTE, Pedro M. - ROESCH, Petra - POPP, Juergen - RAMOS, Luis A. Distinction of Ecuadorian varieties of fermented cocoa beans using Raman spectroscopy. In FOOD CHEMISTRY. ISSN 0308-8146, 2016, vol. 211, no., pp. 274-280., Registrované v: WOS
8. [1.1] KONG, Dejing - WANG, Xuanze - ZHANG, Mengxu - LIU, Meng. Online Measurement and Control of Natural Gas Based on Raman Spectroscopy. In SEVENTH INTERNATIONAL SYMPOSIUM ON PRECISION MECHANICAL MEASUREMENTS. ISSN 0277-786X, 2016, vol. 9903, 99030Y., Registrované v: WOS
9. [1.1] KORINTH, Florian - SCHMAELZLIN, Elmar - STIEBING, Clara - URRUTIA, Tanya - MICHEVA, Genoveva - SANDIN, Christer - MUELLER, Andre - MAIWALD, Martin - SUMPF, Bernd - KRAFFT, Christoph - TRAENKLE, Guenther - ROTH, Martin M. - POPP, Juergen. Wide Field Spectral Imaging with Shifted Excitation Raman Difference Spectroscopy Using the Nod and Shuffle Technique. In SENSORS, 2020, vol. 20, no. 23, 6723., Registrované v: WOS
10. [1.1] LIU, Cuihong - PAN, Xingyu - MA, Hao - ZENG, Zhi - LI, Junli - ZHANG, Hui. A study on neutron energy spectrum estimation by LaBr₃:Ce detector. In JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY. ISSN 0236-5731, 2019, vol. 320, no. 3, pp. 859-864., Registrované v: WOS
11. [1.1] LIU, C. - MA, H. - PAN, X. - ZENG, Z. - LI, J. - ZHANG, H. Response of LaBr₃:Ce scintillation detector itself to fast neutrons. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, 2019, vol. 14, P06029., Registrované v: WOS
12. [1.1] LI, Fei - GE, Liangquan - TANG, Zhuoyao - CHEN, Yi - WANG, Jing. Recent developments on XRF spectra evaluation. In APPLIED

SPECTROSCOPY REVIEWS. ISSN 0570-4928, 2020, vol. 55, no. 4, pp. 263-287., Registrované v: WOS

13. [1.1] LI, Fei - GU, Zhixing - GE, Liangquan - LI, Hui - TANG, Xinyu - LANG, Xinle - HU, Bo. Review of recent gamma spectrum unfolding algorithms and their application. In RESULTS IN PHYSICS. ISSN 2211-3797, 2019, vol. 13, 102211., Registrované v: WOS

14. [1.1] MULE, G. - BURLET, C. - VANBRABANT, Y. Automated curve fitting and unsupervised clustering of manganese oxide Raman responses. In JOURNAL OF RAMAN SPECTROSCOPY. ISSN 0377-0486, 2017, vol. 48, no. 11, pp. 1665-1675., Registrované v: WOS

15. [1.1] PAHLOW, Susanne - STOECKEL, Stephan - POLLOK, Sibyll - CIALLA-MAY, Dana - ROESCH, Petra - WEBER, Karina - POPP, Juergen. Rapid Identification of Pseudomonas spp. via Raman Spectroscopy Using Pyoverdine as Capture Probe. In ANALYTICAL CHEMISTRY. ISSN 0003-2700, 2016, vol. 88, no. 3, pp. 1570-1577., Registrované v: WOS

16. [1.1] PROUDIAN, Andrew P. - JASKOT, Matthew B. - DIERCKS, David R. - GORMAN, Brian P. - ZIMMERMAN, Jeremy D. Atom Probe Tomography of Molecular Organic Materials: Sub-Dalton Nanometer-Scale Quantification. In CHEMISTRY OF MATERIALS. ISSN 0897-4756, 2019, vol. 31, no. 7, pp. 2241-2247., Registrované v: WOS

17. [1.1] QIAN, Fang - WU, Yihui - HAO, Peng. A fully automated algorithm of baseline correction based on wavelet feature points and segment interpolation. In OPTICS AND LASER TECHNOLOGY. ISSN 0030-3992, 2017, vol. 96, pp. 202-207., Registrované v: WOS

18. [1.1] SALVADOR, Lorena - GUIJARRO, Michelle - RUBIO, Daniela - AUCATOMA, Bolivar - GUILLEN, Tanya - VARGAS JENTZSCH, Paul - CIOBOTA, Valerian - STOLKER, Linda - ULIC, Sonia - VASQUEZ, Luis - GARRIDO, Patricia - BRAVO, Juan - RAMOS GUERRERO, Luis. Exploratory Monitoring of the Quality and Authenticity of Commercial Honey in Ecuador. In FOODS. ISSN 2304-8158, 2019, vol. 8, no. 3, 105., Registrované v: WOS

19. [1.1] SCHULZE, H. Georg - TURNER, Robin F. B. Development and Integration of Block Operations for Data Invariant Automation of Digital Preprocessing and Analysis of Biological and Biomedical Raman Spectra. In APPLIED SPECTROSCOPY. ISSN 0003-7028, 2015, vol. 69, no. 6, pp. 643., Registrované v: WOS

20. [1.1] SCHWARZ, Martha - KLOSS, Sandra - STOECKEL, Stephan - POLLOK, Sibyll - HOLLAENDER, Andreas - CIALLA-MAY, Dana - WEBER, Karina - POPP, Juergen. Pioneering particle-based strategy for isolating viable bacteria from multipart soil samples compatible with Raman spectroscopy. In ANALYTICAL AND BIOANALYTICAL CHEMISTRY. ISSN 1618-2642, 2017, vol. 409, no. 15, pp. 3779-3788., Registrované v: WOS

21. [1.1] SOARES-CASTRO, Pedro - MONTENEGRO-SILVA, Pedro - HEIPIEPER, Hermann J. - SANTOS, Pedro M. Functional Characterization of a 28-Kilobase Catabolic Island from Pseudomonas sp Strain M1 Involved in Biotransformation of beta-Myrcene and Related Plant-Derived Volatiles. In APPLIED AND ENVIRONMENTAL MICROBIOLOGY. ISSN 0099-2240, 2017, vol. 83, no. 9, UNSP e03112-16., Registrované v: WOS

22. [1.1] STANFORD, Tyman E. - BAGLEY, Christopher J. - SOLOMON, Patty J. Informed baseline subtraction of proteomic mass

- spectrometry data aided by a novel sliding window algorithm. In *PROTEOME SCIENCE*. ISSN 1477-5956, 2016, vol. 14, 19., Registrované v: WOS
23. [1.1] STOECKEL, Stephan - MEISEL, Susann - ELSCHNER, Mandy - MELZER, Falk - ROESCH, Petra - POPP, Juergen. Raman spectroscopic detection and identification of *Burkholderia mallei* and *Burkholderia pseudomallei* in feedstuff. In *ANALYTICAL AND BIOANALYTICAL CHEMISTRY*. ISSN 1618-2642, 2015, vol. 407, no. 3, pp. 787., Registrované v: WOS
24. [1.1] STOECKEL, Stephan - MEISEL, Susann - LORENZ, Bjoern - KLOSS, Sandra - HENK, Sandra - DEES, Stefan - RICHTER, Elvira - ANDRES, Soenke - MERKER, Matthias - LABUGGER, Ines - ROESCH, Petra - POPP, Juergen. Raman spectroscopic identification of *Mycobacterium tuberculosis*. In *JOURNAL OF BIOPHOTONICS*. ISSN 1864-063X, 2017, vol. 10, no. 5, pp. 727-734., Registrované v: WOS
25. [1.1] TOMOYORI, K. - HIRANO, Y. - KURIHARA, K. - TAMADA, T. Background elimination using the SNIP algorithm for Bragg reflections from a protein crystal measured by a TOF single-crystal neutron diffractometer. In *21ST INTERNATIONAL CONFERENCE ON COMPUTING IN HIGH ENERGY AND NUCLEAR PHYSICS (CHEP2015), PARTS 1-9*. ISSN 1742-6588, 2015, vol. 664, 072049., Registrované v: WOS
26. [1.1] YANG, Guofeng - DAI, Jiakai - LIU, Xiangjun - CHEN, Meng - WU, Xiaolong. Multiple Constrained Reweighted Penalized Least Squares for Spectral Baseline Correction. In *APPLIED SPECTROSCOPY*. ISSN 0003-7028, 2020, vol. 74, no. 12, pp. 1443-1451., Registrované v: WOS
27. [1.1] ZENG, Zhi - PAN, Xingyu - MA, Hao - HE, Jianhua - CANG, Jirong - ZENG, Ming - MI, Yuhao - CHENG, Jianping. Optimization of an underwater in-situ LaBr₃:Ce spectrometer with energy self-calibration and efficiency calibration. In *APPLIED RADIATION AND ISOTOPES*. ISSN 0969-8043, 2017, vol. 121, pp. 101-108., Registrované v: WOS

ADCA868 MORHÁČ, Miroslav. An iterative error-free algorithm to solve Vandermonde systems. In *Applied Mathematics and Computation*, 2001, vol. 117, p. 45-54.
Dostupné na: [https://doi.org/10.1016/S0096-3003\(99\)00154-X](https://doi.org/10.1016/S0096-3003(99)00154-X)

Ohlasy:

1. [1.1] PREKOPA, Andras - NINH, Anh - ALEXE, Gabriela. On the relationship between the discrete and continuous bounding moment problems and their numerical solutions. In *ANNALS OF OPERATIONS RESEARCH*. ISSN 0254-5330, 2016, vol. 238, no. 1-2, pp. 521-575., Registrované v: WOS

ADCA869 MORHÁČ, Miroslav - MATOUŠEK, Vladislav - KLIMAN, Ján - KRUPA, L. - JANDEL, Marián. Analysis of coincidence gamma-ray spectra using advanced background elimination unfolding and fitting algorithms. In *Nuclear Instruments and Methods in Physics Research A. Accelerators, Spectrometers, Detectors and Associated Equipment*, 2003, vol. 502, no. 2-3, p. 784-786. (2002: 1.167 - IF, Current Contents - CCC). (2003 - Current Contents, SCOPUS). ISSN 0168-9002.
Dostupné na: [https://doi.org/10.1016/S0168-9002\(03\)00582-5](https://doi.org/10.1016/S0168-9002(03)00582-5)

Ohlasy:

1. [1.1] ZHU, Meng-Hua. On estimating the background of remote sensing gamma-ray spectroscopic data. In *NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS*

ADCA870 MORHÁČ, Miroslav - KLIMAN, Ján - MATOUŠEK, Vladislav -
VESELSKÝ, Martin - TURZO, Ivan. Background elimination methods for
multidimensional coincidence gamma-ray spectra. In *Nuclear Instruments and
Methods in Physics Research A*, 1997, vol. 401, no. 1, p. 113-132. (1996: 1.038 -
IF, Current Contents - CCC). (1997 - Current Contents, SCOPUS). ISSN
0168-9002. Dostupné na: [https://doi.org/10.1016/S0168-9002\(97\)01023-1](https://doi.org/10.1016/S0168-9002(97)01023-1)

Ohlasy:

1. [1.1] AL JEBALI, Ramsey - ANNAND, John R. M. - ADLER, Jan-Olof - AKKURT, Iskender - BUCHANAN, Emma - BRUDVIK, Jason - FISSUM, Kevin - GARDNER, Simon - HAMILTON, David J. - HANSEN, Kurt - ISAKSSON, Lennart - LIVINGSTON, Kenneth - LUNDIN, Magnus - MCGEORGE, John C. - MACGREGOR, Ian J. D. - MACRAE, Roderick - MIDDLETON, Duncan G. - REITER, Andreas J. H. - ROSNER, Guenther - SCHRODER, Bent - SJOGREN, Johan - SOKHAN, Daria - STRANDBERG, Bruno. A helium gas scintillator active target for photoreaction measurements. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2015, vol. 51, no. 10, 123., Registrované v: WOS
2. [1.1] AROSIO, V. - CACCIA, M. - CHMILL, V. - EBOLESE, A. - LOCATELLI, M. - MARTEMIYANOV, A. - MATTONE, C. - SANTORO, R. - TINTORI, C. Development of a Silicon Photomultiplier toolkit for science and education. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, 2015, vol. 10, C07012., Registrované v: WOS
3. [1.1] ASHENFELTER, J. et all. Background radiation measurements. In NUCLEAR INSTRUMENTS AND METHODS, 2016, vol. 806, p. 401-419., Registrované v: WOS
4. [1.1] BEGUIER, Serge - KASSI, Samir - CAMPARGUE, Alain. An empirical line list for methane in the 1.25 μ m transparency window. In JOURNAL OF MOLECULAR SPECTROSCOPY. ISSN 0022-2852, 2015, vol. 308, pp. 1., Registrované v: WOS
5. [1.1] CARVALHO, Patricia M. S. - PESSANHA, Sofia - MACHADO, Jorge - SILVA, Ana Luisa - VELOSO, Joao - CASAL, Diogo - PAIS, Diogo - SANTOS, Jose Paulo. Energy dispersive X-ray fluorescence quantitative analysis of biological samples with the external standard method. In SPECTROCHIMICA ACTA PART B-ATOMIC SPECTROSCOPY. ISSN 0584-8547, 2020, vol. 174, 105991., Registrované v: WOS
6. [1.1] DAL BELLO, Riccardo - MARTINS, Paulo Magalhaes - GRACA, Joao - HERMANN, German - KIHLM, Thomas - SECO, Joao. Results from the experimental evaluation of CeBr₃ scintillators for ⁴He prompt gamma spectroscopy. In MEDICAL PHYSICS. ISSN 0094-2405, 2019, vol. 46, no. 8, pp. 3615-3626., Registrované v: WOS
7. [1.1] DION, Michael P. - MILLER, Brian W. - WARREN, Glen A. Alpha and conversion electron spectroscopy of (PU)-P-238,239 and Am-241 and alpha-conversion electron coincidence measurements. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, 2016, vol. 830, no., pp. 6-12., Registrované v: WOS

8. [1.1] EIGEN, G. - CVACH, J. - KVASNICKA, J. - POLAK, I - TRAEET, A. - ZALIECKAS, J. Gain stabilization of SiPMs with an adaptive power supply. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, 2019, vol. 14, p05006., Registrované v: WOS
9. [1.1] GAMBA, E. R. - BRUCE, A. M. - RUDIGIER, M. Treatment of background in gamma-gamma fast-timing measurements. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, 2019, vol. 928, pp. 93-103., Registrované v: WOS
10. [1.1] GUAN, Ju - LU, Fang-Jun - ZHANG, Shu - SONG, Li-Ming - CHEN, Yong - LIAO, Jin-Yuan - LI, Cheng-Kui - NANG, Yi - SAI, Na - WANG, Chen - ZHANG, Shuang-Nan. A modified direct demodulation method applied to Insight-HXMT Galactic plane scanning survey. In JOURNAL OF HIGH ENERGY ASTROPHYSICS. ISSN 2214-4048, 2020, vol. 26, pp. 11-20., Registrované v: WOS
11. [1.1] HAN, Quanjie - XIE, Qiong - PENG, Silong - GUO, Baokui. Simultaneous spectrum fitting and baseline correction using sparse representation. In ANALYST. ISSN 0003-2654, 2017, vol. 142, no. 13, pp. 2460-2468., Registrované v: WOS
12. [1.1] HE, Jianfeng - XIAO, Hailing - YANG, Yaozong - QU, Jianhui - XU, Hongkun - LIN, Liu. A Study of Background Subtraction Method for NaI(Tl) Instrument Spectrum Based on Adaptive FWHM. In PROCEEDINGS OF THE 3RD INTERNATIONAL CONFERENCE ON MECHANICAL ENGINEERING AND INTELLIGENT SYSTEMS (ICMEIS 2015). ISSN 2352-5401, 2015, vol. 26, pp. 462., Registrované v: WOS
13. [1.1] HE, Jian-Feng - WU, Qi-Fan - CHENG, Jian-Ping - FANG, Fang - YANG, Yao-Zong - QU, Jin-Hui. An inversion decomposition test based on Monte Carlo response matrix on the gamma-ray spectra from NaI(Tl) scintillation detector. In NUCLEAR SCIENCE AND TECHNIQUES. ISSN 1001-8042, 2016, vol. 27, no. 4, 101., Registrované v: WOS
14. [1.1] JANG, Wooyoung - ZAMAN, Muhammad - KIM, Guinyun - NAIK, Haladhara - CHOI, Jeongyun - YANG, Hyunseo - LEE, Jeongwoo - OH, Joonhee - CHOI, Youlki. Measurement of half-lives for Y-87m, Y-g and Au-196m, Au-g, Au-194 produced from the photon and neutron induced reactions of Y-89 and Au-197. In JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY. ISSN 0236-5731, 2019, vol. 321, no. 2, pp. 765-773., Registrované v: WOS
15. [1.1] JUNG, Seongmoon - LEE, Jimin - CHO, Hyungjoo - KIM, Taeyun - YE, Sung-Joon. Compton Background Elimination for in Vivo X-Ray Fluorescence Imaging of Gold Nanoparticles Using Convolutional Neural Network. In IEEE TRANSACTIONS ON NUCLEAR SCIENCE. ISSN 0018-9499, 2020, vol. 67, no. 11, pp. 2311-2320., Registrované v: WOS
16. [1.1] KAGAYA, M. - KATAGIRI, H. - ENOMOTO, R. - HANAFUSA, R. - HOSOKAWA, M. - ITOH, Y. - MURAISHI, H. - NAKAYAMA, K. - SATOH, K. - TAKEDA, T. - TANAKA, M. M. - UCHIDA, T. - WATANABE, T. - YANAGITA, S. - YOSHIDA, T. - UMEHARA, K. Development of a low-cost-high-sensitivity Compton camera using CsI (Tl) scintillators (gamma I). In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS

- DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, 2015, vol. 804, pp. 25., Registrované v: WOS
17. [1.1] KAMPE, Bernd - KLOSS, Sandra - BOCKLITZ, Thomas - ROESCH, Petra - POPP, Juergen. Recursive feature elimination in Raman spectra with support vector machines. In FRONTIERS OF OPTOELECTRONICS. ISSN 2095-2759, 2017, vol. 10, no. 3, pp. 273-279., Registrované v: WOS
18. [1.1] KHOMENKO, Iuliia - STEFANINI, Irene - CAPPELLIN, Luca - CAPPELLETTI, Valentina - FRANCESCHI, Pietro - CAVALIERI, Duccio - MAERK, Tilmann D. - BIASIOLI, Franco. Non-invasive real time monitoring of yeast volatiles by PTR-ToF-MS. In METABOLOMICS. ISSN 1573-3882, 2017, vol. 13, no. 10, 118., Registrované v: WOS
19. [1.1] KLOSS, Sandra - LORENZ, Bjoern - DEES, Stefan - LABUGGER, Ines - ROESCH, Petra - POPP, Juergen. Destruction-free procedure for the isolation of bacteria from sputum samples for Raman spectroscopic analysis. In ANALYTICAL AND BIOANALYTICAL CHEMISTRY. ISSN 1618-2642, 2015, vol. 407, no. 27, pp. 8333., Registrované v: WOS
20. [1.1] KLOSS, Sandra - ROESCH, Petra - PFISTER, Wolfgang - KIEHNTOFF, Michael - POPP, Juergen. Toward Culture-Free Raman Spectroscopic Identification of Pathogens in Ascitic Fluid. In ANALYTICAL CHEMISTRY. ISSN 0003-2700, 2015, vol. 87, no. 2, pp. 937., Registrované v: WOS
21. [1.1] KUSIC, Dragana - KAMPE, Bernd - RAMOJI, Anuradha - NEUGEBAUER, Ute - ROESCH, Petra - POPP, Juergen. Raman spectroscopic differentiation of planktonic bacteria and biofilms. In ANALYTICAL AND BIOANALYTICAL CHEMISTRY. ISSN 1618-2642, 2015, vol. 407, no. 22, pp. 6803., Registrované v: WOS
22. [1.1] LAZICKI, A. - RYGG, J. R. - COPPARI, F. - SMITH, R. - FRATANUONO, D. - KRAUS, R. G. - COLLINS, G. W. - BRIGGS, R. - BRAUN, D. G. - SWIFT, D. C. - EGGERT, J. H. X-Ray Diffraction of Solid Tin to 1.2 TPa. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 115, no. 7, 075502., Registrované v: WOS
23. [1.1] LEE, Taewoong - KIM, Younghak - JO, Ajin - KIM, Jongguk - LEE, Wonho. Performance of a virtual frisch-grid CdZnTe detector for prompt gamma-ray induced by 14 MeV neutrons: Monte Carlo simulation study. In APPLIED RADIATION AND ISOTOPES. ISSN 0969-8043, 2019, vol. 153, 108818., Registrované v: WOS
24. [1.1] LIN, Qingyu - LAZAREVA, Ekaterina N. - KOCHUBEY, Vyacheslav - DUAN, Yixiang - TUCHIN, Valery V. Kinetics of optical clearing of human skin studied in vivo using portable Raman spectroscopy. In LASER PHYSICS LETTERS. ISSN 1612-2011, 2020, vol. 17, no. 10, 105601., Registrované v: WOS
25. [1.1] LI, Fei - GU, Zhixing - GE, Liangquan - LI, Hui - TANG, Xinyu - LANG, Xinle - HU, Bo. Review of recent gamma spectrum unfolding algorithms and their application. In RESULTS IN PHYSICS. ISSN 2211-3797, 2019, vol. 13, 102211., Registrované v: WOS
26. [1.1] LI, Haoran - DAI, Jisheng - PAN, Tianhong - CHANG, Chunqi - SO, Hing Cheung. Sparse Bayesian learning approach for baseline correction. In CHEMOMETRICS AND INTELLIGENT LABORATORY SYSTEMS. ISSN

0169-7439, 2020, vol. 204, 104088., Registrované v: WOS

27. [1.1] LUO, Qi - LIAO, Jin-Yuan - LI, Xu-Fang - LI, Gang - ZHANG, Juan - LIU, Cong-Zhan - LI, Xiao-Bo - ZHU, Yue - LI, Cheng-Kui - HUANG, Yue - GE, Ming-Yu - XU, Yu-Peng - LI, Zheng-Wei - CAI, Ce - XIAO, Shuo - YI, Qi-Bin - ZHANG, Yi-Fei - XIONG, Shao-Lin - ZHANG, Shu - ZHANG, Shuang-Nan. Calibration of the instrumental response of Insight-HXMT/HE CsI detectors for gamma-ray monitoring. In JOURNAL OF HIGH ENERGY ASTROPHYSICS. ISSN 2214-4048, 2020, vol. 27, pp. 1-13., Registrované v: WOS

28. [1.1] MACHADO, Jorge - CARVALHO, Patricia Miguel - FELIX, Ana - DOUTEL, Delfin - SANTOS, Jose Paulo - CARVALHO, Maria Luisa - PESSANHA, Sofia. Accuracy improvement in XRF analysis for the quantification of elements ranging from tenths to thousands $\mu\text{g g}^{-1}$ in human tissues using different matrix reference materials. In JOURNAL OF ANALYTICAL ATOMIC SPECTROMETRY. ISSN 0267-9477, 2020, vol. 35, no. 12, pp. 2920-2927., Registrované v: WOS

29. [1.1] MCFADDEN, Ryan M. L. - BUCK, Terry J. - CHATZICHRISTOS, Aris - CHEN, Chia-Chin - CHOW, Kim H. - CORTIE, David L. - DEHN, Martin H. - KARNER, Victoria L. - KOUMOULIS, Dimitrios - LEVY, C. D. Philip - LI, Chilin - MCKENZIE, Iain - MERKLE, Rotraut - MORRIS, Gerald D. - PEARSON, Matthew R. - SALMAN, Zaher - SAMUELIS, Dominik - STACHURA, Monika - XIAO, Jiyu - MAIER, Joachim - KIEFL, Robert F. - MACFARLANE, W. Andrew. Microscopic Dynamics of Li^+ in Rutile TiO_2 Revealed by Li-8 beta-Detected Nuclear Magnetic Resonance. In CHEMISTRY OF MATERIALS. ISSN 0897-4756, 2017, vol. 29, no. 23, pp. 10187-10197., Registrované v: WOS

30. [1.1] MOHAMMADI-DADKAN, M. - AMIR-AHMADI, H. R. - BAYAT, M. T. - DELTUVA, A. - ESLAMI-KALANTARI, M. - GOLAK, J. - KALANTAR-NAYESTANAKI, N. - KISTRYN, St - KOZELA, A. - MARDANPOUR, H. - MEHMANDOOST-KHAJEH-DAD, A. A. - MESSCHENDORP, J. G. - RAMAZANI-MOGHADDAM-ARANI, A. - RAMAZANI-SHARIFABADI, R. - SKIBINSKI, R. - STEPHAN, E. - TAVAKOLI-ZANIANI, H. - WITALA, H. Analyzing powers in $d(p, p)n$ at intermediate and large scattering angles at 190 MeV. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2020, vol. 56, no. 3, 81., Registrované v: WOS

31. [1.1] NANG, Yi - LIAO, Jin-Yuan - SAI, Na - WANG, Chen - GUAN, Ju - LI, Cheng-Kui - GUO, Cheng-Cheng - LIU, Yuan - JIN, Jing - LI, Xiao-Bo - ZHANG, Shu - ZHANG, Shuang-Nan. In-orbit calibration to the point-spread function of Insight-HXMT. In JOURNAL OF HIGH ENERGY ASTROPHYSICS. ISSN 2214-4048, 2020, vol. 25, pp. 39-47., Registrované v: WOS

32. [1.1] NEGM, Hani - OHGAKI, Hideaki - DAITO, Izuru - HAYAKAWA, Takehito - ZEN, Heishun - KII, Toshiteru - MASUDA, Kai - HORI, Toshitada - HAJIMA, Ryoichi - SHIZUMA, Toshiyuki - KIKUZAWA, Nobuhiro. Reaction-yield dependence of the (γ , γ') reaction of U-238 on the target thickness. In JOURNAL OF NUCLEAR SCIENCE AND TECHNOLOGY. ISSN 0022-3131, 2015, vol. 52, no. 6, pp. 811., Registrované v: WOS

33. [1.1] PINTO, M. - BAJARD, M. - BRONS, S. - CHEVALLIER, M. -

- DAUVERGNE, D. - DEDES, G. - DE RYDT, M. - FREUD, N. - KRIMMER, J. - LA TESSA, C. - LETANG, J. M. - PARODI, K. - PLESKAC, R. - PRIEELS, D. - RAY, C. - RINALDI, I. - ROELLINGHOFF, F. - SCHARDT, D. - TESTA, E. - TESTA, M. Absolute prompt-gamma yield measurements for ion beam therapy monitoring. In PHYSICS IN MEDICINE AND BIOLOGY. ISSN 0031-9155, 2015, vol. 60, no. 2, pp. 565., Registrované v: WOS
34. [1.1] RYGG, J. R. - SMITH, R. F. - LAZICKI, A. E. - BRAUN, D. G. - FRATANDUONO, D. E. - KRAUS, R. G. - MCNANEY, J. M. - SWIFT, D. C. - WEHRENBURG, C. E. - COPPARI, F. - AHMED, M. F. - BARRIOS, M. A. - BLOBAUM, K. J. M. - COLLINS, G. W. - COOK, A. L. - DI NICOLA, P. - DZENITIS, E. G. - GONZALES, S. - HEIDL, B. F. - HOHENBERGER, M. - HOUSE, A. - IZUMI, N. - KALANTAR, D. H. - KHAN, S. F. - KOHUT, T. R. - KUMAR, C. - MASTERS, N. D. - POLSIN, D. N. - REGAN, S. P. - SMITH, C. A. - VIGNES, R. M. - WALL, M. A. - WARD, J. - WARK, J. S. - ZOBRIST, T. L. - ARSENLIS, A. - EGGERT, J. H. X-ray diffraction at the National Ignition Facility. In REVIEW OF SCIENTIFIC INSTRUMENTS. ISSN 0034-6748, 2020, vol. 91, no. 4., Registrované v: WOS
35. [1.1] SCHUG, David - NADIG, Vanessa - WEISSLER, Bjoern - GEBHARDT, Pierre - SCHULZ, Volkmar. Initial Measurements with the PETsys TOFPET2 ASIC Evaluation Kit and a Characterization of the ASIC TDC. In IEEE TRANSACTIONS ON RADIATION AND PLASMA MEDICAL SCIENCES. ISSN 2469-7311, 2019, vol. 3, no. 4, pp. 444-453., Registrované v: WOS
36. [1.1] SCHUG, David - WEHNER, Jakob - GOLDSCHMIDT, Benjamin - LERCHE, Christoph - DUEPPENBECKER, Peter Michael - HALLEN, Patrick - WEISSLER, Bjoern - GEBHARDT, Pierre - KIESSLING, Fabian - SCHULZ, Volkmar. Data Processing for a High Resolution Preclinical PET Detector Based on Philips DPC Digital SiPMs. In IEEE TRANSACTIONS ON NUCLEAR SCIENCE. ISSN 0018-9499, 2015, vol. 62, no. 3, pp. 669., Registrované v: WOS
37. [1.1] SMIGIC, Nada - DJEKIC, Ilija - TOMASEVIC, Igor - STANISIC, Nikola - NEDELJKOVIC, Aleksandar - LUKOVIC, Verica - MIOCINOVIC, Jelena. Organic and conventional milk insight on potential differences. In BRITISH FOOD JOURNAL. ISSN 0007-070X, 2017, vol. 119, no. 2, pp. 366-376., Registrované v: WOS
38. [1.1] TODOROKI, K. et all. Instrumentation for measurement of in-flight annihilations of 130 keV antiprotons on thin target foils. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A. ISSN 0168-9002, 2016, vol. 835, no., pp. 110-118., Registrované v: WOS
39. [1.1] TOMOYORI, K. - HIRANO, Y. - KURIHARA, K. - TAMADA, T. Background elimination using the SNIP algorithm for Bragg reflections from a protein crystal measured by a TOF single-crystal neutron diffractometer. In JOURNAL OF PHYSICS CONFERENCE SERIES, 2015, vol. 664, 072049., Registrované v: WOS
40. [1.1] TOSSON, A. - SHOKR, M. - ABBOUD, A. - BEBAWY, Y. - ALGASHI, A. - HARTMANN, R. - KLAUS, M. - GENZEL, C. - STRUEDER, L. - PIETSCH, U. EDLD-Tool: A real-time GPU-based tool to stream and analyze energy-dispersive Laue diffraction of BIG Data sets collected by a pnCCD. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, 2019, vol. 14, P01008., Registrované v: WOS

41. [1.1] ZHU, Meng-Hua. On estimating the background of remote sensing gamma-ray spectroscopic data. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A. ISSN 0168-9002, 2016, vol. 832, no., pp. 259-263., Registrované v: WOS

ADCA871 MORHÁČ, Miroslav - MATOUŠEK, Vladislav. Complete positive deconvolution of spectrometric data. In *Digital Signal Processing*, 2009, vol. 19, no. 3, p.372-392. ISSN 1051-2004. Dostupné na: <https://doi.org/10.1016/j.dsp.2008.06.002>

Ohlasy:

1. [1.1] ALIZADEH, Davood - ASHRAFI, Saleh. New hybrid metaheuristic algorithm for scintillator gamma ray spectrum analysis. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, 2019, vol. 915, pp. 1-9., Registrované v: WOS
2. [1.1] AMADE, Nicola Sarzi - BETTELLI, Manuele - ZAMBELLI, Nicola - ZANETTINI, Silvia - BENASSI, Giacomo - ZAPPETTINI, Andrea. Gamma-Ray Spectral Unfolding of CdZnTe-Based Detectors Using a Genetic Algorithm. In SENSORS, 2020, vol. 20, no. 24, 7316., Registrované v: WOS
3. [1.1] BETTELLI, Manuele - AMADE, Nicola Sarzi - CALESTANI, Davide - GARAVELLI, Bruno - POZZI, Pietro - MACERA, Daniele - ZANOTTI, Luca - GONANO, Carlo Andrea - VEALE, Matthew C. - ZAPPETTINI, Andrea. A first principle method to simulate the spectral response of CdZnTe-based X- and gamma-ray detectors. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, 2020, vol. 960, 163663., Registrované v: WOS
4. [1.1] GORNUSHKIN, I. B. - VOELKER, T. - KAZAKOV, A. Ya. Extension and investigation by numerical simulations of algorithm for calibration-free laser induced breakdown spectroscopy. In SPECTROCHIMICA ACTA PART B-ATOMIC SPECTROSCOPY. ISSN 0584-8547, 2018, vol. 147, pp. 149-163., Registrované v: WOS
5. [1.1] HE, Jian-Feng - YANG, Yao-Zong - QU, Jin-Hui - WU, Qi-Fan - XIAO, Hai-Ling - YU, Cong-Cong. An inversion decomposition method for better energy resolution of NaI(Tl) scintillation detectors based on a Gaussian response matrix. In NUCLEAR SCIENCE AND TECHNIQUES. ISSN 1001-8042, 2016, vol. 27, no. 3, 58., Registrované v: WOS
6. [1.1] HE, Jian-Ping - TANG, Xiao-Bin - GONG, Pin - WANG, Peng - HAN, Zhen-Yang - YAN, Wen - GAO, Le. Spectrometry analysis based on approximation coefficients and deep belief networks. In NUCLEAR SCIENCE AND TECHNIQUES. ISSN 1001-8042, 2018, vol. 29, no. 5, 69., Registrované v: WOS
7. [1.1] LI, Jinglun - XIAO, Wuyun - AI, Xianyun - CHEN, Ye. Nonnegative constraint quadratic program technique to enhance the resolution of gamma spectra. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, 2018, vol. 887, pp. 169-173., Registrované v: WOS
8. [1.1] LI, Tianqi - HOU, Zongyu - FU, Yangting - YU, Jianlong - GU,

Weilun - WANG, Zhe. Correction of self-absorption effect in calibration-free laser-induced breakdown spectroscopy (CF-LIBS) with blackbody radiation reference. In ANALYTICA CHIMICA ACTA. ISSN 0003-2670, 2019, vol. 1058, pp. 39-47., Registrované v: WOS

9. [1.1] MAALI, J. J. - SHABANOV, S. V. Error analysis in optimization problems relevant for calibration-free laser-induced breakdown spectroscopy. In JOURNAL OF QUANTITATIVE SPECTROSCOPY & RADIATIVE TRANSFER. ISSN 0022-4073, 2019, vol. 222, pp. 236-246., Registrované v: WOS

10. [1.1] SHI, Rui - TUO, Xian-Guo - LI, Huai-Liang - XU, Yang-Yang - SHI, Fan-Rong - YANG, Jian-Bo - LUO, Yong. Unfolding analysis of LaBr₃:Ce gamma spectrum with a detector response matrix constructing algorithm based on energy resolution calibration. In NUCLEAR SCIENCE AND TECHNIQUES. ISSN 1001-8042, 2018, vol. 29, no. 1, 1., Registrované v: WOS

11. [1.1] SHI, Rui - TUO, Xianguo - CHENG, Yi - YANG, Jianbo - LIU, Mingzhe - WANG, Lei - ZHANG, Songbai. Applications of non-negative iterative deconvolution method in the analysis of alpha-particle spectra. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2020, vol. 135, no. 2, 225., Registrované v: WOS

12. [1.1] SINTSOV, S. V. - VODOPYANOV, A. V. - VIKTOROV, M. E. - MOROZKIN, M. V. - YU. GLYAVIN, M. Non-equilibrium Atmospheric-Pressure Plasma Torch Sustained in a Quasi-optical Beam of Subterahertz Radiation. In JOURNAL OF INFRARED MILLIMETER AND TERAHERTZ WAVES. ISSN 1866-6892, 2020, vol. 41, no. 6, pp. 711-727., Registrované v: WOS

ADCA872 MORHÁČ, Miroslav. Deconvolution methods and their applications in the analysis of gamma-ray spectra. In *Nuclear Instruments and Methods in Physics Research A*, 2006, vol. 559, no. 1, p. 119-123. (2005: 1.224 - IF, Q1 - JCR, 0.858 - SJR, Q1 - SJR, Current Contents - CCC). (2006 - Current Contents, WOS, SCOPUS). ISSN 0168-9002. Dostupné na: <https://doi.org/10.1016/j.nima.2005.11.129>

Ohlasy:

1. [1.1] CLAESEN, Juergen - BURZYKOWSKI, Tomasz. COMPUTATIONAL METHODS AND CHALLENGES IN HYDROGEN/DEUTERIUM EXCHANGE MASS SPECTROMETRY. In MASS SPECTROMETRY REVIEWS. ISSN 0277-7037, 2017, vol. 36, no. 5, pp. 649-667., Registrované v: WOS

2. [1.1] DE MACEDO, Isadora A. S. - DE FIGUEIREDO, Jose Jadsom S. On the seismic wavelet estimative and reflectivity recovering based on linear inversion: Well-to-seismic tie on a real data set from Viking Graben, North Sea. In GEOPHYSICS. ISSN 0016-8033, 2020, vol. 85, no. 5, pp. D157-D165., Registrované v: WOS

3. [1.1] GUO CHENG - LAI WAN-CHANG - HU YUAN - HUANG JIN-CHU - ZHAI JUAN - CHENG FENG - WANG GUANG-XI - ZENG GUO-QIANG - ZHANG QING-XIAN. Research on the Background Subtraction Method for X-Ray Fluorescence Spectrum with X-Ray Tube Excitation. In SPECTROSCOPY AND SPECTRAL ANALYSIS. ISSN 1000-0593, 2016, vol. 36, no. 4, pp. 1235-1239., Registrované v: WOS

4. [1.1] KLEIN, Andreas - LOHAUS, Christian - REISER, Patrick -

- DIMESSO, Lucangelo - WANG, Xiucai - YANG, Tongqing. Energy band alignment of antiferroelectric (Pb,La)(Zr,Sn,Ti)O-3. In *APPLIED SURFACE SCIENCE*. ISSN 0169-4332, 2017, vol. 407, pp. 99-104., Registrované v: WOS 5. [1.1] NGUYEN, H. - JOUNG, J. - KIM, Y. - LEE, K. Investigation of innovative radiation imaging method and system for radiological environments. In *NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT*. ISSN 0168-9002, 2017, vol. 847, pp. 15-28., Registrované v: WOS
6. [1.1] PIETERSE, Cornelius L. - DE KOCK, Michiel B. - ROBERTSON, Wesley D. - EGGERS, Hans C. - MILLER, R. J. Dwayne. Rapid deconvolution of low-resolution time-of-flight data using Bayesian inference. In *JOURNAL OF CHEMICAL PHYSICS*. ISSN 0021-9606, 2019, vol. 151, no. 24, 244307., Registrované v: WOS
7. [1.1] SHI, Rui - TUO, Xianguo - CHENG, Yi - YANG, Jianbo - LIU, Mingzhe - WANG, Lei - ZHANG, Songbai. Applications of non-negative iterative deconvolution method in the analysis of alpha-particle spectra. In *EUROPEAN PHYSICAL JOURNAL PLUS*. ISSN 2190-5444, 2020, vol. 135, no. 2, 225., Registrované v: WOS
8. [1.1] SINTSOV, S. V. - VODOPYANOV, A. V. - VIKTOROV, M. E. - MOROZKIN, M. V. - YU. GLYAVIN, M. Non-equilibrium Atmospheric-Pressure Plasma Torch Sustained in a Quasi-optical Beam of Subterahertz Radiation. In *JOURNAL OF INFRARED MILLIMETER AND TERAHERTZ WAVES*. ISSN 1866-6892, 2020, vol. 41, no. 6, pp. 711-727., Registrované v: WOS
9. [1.1] ZHOU, R. J. - ZHONG, G. Q. - HU, L. Q. - TARDOCCHI, M. - RIGAMONTI, D. - GIACOMELLI, L. - NOCENTE, M. - GORINI, G. - FAN, T. S. - ZHANG, Y. M. - HU, Z. M. - XIAO, M. - LI, K. - ZHANG, Y. K. - HONG, B. - ZHANG, Y. - LIN, S. Y. - ZHANG, J. Z. Development of gamma ray spectrometer with high energy and time resolutions on EAST tokamak. In *REVIEW OF SCIENTIFIC INSTRUMENTS*. ISSN 0034-6748, 2019, vol. 90, no. 12, 123510., Registrované v: WOS
10. [1.1] ZHOU, Yawei - LI, Jingjing - YIN, Chongshan - MAO, Wenfeng - WANG, Juncheng - HE, Chunqing. Momentum distribution of positronium and its interactions with oxygen molecules studied by coincidence Doppler broadening spectroscopy. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2016, vol. 94, no. 2, 022513., Registrované v: WOS

ADCA873 MORHÁČ, Miroslav - KLIMAN, Ján - MATOUŠEK, Vladislav - VESELSKÝ, Martin - TURZO, Ivan. Efficient one-and two-dimensional gold deconvolution and its application. In *Nuclear Instruments and Methods in Physics Research A*, 1997, vol. 401, no. 2-3, p. 385-408. (1996: 1.038 - IF, Current Contents - CCC). (1997 - Current Contents, SCOPUS). ISSN 0168-9002. Dostupné na: [https://doi.org/10.1016/S0168-9002\(97\)01058-9](https://doi.org/10.1016/S0168-9002(97)01058-9)

Ohlasy:

1. [1.1] ANSORGE, Martin - BEM, Pavel - HLADIK, David - MAJERLE, Mitja - MRAZEK, Jaromir - NOVAK, Jan - SIMECKOVA, Eva - STEFANIK, Milan. Total neutron cross-section extracted from transmission experiments with liquid oxygen using neutron energies from 18 to 27 MeV. In *ND 2019: INTERNATIONAL CONFERENCE ON NUCLEAR DATA FOR*

SCIENCE AND TECHNOLOGY. ISSN 2100-014X, 2020, vol. 239, 20008.,
Registrované v: WOS

2. [1.1] BISHOP, J. - ROGACHEV, G. V. - AHN, S. - ABOUD, E. -
BARBUI, M. - BARON, P. - BOSH, A. - DELAGNES, E. - HOOKER, J. -
HUNT, C. - JAYATISSA, H. - KOSHCHIY, E. - MALECEK, R. - MARLEY, S.
T. - O'DWYER, R. - POLLACCO, E. C. - PRUITT, C. - ROEDER, B. T. -
SAASTAMOINEN, A. - SOBOTKA, L. G. - UPADHYAYULA, S.

Beta-delayed charged-particle spectroscopy using TexAT. In NUCLEAR
INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION
A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED
EQUIPMENT. ISSN 0168-9002, 2020, vol. 964, 163773., Registrované v: WOS

3. [1.1] DAKOVSKI, Georgi L. - LIN, Ming-Fu - DAMIANI, Daniel S.
- SCHLOTTER, William F. - TURNER, Joshua J. - NORDLUND, Dennis -
OGASAWARA, Hirohito. A novel method for resonant inelastic soft X-ray
scattering via photoelectron spectroscopy detection. In JOURNAL OF
SYNCHROTRON RADIATION. ISSN 1600-5775, 2017, vol. 24, part 6, pp.
1180-1186., Registrované v: WOS

4. [1.1] EIGEN, G. - CVACH, J. - KVASNICKA, J. - POLAK, I -
TRAET, A. - ZALIECKAS, J. Gain stabilization of SiPMs with an adaptive
power supply. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221,
2019, vol. 14, p05006., Registrované v: WOS

5. [1.1] HARTWIG, Zachary S. The ADAQ framework: An integrated
toolkit for data acquisition and analysis with real and simulated radiation
detectors. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS
RESEARCH SECTION A-ACCELERATORS SPECTROMETERS
DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, 2016, vol.
815, no., pp. 42-49., Registrované v: WOS

6. [1.1] JUNG, Seongmoon - LEE, Jimin - CHO, Hyungjoo - KIM,
Taeyun - YE, Sung-Joon. Compton Background Elimination for in Vivo X-Ray
Fluorescence Imaging of Gold Nanoparticles Using Convolutional Neural
Network. In IEEE TRANSACTIONS ON NUCLEAR SCIENCE. ISSN
0018-9499, 2020, vol. 67, no. 11, pp. 2311-2320., Registrované v: WOS

7. [1.1] O'DAY, Buckley E. - HARTWIG, Zachary S. - LANZA,
Richard C. - DANAGOULIAN, Areg. Initial results from a multiple
monoenergetic gamma radiography system for nuclear security. In NUCLEAR
INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION
A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED
EQUIPMENT. ISSN 0168-9002, 2016, vol. 832, no., pp. 68-76., Registrované v:
WOS

8. [1.1] PETZOLDT, J. - ROEMER, K. E. - ENGHARDT, W. -
FIEDLER, F. - GOLNIK, C. - HUESO-GONZALEZ, F. - HELMBRECHT, S. -
KORMOLL, T. - ROHLING, H. - SMEETS, J. - WERNER, T. - PAUSCH, G.
Characterization of the microbunch time structure of proton pencil beams at a
clinical treatment facility. In PHYSICS IN MEDICINE AND BIOLOGY. ISSN
0031-9155, 2016, vol. 61, no. 6, pp. 2432-2456., Registrované v: WOS

9. [1.1] SHI, Rui - TUO, Xianguo - CHENG, Yi - YANG, Jianbo - LIU,
Mingzhe - WANG, Lei - ZHANG, Songbai. Applications of non-negative
iterative deconvolution method in the analysis of alpha-particle spectra. In
EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2020, vol. 135,
no. 2, 225., Registrované v: WOS

10. [1.1] TAGUCHI, N. - KITTA, M. - SAKAEBE, H. - KOHYAMA, M. - AKITA, T. Lithium analysis using reflection EELS for lithium compounds. In JOURNAL OF ELECTRON SPECTROSCOPY AND RELATED PHENOMENA. ISSN 0368-2048, 2015, vol. 203, pp. 40-44., Registrované v: WOS
11. [1.1] TODOROKI, K. - BARNA, D. - HAYANO, R. S. - AGHAI-KHOZANI, H. - SOTER, A. - CORRADINI, M. - LEALI, M. - LODI-RIZZINI, E. - MASCAGNA, V. - VENTURELLI, L. - PREST, V. - VALLAZZA, L. - DE SALVADOR, D. - HORI, M. Instrumentation for measurement of in-flight annihilations of 130 keV antiprotons on thin target foils. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, 2016, vol. 835, no., pp. 110-118., Registrované v: WOS
12. [1.1] TOSSON, A. - SHOKR, M. - ABBOUD, A. - BEBAWY, Y. - ALGASHI, A. - HARTMANN, R. - KLAUS, M. - GENZEL, C. - STRUEDER, L. - PIETSCH, U. EDLD-Tool: A real-time GPU-based tool to stream and analyze energy-dispersive Laue diffraction of BIG Data sets collected by a pnCCD. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, 2019, vol. 14, P01008., Registrované v: WOS
13. [1.1] ZHOU, Tan - POPESCU, Sorin C. - KRAUSE, Keith - SHERIDAN, Ryan D. - PUTMAN, Eric. Gold A novel deconvolution algorithm with optimization for waveform LiDAR processing. In ISPRS JOURNAL OF PHOTOGRAMMETRY AND REMOTE SENSING. ISSN 0924-2716, 2017, vol. 129, pp. 131-150., Registrované v: WOS

ADCA874 MORHÁČ, Miroslav - MATOUŠEK, Vladislav - KLIMAN, Ján. Efficient algorithm of multidimensional deconvolution and its application to nuclear data processing. In *Digital Signal Processing*, 2003, vol. 13, no. 1, p. 144-171. Dostupné na: [https://doi.org/10.1016/S1051-2004\(02\)00011-8](https://doi.org/10.1016/S1051-2004(02)00011-8)

Ohlasy:

1. [1.1] GAO, Shuai - NIU, Zheng - SUN, Gang - ZHAO, Dan - JIA, Kun - QIN, Yuchu. Height Extraction of Maize Using Airborne Full-Waveform LIDAR Data and a Deconvolution Algorithm. In IEEE GEOSCIENCE AND REMOTE SENSING LETTERS. ISSN 1545-598X, 2015, vol. 12, no. 9, pp. 1978-1982., Registrované v: WOS
2. [1.1] HE, Jian-Feng - WU, Qi-Fan - CHENG, Jian-Ping - FANG, Fang - YANG, Yao-Zong - QU, Jin-Hui. An inversion decomposition test based on Monte Carlo response matrix on the gamma-ray spectra from NaI(Tl) scintillation detector. In NUCLEAR SCIENCE AND TECHNIQUES. ISSN 1001-8042, 2016, vol. 27, no. 4, 101., Registrované v: WOS
3. [1.1] LI, Jinglun - XIAO, Wuyun - AI, Xianyun - CHEN, Ye. Nonnegative constraint quadratic program technique to enhance the resolution of gamma spectra. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, 2018, vol. 887, pp. 169-173., Registrované v: WOS
4. [1.1] SHI, Rui - TUO, Xian-Guo - LI, Huai-Liang - XU, Yang-Yang - SHI, Fan-Rong - YANG, Jian-Bo - LUO, Yong. Unfolding analysis of LaBr3:Ce gamma spectrum with a detector response matrix constructing algorithm based on

- energy resolution calibration. In NUCLEAR SCIENCE AND TECHNIQUES. ISSN 1001-8042, 2018, vol. 29, no. 1, 1., Registrované v: WOS
5. [1.1] TAGUCHI, N. - KITTA, M. - SAKAEBE, H. - KOHYAMA, M. - AKITA, T. Lithium analysis using reflection EELS for lithium compounds. In JOURNAL OF ELECTRON SPECTROSCOPY AND RELATED PHENOMENA. ISSN 0368-2048, 2015, vol. 203, pp. 40-44., Registrované v: WOS
6. [1.1] ZHOU, Tan - POPESCU, Sorin C. - KRAUSE, Keith - SHERIDAN, Ryan D. - PUTMAN, Eric. Gold A novel deconvolution algorithm with optimization for waveform LiDAR processing. In ISPRS JOURNAL OF PHOTOGRAMMETRY AND REMOTE SENSING. ISSN 0924-2716, 2017, vol. 129, pp. 131-150., Registrované v: WOS

ADCA875 MORHÁČ, Miroslav - MATOUŠEK, Vladislav. High-resolution boosted deconvolution of spectroscopic data. In *Journal of Computational and Applied Mathematics*, 2011, vol. 235, no. 6, p. 1629-1640. (2010: 1.030 - IF, Q2 - JCR, 0.920 - SJR, Q2 - SJR, Current Contents - CCC). (2011 - Current Contents). ISSN 0377-0427. Dostupné na: <https://doi.org/10.1016/j.cam.2010.09.005>

Ohlasy:

1. [1.1] ALIZADEH, Davood - ASHRAFI, Saleh. New hybrid metaheuristic algorithm for scintillator gamma ray spectrum analysis. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, 2019, vol. 915, pp. 1-9., Registrované v: WOS
2. [1.1] AZADBAKHT, Mohsen - FRASER, Clive S. - KHOSHELHAM, Kourosh. A Sparsity-Based Regularization Approach for Deconvolution of Full-Waveform Airborne Lidar Data. In REMOTE SENSING. ISSN 2072-4292, 2016, vol. 8, no. 8, 648., Registrované v: WOS
3. [1.1] DION, M. P. - EIDEN, Gregory C. - FARMER, Orville T. - LIEZERS, Martin - ROBINSON, John W. Alpha spectrometry applications with mass separated samples. In APPLIED RADIATION AND ISOTOPES. ISSN 0969-8043, 2016, vol. 107, no., pp. 293-298., Registrované v: WOS
4. [1.1] GIEROBA, Barbara - KRYSA, Mikolaj - WOJTOWICZ, Kinga - WIATER, Adrian - PLESZCZYRISKA, Malgorzata - TOMCZYK, Michal - SROKA-BARTNICKA, Anna. The FT-IR and Raman Spectroscopies as Tools for Biofilm Characterization Created by Cariogenic Streptococci. In INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES, 2020, vol. 21, no. 11, 3811., Registrované v: WOS
5. [1.1] KHILKEVITCH, E. M. - SHEVELEV, A. E. - CHUGUNOV, I. N. - ILIASOVA, M. - DOINIKOV, D. N. - GIN, D. B. - NAIDENOV, V. O. - POLUNOVSKY, I. A. Advanced algorithms for signal processing scintillation gamma ray detectors at high counting rates. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, 2020, vol. 977, 164309., Registrované v: WOS
6. [1.1] LIU, Bin - YANG, Hongrun - LV, Huanwen - JING, Futing - GAO, Xilong - YAN, Mingfei. A deconvolution method for scintillator gamma-ray spectrum analysis based on convex optimization. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION

A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, 2020, vol. 957, 163399., Registrované v: WOS 7. [1.1] LIU, Kun - ZHOU, Ran - ZHANG, Wen - TANG, Zhiyang -

YAN, Jiujiang - LV, Ming - LI, Xiangyou - LU, Yongfeng - ZENG, Xiaoyan. Interference correction for laser-induced breakdown spectroscopy using a deconvolution algorithm. In JOURNAL OF ANALYTICAL ATOMIC SPECTROMETRY. ISSN 0267-9477, 2020, vol. 35, no. 4, pp. 762-766., Registrované v: WOS

8. [1.1] MAHATA, Kaushik - HYDER, Md Mashud. Sparse deconvolution via off-grid T.V minimization. In SIGNAL PROCESSING. ISSN 0165-1684, 2020, vol. 170, 107406., Registrované v: WOS

9. [1.1] PRZYGONSKA, Kaja - PACEWICZ, Magdalena - SADOWSKA, Wiktoria - POZNANSKI, Jaroslaw - BAL, Wojciech - DADLEZ, Michal. His6, His13, and His14 residues in A beta 1-40 peptide significantly and specifically affect oligomeric equilibria. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2019, vol. 9, 9449., Registrované v: WOS

10. [1.1] SHI, Rui - TUO, Xianguo - CHENG, Yi - YANG, Jianbo - LIU, Mingzhe - WANG, Lei - ZHANG, Songbai. Applications of non-negative iterative deconvolution method in the analysis of alpha-particle spectra. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2020, vol. 135, no. 2, 225., Registrované v: WOS

11. [1.1] WANG, Zeyu - GONG, Pin - LIANG, Dajian - TANG, Xiaobin - WANG, Peng - ZHANG, Jinzhao - GAO, Le - ZHANG, Rui. Spectrometry analysis algorithm based on R-L deconvolution and fuzzy inference. In APPLIED RADIATION AND ISOTOPES. ISSN 0969-8043, 2019, vol. 153, 108817., Registrované v: WOS

12. [1.1] ZHOU, R. J. - ZHONG, G. Q. - HU, L. Q. - TARDOCCHI, M. - RIGAMONTI, D. - GIACOMELLI, L. - NOCENTE, M. - GORINI, G. - FAN, T. S. - ZHANG, Y. M. - HU, Z. M. - XIAO, M. - LI, K. - ZHANG, Y. K. - HONG, B. - ZHANG, Y. - LIN, S. Y. - ZHANG, J. Z. Development of gamma ray spectrometer with high energy and time resolutions on EAST tokamak. In REVIEW OF SCIENTIFIC INSTRUMENTS. ISSN 0034-6748, 2019, vol. 90, no. 12, 123510., Registrované v: WOS

13. [1.1] ZHOU, Yawei - LI, Jingjing - YIN, Chongshan - MAO, Wenfeng - WANG, Juncheng - HE, Chunqing. Momentum distribution of positronium and its interactions with oxygen molecules studied by coincidence Doppler broadening spectroscopy. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 94, no. 2, 022513., Registrované v: WOS

ADCA876 MORHÁČ, Miroslav - KLIMAN, Ján - MATOUŠEK, Vladislav - VESELSKÝ, Martin - TURZO, Ivan. Identification of peaks in multidimensional coincidence gamma-ray spectra. In *Nuclear Instruments and Methods in Physics Research A. Accelerators, Spectrometers, Detectors and Associated Equipment*, 2000, vol. 443, no. 1, p. 108-125. (1999: 0.921 - IF, Current Contents - CCC). (2000 - Current Contents, SCOPUS). ISSN 0168-9002. Dostupné na: [https://doi.org/10.1016/S0168-9002\(99\)01005-0](https://doi.org/10.1016/S0168-9002(99)01005-0)

Ohlasy:

1. [1.1] ABDOLLAHI, S. - ACKERMANN, M. - AJELLO, M. - et al. The Second Catalog of Flaring Gamma-Ray Sources from the Fermi All-sky Variability Analysis, In *ASTROPHYSICAL JOURNAL*, 2017, vol. 846, no. 1.,

Registrované v: WOS

2. [1.1] ADRIANI, O. et all. Measurements of longitudinal and transverse momentum distributions for neutral pions in the forward-rapidity region with the LHCf detector. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 3, 032007., Registrované v: WOS
3. [1.1] ARCIDIACONO, L. - PARMENTIER, A. - FESTA, G. - MARTINON-TORRES, M. - ANDREANI, C. - SENESI, R. Validation of a new data-analysis software for multiple-peak analysis of gamma spectra at ISIS pulsed Neutron and Muon Source. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, 2019, vol. 938, pp. 51-55., Registrované v: WOS
4. [1.1] ASHENFELTER, J. et all. Background radiation measurements at high power research reactors. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECT. A, 2016, vol. 806, p. 401-419., Registrované v: WOS
5. [1.1] BALDINI, A. M. - BERG, F. - BIASOTTI, M. - et al. Search for lepton flavour violating muon decay mediated by a new light particle in the MEG experiment. In EUROPEAN PHYSICAL JOURNAL C, 2020, vol. 80, no. 9, 858., Registrované v: WOS
6. [1.1] CAVOTO, G. - DABAGOV, S. - HAMPAL, D. - PIREDDA, G. - RENG, F. - RIPPICINI, E. - VOENA, C. - ZULLO, A. Study of the single cluster response of a helium-isobutane drift chamber prototype using 8 keV X-rays. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, 2015, vol. 10, P03012., Registrované v: WOS
7. [1.1] EIGEN, G. - CVACH, J. - KVASNICKA, J. - POLAK, I. - TRAEET, A. - ZALIECKAS, J. Gain stabilization of SiPMs with an adaptive power supply. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, 2019, vol. 14, p05006., Registrované v: WOS
8. [1.1] GRUYER, D. - BONNET, E. - CHBIHI, A. - FRANKLAND, J. D. - BARLINI, S. - BORDERIE, B. - BOUGAULT, R. - DUENAS, J. A. - GALICHET, E. - KORDYASZ, A. - KOZIK, T. - LE NEINDRE, N. - LOPEZ, O. - PARLOG, M. - PASTORE, G. - PIANTELLI, S. - VALDRE, S. - VERDE, G. - VIENT, E. New semi-automatic method for reaction product charge and mass identification in heavy-ion collisions at Fermi energies. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, 2017, vol. 847, pp. 142-147., Registrované v: WOS
9. [1.1] JUNG, Seongmoon - LEE, Jimin - CHO, Hyungjoo - KIM, Taeyun - YE, Sung-Joon. Compton Background Elimination for in Vivo X-Ray Fluorescence Imaging of Gold Nanoparticles Using Convolutional Neural Network. In IEEE TRANSACTIONS ON NUCLEAR SCIENCE. ISSN 0018-9499, 2020, vol. 67, no. 11, pp. 2311-2320., Registrované v: WOS
10. [1.1] LEE, Hin Y. - HENDERSON, Brian S. - NELSON, Roberts G. - DANAGOULIAN, Areg. Multiple monoenergetic gamma radiography (MMGR) with a compact superconducting cyclotron. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2020, vol. 128, no. 11, 114901., Registrované v: WOS
11. [1.1] MOHAMMADI-DADKAN, M. - AMIR-AHMADI, H. R. -

- BAYAT, M. T. - DELTUVA, A. - ESLAMI-KALANTARI, M. - GOLAK, J. - KALANTAR-NAYESTANAKI, N. - KISTRYN, St - KOZELA, A. - MARDANPOUR, H. - MEHMANDOOST-KHAJEH-DAD, A. A. - MESSCHENDORP, J. G. - RAMAZANI-MOGHADDAM-ARANI, A. - RAMAZANI-SHARIFABADI, R. - SKIBINSKI, R. - STEPHAN, E. - TAVAKOLI-ZANIANI, H. - WITALA, H. Analyzing powers in $d((p \rightarrow, pp)n$ at intermediate and large scattering angles at 190 MeV. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2020, vol. 56, no. 3, 81., Registrované v: WOS
12. [1.1] SCHMIDT, K. - WYSZYNSKI, O. An evolutionary strategy for Delta E E identification. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, 2017, vol. 12., Registrované v: WOS
13. [1.1] SCHUG, David - NADIG, Vanessa - WEISSLER, Bjoern - GEBHARDT, Pierre - SCHULZ, Volkmar. Initial Measurements with the PETsys TOFPET2 ASIC Evaluation Kit and a Characterization of the ASIC TDC. In IEEE TRANSACTIONS ON RADIATION AND PLASMA MEDICAL SCIENCES. ISSN 2469-7311, 2019, vol. 3, no. 4, pp. 444-453., Registrované v: WOS
14. [1.1] SCHUG, David - WEHNER, Jakob - GOLDSCHMIDT, Benjamin - LERCHE, Christoph - DUEPPENBECKER, Peter Michael - HALLEN, Patrick - WEISSLER, Bjoern - GEBHARDT, Pierre - KIESSLING, Fabian - SCHULZ, Volkmar. Data Processing for a High Resolution Preclinical PET Detector Based on Philips DPC Digital SiPMs. In IEEE TRANSACTIONS ON NUCLEAR SCIENCE. ISSN 0018-9499, 2015, vol. 62, no. 3, pp. 669., Registrované v: WOS
15. [1.1] TODOROKI, K. et all. Instrumentation for measurement of in-flight annihilations of 130 keV antiprotons on thin target foils. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A. ISSN 0168-9002, 2016, vol. 835, no., pp. 110-118., Registrované v: WOS
16. [1.1] TOSSON, A. - SHOKR, M. - ABOUD, A. - BEBAWY, Y. - ALGASHI, A. - HARTMANN, R. - KLAUS, M. - GENZEL, C. - STRUEDER, L. - PIETSCH, U. EDLD-Tool: A real-time GPU-based tool to stream and analyze energy-dispersive Laue diffraction of BIG Data sets collected by a pnCCD. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, 2019, vol. 14, P01008., Registrované v: WOS

ADCA877 MORHÁČ, Miroslav - VESELSKÝ, Martin. Identification of isotope lines in two-dimensional spectra of nuclear multifragmentation. In *Nuclear Instruments and Methods in Physics Research A. Accelerators, Spectrometers, Detectors and Associated Equipment*, 2008, vol. 592, p. 434-450. (2007: 1.114 - IF, Q1 - JCR, 0.728 - SJR, Q2 - SJR, Current Contents - CCC). (2008 - Current Contents, SCOPUS). ISSN 0168-9002. Dostupné na: <https://doi.org/10.1016/j.nima.2008.04.002>

Ohlasy:

1. [1.1] GRUYER, D. - BONNET, E. - CHBIHI, A. - FRANKLAND, J. D. - BARLINI, S. - BORDERIE, B. - BOUGAULT, R. - DUENAS, J. A. - GALICHET, E. - KORDYASZ, A. - KOZIK, T. - LE NEINDRE, N. - LOPEZ, O. - PARLOG, M. - PASTORE, G. - PIANTELLI, S. - VALDRE, S. - VERDE, G. - VIENT, E. New semi-automatic method for reaction product charge and mass identification in heavy-ion collisions at Fermi energies. In NUCLEAR

INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION
A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED
EQUIPMENT. ISSN 0168-9002, 2017, vol. 847, no., pp. 142-147. Dostupné na:
<https://doi.org/10.1016/j.nima.2016.11.062>., Registrované v: WOS

ADCA878 MORHÁČ, Miroslav - MATOUŠEK, Vladislav. Library of sophisticated functions for analysis of nuclear spectra. In *Computer Physics Communications*, 2009, vol. 180, p. 1913-1940. ISSN 0010-4655. Dostupné na:
<https://doi.org/10.1016/j.cpc.2009.04.025>

Ohlasy:

1. [1.1] REINHARDT, Sascha - HARTMANN, Soeren - PIMPL, Richard. Full Spectrum Analysis in Environmental Monitoring. In ATW-INTERNATIONAL JOURNAL FOR NUCLEAR POWER. ISSN 1431-5254, 2015, vol. 60, no. 6, pp. 381-383., Registrované v: WOS

ADCA879 MORHÁČ, Miroslav. Multidimensional peak searching algorithm for low-statistics nuclear spectra. In *Nuclear Instruments and Methods in Physics Research A. Accelerators, Spectrometers, Detectors and Associated Equipment*, 2007, vol. 581, no. 3, p. 821-830. (2006: 1.185 - IF, Q1 - JCR, 0.840 - SJR, Q1 - SJR, Current Contents - CCC). (2007 - Current Contents, WOS, SCOPUS). ISSN 0168-9002. Dostupné na: <https://doi.org/10.1016/j.nima.2007.08.145>

Ohlasy:

1. [1.1] GUO CHENG - LAI WAN-CHANG - HU YUAN - HUANG JIN-CHU - ZHAI JUAN - CHENG FENG - WANG GUANG-XI - ZENG GUO-QIANG - ZHANG QING-XIAN. Research on the Background Subtraction Method for X-Ray Fluorescence Spectrum with X-Ray Tube Excitation. In SPECTROSCOPY AND SPECTRAL ANALYSIS. ISSN 1000-0593, 2016, vol. 36, no. 4, pp. 1235-1239., Registrované v: WOS

2. [1.1] YANG, Guofeng - DAI, Jiakai - LIU, Xiangjun - CHEN, Meng - WU, Xiaolong. Spectral feature extraction based on continuous wavelet transform and image segmentation for peak detection. In ANALYTICAL METHODS. ISSN 1759-9660, 2020, vol. 12, no. 2, pp. 169-178., Registrované v: WOS

3. [1.1] YANG, Guofeng - DAI, Jiakai - LIU, Xiangjun - CHEN, Meng - WU, Xiaolong. Multiple Constrained Reweighted Penalized Least Squares for Spectral Baseline Correction. In APPLIED SPECTROSCOPY. ISSN 0003-7028, 2020, vol. 74, no. 12, pp. 1443-1451., Registrované v: WOS

4. [1.1] ZHU, Meng-Hua. On estimating the background of remote sensing gamma-ray spectroscopic data. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, 2016, vol. 832, no., pp. 259-263., Registrované v: WOS

ADCA880 MORHÁČ, Miroslav - MATOUŠEK, Vladislav - KLIMAN, Ján. Optimized multidimensional nonoscillating deconvolution. Vladislav Matoušek. In *Journal of Computational and Applied Mathematics*, 2002, vol. 140, no. 1-2, p. 639-658. ISSN 0377-0427.

Ohlasy:

1. [1.1] LI, Jinglun - XIAO, Wuyun - AI, Xianyun - CHEN, Ye. Nonnegative constraint quadratic program technique to enhance the resolution of

gamma spectra. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, 2018, vol. 887, pp. 169-173., Registrované v: WOS

ADCA881 MORHÁČ, Miroslav - MATOUŠEK, Vladislav. Peak clipping algorithms for background estimation in spectroscopic data. In *Applied Spectroscopy*, 2008, vol. 62, no. 1, p. 91-106. (2007: 1.902 - IF, Q1 - JCR, 0.782 - SJR, Q1 - SJR). ISSN 0003-7028. Dostupné na: <https://doi.org/10.1366/000370208783412762>

Ohlasy:

1. [1.1] CARSCH, Kurtis M. - DIMUCCI, Ida M. - IOVAN, Diana A. - LI, Alex - ZHENG, Shao-Liang - TITUS, Charles J. - LEE, Sang Jun - IRWIN, Kent D. - NORDLUND, Dennis - LANCASTER, Kyle M. - BETLEY, Theodore A. Synthesis of a copper-supported triplet nitrene complex pertinent to copper-catalyzed amination. In *SCIENCE*. ISSN 0036-8075, 2019, vol. 365, no. 6458, pp. 1138-+, Registrované v: WOS
2. [1.1] CORDERO, Eliana - RUEGER, Jan - MARTI, Dominik - MONDOL, Abdullah S. - HASSELAGER, Thomas - MOGENSEN, Karin - HERMANN, Gregers G. - POPP, Juergen - SCHIE, Iwan W. Bladder tissue characterization using probe-based Raman spectroscopy: Evaluation of tissue heterogeneity and influence on the model prediction. In *JOURNAL OF BIOPHOTONICS*. ISSN 1864-063X, 2020, vol. 13, no. 2, e201960025., Registrované v: WOS
3. [1.1] DIMUCCI, Ida M. - LUKENS, James T. - CHATTERJEE, Sudipta - CARSCH, Kurtis M. - TITUS, Charles J. - LEE, Sang Jun - NORDLUND, Dennis - BETLEY, Theodore A. - MACMILLAN, Samantha N. - LANCASTER, Kyle M. The Myth of d(8) Copper(III). In *JOURNAL OF THE AMERICAN CHEMICAL SOCIETY*. ISSN 0002-7863, 2019, vol. 141, no. 46, pp. 18508-18520., Registrované v: WOS
4. [1.1] HANSSON, Ben - ALLEN, Christian Harry - QUTOB, Sami - BEHR, Bradford - NYIRI, Balazs - CHAUHAN, Vinita - MURUGKAR, Sangeeta. Development of a flow cell based Raman spectroscopy technique to overcome photodegradation in human blood. In *BIOMEDICAL OPTICS EXPRESS*. ISSN 2156-7085, 2019, vol. 10, no. 5, pp. 2290-2303., Registrované v: WOS
5. [1.1] HUANG, Hsiu-Kang - CHENG, Ho-Wen - LIAO, Cheng-Chieh - LIN, Shang-Jyun - CHEN, Yi-Zih - WANG, Juen-Kai - WANG, Yuh-Lin - HUANG, Nien-Tsu. Bacteria encapsulation and rapid antibiotic susceptibility test using a microfluidic microwell device integrating surface-enhanced Raman scattering. In *LAB ON A CHIP*. ISSN 1473-0197, 2020, vol. 20, no. 14, pp. 2520-2528., Registrované v: WOS
6. [1.1] CHANG, Kai-Wei - CHENG, Ho-Wen - SHIUE, Jessie - WANG, Juen-Kai - WANG, Yuh-Lin - HUANG, Nien-Tsu. Antibiotic Susceptibility Test with Surface-Enhanced Raman Scattering in a Microfluidic System. In *ANALYTICAL CHEMISTRY*. ISSN 0003-2700, 2019, vol. 91, no. 17, pp. 10988-10995., Registrované v: WOS
7. [1.1] CHIEN, Jun-Yi - GU, Yong-Chun - TSAI, Hsin-Mei - LIU, Chun-Hao - YEN, Chia-Yuan - WANG, Yuh-Lin - WANG, Juen-Kai - LIN, Chi-Hung. Rapid identification of nicotine in electronic cigarette liquids based on surface-enhanced Raman scattering. In *JOURNAL OF FOOD AND DRUG*

ANALYSIS. ISSN 1021-9498, 2020, vol. 28, no. 2, pp. 108-114., Registrované v: WOS

8. [1.1] KORINTH, Florian - SCHMAELZLIN, Elmar - STIEBING, Clara - URRUTIA, Tanya - MICHEVA, Genoveva - SANDIN, Christer - MUELLER, Andre - MAIWALD, Martin - SUMPFF, Bernd - KRAFFT, Christoph - TRAENKLE, Guenther - ROTH, Martin M. - POPP, Juergen. Wide Field Spectral Imaging with Shifted Excitation Raman Difference Spectroscopy Using the Nod and Shuffle Technique. In SENSORS, 2020, vol. 20, no. 23, 6723., Registrované v: WOS

9. [1.1] LIU, Chia-Ying - HAN, Yin-Yi - SHIH, Po-Han - LIAN, Wei-Nan - WANG, Huai-Hsien - LIN, Chi-Hung - HSUEH, Po-Ren - WANG, Juen-Kai - WANG, Yuh-Lin. Rapid bacterial antibiotic susceptibility test based on simple surface-enhanced Raman spectroscopic biomarkers. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2016, vol. 6, 23375., Registrované v: WOS

10. [1.1] LI, Fei - GE, Liangquan - TANG, Zhuoyao - CHEN, Yi - WANG, Jing. Recent developments on XRF spectra evaluation. In APPLIED SPECTROSCOPY REVIEWS. ISSN 0570-4928, 2020, vol. 55, no. 4, pp. 263-287., Registrované v: WOS

11. [1.1] LI, Fei - GU, Zhixing - GE, Liangquan - LI, Hui - TANG, Xinyu - LANG, Xinle - HU, Bo. Review of recent gamma spectrum unfolding algorithms and their application. In RESULTS IN PHYSICS. ISSN 2211-3797, 2019, vol. 13, 102211., Registrované v: WOS

12. [1.1] LUENSDORF, Nils Keno - KALIES, Jannick - AHLERS, Patrick - DUNKL, Istvan - VON EYNATTEN, Hilmar. Semi-Automated Heavy-Mineral Analysis by Raman Spectroscopy. In MINERALS. ISSN 2075-163X, 2019, vol. 9, no. 7, 385., Registrované v: WOS

13. [1.1] LUKENS, James T. - DIMUCCI, Ida M. - KUROGI, Takashi - MINDIOLA, Daniel J. - LANCASTER, Kyle M. Scrutinizing metal-ligand covalency and redox non-innocence via nitrogen K-edge X-ray absorption spectroscopy. In CHEMICAL SCIENCE. ISSN 2041-6520, 2019, vol. 10, no. 19, pp. 5044-5055., Registrované v: WOS

14. [1.1] MA YING-JIE - ZHOU JING - HONG XU - ZHOU JIAN-BIN - WANG MIN - WAN WEN-JIE. Study on the High Speed and Precision Gaussian Function Fitting Algorithm for Nuclear Single Spectral Peak. In SPECTROSCOPY AND SPECTRAL ANALYSIS. ISSN 1000-0593, 2016, vol. 36, no. 8, pp. 2373-2377., Registrované v: WOS

15. [1.1] STAROSTIN, Konstantin V. - DEMIDOV, Evgeny A. - ERSHOV, Nikita I. - BRYANSKAYA, Alla V. - EFIMOV, Vadim M. - SHLYAKHTUN, Valeriya N. - PELTEK, Sergey E. Creation of an Online Platform for Identification of Microorganisms: Peak Picking or Full-Spectrum Analysis. In FRONTIERS IN MICROBIOLOGY. ISSN 1664-302X, 2020, vol. 11, 609033., Registrované v: WOS

16. [1.1] TOMOYORI, K. - HIRANO, Y. - KURIHARA, K. - TAMADA, T. Background elimination using the SNIP algorithm. In JOURNAL OF PHYSICS CONFERENCE SERIES, 2015, vol. 664, 072049., Registrované v: WOS

17. [1.1] VOGLER, Nadine - BOCKLITZ, Thomas - SALAH, Firas Subhi - SCHMIDT, Carsten - BRAEUER, Rolf - CUI, Tiantian - MIRESKANDARI, Masoud - GRETEN, Florian R. - SCHMITT, Michael - STALLMACH, Andreas - PETERSEN, Iver - POPP, Juergen. Systematic

evaluation of the biological variance within the Raman based colorectal tissue diagnostics. In JOURNAL OF BIOPHOTONICS. ISSN 1864-063X, 2016, vol. 9, no. 5, pp. 533-541., Registrované v: WOS

18. [1.1] ZHAO, Fengkui - WANG, Aimin. A background subtraction approach based on complex wavelet transforms in EDXRF. In X-RAY SPECTROMETRY. ISSN 0049-8246, 2015, vol. 44, no. 2, pp. 41-47., Registrované v: WOS

19. [1.1] ZHAO, Fengkui - WANG, Jian - WANG, Aimin. An Improved Spectral Background Subtraction Method Based on Wavelet Energy. In APPLIED SPECTROSCOPY. ISSN 0003-7028, 2016, vol. 70, no. 12, pp. 1994-2004., Registrované v: WOS

20. [1.1] ZHU, Meng-Hua. On estimating the background of remote sensing gamma-ray spectroscopic data. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, 2016, vol. 832, no., pp. 259-263., Registrované v: WOS

ADCA882 MORHÁČ, Miroslav - KLIMAN, Ján - JANDEL, Marián - KRUPA, L. - MATOUŠEK, Vladislav. Study of fitting algorithms applied to simultaneous analysis of large numbers of peaks in gamma-ray spectra. In *Applied Spectroscopy*, 2003, vol. 57, no. 7, p. 753-760. Dostupné na: <https://doi.org/10.1366/000370203322102825>

Ohlasy:

1. [1.1] ALIZADEH, Davood - ASHRAFI, Saleh. New hybrid metaheuristic algorithm for scintillator gamma ray spectrum analysis. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, 2019, vol. 915, pp. 1-9., Registrované v: WOS

2. [1.1] ARCIDIACONO, L. - PARMENTIER, A. - FESTA, G. - MARTINON-TORRES, M. - ANDREANI, C. - SENESI, R. Validation of a new data-analysis software for multiple-peak analysis of gamma spectra at ISIS pulsed Neutron and Muon Source. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, 2019, vol. 938, pp. 51-55., Registrované v: WOS

3. [1.1] LI, Fei - GE, Liangquan - TANG, Zhuoyao - CHEN, Yi - WANG, Jing. Recent developments on XRF spectra evaluation. In APPLIED SPECTROSCOPY REVIEWS. ISSN 0570-4928, 2020, vol. 55, no. 4, pp. 263-287., Registrované v: WOS

ADCA883 MORIMAE, T. - NAGAJ, Daniel - SCHUCH, N. Quantum proofs can be verified using only single-qubit measurements. In *Physical Review A*, 2016, vol. 93, no. 2, art. no. 022326. (2015: 2.765 - IF, Q1 - JCR, 1.747 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.93.022326>

Ohlasy:

1. [1.1] BROADBENT, Anne - JI, Zhengfeng - SONG, Fang - WATROUS, John. Zero-knowledge proof systems for QMA (Extended Abstract). In ANNUAL IEEE SYMPOSIUM ON FOUNDATIONS OF

- COMPUTER SCIENCE, 2016, pp. 31-40., Registrované v: WOS
2. [1.1] BROADBENT, Anne - JI, Zhengfeng - SONG, Fang - WATROUS, John. ZERO-KNOWLEDGE PROOF SYSTEMS FOR QMA. In SIAM JOURNAL ON COMPUTING. ISSN 0097-5397, 2020, vol. 49, no. 2, pp. 245-283., Registrované v: WOS
 3. [1.1] GHEORGHIU, Alexandru - KAPOURNIOTIS, Theodoros - KASHEFI, Elham. Verification of Quantum Computation: An Overview of Existing Approaches. In THEORY OF COMPUTING SYSTEMS. ISSN 1432-4350, 2019, vol. 63, no. 4, pp. 715-808., Registrované v: WOS
 4. [1.1] MORIMAE, Tomoyuki - NISHIMURA, Harumichi. RATIONAL PROOFS FOR QUANTUM COMPUTING. In QUANTUM INFORMATION & COMPUTATION. ISSN 1533-7146, 2020, vol. 20, no. 3-4, pp. 181-193., Registrované v: WOS
 5. [1.1] VIDICK, Thomas - ZHANG, Tina. Classical zero-knowledge arguments for quantum computations. In QUANTUM. ISSN 2521-327X, 2020, vol. 4., Registrované v: WOS
 6. [1.1] ZHU, Yaqing - LI, Qin - LIU, Chengdong - SUN, Zhiwei - PENG, Yu - SHEN, Dongsu. Secure Two-Party Computation Based on Blind Quantum Computation. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2020, vol. 59, no. 7, pp. 2074-2082., Registrované v: WOS

ADCA884 MOSER, A. - SALZMANN, I. - OEHZELT, M. - NEUHOLD, A. - FLESCHE, H.-G. - IVANČO, Ján - POP, S. - TOADER, T. - ZAHN, D. - SMILGIES, D.M. - RESEL, R. A disordered layered phase in thin films of sexithiophene. In *Chemical Physics Letters*, 2013, vol. 574, p. 51-55. (2012: 2.145 - IF, Q2 - JCR, 1.104 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents). ISSN 0009-2614. Dostupné na: <https://doi.org/10.1016/j.cplett.2013.04.053>

Ohlasy:

1. [1.1] ABD EL-KHALEK, H. - ABD-EL SALAM, Mohamed - AMIN, Fatma M. Fabrication and characterization of dual-band organic/inorganic photodetector for optoelectronic applications. In CURRENT APPLIED PHYSICS. ISSN 1567-1739, 2019, vol. 19, no. 5, pp. 629-638., Registrované v: WOS
2. [1.1] D'AVINO, Gabriele - MUCCIOLI, Luca - ZANNONI, Claudio. From Chiral Islands to Smectic Layers: A Computational Journey Across Sexithiophene Morphologies on C-60. In ADVANCED FUNCTIONAL MATERIALS. ISSN 1616-301X, 2015, vol. 25, no. 13, pp. 1985-1995., Registrované v: WOS
3. [1.1] DERRIEN, T. L. - LAURITZEN, A. E. - KAIENBURG, P. - HARDIGREE, J. F. M. - NICKLIN, C. - RIEDE, M. In Situ Observations of the Growth Mode of Vacuum-Deposited alpha-Sexithiophene. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2020, vol. 124, no. 22, pp. 11863-11869., Registrované v: WOS
4. [1.1] DUONG, Vincent V. - AYZNER, Alexander L. Influence of conjugation length on ultrafast electronic tunneling in organic semiconductor thin films. In PHYSICAL CHEMISTRY CHEMICAL PHYSICS. ISSN 1463-9076, 2018, vol. 20, no. 38, pp. 25085-25095., Registrované v: WOS
5. [1.1] DUVA, Giuliano - PITHAN, Linus - ZEISER, Clemens - REISZ, Berthold - DIETERLE, Johannes - HOFFERBERTH, Bernd - BEYER,

- Paul - BOGULA, Laura - OPITZ, Andreas - KOWARIK, Stefan - HINDERHOFER, Alexander - GERLACH, Alexander - SCHREIBER, Frank. Thin-Film Texture and Optical Properties of Donor/Acceptor Complexes. Diindenoperylene/F6TCNNQ vs Alpha-Sexithiophene/ F6TCNNQ. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2018, vol. 122, no. 32, pp. 18705-18714., Registrované v: WOS
6. [1.1] FARAHVASH, Ardavan - LEE, Chee-Kong - SUN, Qiming - SHI, Liang - WILLARD, Adam P. Machine learning Frenkel Hamiltonian parameters to accelerate simulations of exciton dynamics. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2020, vol. 153, no. 7, 074111., Registrované v: WOS
7. [1.1] GHANBARI, Ebrahim - WAGNER, Thorsten - ZEPPENFELD, Peter. Layer-Resolved Evolution of Organic Thin Films Monitored by Photoelectron Emission Microscopy and Optical Reflectance Spectroscopy. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2015, vol. 119, no. 42, pp. 24174-24181., Registrované v: WOS
8. [1.1] HOFFMAN, B. C. - MCAFEE, T. - PAZOKI, S. - et al. Temperature controlled interlayer disorder in ultrathin films of alpha-sexithiophene. In THIN SOLID FILMS. ISSN 0040-6090, 2017, vol. 642, pp. 182-187., Registrované v: WOS
9. [1.1] CHIODINI, Stefano - D'AVINO, Gabriele - MUCCIOLI, Luca - BARTOLINI, Luca - GENTILI, Denis - TOFFANIN, Stefano - ALBONETTI, Cristiano. Self-organization of complete organic monolayers via sequential post-deposition annealing. In PROGRESS IN ORGANIC COATINGS. ISSN 0300-9440, 2020, vol. 138, 105408., Registrované v: WOS
10. [1.1] CHUNG, Hyunjoong - DIAO, Ying. Polymorphism as an emerging design strategy for high performance organic electronics. In JOURNAL OF MATERIALS CHEMISTRY C. ISSN 2050-7526, 2016, vol. 4, no. 18, pp. 3915-3933., Registrované v: WOS
11. [1.1] LORCH, C. - BANERJEE, R. - FRANK, C. - DIETERLE, J. - HINDERHOFER, A. - GERLACH, A. - SCHREIBER, F. Growth of Competing Crystal Phases of alpha-Sexithiophene Studied by Real-Time in Situ X-ray Scattering. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2015, vol. 119, no. 1, pp. 819-825., Registrované v: WOS
12. [1.1] LORCH, Christopher - BROCH, Katharina - BELOVA, Valentina - DUVA, Giuliano - HINDERHOFER, Alexander - GERLACH, Alexander - JANKOWSKI, Maciej - SCHREIBER, Frank. Growth and annealing kinetics of alpha-sexithiophene and fullerene C-60 mixed films. In JOURNAL OF APPLIED CRYSTALLOGRAPHY. ISSN 1600-5767, 2016, vol. 49, pp. 1266-1275., Registrované v: WOS
13. [1.1] MAINI, Lucia - GALLINO, Federico - ZAMBIANCHI, Massimo - DURSO, Margherita - GAZZANO, Massimo - RUBINI, Katia - GENTILI, Denis - MANET, Ilse - MUCCINI, Michele - TOFFANIN, Stefano - CAVALLINI, Massimiliano - MELUCCI, Manuela. Chemical design enables the control of conformational polymorphism in functional 2,3-thieno(bis)imide-ended materials. In CHEMICAL COMMUNICATIONS. ISSN 1359-7345, 2015, vol. 51, no. 11, pp. 2033-2035., Registrované v: WOS
14. [1.1] PITHAN, Linus - NABOK, Dmitrii - COCCHI, Caterina - BEYER, Paul - DUVA, Giuliano - SIMBRUNNER, Joseph - RAWLE, Jonathan - NICKLIN, Chris - SCHAEFER, Peter - DRAXL, Claudia - SCHREIBER,

- Frank - KOWARIK, Stefan. Molecular structure of the substrate-induced thin-film phase of tetracene. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2018, vol. 149, no. 14, 144701., Registrované v: WOS
15. [1.1] REISZ, Berthold - WEIMER, Simon - BANERJEE, Rupak - et al. Structural, optical, and electronic characterization of perfluorinated sexithiophene films and mixed films with sexithiophene. In JOURNAL OF MATERIALS RESEARCH. ISSN 0884-2914, 2017, vol. 32, no. 10, pp. 1908-1920., Registrované v: WOS
16. [1.1] SALZMANN, Ingo - HEIMEL, Georg. Toward a comprehensive understanding of molecular doping organic semiconductors (review). In JOURNAL OF ELECTRON SPECTROSCOPY AND RELATED PHENOMENA. ISSN 0368-2048, 2015, vol. 204, pp. 208-222., Registrované v: WOS
17. [1.1] SCARBATH-EVERS, Laura Katharina - HAMMER, Rene - GOLZE, Dorothea - BREHM, Martin - SEBASTIANI, Daniel - WIDDRA, Wolf. From flat to tilted: gradual interfaces in organic thin film growth. In NANOSCALE. ISSN 2040-3364, 2020, vol. 12, no. 6, pp. 3834-3845., Registrované v: WOS
18. [1.1] SHIOYA, Nobutaka - HADA, Miyako - SHIMOAKA, Takafumi - MURDEY, Richard - EDA, Kazuo - HASEGAWA, Takeshi. Impact of Kinetically Restricted Structure on Thermal Conversion of Zinc Tetraphenylporphyrin Thin Films to the Triclinic and Monoclinic Phases. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2018, vol. 122, no. 8, pp. 4540-4545., Registrované v: WOS
19. [1.1] SMILGIES, Detlef-M. Grazing-incidence X-ray scattering of lamellar thin films. In JOURNAL OF APPLIED CRYSTALLOGRAPHY. ISSN 0021-8898, 2019, vol. 52, pp. 247-251., Registrované v: WOS
20. [1.1] WAGNER, Thorsten - GHANBARI, Ebrahim - HUBER, Daniel - ZEPPEFELD, Peter. The growth of alpha-sexithiophene films on Ag(111) studied by means of PEEM with linearly polarized light. In ULTRAMICROSCOPY. ISSN 0304-3991, 2015, vol. 159, pp. 464-469., Registrované v: WOS
21. [1.1] ZAMBIANCHI, Massimo - FAVARETTO, Laura - DURSO, Margherita - BETTINI, Cristian - ZANELLI, Alberto - MANET, Ilse - GAZZANO, Massimo - MAINI, Lucia - GENTILI, Denis - TOFFANIN, Stefano - GALLINO, Federico - MUCCINI, Michele - CAVALLINI, Massimiliano - MELUCCI, Manuela. Synergic effect of unsaturated inner bridges and polymorphism for tuning the optoelectronic properties of 2,3-thieno(bis)imide based materials. In JOURNAL OF MATERIALS CHEMISTRY C. ISSN 2050-7526, 2015, vol. 3, no. 1, pp. 121-131., Registrované v: WOS
22. [1.1] ZHU, Yangyang - XIE, Qiang - SUN, Yang - WANG, Lu - SUN, Qiang - WANG, Lijuan. High-Performance NO2 Sensors Based on Ultrathin Heterogeneous Interface Layers. In ADVANCED MATERIALS INTERFACES. ISSN 2196-7350, 2020, vol. 7, no. 1, 1901579., Registrované v: WOS

ADCA885 MOSER, Zbigniew - ŠEBO, Pavol - GAŠIOR, Władisław - ŠVEC, Peter - PSTRUŠ, Janusz. Effect of indium on wettability of Sn-Ag-Cu solders. Experiment vs. modeling. In CALPHAD: Computer Coupling of Phase Diagrams and Thermochemistry, 2009, vol. 33, no.1, p. 63-68. (2008: 1.530 - IF, Q1 - JCR, 1.220 -

SJR, Q1 - SJR). ISSN 0364-5916. Dostupné na:
<https://doi.org/10.1016/j.calphad.2008.10.001>

Ohlasy:

1. [1.1] GIURANNO, Donatella - DELSANTE, Simona - BORZONE, Gabriella - NOVAKOVIC, Rada. Effects of Sb addition on the properties of Sn-Ag-Cu/(Cu, Ni) solder systems. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2016, vol. 689, no., pp. 918-930., Registrované v: WOS
2. [1.1] KANLAYASIRI, Kannachai - KONGCHAYASUKAWAT, Rachata. Property alterations of Sn-0.6Cu-0.05Ni-Ge lead-free solder by Ag, Bi, In and Sb addition. In TRANSACTIONS OF NONFERROUS METALS SOCIETY OF CHINA. ISSN 1003-6326, 2018, vol. 28, no. 6, pp. 1166-1175., Registrované v: WOS
3. [1.1] M'CHAAR, Rachida - SABBAR, Abdelaziz - EL MOUDANE, Mouloud - GHANIMI, Ahmed. Theoretical investigation of some physicochemical properties in the liquid Sn-Ag-Cu alloys. In JOURNAL OF THEORETICAL & COMPUTATIONAL CHEMISTRY. ISSN 0219-6336, 2017, vol. 16, no. 5, pp., Registrované v: WOS
4. [1.1] M'CHAAR, Rachida - SABBAR, Abdelaziz - EL MOUDANE, Mouloud - OUERFELLI, Nouredine. A survey of surface tension, molar volume and density for Sn-Ag-Cu-Bi-Sb quinary alloys as lead-free solders. In PHILOSOPHICAL MAGAZINE. ISSN 1478-6435, 2020, vol. 100, no. 11, pp. 1415-1438. Dostupné na: <https://doi.org/10.1080/14786435.2019.1704090>., Registrované v: WOS
5. [1.1] SAYYADI, Reza - NAFFAKH-MOOSAVY, Homam. The Role of Intermetallic Compounds in Controlling the Microstructural, Physical and Mechanical Properties of Cu-[Sn-Ag-Cu-Bi]-Cu Solder Joints. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2019, vol. 9, 8389., Registrované v: WOS
6. [1.1] SUN, Lei - ZHANG, Liang. Properties and Microstructures of Sn-Ag-Cu-X Lead-Free Solder Joints in Electronic Packaging. In ADVANCES IN MATERIALS SCIENCE AND ENGINEERING. ISSN 1687-8434, 2015, 639028., Registrované v: WOS
7. [1.1] ZHAO, Xingke - XIE, Feiming - FAN, Jinsheng - LIU, Dayong - HUANG, Jihua - CHEN, Shuhai. Evaluation on Dorsey Method in Surface Tension Measurement of Solder Liquids Containing Surfactants. In INTERNATIONAL JOURNAL OF THERMOPHYSICS. ISSN 0195-928X, 2018, vol. 39, no. 6, pp., Registrované v: WOS
8. [1.2] MA, Jia - LONG, Weimin - HE, Peng - BAO, Li - XUE, Peng - WU, Mingfang. Effect of gallium addition on microstructure and properties of Ag-Cu-Zn-Sn alloys. In China Welding (English Edition). ISSN 10045341, 2015-09-25, 24, 3, pp. 6-10., Registrované v: SCOPUS
9. [3.1] UYANIK, Okan; ERER, Ahmet Mustafa; TÜREN, Yunus. Effect of Indium on Wettability of Sn-2Ag-0, 5Cu-1In Quaternary Solder Alloy on Cu Substrate. In EL-CEZERI JOURNAL OF SCIENCE AND ENGINEERING. ISSN 2148-3736, 2019, vol. 6, no. 1, pp. 1-7. Doi 10.31202/ecjse.44143, Dostupné na internete: <https://dergipark.org.tr/en/download/article-file/637930>

ADCA886 MOVASSAGH, R. - FARHI, E. - GOLDSTONE, J. - NAGAJ, Daniel - OSBORNE, T.J. - SHOR, P.W. Unfrustrated qudit chains and their ground states. In

Physical Review A, 2010, vol. 82, no. 1, 012318. (2009: 2.866 - IF, Q2 - JCR, 2.469 - SJR, Q1 - SJR, Current Contents - CCC). (2010 - Current Contents). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.82.012318>

Ohlasy:

1. [1.1] BAUSCH, Johannes - CUBITT, Toby S. - LUCIA, Angelo - PEREZ-GARCIA, David. Undecidability of the Spectral Gap in One Dimension. In *PHYSICAL REVIEW X*. ISSN 2160-3308, 2020, vol. 10, no. 3, 031038., Registrované v: WOS
2. [1.1] BRAVYI, Sergey - GOSSET, David. Gapped and gapless phases of frustration-free spin-1/2 chains. In *JOURNAL OF MATHEMATICAL PHYSICS*. ISSN 0022-2488, 2015, vol. 56, no. 6, DEC 16 2015., Registrované v: WOS
3. [1.1] CUI, Shawn X. - FREEDMAN, Michael H. - SATTATH, Or - STONG, Richard - MINTON, Greg. Quantum Max-flow/Min-cut. In *JOURNAL OF MATHEMATICAL PHYSICS*. ISSN 0022-2488, 2016, vol. 57, no. 6, 062206., Registrované v: WOS
4. [1.1] FACCHI, P. - FLORIO, G. - PARISI, G. - PASCAZIO, S. - SCARDICCHIO, A. Large-N-approximated field theory for multipartite entanglement. In *PHYSICAL REVIEW A*. ISSN 1050-2947, 2015, vol. 92, no. 6, DEC 16., Registrované v: WOS
5. [1.1] HE, Kun - LI, Qian - SUN, Xiaoming - ZHANG, Jiapeng. Quantum Lovasz Local Lemma: Shearer's Bound Is Tight. In *PROCEEDINGS OF THE 51ST ANNUAL ACM SIGACT SYMPOSIUM ON THEORY OF COMPUTING (STOC '19)*. ISSN 0737-8017, 2019, pp. 461-472., Registrované v: WOS
6. [1.1] LEMM, Marius - MOZGUNOV, Evgeny. Spectral gaps of frustration-free spin systems with boundary. In *JOURNAL OF MATHEMATICAL PHYSICS*. ISSN 0022-2488, 2019, vol. 60, no. 5, 051901., Registrované v: WOS
7. [1.1] LEMM, Marius. Gaplessness is not generic for translation-invariant spin chains. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2019, vol. 100, no. 3, 035113., Registrované v: WOS
8. [1.1] SATTATH, Or - MORAMPUDI, Siddhardh C. - LAUMANN, Chris R. - MOESSNER, Roderich. When a local Hamiltonian must be frustration-free. In *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*. ISSN 0027-8424, 2016, vol. 113, no. 23, pp. 6433-6437., Registrované v: WOS
9. [1.1] SCIARA, Stefania - LO FRANCO, Rosario - COMPAGNO, Giuseppe. Universality of Schmidt decomposition and particle identity. In *SCIENTIFIC REPORTS*. ISSN 2045-2322, 2017, vol. 7, pp. 1-11, 44675., Registrované v: WOS
10. [1.1] WEIS, Stephan. A VARIATIONAL PRINCIPLE FOR GROUND SPACES. In *REPORTS ON MATHEMATICAL PHYSICS*. ISSN 0034-4877, 2018, vol. 82, no. 3, pp. 317-336., Registrované v: WOS
11. [1.1] ZHANG, Zhao - AHMADAIN, Amr - KLICH, Israel. Novel quantum phase transition from bounded to extensive entanglement. In *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*. ISSN 0027-8424, 2017, vol. 114, no. 20, pp. 5142-5146., Registrované v: WOS

ADCA887 MOYACESSA, H. - BUŽEK, Vladimír - KIM, M.S. - KNIGHT, P.L. Intrinsic decoherence in the atom-field interaction. In *Physical Review A*, 1993, vol. 48, no. 5, p. 3900-3905. ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.48.3900>

Ohlasy:

1. [1.1] CONG MEI-YAN - YANG JING - HUANG YAN-XIA. Effects of Dzyaloshinskii-Moriya interaction and decoherence on entanglement dynamics in Heisenberg spin chain system with different initial states. In *ACTA PHYSICA SINICA*. ISSN 1000-3290, 2016, vol. 65, no. 17, 170301., Registrované v: WOS
2. [1.1] DUTTA, Anirban - RAHMANI, Armin - DEL CAMPO, Adolfo. Anti-Kibble-Zurek Behavior in Crossing the Quantum Critical Point of a Thermally Isolated System Driven by a Noisy Control Field. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2016, vol. 117, no. 8, 080402., Registrované v: WOS
3. [1.1] CHEN, Ai-Xi - ZHANG, Jian-Song. Effects of phase shift on bipartite and multipartite correlations of a spin chain under dephasing. In *OPEN PHYSICS*. ISSN 2391-5471, 2015, vol. 13, no. 1, pp. 198., Registrované v: WOS
4. [1.1] LI, Da-Chuang - WANG, Xian-Ping - LI, Hu - LI, Xiao-Man - YANG, Ming - CAO, Zhuo-Liang. Effects of Pure Dzyaloshinskii-Moriya Interaction with Magnetic Field on Entanglement in Intrinsic Decoherence. In *CHINESE PHYSICS LETTERS*. ISSN 0256-307X, 2016, vol. 33, no. 5, 050301., Registrované v: WOS
5. [1.1] RAJA, Sina Hamedani - MOHAMMADI, Hamidreza - AKHTARSHENAS, Seyed Javad. Geometric discord of the Jaynes-Cummings model: pure dephasing regime. In *EUROPEAN PHYSICAL JOURNAL D*. ISSN 1434-6060, 2015, vol. 69, no. 1, 14., Registrované v: WOS
6. [1.1] SLODICKA, L. - MAREK, P. - FILIP, R. Deterministic nonclassicality from thermal states. In *OPTICS EXPRESS*. ISSN 1094-4087, 2016, vol. 24, no. 8, pp. 7858-7870., Registrované v: WOS
7. [1.1] YANG GUO-HUI - ZHANG BING-BING. Quantum Discord Behaviors in Two Qubits Spin Squeezing Model with Intrinsic Decoherence. In *INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS*. ISSN 0020-7748, 2016, vol. 55, no. 5, pp. 2588-2597., Registrované v: WOS

ADCA888 MOYACESSA, H. - BUŽEK, Vladimír - KNIGHT, P.L. Power broadening and shifts of micromaser lineshapes. In *Optics Communications*, 1991, vol. 85, no. 2-3, p. 267-274. ISSN 0030-4018. Dostupné na: [https://doi.org/10.1016/0030-4018\(91\)90407-5](https://doi.org/10.1016/0030-4018(91)90407-5)

Ohlasy:

1. [1.1] GHOSH, Saswata. Analytical studies on the coherent AC Stark effect of an open lambda-type drive-probe system. In *OPTIK*. ISSN 0030-4026, 2015, vol. 126, no. 24, pp. 4827., Registrované v: WOS

ADCA889 MRAFKO, Peter - DUHAJ, Pavol - ŠVEC, Peter. Crystallization of metastable phases in the Pd₈₃Si₁₇ amorphous alloy. In *Journal of Non-Crystalline Solids*, 2006, vol. 352, no. 50-51, p. 5284-5286. (2005: 1.264 - IF, Q1 - JCR, 1.003 - SJR, Q1 - SJR, Current Contents - CCC). (2006 - Current Contents, SCOPUS). ISSN 0022-3093. Dostupné na: <https://doi.org/10.1016/j.jnoncrysol.2006.08.021>

Ohlasy:

1. [1.1] DU XIAOQING - YE XIAOQIU - ZHANG GUIKAI - REN

QINGBO. Hydrogen-Related Properties of the Pd_{71.5}Cu₁₂Si_{16.5} Metallic Glass. In RARE METAL MATERIALS AND ENGINEERING. ISSN 1002-185X, 2018, vol. 47, no. 12, pp. 3629-3633., Registrované v: WOS

2. [1.1] SUN, Y. T. - CAO, C. R. - HUANG, K. Q. - SHI, J. A. - ZHAO, L. Z. - LI, M. Z. - BAI, H. Y. - GU, L. - ZHENG, D. N. - WANG, W. H. Real-space imaging of nucleation and size induced amorphization in PdSi nanoparticles. In INTERMETALLICS. ISSN 0966-9795, 2016, vol. 74, no., pp. 31-37., Registrované v: WOS

3. [1.1] ZHOU, S. H. - HUO, Y. - NAPOLITANO, Ralph E. Phase Stability for the Pd-Si System: First-Principles, Experiments, and Solution-Based Modeling. In METALLURGICAL AND MATERIALS TRANSACTIONS A-PHYSICAL METALLURGY AND MATERIALS SCIENCE. ISSN 1073-5623, 2016, vol. 47A, no. 1, pp. 194-208., Registrované v: WOS

ADCA890 MRKÝVKOVÁ, Nad'a, Tesařová** - HODAS, M. - HAGARA, Jakub - NÁDAŽDY, Peter - HALAHOVETS, Yuriy - BODIK, Michal - TOKÁR, Kamil - CHAI, J. W. - WANG, S. J. - CHI, D. Z. - CHUMAKOV, A. - KONOVALOV, O. - HINDERHOFER, A. - JERGEL, Matej - MAJKOVÁ, Eva - ŠIFFALOVIČ, Peter - SCHREIBER, F. Diindenoperylene thin-film structure on MoS₂ monolayer. In *Applied Physics Letters*, 2019, vol. 114, no. 25, 251906. (2018: 3.521 - IF, Q1 - JCR, 1.331 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 0003-6951. Dostupné na: <https://doi.org/10.1063/1.5100282>

Ohlasy:

1. [1.1] KHAN, Yahya - OBAIDULLA, Sk Md - HABIB, Mohammad Rezwan - KONG, Yuhua - XU, Mingsheng. Anomalous photoluminescence quenching in DIP/MoS₂ van der Waals heterostructure: Strong charge transfer and a modified interface. In APPLIED SURFACE SCIENCE. ISSN 0169-4332, 2020, vol. 530, 147213., Registrované v: WOS

2. [1.1] NARAYANAN, Theyencheri - KONOVALOV, Oleg. Synchrotron Scattering Methods for Nanomaterials and Soft Matter Research. In MATERIALS, 2020, vol. 13, no. 3, 752., Registrované v: WOS

ADCA891 MÚDRA, Erika** - SHEPA, Ivan - MILKOVIČ, Ondrej - DANKOVÁ, Zuzana - KOVALČÍKOVÁ, Alexandra - ANNUŠOVÁ, Adriana - MAJKOVÁ, Eva - DUSZA, Ján. Effect of iron doping on the properties of SnO₂ nano/microfibers. In *Applied Surface Science*, 2019, vol. 480, p. 876-881. (2018: 5.155 - IF, Q1 - JCR, 1.115 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 0169-4332. Dostupné na: <https://doi.org/10.1016/j.apsusc.2019.03.041>

Ohlasy:

1. [1.1] GAO, Xin - ZHOU, Qu - LU, Zhaorui - XU, Lingna - ZHANG, Qingyan - ZENG, Wen. Synthesis of Cr₂O₃ Nanoparticle-Coated SnO₂ Nanofibers and C₂H₂ Sensing Properties. In FRONTIERS IN MATERIALS. ISSN 2296-8016, 2019, vol. 6, no., pp., Registrované v: WOS

2. [1.1] MATYSIAK, Wiktor - TANSKI, Tomasz - SMOK, Weronika. Morphology and structure characterization of crystalline SnO₂ 1D nanostructures. In PHOTONICS LETTERS OF POLAND. ISSN 2080-2242, 2020, vol. 12, no. 3, pp. 70-72., Registrované v: WOS

3. [1.1] MA, Dehua - ZHU, Luyi - LIU, Benxue. Hydrothermally grown uniform TiO₂ coatings on ZrO₂ fibers and their infrared reflective and thermal

conductive properties. In CERAMICS INTERNATIONAL. ISSN 0272-8842, 2020, vol. 46, no. 3, pp. 3400-3405., Registrované v: WOS

ADCA892 MÜLLEROVÁ, Jarmila** - SCHOLTZ, Ľubomír - ĎURIŠOVÁ, Jana - PINČÍK, Emil - SOLANSKÁ, Michaela - PUDIŠ, Dušan. Angle- and polarization resolved antireflection properties of black silicon prepared by electrochemical etching supported by external electric field. In *Applied Surface Science*, 2018, vol. 461, p. 182-189. (2017: 4.439 - IF, Q1 - JCR, 1.093 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 0169-4332. Dostupné na: <https://doi.org/10.1016/j.apsusc.2018.05.179>

Ohlasy:

1. [1.1] CHAI, J. Y.H. - WONG, B. T. - JUODKAZIS, S.
Black-silicon-assisted photovoltaic cells for better conversion efficiencies: a review on recent research and development efforts. In MATERIALS TODAY ENERGY. ISSN 2468-6069, 2020, vol. 18, 100539., Registrované v: WOS
2. [1.1] NOOR, Nur Afidah Md. - MOHAMAD, Siti Khadijah - HAMIL, Siti Sarah - DEVARAJAN, Mutharasu - PAKHURUDDIN, Mohd Zamir. Effects of etching time towards broadband absorption enhancement in black silicon fabricated by silver-assisted chemical etching. In OPTIK. ISSN 0030-4026, 2019, vol. 176, pp. 586-592., Registrované v: WOS
3. [1.1] TAKAMURA, S. - AOTA, T. - IWATA, H. - MAENAKA, S. - FUJITA, K. - KIKUCHI, Y. - UESUGI, Y. Black silicon with nanostructured surface formed by low energy helium plasma irradiation. In APPLIED SURFACE SCIENCE. ISSN 0169-4332, 2019, vol. 487, pp. 755-765., Registrované v: WOS
4. [1.1] ZHANG, Zengxing - MARTINSEN, Thomas - LIU, Guohua - TAYYIB, Muhammad - CUI, Danfeng - DE BOER, Meint J. - KARLSEN, Frank - JAKOBSEN, Henrik - XUE, Chenyang - WANG, Kaiying. Ultralow Broadband Reflectivity in Black Silicon via Synergy between Hierarchical Texture and Specific-Size Au Nanoparticles. In ADVANCED OPTICAL MATERIALS. ISSN 2195-1071, 2020, vol. 8, no. 19, 2000668., Registrované v: WOS
5. [1.1] ZHU, Guanjia - LUO, Wei - WANG, Lianjun - JIANG, Wan - YANG, Jianping. Silicon: toward eco-friendly reduction techniques for lithium-ion battery applications. In JOURNAL OF MATERIALS CHEMISTRY A. ISSN 2050-7488, 2019, vol. 7, no. 43, pp. 24715-24737., Registrované v: WOS

ADCA893 MÜLLEROVÁ, J. - KAISER, Michal - NÁDAŽDY, Vojtech - ŠIFFALOVÍČ, Peter - MAJKOVÁ, Eva. Optical absorption study of P3HT:PCBM blend photo-oxidation for bulk heterojunction solar cells. In *Solar Energy*, 2016, vol. 134, p. 294-301. (2015: 3.685 - IF, Q1 - JCR, 1.912 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0038-092X. Dostupné na: <https://doi.org/10.1016/j.solener.2016.05.009>

Ohlasy:

1. [1.1] ABDULKARIM, Yadgar I. - DENG, Lianwen - MUHAMMAD, Fahmi F. - HE, Longhui. Enhanced light absorption in the organic thin films by coating cross-shaped metamaterial resonators onto the active layers. In RESULTS IN PHYSICS. ISSN 2211-3797, 2019, vol. 13, no., pp. Dostupné na: <https://doi.org/10.1016/j.rinp.2019.102338>., Registrované v: WOS

2. [1.1] ANEFNAF, Ikram - AAZOU, Safae - SCHMERBER, Guy - REFKI, Siham - ZIMMERMANN, Nicolas - HEISER, Thomas - FERBLANTIER, Gerald - SLAOUI, Abdelilah - DINIA, Aziz - ABD-LEFDIL, Mohammed - SEKKAT, Zouheir. Polyethylenimine-Ethoxylated Interfacial Layer for Efficient Electron Collection in SnO₂-Based Inverted Organic Solar Cells. In CRYSTALS. ISSN 2073-4352, 2020, vol. 10, no. 9, pp. Dostupné na: <https://doi.org/10.3390/cryst10090731>., Registrované v: WOS
3. [1.1] BAHRAMI, Zahra - SALEHI, Alireza - EYVARAGHI, Alireza Mahdlu. AMPS-1D Modelling of P3HT/PCBM Bilayer and BHJ Organic Solar Cell. In 2019 27TH IRANIAN CONFERENCE ON ELECTRICAL ENGINEERING (ICEE 2019). ISSN 2164-7054, 2019, vol., no., pp. 41-45., Registrované v: WOS
4. [1.1] GANZER, Lucia - ZAPPIA, Stefania - RUSSO, Mattia - FERRETTI, Anna Maria - VOHRA, Varun - DITERLIZZI, Marianna - ANTOGNAZZA, Maria Rosa - DESTRI, Silvia - VIRGILI, Tersilla. Ultrafast spectroscopy on water-processable PCBM: rod-coil block copolymer nanoparticles. In PHYSICAL CHEMISTRY CHEMICAL PHYSICS. ISSN 1463-9076, 2020, vol. 22, no. 45, pp. 26583-26591. Dostupné na: <https://doi.org/10.1039/d0cp05478j>., Registrované v: WOS
5. [1.1] GRZIBOVSKIS, Raitis - VEMBRIS, Aivars. Energy level determination in bulk heterojunction systems using photoemission yield spectroscopy: case of P3HT:PCBM. In JOURNAL OF MATERIALS SCIENCE. ISSN 0022-2461, 2018, vol. 53, no. 10, pp. 7506-7515. Dostupné na: <https://doi.org/10.1007/s10853-018-2050-9>., Registrované v: WOS
6. [1.1] GUPTA, Shailendra Kumar - BANERJEE, Suman - SINGH, Arjun - PALI, L. Sowjanya - GARG, Ashish. Modeling of degradation in normal and inverted OSC devices. In SOLAR ENERGY MATERIALS AND SOLAR CELLS. ISSN 0927-0248, 2019, vol. 191, no., pp. 329-338. Dostupné na: <https://doi.org/10.1016/j.solmat.2018.11.039>., Registrované v: WOS
7. [1.1] HAJDUK, B. - BEDNARSKI, H. - JARZABEK, B. - NITSCHKE, P. - JANECZEK, H. Phase diagram of P3HT:PC70BM thin films based on variable-temperature spectroscopic ellipsometry. In POLYMER TESTING. ISSN 0142-9418, 2020, vol. 84, no., pp. Dostupné na: <https://doi.org/10.1016/j.polymertesting.2020.106383>., Registrované v: WOS
8. [1.1] HISAMUDDIN, Syaza Nafisah - ABDULLAH, Shahino Mah - ALWI, Siiti Anis Khairani - MAJID, Siti Rohana - ANUAR, Afiq - SULAIMAN, Khaulah - TUNMEE, Sarayut - CHANLEK, Narong - BAWAZEER, Tahani M. - ALSOUFI, Mohammad S. - ALSENANY, Nourah - SUPANGAT, Azzuliani. Optimizing the performance of P3HT-based photodetector by tuning the composition of OXCBA. In SYNTHETIC METALS. ISSN 0379-6779, 2020, vol. 268, no., pp. Dostupné na: <https://doi.org/10.1016/j.synthmet.2020.116506>., Registrované v: WOS
9. [1.1] JEONG, Young Jin - SONG, Jung Hoon - JEONG, Sohee - BAIK, Seung Jae. PbS Colloidal Quantum Dot Solar Cells With Organic Hole Transport Layers for Enhanced Carrier Separation and Ambient Stability. In IEEE JOURNAL OF PHOTOVOLTAICS. ISSN 2156-3381, 2018, vol. 8, no. 2, pp. 493-498. Dostupné na: <https://doi.org/10.1109/JPHOTOV.2017.2784766>., Registrované v: WOS
10. [1.1] LASKARAKIS, A. Insights on the morphology of polymer donor: acceptor blends by optical metrology. In THIN SOLID FILMS. ISSN

- 0040-6090, 2018, vol. 648, no., pp. 62-68. Dostupné na:
<https://doi.org/10.1016/j.tsf.2018.01.006>., Registrované v: WOS
11. [1.1] NAJI, I. S. - MUSLIM, A. M. THE INFLUENCE OF HEAT TREATMENT ON THE CHARACTERISTIC OF POLY(3-HEXYLTHIOPHENE-2,5-DIYL)P3HT AND):[6,6] PHENYL-C-71-BUTYRIC ACID METHYL ESTER (PCBM)BLEND. In DIGEST JOURNAL OF NANOMATERIALS AND BIOSTRUCTURES. ISSN 1842-3582, 2019, vol. 14, no. 3, pp. 775-787., Registrované v: WOS
 12. [1.1] PARK, Joong-Mok - CHENG, Di - PATZ, Aaron - LUO, Liang - LIU, Zhaoyu - FUNGURA, Fadzai - SHINAR, Ruth - HO, Kai-Ming - SHINAR, Joseph - WANG, Jigang. Ultrafast nonlinear transparency driven at a telecom wavelength in an organic semiconductor system. In AIP ADVANCES, 2019, vol. 9, no. 2, pp. Dostupné na: <https://doi.org/10.1063/1.5042542>., Registrované v: WOS
 13. [1.1] PIRALAEI, Mina - EBRAHIMPOUR, Zeinab - ASGARI, Asghar. The improved performance of BHJ organic solar cells by random dispersed metal nanoparticles through the active layer. In CURRENT APPLIED PHYSICS. ISSN 1567-1739, 2020, vol. 20, no. 4, pp. 531-537. Dostupné na: <https://doi.org/10.1016/j.cap.2020.01.016>., Registrované v: WOS
 14. [1.1] RAFIQUE, Saqib - ABDULLAH, Shahino Mah - BADIEI, Nafiseh - MCGETTRICK, James - LAI, Khue Tian - ROSLAN, Nur Adilah - LEE, Harrison Ka Hin - TSOI, Wing Chung - LI, Lijie. An insight into the air stability of the benchmark polymer:fullerene photovoltaic films and devices: A comparative study. In ORGANIC ELECTRONICS. ISSN 1566-1199, 2020, vol. 76, no., pp. Dostupné na: <https://doi.org/10.1016/j.orgel.2019.105456>., Registrované v: WOS
 15. [1.1] XIONG, Chunhua - SUN, Jiuxun - CAI, Chao - CAIYANG, Weinan - ZHU, Yuanmin. Disclosing exciton binding energy of organic materials from absorption spectrum. In SOLAR ENERGY. ISSN 0038-092X, 2020, vol. 204, no., pp. 155-160. Dostupné na: <https://doi.org/10.1016/j.solener.2020.04.070>., Registrované v: WOS
 16. [1.1] XU, Binrui - SAI-ANAND, Gopalan - GOPALAN, Anantha-Iyengar - QIAO, Qiquan - KANG, Shin-Won. Improving Photovoltaic Properties of P3HT:IC(60)BA through the Incorporation of Small Molecules. In POLYMERS. ISSN 2073-4360, 2018, vol. 10, no. 2, pp. Dostupné na: <https://doi.org/10.3390/polym10020121>., Registrované v: WOS

ADCA894 MUTTALIB, K.A. - MARKOŠ, Peter - WOLFLE, P. Conductance distribution in strongly disordered mesoscopic systems in three dimensions. In *Physical Review B*, 2005, vol. 72, no. 12, 125317. (2004: 3.075 - IF, Current Contents - CCC). (2005 - Current Contents). ISSN 1550-235X. Dostupné na:
<https://doi.org/10.1103/PhysRevB.72.125317>

Ohlasy:

1. [1.1] SKIPETROV, S. E. Localization of light in a three-dimensional disordered crystal of atoms. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 102, no. 13, 134206., Registrované v: WOS
2. [1.1] SUSLOV, I. M. Conductance distribution in the magnetic field. In PHILOSOPHICAL MAGAZINE. ISSN 1478-6435, 2019, vol. 99, no. 2, pp. 247-266., Registrované v: WOS
3. [1.1] SUSLOV, I. M. General form of DMPK Equation. In

- ADCA895 NÁDAŽDY, Vojtech - DURNÝ, R. - PUIGDOLLERS, J. - VOZ, C. - CHEYLAN, S. - WEIS, M. Defect states in pentacene thin films prepared by thermal evaporation and Langmuir-Blodgett technique. In *Journal of Non-Crystalline Solids*, 2008, vol. 354, no. 19-25, p. 2888-2891. (2007: 1.319 - IF, Q1 - JCR, 0.947 - SJR, Q1 - SJR, Current Contents - CCC). (2008 - Current Contents, SCOPUS). ISSN 0022-3093. Dostupné na:
<https://doi.org/10.1016/j.jnoncrysol.2007.10.095>
Ohlasy:
1. [1.1] AHMAD, Faizan - KANDPAL, Kavindra - KUMAR, Naresh - KUMAR, Rachana - KUMAR, Pramod. Effect of Different Metallic Contacts on the Device Performance of a p-n Heterostructure of a Topological Insulator and Silicon (p-Bi₂Te₃/n-Si). In IEEE TRANSACTIONS ON ELECTRON DEVICES. ISSN 0018-9383, 2020, vol. 67, no. 12, pp. 5388-5395., Registrované v: WOS
- ADCA896 NÁDAŽDY, Vojtech - SCHAUER, F. - GMUCOVÁ, Katarína. Energy resolved electrochemical impedance spectroscopy for electronic structure mapping in organic semiconductors. In *Applied Physics Letters*, 2014, vol. 105, no. 14, 142109. (2013: 3.515 - IF, Q1 - JCR, 2.149 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents). ISSN 0003-6951. Dostupné na:
<https://doi.org/10.1063/1.4898068>
Ohlasy:
1. [1.1] ACEVEDO-PENA, Prospero - BARAY-CALDERON, Alejandro - HU, Hailin - GONZALEZ, Ignacio - UGALDE-SALDIVAR, Victor M. Measurements of HOMO-LUMO levels of poly(3-hexylthiophene) thin films by a simple electrochemical method. In JOURNAL OF SOLID STATE ELECTROCHEMISTRY. ISSN 1432-8488, 2017, vol. 21, no. 8, pp. 2407-2414., Registrované v: WOS
2. [1.1] ATXABAL, Ainhoa - ARNOLD, Thorsten - PARUI, Subir - ZUCCATTI, Elisabetta - CINCHETTI, Mirko - CASANOVA, Felix - ORTMANN, Frank - HUESO, Luis E. Molecular spectroscopy in a solid-state device. In MATERIALS HORIZONS. ISSN 2051-6347, 2019, vol. 6, no. 8, pp. 1663-1668., Registrované v: WOS
3. [1.1] MALOV, V. V. - TAMEEV, A. R. - NOVIKOV, S. V. - KHENKIN, M. V. - KAZANSKII, A. G. - VANNIKOV, A. V. Gaussian approximation of the spectral dependence of the absorption spectrum in polymer semiconductors. In SEMICONDUCTORS. ISSN 1063-7826, 2016, vol. 50, no. 4, pp. 482-486., Registrované v: WOS
4. [1.1] PEDROZA DIAS MELLO, Hugo Jose Nogueira - BUENO, Paulo Roberto - MULATO, Marcelo. Comparing glucose and urea enzymatic electrochemical and optical biosensors based on polyaniline thin films. In ANALYTICAL METHODS. ISSN 1759-9660, 2020, vol. 12, no. 34, pp. 4199-4210., Registrované v: WOS
5. [1.1] RUDOLPH, M. - RATCLIFF, E. L. Normal and inverted regimes of charge transfer controlled by density of states at polymer electrodes. In NATURE COMMUNICATIONS. ISSN 2041-1723, 2017, vol. 8, 1048., Registrované v: WOS

6. [1.1] VOITSEKHOVSKII, Alexander V. - NESMELOV, Sergey N. - NOVIKOV, Vadim A. - DZYADUKH, Stanislav M. - KOPYLOVA, Tatyana N. - IVONIN, Ivan - DEGTYARENKO, Konstantin M. - TERESHCHENKO, Evgeny. Admittance characterization of pentacene metal-insulator-semiconductor capacitors with SiO₂ and SiO₂/Ga₂O₃ insulators in temperature range of 9-300 K. In THIN SOLID FILMS. ISSN 0040-6090, 2019, vol. 692, 137622., Registrované v: WOS
7. [1.1] VOLK, Sebastian - YAZDANI, Nuri - SANUSOGLU, Emir - YAREMA, Olesya - YAREMA, Maksym - WOOD, Vanessa. Measuring the Electronic Structure of Nanocrystal Thin Films Using Energy-Resolved Electrochemical Impedance Spectroscopy. In JOURNAL OF PHYSICAL CHEMISTRY LETTERS. ISSN 1948-7185, 2018, vol. 9, no. 6, pp. 1384-1392., Registrované v: WOS
8. [1.1] WEBER, Michelle - WESTENDORF, Sophia - MAERKER, Bjoern - BRAUN, Kai - SCHEELE, Marcus. Opportunities and challenges for electrochemistry in studying the electronic structure of nanocrystals. In PHYSICAL CHEMISTRY CHEMICAL PHYSICS. ISSN 1463-9076, 2019, vol. 21, no. 18, pp. 8992-9001., Registrované v: WOS

ADCA897 NÁDAŽDY, Vojtech - DURNÝ, R. - PINČÍK, Emil. Evidence for the improved defect-pool model for gap states in amorphous silicon from charge DLTS experiments on undoped a-Si:H. In *Physical Review Letters*, 1997, vol. 78, no. 6, p. 1102-1105. (1997 - Current Contents, SCOPUS). ISSN 0031-9007.

Ohlasy:

1. [1.1] DARWICH, Rami. Laplace deep level transient spectroscopy study of intrinsic hydrogenated amorphous silicon. In JOURNAL OF NON-CRYSTALLINE SOLIDS. ISSN 0022-3093, 2015, vol. 411, pp. 119-124., Registrované v: WOS
2. [1.1] NUNOMURA, S. - SAKATA, I. - MATSUBARA, K. Impact of band tail distribution on carrier trapping in hydrogenated amorphous silicon for solar cell applications. In JOURNAL OF NON-CRYSTALLINE SOLIDS. ISSN 0022-3093, 2016, vol. 436, pp. 44-50., Registrované v: WOS

ADCA898 NÁDAŽDY, Vojtech - DURNÝ, R. - PUIGDOLLERS, J. - VOZ, C. - CHEYLAN, S. - GMUCOVÁ, Katarína. Experimental observation of oxygen-related defect state in pentacene thin films. In *Applied Physics Letters*, 2007, vol. 90, no. 9, 092112. (2006: 3.977 - IF, Q1 - JCR, 3.459 - SJR, Q1 - SJR, Current Contents - CCC). (2007 - Current Contents, SCOPUS). ISSN 0003-6951. Dostupné na: <https://doi.org/10.1063/1.2710203>

Ohlasy:

1. [1.1] BABY, Anu - FRATESI, Guido - VAIDYA, Shital R. - PATERA, Laerte L. - AFRICH, Cristina - FLOREANO, Luca - BRIVIO, Gian Paolo. Anchoring and Bending of Pentacene on Aluminum (001). In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2015, vol. 119, no. 7, pp. 3624., Registrované v: WOS
2. [1.1] BABY, Anu - LIN, He - BRIVIO, Gian Paolo - FLOREANO, Luca - FRATESI, Guido. Core-level spectra and molecular deformation in adsorption: V-shaped pentacene on Al(001). In BEILSTEIN JOURNAL OF NANOTECHNOLOGY. ISSN 2190-4286, 2015, vol. 6, NOV 27 2015., Registrované v: WOS

3. [1.1] CARR, John A. - ELSHOBAKI, Moneim - CHAUDHARY, Sumit. Deep defects and the attempt to escape frequency in organic photovoltaic materials. In *APPLIED PHYSICS LETTERS*. ISSN 0003-6951, 2015, vol. 107, no. 20, 203302., Registrované v: WOS
4. [1.1] LIN, Yow-Jon - TSAO, H. Y. Ambient-atmosphere annealing effect on the carrier conduction behavior based on the linear-regime transfer characteristics of pentacene thin film transistors. In *MICROELECTRONIC ENGINEERING*. ISSN 0167-9317, 2016, vol. 149, pp. 57-61., Registrované v: WOS

ADCA899 NÁDAŽDY, Vojtech - ZEMAN, M. Origin of charged gap states in a-Si: H and their nevolution during light soaking. In *Physical Review B*, 2004, vol. 69, no. 16, 165213. (2003: 2.962 - IF, Current Contents - CCC). (2004 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.69.165213>

Ohlasy:

1. [1.1] CHOI, Sungwoo - ISHII, Tetsuyuki - SATO, Ritsuko - CHIBA, Yasuo - MASUDA, Atsushi. Performance degradation due to outdoor exposure and seasonal variation in amorphous silicon photovoltaic modules. In *THIN SOLID FILMS*. ISSN 0040-6090, 2018, vol. 661, pp. 116-121., Registrované v: WOS
2. [1.1] KIM, Ka-Hyun - JOHNSON, Erik V. - CABARROCAS, Pere Roca I. Light-induced changes in silicon nanocrystal based solar cells: Modification of silicon-hydrogen bonding on silicon nanocrystal surface under illumination. In *JAPANESE JOURNAL OF APPLIED PHYSICS*. ISSN 0021-4922, 2016, vol. 55, no. 7, 072302., Registrované v: WOS

ADCA900 NÁDAŽDY, Vojtech - YAKUSHEV, M. - DJEBBAR, E.H. - HILL, A.E. - TOMLINSON, R.D. Switching of deep levels in CuInSe₂ due to electric field-induced Cu ion migration. In *Journal of Applied Physics*, 1998, vol. 84, no. 8, p. 4322-4326. (1997: 1.630 - IF, Current Contents - CCC). (1998 - Current Contents, SCOPUS). ISSN 0021-8979. Dostupné na: <https://doi.org/10.1063/1.368651>

Ohlasy:

1. [1.1] DJABAR, Mustapha - SATOUR, Fatima Zohra - ZEGADI, Ameer - YAKUSHEV, Michael. Near-infrared optical analysis of CuInSe₂(1 +/- x) crystals using transmission, photoacoustic and transmission-photoacoustic spectroscopies. In *INFRARED PHYSICS & TECHNOLOGY*. ISSN 1350-4495, 2019, vol. 100, no., pp. 37-43., Registrované v: WOS
2. [1.1] HSU, Chih-Chieh - LIN, Yu-Sheng. Electrode dependence of resistive switching characteristics in copper (II) oxide memory devices. In *SEMICONDUCTOR SCIENCE AND TECHNOLOGY*. ISSN 0268-1242, 2019, vol. 34, no. 7, 075012., Registrované v: WOS
3. [1.1] SATOUR, Fatima Zohra - ZEGADI, Ameer. Detailed absorption analysis from photoacoustic measurements of post-annealed CuInSe₂ in various environments. In *INFRARED PHYSICS & TECHNOLOGY*. ISSN 1350-4495, 2019, vol. 96, pp. 238-243., Registrované v: WOS
4. [1.1] SATOUR, Fatima Zohra - ZEGADI, Ameer. An optical absorption properties investigation of CuInSe₂ by a simultaneous photoacoustic-photoconductivity measuring technique. In *INFRARED PHYSICS*

- ADCA901 NÁDAŽDY, Vojtech - GMUCOVÁ, Katarína** - NÁDAŽDY, Peter - ŠIFFALOVÍČ, Peter - VĚGSO, Karol - JERSEL, Matej - SCHAUER, František - MAJKOVÁ, Eva. Thickness effect on structural defect-related density of states and crystallinity in P3HT thin films on ITO substrates. In *Journal of Physical Chemistry C*, 2018, vol. 122, no. 11, p. 5881-5887. (2017: 4.484 - IF, Q1 - JCR, 2.135 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 1932-7447. Dostupné na: <https://doi.org/10.1021/acs.jpcc.7b11651>

Ohlasy:

1. [1.1] ANGUNAWELA, Indunil - NAHID, Masrur M. - GHASEMI, Masoud - AMASSIAN, Aram - ADE, Harald - GADISA, Abay. The Critical Role of Materials' Interaction in Realizing Organic Field-Effect Transistors Via High-Dilution Blending with Insulating Polymers. In *ACS APPLIED MATERIALS & INTERFACES*. ISSN 1944-8244, 2020, vol. 12, no. 23, pp. 26239-26249., Registrované v: WOS
2. [1.1] HIEN NGUYEN - WANG, Mengyuan - HSIAO, Ming-Yin - NAGAI, Kazukiyo - DING, Yifu - LIN, Haiqing. Suppression of crystallization in thin films of cellulose diacetate and its effect on CO₂/CH₄ separation properties. In *JOURNAL OF MEMBRANE SCIENCE*. ISSN 0376-7388, 2019, vol. 586, pp. 7-14., Registrované v: WOS
3. [1.1] CHIH, Adel - BOUJMAL, Mohamed Fethi - BESSAIS, Brahim. Synthesis and characterization of photoactive material Cu₂NiSnS₄ thin films. In *JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS*. ISSN 0957-4522, 2019, vol. 30, no. 4, pp. 3338-3348., Registrované v: WOS

- ADCA902 NAGAJ, Daniel - BRODUTCH, A. - SATTATH, O. - UNRUH, D. An adaptive attack on Wiesner's quantum money. In *Quantum Information and Computation*, 2016, vol. 16, no. 11-12, p. 1048-1070. (2015: 1.328 - IF, Q2 - JCR, 0.753 - SJR, Q2 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 1533-7146.

Ohlasy:

1. [1.1] AMIRI, Ryan - ARRAZOLA, Juan Miguel. Quantum money with nearly optimal error tolerance. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2017, vol. 95, no. 6, 062334., Registrované v: WOS
2. [1.1] BICHSEL, Benjamin - BAADER, Maximilian - GEHR, Timon - VECHEV, Martin. Silq: A High-Level Quantum Language with Safe Uncomputation and Intuitive Semantics. In *PROCEEDINGS OF THE 41ST ACM SIGPLAN CONFERENCE ON PROGRAMMING LANGUAGE DESIGN AND IMPLEMENTATION (PLDI '20)*, 2020, pp. 286-300., Registrované v: WOS
3. [1.1] BOZZIO, Mathieu - DIAMANTI, Eleni - GROSSHANS, Frederic. Semi-device-independent quantum money with coherent states. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2019, vol. 99, no. 2, 022336., Registrované v: WOS
4. [1.1] GUAN, Jian-Yu - ARRAZOLA, Juan Miguel - AMIRI, Ryan - ZHANG, Weijun - LI, Hao - YOU, Lixing - WANG, Zhen - ZHANG, Qiang - PAN, Jian-Wei. Experimental preparation and verification of quantum money. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2018, vol. 97, no. 3, 032338.,

Registrované v: WOS

5. [1.1] HORODECKI, Karol - STANKIEWICZ, Maciej.
Semi-device-independent quantum money. In NEW JOURNAL OF PHYSICS.
ISSN 1367-2630, 2020, vol. 22, no. 2, 023007., Registrované v: WOS

ADCA903 NAGAJ, Daniel - WOCJAN, P. - ZHANG, Y. Fast amplification of QMA. In
Quantum Information and Computation, 2009, vol. 9, no. 11-12, p. 1053-1068.
ISSN 1533-7146.

Ohlasy:

1. [1.1] ABHIJITH, J. - PATEL, Apoorva. IMPROVING THE QUERY
COMPLEXITY OF QUANTUM SPATIAL SEARCH IN TWO DIMENSIONS.
In QUANTUM INFORMATION & COMPUTATION. ISSN 1533-7146, 2019,
vol. 19, no. 7-8, pp. 555-574., Registrované v: WOS

2. [1.1] ALBASH, Tameem - LIDAR, Daniel A. Adiabatic quantum
computation. In REVIEWS OF MODERN PHYSICS. ISSN 0034-6861, 2018,
vol. 90, no. 1, 015002., Registrované v: WOS

3. [1.1] ATALAY, Funda Ersoy - BINGOL, Alper - KAYA, Harun -
EMRE, Yildiz - BAS, Hatice Hande - CULUM, Ayse Asiye. Juglans
Sporopollenin for High-Performance Supercapacitor Electrode Design. In ACS
OMEGA. ISSN 2470-1343, 2020, vol. 5, no. 32, pp. 20417-20427., Registrované
v: WOS

4. [1.1] BERRY, Dominic W. - CHILDS, Andrew M. - CLEVE,
Richard - KOTHARI, Robin - SOMMA, Rolando D. EXPONENTIAL
IMPROVEMENT IN PRECISION FOR SIMULATING SPARSE
HAMILTONIANS. In FORUM OF MATHEMATICS SIGMA. ISSN
2050-5094, 2017, vol. 5, e8., Registrované v: WOS

5. [1.1] BROADBENT, Anne - JI, Zhengfeng - SONG, Fang -
WATROUS, John. ZERO-KNOWLEDGE PROOF SYSTEMS FOR QMA. In
SIAM JOURNAL ON COMPUTING. ISSN 0097-5397, 2020, vol. 49, no. 2, pp.
245-283., Registrované v: WOS

6. [1.1] GAO, X. - ZHANG, Z.Y. - DUAN, L.M. A quantum machine
learning algorithm based on generative models. In SCIENCE ADVANCES.
ISSN 2375-2548, 2018, vol. 4, no. 12, eaat9004., Registrované v: WOS

7. [1.1] KOBAYASHI, Hirotada - LE GALL, Francois - NISHIMURA,
Harumichi. STRONGER METHODS OF MAKING QUANTUM
INTERACTIVE PROOFS PERFECTLY COMPLETE. In SIAM JOURNAL ON
COMPUTING. ISSN 0097-5397, 2015, vol. 44, no. 2, pp. 243., Registrované v:
WOS

8. [1.1] REBENTROST, Patrick - GUPT, Brajesh - BROMLEY,
Thomas R. Quantum computational finance: Monte Carlo pricing of financial
derivatives. In PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 98, no. 2,
022321., Registrované v: WOS

9. [1.1] RIBEIRO, Jeremy - LE PHUC THINH - KANIEWSKI, Jędrzej
- HELSEN, Jonas - WEHNER, Stephanie. Device independence for two-party
cryptography and position verification with memoryless devices. In PHYSICAL
REVIEW A. ISSN 2469-9926, 2018, vol. 97, no. 6, 062307., Registrované v:
WOS

10. [1.1] WANG, Guoming. EFFICIENT QUANTUM ALGORITHMS
FOR ANALYZING LARGE SPARSE ELECTRICAL NETWORKS. In
QUANTUM INFORMATION & COMPUTATION. ISSN 1533-7146, 2017, vol.

17, no. 11-12, pp. 987-1026., Registrované v: WOS

11. [1.1] WANG, Guoming. Quantum algorithm for linear regression. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 96, no. 1, 012335., Registrované v: WOS

12. [1.1] XU, Guanglei - DALEY, Andrew J. - GIVI, Peyman - SOMMA, Rolando D. Turbulent Mixing Simulation via a Quantum Algorithm. In AIAA JOURNAL. ISSN 0001-1452, 2018, vol. 56, no. 2, pp. 687-699., Registrované v: WOS

13. [1.1] XU, Guanglei - DALEY, Andrew J. - GIVI, Peyman - SOMMA, Rolando D. Quantum algorithm for the computation of the reactant conversion rate in homogeneous turbulence. In COMBUSTION THEORY AND MODELLING. ISSN 1364-7830, 2019, vol. 23, no. 6, pp. 1090-1104., Registrované v: WOS

ADCA904 NAGAJ, Daniel. Fast universal quantum computation with railroad-switch local Hamiltonians. In *Journal of Mathematical Physics*, 2010, vol. 51, no. 6, 062201. (2009: 1.318 - IF, Q3 - JCR, 0.829 - SJR, Q2 - SJR, Current Contents - CCC). (2010 - Current Contents). ISSN 0022-2488. Dostupné na: <https://doi.org/10.1063/1.3384661>

Ohlasy:

1. [1.1] CIANI, A. - TERHAL, B. M. - DIVINCENZO, D. P. Hamiltonian quantum computing with superconducting qubits. In QUANTUM SCIENCE AND TECHNOLOGY. ISSN 2058-9565, 2019, vol. 4, no. 3, 035002., Registrované v: WOS

2. [1.1] EISERT, J. - FRIESDORF, M. - GOGOLIN, C. Quantum many-body systems out of equilibrium. In NATURE PHYSICS. ISSN 1745-2473, 2015, vol. 11, no. 2, pp. 124., Registrované v: WOS

3. [1.1] HAAH, Jeongwan - HASTINGS, Matthew B. - KOTHARI, Robin - LOW, Guang Hao. Quantum algorithm for simulating real time evolution of lattice Hamiltonians. In 2018 IEEE 59TH ANNUAL SYMPOSIUM ON FOUNDATIONS OF COMPUTER SCIENCE (FOCS). ISSN 0272-5428, 2018, pp. 350-360., Registrované v: WOS

4. [1.1] HANGLEITER, D. - KLIESCH, M. - SCHWARZ, M. - EISERT, J. Direct certification of a class of quantum simulations. In QUANTUM SCIENCE AND TECHNOLOGY. ISSN 2058-9565, 2017, vol. 2, no. 1, UNSP 015004., Registrované v: WOS

5. [1.1] LLOYD, Seth - TERHAL, Barbara M. Adiabatic and Hamiltonian computing on a 2D lattice with simple two-qubit interactions. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2016, vol. 18, 023042., Registrované v: WOS

6. [1.1] SUBASI, Yigit - JARZYNSKI, Christopher. Nonperturbative embedding for highly nonlocal Hamiltonians. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 94, no. 1, 012342., Registrované v: WOS

7. [1.1] SUN, Jie - LU, Songfeng. On the quantum adiabatic evolution with the most general system Hamiltonian. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2019, vol. 18, no. 7, 211., Registrované v: WOS

8. [1.1] XU, Shu - SUN, Xiangxiang - WU, Jizhou - ZHANG, Wei-Wei - ARSHED, Nigum - SANDERS, Barry C. Quantum walk on a chimera graph. In

ADCA905 NAGAJ, Daniel - WOCJAN, P. Hamiltonian quantum cellular automata in one dimension. In *Physical Review A*, 2008, vol. 78, no. 3, 032311. (2007: 2.893 - IF, Q1 - JCR, 2.524 - SJR, Q1 - SJR, Current Contents - CCC). (2008 - Current Contents). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.78.032311>

Ohlasy:

1. [1.1] ALBASH, Tameem - LIDAR, Daniel A. Adiabatic quantum computation. In *REVIEWS OF MODERN PHYSICS*. ISSN 0034-6861, 2018, vol. 90, no. 1, 015002., Registrované v: WOS
2. [1.1] ARRIGHI, P. An overview of quantum cellular automata. In *NATURAL COMPUTING*. ISSN 1567-7818, 2019, vol. 18, no. 4, pp. 885-899., Registrované v: WOS
3. [1.1] ATIA, Yosi - AHARONOV, Dorit. Fast-forwarding of Hamiltonians and exponentially precise measurements. In *NATURE COMMUNICATIONS*. ISSN 2041-1723, 2017, vol. 8, 1572., Registrované v: WOS
4. [1.1] BAUER, Bela - BRAVYI, Sergey - MOTTA, Mario - CHAN, Garnet Kin-Lic. Quantum Algorithms for Quantum Chemistry and Quantum Materials Science. In *CHEMICAL REVIEWS*. ISSN 0009-2665, 2020, vol. 120, no. 22, pp. 12685-12717., Registrované v: WOS
5. [1.1] BAUSCH, Johannes - CUBITT, Toby - OZOLS, Maris. The Complexity of Translationally Invariant Spin Chains with Low Local Dimension. In *ANNALES HENRI POINCARÉ*. ISSN 1424-0637, 2017, vol. 18, no. 11, pp. 3449-3513., Registrované v: WOS
6. [1.1] BAUSCH, Johannes - PIDDOCK, Stephen. The complexity of translationally invariant low-dimensional spin lattices in 3D. In *JOURNAL OF MATHEMATICAL PHYSICS*. ISSN 0022-2488, 2017, vol. 58, no. 11, 111901., Registrované v: WOS
7. [1.1] BAUSCH, Johannes. Perturbation Gadgets: Arbitrary Energy Scales from a Single Strong Interaction. In *ANNALES HENRI POINCARÉ*. ISSN 1424-0637, 2020, vol. 21, no. 1, pp. 81-114., Registrované v: WOS
8. [1.1] CENTRONE, Federico - TASSI, Camillo - BARBIERI, Marco - SERAFINI, Alessio. Reversibility and quantum coherence in one-dimensional quantum cellular automata. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2018, vol. 98, no. 1, 012105., Registrované v: WOS
9. [1.1] FARRELLY, Terry. A review of Quantum Cellular Automata. In *QUANTUM*. ISSN 2521-327X, 2020, vol. 4., Registrované v: WOS
10. [1.1] KERMAN, Andrew J. Superconducting qubit circuit emulation of a vector spin-1/2. In *NEW JOURNAL OF PHYSICS*. ISSN 1367-2630, 2019, vol. 21, 073030., Registrované v: WOS
11. [1.1] MCNALLY, Douglas M. - CLEMENS, James P. Performance of 1D quantum cellular automata in the presence of error. In *AIP ADVANCES*. ISSN 2158-3226, 2016, vol. 6, no. 9, 095115., Registrované v: WOS
12. [1.1] WEI, T.-CH.- LIANG C. Hamiltonian quantum computer in one dimension. In *PHYSICAL REVIEW A*, 2015, vol. 92, NO. 6, 062334., Registrované v: WOS

- ADCA906 NAGAJ, Daniel - KERENIDIS, I. On the optimality of quantum encryption schemes. In *Journal of Mathematical Physics*, 2006, vol. 47, no. 9, 092102. (2005: 1.192 - IF, Q3 - JCR, 0.920 - SJR, Q2 - SJR). ISSN 0022-2488. Dostupné na: <https://doi.org/10.1063/1.2339014>
- Ohlasy:
1. [1.1] JEONG, Kabgyun - KIM, Jaewan. Secure sequential transmission of quantum information. In *QUANTUM INFORMATION PROCESSING*. ISSN 1570-0755, 2015, vol. 14, no. 9, pp. 3523., Registrované v: WOS
 2. [1.1] JEONG, Kabgyun - KIM, Jaewan - LEE, Su-Yong. Gaussian private quantum channel with squeezed coherent states. In *SCIENTIFIC REPORTS*. ISSN 2045-2322, 2015, vol. 5, 13974., Registrované v: WOS
- ADCA907 NAGAJ, Daniel - FARHI, E. - GOLDSTONE, J. - SHOR, P. - SYLVESTER, I. Quantum transverse-field ising model on an infinite tree from matrix product states. In *Physical Review B*, 2008, vol. 77, no. 21, 214431. (2007: 3.172 - IF, Q1 - JCR, 2.892 - SJR, Q1 - SJR, Current Contents - CCC). (2008 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.77.214431>
- Ohlasy:
1. [1.1] PARK, Sung-Been - CHA, Min-Chul. Matrix product state approach to the finite-size scaling properties of the one-dimensional critical quantum Ising model. In *JOURNAL OF THE KOREAN PHYSICAL SOCIETY*. ISSN 0374-4884, 2015, vol. 67, no. 9, pp. 1619., Registrované v: WOS
 2. [1.1] YI, Hangmo. Quantum phase transition of the transverse-field quantum Ising model on scale-free networks. In *PHYSICAL REVIEW E*. ISSN 1539-3755, 2015, vol. 91, no. 1, 012146., Registrované v: WOS
- ADCA908 NAGAJ, Daniel. Universal two-body-Hamiltonian quantum computing. In *Physical Review A*, 2012, vol. 85, no. 3, 032330. (2011: 2.878 - IF, Q1 - JCR, 2.316 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.85.032330>
- Ohlasy:
1. [1.1] BANCHI, Leonardo - PANCOTTI, Nicola - BOSE, Sougato. Quantum gate learning in qubit networks: Toffoli gate without time-dependent control. In *NPJ QUANTUM INFORMATION*. ISSN 2056-6387, 2016, vol. 2, 16019., Registrované v: WOS
 2. [1.1] BAUSCH, Johannes - CUBITT, Toby - OZOLS, Maris. The Complexity of Translationally Invariant Spin Chains with Low Local Dimension. In *ANNALES HENRI POINCARÉ*. ISSN 1424-0637, 2017, vol. 18, no. 11, pp. 3449-3513., Registrované v: WOS
 3. [1.1] BAUSCH, Johannes. Perturbation Gadgets: Arbitrary Energy Scales from a Single Strong Interaction. In *ANNALES HENRI POINCARÉ*. ISSN 1424-0637, 2020, vol. 21, no. 1, pp. 81-114., Registrované v: WOS
 4. [1.1] CIANI, A. - TERHAL, B. M. - DIVINCENZO, D. P. Hamiltonian quantum computing with superconducting qubits. In *QUANTUM SCIENCE AND TECHNOLOGY*. ISSN 2058-9565, 2019, vol. 4, no. 3, 035002., Registrované v: WOS
 5. [1.1] ELOIE, Liam - BANCHI, Leonardo - BOSE, Sougato. Quantum arithmetics via computation with minimized external control: The half-adder. In

PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 97, no. 6, 062321.,
Registrované v: WOS

6. [1.1] JORDAN, Stephen P. Fast quantum computation at arbitrarily low energy. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 95, no. 3, 032305., Registrované v: WOS

7. [1.1] LLOYD, Seth - TERHAL, Barbara M. Adiabatic and Hamiltonian computing on a 2D lattice with simple two-qubit interactions. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2016, vol. 18, 023042., Registrované v: WOS

8. [1.1] SATTATH, Or. AN ALMOST SUDDEN JUMP IN QUANTUM COMPLEXITY. In QUANTUM INFORMATION & COMPUTATION. ISSN 1533-7146, 2015, vol. 15, no. 11-12, pp. 1048., Registrované v: WOS

ADCA909 NAITOH, Yoshitaka - TURANSKÝ, Robert - BRNDIAR, Ján - LI, Yan Jun - ŠTICH, Ivan - SUGAWARA, Yasuhiro. Subatomic-scale force vector mapping above a Ge(001) dimer using bimodal atomic force microscopy. In *Nature Physics*, 2017, vol. 13, no. 7, p. 663-668. (2016: 22.806 - IF, Q1 - JCR, 13.412 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 1745-2473.
Dostupné na: <https://doi.org/10.1038/nphys4083>

Ohlasy:

1. [1.1] AMO, Carlos A. - PERRINO, Alma P. - PAYAM, Amir F. - GARCIA, Ricardo. Mapping Elastic Properties of Heterogeneous Materials in Liquid with Angstrom-Scale Resolution. In ACS NANO. ISSN 1936-0851, 2017, vol. 11, no. 9, pp. 8650-8659., Registrované v: WOS

2. [1.1] BENAGLIA, Simone - GISBERT, Victor G. - PERRINO, Alma P. - AMO, Carlos A. - GARCIA, Ricardo. Fast and high-resolution mapping of elastic properties of biomolecules and polymers with bimodal AFM. In NATURE PROTOCOLS. ISSN 1754-2189, 2018, vol. 13, no. 12, pp. 2890-2907., Registrované v: WOS

3. [1.1] DE BEECK, Jonathan Op - FLEISCHMANN, C. - VANDERVORST, W. - PAREDIS, K. Nanoscale Localization of an Atom Probe Tip through Electric Field Mapping. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2020, vol. 124, no. 11, pp. 6371-6378., Registrované v: WOS

4. [1.1] DIETZ, Christian. Sensing in-plane nanomechanical surface and sub-surface properties of polymers: local shear stress as function of the indentation depth. In NANOSCALE. ISSN 2040-3364, 2018, vol. 10, no. 1, pp. 460-468., Registrované v: WOS

5. [1.1] GARCIA, Ricardo. Nanomechanical mapping of soft materials with the atomic force microscope: methods, theory and applications. In CHEMICAL SOCIETY REVIEWS. ISSN 0306-0012, 2020, vol. 49, no. 16, pp. 5850-5884., Registrované v: WOS

6. [1.1] GARRETT, Joseph L. - KRAYER, Lisa J. - PALM, Kevin J. - MUNDAY, Jeremy N. Effect of lateral tip motion on multifrequency atomic force microscopy. In APPLIED PHYSICS LETTERS. ISSN 0003-6951, 2017, vol. 111, no. 4, pp., Registrované v: WOS

7. [1.1] OKABAYASHI, Norio - PERONIO, Angelo - PAULSSON, Magnus - ARAI, Toyoko - GIESSIBL, Franz J. Vibrations of a molecule in an external force field. In PROCEEDINGS OF THE NATIONAL ACADEMY OF

SCIENCES OF THE UNITED STATES OF AMERICA. ISSN 0027-8424, 2018, vol. 115, no. 18, pp. 4571-4576., Registrované v: WOS

8. [1.1] SEEHOLZER, T. - GRETZ, O. - GIESSIBL, F. J. - WEYMOUTH, A. J. A Fourier method for estimating potential energy and lateral forces from frequency-modulation lateral force microscopy data. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2019, vol. 21, no., pp., Registrované v: WOS

9. [1.1] TAN, Xinfeng - GUO, Dan - LUO, Jianbin. Different directional energy dissipation of heterogeneous polymers in bimodal atomic force microscopy. In RSC ADVANCES, 2019, vol. 9, no. 47, pp. 27464-27474., Registrované v: WOS

10. [1.2] WEYMOUTH, A. J. Non-contact lateral force microscopy. In Journal of Physics Condensed Matter. ISSN 09538984, 2017-07-17, 29, 32, pp., Registrované v: SCOPUS

ADCA910 NAKAJIMA, Takashi** - NOIRI, Akito* - KAWASAKI, Kento - YONEDA, Jun - STAÑO, Peter - AMAHA, Shinichi - OTSUKA, Tomohiro - TAKEDA, Kenta - DELBECQ, Matthieu R. - ALLISON, Giles - LUDWIG, Arne - WIECK, Andreas D.* - LOSS, Daniel - TARUCHA, Seigo**. Coherence of a Driven Electron Spin Qubit Actively Decoupled from Quasistatic Noise. In *Physical Review X*, 2020, vol. 10, no. 1, art. no. 011060. (2019: 12.577 - IF, Q1 - JCR, 7.458 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 2160-3308. Dostupné na: <https://doi.org/10.1103/PhysRevX.10.011060>

Ohlasy:

1. [1.1] JANG, Wonjin - CHO, Min-Kyun - KIM, Jehyun - CHUNG, Hwanchul - UMANSKY, Vladimir - KIM, Dohun. Individual two-axis control of three singlet-triplet qubits in a micromagnet integrated quantum dot array. In APPLIED PHYSICS LETTERS. ISSN 0003-6951, 2020, vol. 117, no. 23, 234001., Registrované v: WOS

2. [1.1] KRANZ, Ludwik - GORMAN, Samuel Keith - THORGRIMSSON, Brandur - HE, Yu - KEITH, Daniel - KEIZER, Joris Gerhard - SIMMONS, Michelle Yvonne. Exploiting a Single-Crystal Environment to Minimize the Charge Noise on Qubits in Silicon. In ADVANCED MATERIALS. ISSN 0935-9648, 2020, vol. 32, no. 40, 2003361., Registrované v: WOS

ADCA911 NAKAJIMA, Takashi* - NOIRI, Akito - YONEDA, Jun - DELBECQ, Matthieu R. - STAÑO, Peter - OTSUKA, Tomohiro - TAKEDA, Kenta - AMAHA, Shinichi - ALLISON, Giles - KAWASAKI, Kento - LUDWIG, Arne - WIECK, Andreas D. - LOSS, Daniel - TARUCHA, Seigo*. Quantum non-demolition measurement of an electron spin qubit. In *Nature Nanotechnology*, 2019, vol. 14, no. 6, p. 555-560. (2018: 33.407 - IF, Q1 - JCR, 17.049 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 1748-3387. Dostupné na: <https://doi.org/10.1038/s41565-019-0426-x>

Ohlasy:

1. [1.1] BORDOLOI, Arunav - ZANNIER, Valentina - SORBA, Lucia - SCHONENBERGER, Christian - BAUMGARTNER, Andreas. A double quantum dot spin valve. In COMMUNICATIONS PHYSICS. ISSN 2399-3650, 2020, vol. 3, no. 1, 135., Registrované v: WOS

2. [1.1] BOWDEN, William - VIANELLO, Alvise - HILL, Ian R. -

SCHIOFFO, Marco - HOBSON, Richard. Improving the Q Factor of an Optical Atomic Clock Using Quantum Nondemolition Measurement. In PHYSICAL REVIEW X. ISSN 2160-3308, 2020, vol. 10, no. 4, 041052., Registrované v: WOS

3. [1.1] D'ANJOU, B. - BURKARD, Guido. Optimal dispersive readout of a spin qubit with a microwave resonator. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 100, no. 24, 245427., Registrované v: WOS

4. [1.1] GULLANS, Michael J. - HUSE, David A. Dynamical Purification Phase Transition Induced by Quantum Measurements. In PHYSICAL REVIEW X. ISSN 2160-3308, 2020, vol. 10, no. 4, 041020., Registrované v: WOS

5. [1.1] HAYS, M. - FATEMI, V - SERNIAK, K. - BOUMAN, D. - DIAMOND, S. - DE LANGE, G. - KROGSTROP, P. - NYGARD, J. - GERESDI, A. - DEVORET, M. H. Continuous monitoring of a trapped superconducting spin. In NATURE PHYSICS. ISSN 1745-2473, 2020, vol. 16, no. 11, pp. 1103-+, Registrované v: WOS

6. [1.1] MASUDA, Shumpei - TAN, Kuan Yen - NAKAHARA, Mikio. Theoretical Study on Spin-Selective Coherent Electron Transfer in a Quantum Dot Array. In UNIVERSE, 2020, vol. 6, no. 1, 2., Registrované v: WOS

7. [1.1] OLDANI, Richard. Reference systems and their origins. In PHYSICS ESSAYS. ISSN 0836-1398, 2020, vol. 33, no. 1, pp. 85-90., Registrované v: WOS

8. [1.1] XUE, Xiao - D'ANJOU, Benjamin - WATSON, Thomas F. - WARD, Daniel R. - SAVAGE, Donald E. - LAGALLY, Max G. - FRIESEN, Mark - COPPERSMITH, Susan N. - ERIKSSON, Mark A. - COISH, William A. - VANDERSYPEN, Lieven M. K. Repetitive Quantum Nondemolition Measurement and Soft Decoding of a Silicon Spin Qubit. In PHYSICAL REVIEW X. ISSN 2160-3308, 2020, vol. 10, no. 2, 021006., Registrované v: WOS

ADCA912 NAKAJIMA, T.** - DELBECQ, M.R. - OTSUKA, T. - STANO, Peter - AMAHA, S. - YONEDA, J. - NOIRI, A. - KAWASAKI, K. - TAKEDA, K. - ALLISON, G. - LUDWIG, A. - WIECK, A.D. - LOSS, D. - TARUCHA, S.**. Robust single-shot spin measurement with 99.5% fidelity in a quantum dot array. In *Physical Review Letters*, 2017, vol. 119, no. 1, art. no. 017701. (2016: 8.462 - IF, Q1 - JCR, 4.196 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.119.017701>

Ohlasy:

1. [1.1] BOGAN, Alex - STUDENIKIN, Sergei - KORKUSINSKI, Marek - GAUDREAU, Louis - ZAWADZKI, Piotr - SACHRAJDA, Andy - TRACY, Lisa - RENO, John - HARGETT, Terry. Single hole spin relaxation probed by fast single-shot latched charge sensing. In COMMUNICATIONS PHYSICS. ISSN 2399-3650, 2019, vol. 2, 17., Registrované v: WOS

2. [1.1] BURKARD, Guido - GULLANS, Michael J. - MI, Xiao - PETTA, Jason R. Superconductor-semiconductor hybrid-circuit quantum electrodynamics. In NATURE REVIEWS PHYSICS, 2020, vol. 2, no. 3, pp. 129-140., Registrované v: WOS

3. [1.1] COGAN, Dan - PENIAKOV, Giora - SU, Zu-En - GERSHONI, David. Complete state tomography of a quantum dot spin qubit. In PHYSICAL

REVIEW B. ISSN 2469-9950, 2020, vol. 101, no. 3, 035424., Registrované v: WOS

4. [1.1] CURRY, M. J. - RUDOLPH, M. - ENGLAND, T. D. - MOUNCE, A. M. - JOCK, R. M. - BUREAU-OXTON, C. - HARVEY-COLLARD, P. - SHARMA, P. A. - ANDERSON, J. M. - CAMPBELL, D. M. - WENDT, J. R. - WARD, D. R. - CARR, S. M. - LILLY, M. P. - CARROLL, M. S. Single-Shot Readout Performance of Two Heterojunction-Bipolar-Transistor Amplification Circuits at Millikelvin Temperatures. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2019, vol. 9, 16976., Registrované v: WOS
5. [1.1] D'ANJOU, B. - BURKARD, Guido. Optimal dispersive readout of a spin qubit with a microwave resonator. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 100, no. 24, 245427., Registrované v: WOS
6. [1.1] D'ANJOU, B. - COISH, W. A. Enhancing qubit readout through dissipative sub-Poissonian dynamics. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 96, no. 5, 052321., Registrované v: WOS
7. [1.1] FOGARTY, M. A. - CHAN, K. W. - HENSEN, B. - HUANG, W. - TANTTU, T. - YANG, C. H. - LAUCHT, A. - VELDHORST, M. - HUDSON, F. E. - ITOH, K. M. - CULCER, D. - LADD, T. D. - MORELLO, A. - DZURAK, A. S. Integrated silicon qubit platform with single-spin addressability, exchange control and single-shot singlet-triplet readout. In NATURE COMMUNICATIONS. ISSN 2041-1723, 2018, vol. 9, 4370., Registrované v: WOS
8. [1.1] GILBERT, Will - SARAIVA, Andre - LIM, Wee Han - YANG, Chih Hwan - LAUCHT, Arne - BERTRAND, Benoit - RAMBAL, Nils - HUTIN, Louis - ESCOTT, Christopher C. - VINET, Maud - DZURAK, Andrew S. Single-Electron Operation of a Silicon-CMOS 2 x 2 Quantum Dot Array with Integrated Charge Sensing. In NANO LETTERS. ISSN 1530-6984, 2020, vol. 20, no. 11, pp. 7882-7888., Registrované v: WOS
9. [1.1] HANN, Connor T. - ELDER, Salvatore S. - WANG, Christopher S. - CHOU, Kevin - SCHOELKOPF, Robert J. - JIANG, Liang. Robust readout of bosonic qubits in the dispersive coupling regime. In PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 98, no. 2, 022305., Registrované v: WOS
10. [1.1] JANG, Wonjin - KIM, Jehyun - CHO, Min-Kyun - CHUNG, Hwanchul - PARK, Sanghyeok - EOM, Jaeun - UMANSKY, Vladimir - CHUNG, Yunchul - KIM, Dohun. Robust energy-selective tunneling readout of singlet-triplet qubits under large magnetic field gradient. In NPJ QUANTUM INFORMATION, 2020, vol. 6, no. 1, 64., Registrované v: WOS
11. [1.1] JONES, A. M. - PRITCHETT, E. J. - CHEN, E. H. - KEATING, T. E. - ANDREWS, R. W. - BLUMOFF, J. Z. - DE LORENZO, L. A. - ENG, K. - HA, S. D. - KISELEV, A. A. - MEENEHAN, S. M. - MERKEL, S. T. - WRIGHT, J. A. - EDGE, L. F. - ROSS, R. S. - RAKHER, M. T. - BORSELLI, M. G. - HUNTER, A. Spin-Blockade Spectroscopy of Si/Si-Ge Quantum Dots. In PHYSICAL REVIEW APPLIED. ISSN 2331-7019, 2019, vol. 12, no. 1, 014026., Registrované v: WOS
12. [1.1] ORONA, Lucas A. - NICHOL, John M. - HARVEY, Shannon P. - BOTTCHEER, Charlotte G. L. - FALLAHI, Saeed - GARDNER, Geoffrey C. - MANFRA, Michael J. - YACOBY, Amir. Readout of singlet-triplet qubits at large magnetic field gradients. In PHYSICAL REVIEW B. ISSN 2469-9950,

2018, vol. 98, no. 12, 125404., Registrované v: WOS

13. [1.1] RISPLER, Manuel - CERFONTAINE, Pascal - LANGROCK, Veit - TERHAL, Barbara M. Towards a realistic GaAs-spin qubit device for a classical error-corrected quantum memory. In PHYSICAL REVIEW A. ISSN 2469-9926, 2020, vol. 102, no. 2, 022416., Registrované v: WOS

14. [1.1] RYU, Jung-Wan - MYOUNG, Nojoon - PARK, Hee Chul. Antiresonance induced by symmetry-broken contacts in quasi-one-dimensional lattices. In PHYSICAL REVIEW B. ISSN 2469-9950, 2017, vol. 96, no. 12, 125421., Registrované v: WOS

15. [1.1] TAGLIAFERRI, M. L. V. - BAVDAZ, P. L. - HUANG, W. - DZURAK, A. S. - CULCER, D. - VELDHORST, M. Impact of valley phase and splitting on readout of silicon spin qubits. In PHYSICAL REVIEW B. ISSN 2469-9950, 2018, vol. 97, no. 24, 245412., Registrované v: WOS

16. [1.1] TRACY, L. A. - RENO, J. L. - FALLAHI, S. - MANFRA, M. J. Integrated high electron mobility transistors in GaAs/AlGaAs heterostructures for amplification at sub-Kelvin temperatures. In APPLIED PHYSICS LETTERS. ISSN 0003-6951, 2019, vol. 114, no. 5, 053104., Registrované v: WOS

17. [1.1] URDAMPILLETA, Matias - NIEGEMANN, David J. - CHANRION, Emmanuel - JADOT, Baptiste - SPENCE, Cameron - MORTEMOSQUE, Pierre-Andre - BAUERLE, Christopher - HUTIN, Louis - BERTRAND, Benoit - BARRAUD, Sylvain - MAURAND, Romain - SANQUER, Marc - JEHL, Xavier - DE FRANCESCHI, Silvano - VINET, Maud - MEUNIER, Tristan. Gate-based high fidelity spin readout in a CMOS device. In NATURE NANOTECHNOLOGY. ISSN 1748-3387, 2019, vol. 14, no. 8, pp. 737-+, Registrované v: WOS

18. [1.1] WANG, Ke - LI, Hai-Ou - XIAO, Ming - CAO, Gang - GUO, Guo-Ping. Spin manipulation in semiconductor quantum dots qubit. In CHINESE PHYSICS B. ISSN 1674-1056, 2018, vol. 27, no. 9, 090308., Registrované v: WOS

19. [1.1] ZHANG, Xin - LI, Hai-Ou - CAO, Gang - XIAO, Ming - GUO, Guang-Can - GUO, Guo-Ping. Semiconductor quantum computation. In NATIONAL SCIENCE REVIEW. ISSN 2095-5138, 2019, vol. 6, no. 1, pp. 32-54., Registrované v: WOS

20. [1.1] ZHAO, R. - TANTTU, T. - TAN, K. Y. - HENSEN, B. - CHAN, K. W. - HWANG, J. C. C. - LEON, R. C. C. - YANG, C. H. - GILBERT, W. - HUDSON, F. E. - ITOH, K. M. - KISELEV, A. A. - LADD, T. D. - MORELLO, A. - LAUCHT, A. - DZURAK, A. S. Single-spin qubits in isotopically enriched silicon at low magnetic field. In NATURE COMMUNICATIONS. ISSN 2041-1723, 2019, vol. 10, 5500., Registrované v: WOS

ADCA913 NARA SINGH, B. S. - CULLEN, D. M. - TAYLOR, M. J. - SRIVASTAVA, P. C. - VAN ISACKER, P. - BEEKE, O. - DODSON, B. - SCHOLEY, C. - O'DONELL, D. - JAKOBSON, U. - GRAHN, T. - GREENLEES, P. T. - JONES, P. M. - JULIN, R. - KHAN, S. - LEINO, M. - LEPPÄNEN, A.-P. - EECKHAUDT, S. - MÄNTYNIEMI, K. - PAKARINEN, J. - PEURA, P. - RAHKILA, P. - SARÉN, J. - SORRI, J. - UUSITALO, J. - VENHART, Martin. Level structure above the 17(+) isomeric state in Tm-152(69)83. In *Physical Review C*, 2018, vol. 98, no. 2, 024319. (2017: 3.304 - IF, Q2 - JCR, 1.443 - SJR, Q1 - SJR, Current Contents - CCC). (2018

- Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na:
<https://doi.org/10.1103/PhysRevC.98.024319>

Ohlasy:

1. [1.1] GERATHY, M. S. M. - LANE, G. J. - STUCHBERY, A. E. - DRACOUIS, G. D. - KIBEDI, T. - AKBER, A. - BIGNELL, L. J. - COOMBES, B. J. - DOWIE, J. T. H. - GRAY, T. J. - LEE, B. Q. - MCCORMICK, B. P. - MITCHELL, A. J. - PALALANI, N. gamma-ray and conversion-electron spectroscopy of the high-spin isomer in Sm-145. In PHYSICAL REVIEW C. ISSN 0556-2813, 2020, vol. 102, no. 4, 044319., Registrované v: WOS

ADCA914 NAYAK, J. - MANIRAJ, M. - GLOSKOVSKII, A. - KRAJČÍ, Marián - SEBASTIAN, S. - FISHER, R. - HORN, K. - BARMAN, S.R. Bulk electronic structure of Zn-Mg-Y and Zn-Mg-Dy icosahedral quasicrystals. In *Physical Review B*, 2015, vol. 91, no. 23, 235116. (2014: 3.736 - IF, Q1 - JCR, 0.123 - SJR, Q4 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.91.235116>

Ohlasy:

1. [1.1] LI, Xia - LIU, Aijuan - CHU, Dongmei - ZHANG, Chunyong - DU, Yukou - HUANG, Jie - YANG, Ping. High Performance of Manganese Porphyrin Sensitized p-Type CuFe₂O₄ Photocathode for Solar Water Splitting to Produce Hydrogen in a Tandem Photoelectrochemical Cell. In CATALYSTS. ISSN 2073-4344, 2018, vol. 8, no. 3, 108., Registrované v: WOS

2. [1.1] NEJADSATTARI, Farshad - STADNIK, Zbigniew M. - PRZEWOZNIK, Janusz - GRUSHKO, Benjamin. Ab-initio, Mossbauer spectroscopy, and magnetic study of the approximant Al₇₂Ni₉Fe₁₉ to a decagonal Al-Ni-Fe quasicrystal. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2016, vol. 689, no., pp. 726-732., Registrované v: WOS

3. [1.1] NEJADSATTARI, Farshad - STADNIK, Zbigniew M. - PRZEWOZNIK, Janusz - GRUSHKO, Benjamin. Mossbauer spectroscopy, magnetic, and ab-initio study of the approximant Al₇₆Ni₉Fe₁₅ to a decagonal Al-Ni-Fe quasicrystal. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2016, vol. 662, no., pp. 612-620., Registrované v: WOS

4. [1.1] PHAM, Joyce - MENG, Fanqiang - LYNN, Matthew. - MA, Tao - KREYSSIG, Andreas - KRAMER, Matthew J. - GOLDMAN, Alan I. - MILLER, Gordon J. From Quasicrystals to Crystals with Interpenetrating Icosahedra in Ca-Au-Al: In Situ Variable-Temperature Transformation. In JOURNAL OF THE AMERICAN CHEMICAL SOCIETY. ISSN 0002-7863, 2018, vol. 140, no. 4, pp. 1337-1347., Registrované v: WOS

5. [1.1] ROGALEV, V. A. - GROENING, O. - WIDMER, R. - DIL, J. H. - BISTI, F. - LEV, L. L. - SCHMITT, T. - STROCOV, V. N. Fermi states and anisotropy of Brillouin zone scattering in the decagonal Al-Ni-Co quasicrystal. In NATURE COMMUNICATIONS. ISSN 2041-1723, 2015, vol. 6, 8607., Registrované v: WOS

6. [1.1] YAN, Jia - LIU, Jian - YE, Weizhuo - YUAN, Wenhuan - LIN, Jinlan - XIE, Jiahao - HUANG, Xuan - XIE, Jiehui - BAO, Min - YANG, Jinbin - LIU, Shinian - CHEN, Wenzhong - CHEN, Yongheng - ZHANG, Hongguo. Enhanced organic compounds utilization and desalination of coal-fired power plant FGD wastewater by mixed bacterial sulphate reducing consortium. In

- ADCA915 NEILINGER, G. - OELSNER, M. - GRAJCAR, Miroslav - IVANOV, B.I. - NOVIKOV, I.L. - IL'ICHEV, E.V. A microwave splitter for superconducting quantum circuits. In *Technical Physics Letters*, 2015, vol. 41, no. 4, pp. 314-316. (2014: 0.574 - IF, Q4 - JCR, 0.399 - SJR, Q3 - SJR, Current Contents - CCC). (2015 - Current Contents). ISSN 1063-7850. Dostupné na: <https://doi.org/10.1134/S1063785015040136>

Ohlasy:

1. [1.1] PODLIVAEV, A. I. - POKROVSKII, S. V. - ANISCHENKO, I. V. - RUDNEV, I. A. Precise Magnetometric Diagnostics of Critical-Current Inhomogeneities in High-Temperature Semiconductor Tapes. In *TECHNICAL PHYSICS LETTERS*. ISSN 1063-7850, 2017, vol. 43, no. 12, pp. 1136-1139., Registrované v: WOS
2. [1.1] PODLIVAEV, A. - POKROVSKII, S. - ANISHCHENKO, I. - RUDNEV, I. A. Magnetometry Diagnostics of Defects in High-Temperature Superconducting Tapes in a Gradient Magnetic Field. In *TECHNICAL PHYSICS*. ISSN 1063-7842, 2019, vol. 64, no. 4, pp. 480-489., Registrované v: WOS

- ADCA916 NEILINGER, Pavol** - ŠČEPKA, Tomáš - MRUCZKIEWICZ, Michal - DÉRER, Ján - MANCA, Daniel - DOBROČKA, Edmund - SAMARDAK, A.S. - GRAJCAR, Miroslav - CAMBEL, Vladimír. Ferromagnetic resonance study of sputtered Pt/Co/Pt multilayers. In *Applied Surface Science*, 2018, vol. 461, p. 202-205. (2017: 4.439 - IF, Q1 - JCR, 1.093 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 0169-4332. Dostupné na: <https://doi.org/10.1016/j.apsusc.2018.06.172>

Ohlasy:

1. [1.1] STEBLIY, Maksim E. - KOLESNIKOV, Alexander G. - OGNEV, Alexey V. - DAVYDENKO, Aleksandr V. - STEBLIY, Ekaterina V. - WANG, Xiao - HAN, Xiufeng - SAMARDAK, Alexander S. Advanced Method for the Reliable Estimation of Spin-Orbit-Torque Efficiency in Low-Coercivity Ferromagnetic Multilayers. In *PHYSICAL REVIEW APPLIED*. ISSN 2331-7019, 2019, vol. 11, no. 5, pp., Registrované v: WOS
2. [1.1] TAVARES, M. A. B. - ANDRADE, L. H. F. - MARTINS, M. D. - GOMES, G. F. M. - FERNANDEZ-OUTON, L. E. - MATINAGA, F. M. Precession damping in [Co60Fe40/Pt](5) multilayers with varying magnetic homogeneity investigated with femtosecond laser pulses. In *AIP ADVANCES*, 2019, vol. 9, no. 12, pp., Registrované v: WOS

- ADCA917 NEILINGER, P. - SHEVCHENKO, S.N. - BOGAR, J. - REHAK, M. - OELSNER, G. - KARPOV, D.S. - HUBNER, U. - ASTAFIEV, O. - GRAJCAR, Miroslav - IL'ICHEV, E. Landau-Zener-Stueckelberg-Majorana lasing in circuit quantum electrodynamics. In *Physical Review B*, 2016, vol. 94, no. 9, art. no. 094519. (2015: 3.718 - IF, Q1 - JCR, 2.377 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.94.094519>

Ohlasy:

1. [1.1] ASHHAB, S. Landau-Zener-Stueckelberg interferometry with

- driving fields in the quantum regime. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2017, vol. 50, no. 13, 134002., Registrované v: WOS
2. [1.1] DANGA, J. E. - SADEM, C. K. - JIPDI, M. N. - et al. Landau-Zener tunneling and magnetic control of spin qubit in a quantum wire: Dynamic matrix approach. In PHYSICA B-CONDENSED MATTER. ISSN 0921-4526, 2017, vol. 515, pp. 75-81., Registrované v: WOS
 3. [1.1] GU, Xiu - KOCKUM, Anton Frisk - MIRANOWICZ, Adam - LIU, Yu-xi - NORI, Franco. Microwave photonics with superconducting quantum circuits. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, 2017, vol. 718, pp. 1-102., Registrované v: WOS
 4. [1.1] CHEN, Ruofan. Landau-Zener transitions in a fermionic dissipative environment. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 101, no. 12, 125426., Registrované v: WOS
 5. [1.1] KAR, Satyaki. Two-rate periodic protocol with dynamics driven through many cycles. In PHYSICAL REVIEW B. ISSN 2469-9950, 2017, vol. 95, no. 8, 085141., Registrované v: WOS
 6. [1.1] KERVINEN, Mikael - RAMIREZ-MUNOZ, Jhon E. - VALIMAA, Alpo - SILLANPAA, Mika A. Landau-Zener-Stuckelberg Interference in a Multimode Electromechanical System in the Quantum Regime. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 123, no. 24, 240401., Registrované v: WOS
 7. [1.1] KOSKI, J. - LANDIG, A. J. - PALYI, A. - SCARLINO, P. - REICHL, C. - WEGSCHIEDER, W. - BURKARD, G. - WALLRAFF, A. - ENSSLIN, K. - IHN, T. Floquet Spectroscopy of a Strongly Driven Quantum Dot Charge Qubit with a Microwave Resonator. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2018, vol. 121, no. 4, 043603., Registrované v: WOS
 8. [1.1] LAURA GRAMAJO, Ana - DOMINGUEZ, Daniel - JOSE SANCHEZ, Maria. Entanglement generation through the interplay of harmonic driving and interaction in coupled superconducting qubits. In EUROPEAN PHYSICAL JOURNAL B. ISSN 1434-6028, 2017, vol. 90, no. 12, 255., Registrované v: WOS
 9. [1.1] LAURA GRAMAJO, Ana - DOMINGUEZ, Daniel - JOSE SANCHEZ, Maria. Amplitude tuning of steady-state entanglement in strongly driven coupled qubits. In PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 98, no. 4, 042337., Registrované v: WOS
 10. [1.1] STEHLIK, J. - LIU, Y.Y. - EICHLER, C. - HARTKE, T. R. - MI, X. - GULLANS, M. J. - TAYLOR, J. M. - PETTA, J. R. Double Quantum Dot Floquet Gain Medium. In PHYSICAL REVIEW X. ISSN 2160-3308, 2016, vol. 6, no. 4, 041027., Registrované v: WOS

ADCA918 NEILINGER, P. - REHÁK, M. - GRAJCAR, Miroslav. Two-photon lasing by a superconducting qubit. In *Physical Review B*, 2015, vol. 91, no. 10, 104516. (2014: 3.736 - IF, Q1 - JCR, 0.123 - SJR, Q4 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.91.104516>

Ohlasy:

1. [1.1] FELICETTI, S. - ROSSATTO, D. Z. - RICO, E. - SOLANO, E. - FORN-DIAZ, P. Two-photon quantum Rabi model with superconducting circuits. In PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 97, no. 1,

013851., Registrované v: WOS

2. [1.1] GU, Xiu - KOCKUM, Anton Frisk - MIRANOWICZ, Adam - LIU, Yu-xi - NORI, Franco. Microwave photonics with superconducting quantum circuits. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, 2017, vol. 718, pp. 1-102., Registrované v: WOS
3. [1.1] CHESTNOV, Igor Yu. - SHAHNAZARYAN, Vanik A. - ALODJANTS, Alexander P. - SHELYKH, Ivan A. Terahertz Lasing in Ensemble of Asymmetric Quantum Dots. In ACS PHOTONICS. ISSN 2330-4022, 2017, vol. 4, no. 11, pp. 2726-2737., Registrované v: WOS
4. [1.1] KOUZELIS, Andreas - MACIESZCZAK, Katarzyna - MINAR, Jiri - LESANOVSKY, Igor. Dissipative quantum state preparation and metastability in two-photon micromasers. In PHYSICAL REVIEW A. ISSN 2469-9926, 2020, vol. 101, no. 4, 043847., Registrované v: WOS
5. [1.1] MORTENSEN, Henrik Lund - MOLMER, Klaus - ANDERSEN, Christian Kraglund. Normal modes of a superconducting transmission-line resonator with embedded lumped element circuit components. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 94, no. 5, 053817., Registrované v: WOS
6. [1.1] VILLAS-BOAS, Celso J. - ROSSATTO, Daniel Z. Multiphoton Jaynes-Cummings Model: Arbitrary Rotations in Fock Space and Quantum Filters. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 122, no. 12, 123604., Registrované v: WOS
7. [1.1] WANG, Yan - WU, Jin-Lei - SONG, Jie - ZHANG, Zi-Jing - JIANG, Yong-Yuan - XIA, Yan. Enhancing atom-field interaction in the reduced multiphoton Tavis-Cummings model. In PHYSICAL REVIEW A. ISSN 2469-9926, 2020, vol. 101, no. 5, 053826., Registrované v: WOS

ADCA919 NESTERENKO, V. O.** - REPKO, Anton - KVASIL, J. - REINHARD, P.-G. Individual dipole toroidal states: Main features and search in the (e, e') reaction. In *Physical Review C*, 2019, vol. 100, no. 6, 064302. (2018: 3.132 - IF, Q2 - JCR, 1.502 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.100.064302>

Ohlasy:

1. [1.1] SHIKATA, Yuki - KANADA-EN'YO, Yoshiko. Variation after K-projection in antisymmetrized molecular dynamics for low-energy dipole excitations in Be-10 and O-16. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS. ISSN 2050-3911, 2020, vol. 2020, no. 7, 073D01., Registrované v: WOS

ADCA920 NESTERENKO, V. O.** - REPKO, Anton - KVASIL, J. - REINHARD, P.-G. Individual Low-Energy Toroidal Dipole State in Mg-24. In *Physical Review Letters*, 2018, vol. 120, no. 18, art. no. 182501. (2017: 8.839 - IF, Q1 - JCR, 3.622 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.120.182501>

Ohlasy:

1. [1.1] ABROSIMOV, V. - DAVYDOVSKA, O. ISOSCALAR DIPOLE RESPONSE OF HEAVY NUCLEI IN LOW-ENERGY REGION WITHIN KINETIC MODEL. In NUCLEAR PHYSICS AND ATOMIC ENERGY. ISSN 1818-331X, 2020, vol. 21, no. 2, pp. 129-136., Registrované v:

WOS

2. [1.1] KANADA-EN'YO, Yoshiko - SHIKATA, Yuki. Isoscalar dipole excitations in O-16. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 1, 014301., Registrované v: WOS
3. [1.1] LI, T. - CHEN, M. Z. - ZHANG, C. L. - NAZAREWICZ, W. - KORTELAINE, M. Nucleon localization function in rotating nuclei. In PHYSICAL REVIEW C. ISSN 0556-2813, 2020, vol. 102, no. 4, 044305., Registrované v: WOS
4. [1.1] PIETRALLA, Norbert - ISAAK, Johann - WERNER, Volker. Photonuclear reactions: Achievements and perspectives. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2019, vol. 55, no. 12, 237., Registrované v: WOS
5. [1.1] SHIKATA, Yuki - KANADA-EN'YO, Yoshiko - MORITA, Hiroyuki. Low-energy dipole excitation modes in Be-10. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS. ISSN 2050-3911, 2019, no. 6, 063D01., Registrované v: WOS
6. [1.1] SHIKATA, Yuki - KANADA-EN'YO, Yoshiko. Variation after K-projection in antisymmetrized molecular dynamics for low-energy dipole excitations in Be-10 and O-16. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS. ISSN 2050-3911, 2020, vol. 2020, no. 7, 073D01., Registrované v: WOS
7. [1.1] TABAR, E. - YAKUT, H. - KULIEV, A. A. - HOSGOR, G. - KEMAH, E. - QULIYEV, H. Investigation of the electric dipole (E1) excitations in Ta-181 nucleus. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2020, vol. 56, no. 10, 271., Registrované v: WOS

ADCA921 NESTERENKO, V.O.** - KVASIL, J. - REPKO, Anton - KLEINIG, W. - REINHARD, P.-G. Toroidal resonance: Relation to pygmy mode, vortical properties, and anomalous deformation splitting. In *Physics of Atomic Nuclei*, 2016, vol. 79, no. 6, p. 842-850. (2015: 0.457 - IF, Q4 - JCR, 0.337 - SJR, Q3 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 1063-7788. Dostupné na: <https://doi.org/10.1134/S106377881606020X>

Ohlasy:

1. [1.1] BRACCO, A. - LANZA, E. G. - TAMII, A. Isoscalar and isovector dipole excitations: Nuclear properties from low-lying states and from the isovector giant dipole resonance. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2019, vol. 106, pp. 360-433., Registrované v: WOS
2. [1.1] GAMBACURTA, D. - GRASSO, M. - SORLIN, O. Soft breathing modes in neutron-rich nuclei with the subtracted second random-phase approximation. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 1, 014317., Registrované v: WOS
3. [1.1] GRASSO, M. - GAMBACURTA, D. Beyond-mean-field effects on the symmetry energy and its slope from the low-lying dipole response of Ni-68. In PHYSICAL REVIEW C. ISSN 0556-2813, 2020, vol. 101, no. 6, 064314., Registrované v: WOS
4. [1.1] KANADA-EN'YO, Yoshiko - SHIKATA, Yuki. Toroidal, compressive, and E1 properties of low-energy dipole modes in Be-10. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 6, 064319., Registrované v: WOS

5. [1.1] KANADA-EN'YO, Yoshiko - HORIUCHI, Hisashi. Coexistence of cluster and shell-model aspects in nuclear systems. In FRONTIERS OF PHYSICS. ISSN 2095-0462, 2018, vol. 13, no. 6, 132108., Registrované v: WOS
6. [1.1] KANADA-EN'YO, Yoshiko - SHIKATA, Yuki - MORITA, Horiyuki. Cluster and toroidal aspects of isoscalar dipole excitations in C-12. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 1, 014303., Registrované v: WOS
7. [1.1] KANADA-EN'YO, Yoshiko - SHIKATA, Yuki. Isoscalar dipole excitations in O-16. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 1, 014301., Registrované v: WOS
8. [1.1] LANZA, E. G. - PELLEGGRI, L. - ANDRES, M. V. - CATARA, F. - VITTURI, A. Low-lying dipole and quadrupole states Are they new excitation modes? In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2019, vol. 55, no. 12, 235., Registrované v: WOS
9. [1.1] ROCA-MAZA, X. - PAAR, N. Nuclear equation of state from ground and collective excited state properties of nuclei. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2018, vol. 101, pp. 96-176., Registrované v: WOS
10. [1.1] SHIKATA, Yuki - KANADA-EN'YO, Yoshiko - MORITA, Hiroyuki. Low-energy dipole excitation modes in Be-10. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS. ISSN 2050-3911, 2019, no. 6, 063D01., Registrované v: WOS
11. [1.1] SHIKATA, Yuki - KANADA-EN'YO, Yoshiko. Variation after K-projection in antisymmetrized molecular dynamics for low-energy dipole excitations in Be-10 and O-16. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS. ISSN 2050-3911, 2020, vol. 2020, no. 7, 073D01., Registrované v: WOS

ADCA922 NICHELE, F. - HENNEL, S. - PIETSCH, P. - WEGSCHEIDER, W. - STAÑO, Peter - JACQUOD, P. Generation and detection of spin currents in semiconductor nanostructures with strong spin-orbit interaction. In *Physical Review Letters*, 2015, vol. 114, no. 20, 206601. (2014: 7.512 - IF, Q1 - JCR, 5.232 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.114.206601>

Ohlasy:

1. [1.1] BERA, Ganesh - SURAMPALLI, Akash - MISHRA, Aradhya - MAL, P. - REDDY, V. R. - BANERJEE, A. - SAGDEO, Archana - DAS, Pradip - TURPU, G. R. Magnetolattice coupling, magnetic frustration, and magnetoelectric effect in the Cr-doped FeVO₄ multiferroic material and their correlation with structural phase transitions. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 100, no. 1, 014436., Registrované v: WOS
2. [1.1] BUDAGOSKY, J. A. Cross-section geometry effects in the subband structure and spin-related properties of a HgTe/CdTe nanowire. In PHYSICAL REVIEW B. ISSN 2469-9950, 2017, vol. 96, no. 11, 115443., Registrované v: WOS
3. [1.1] COMAS, Aleix Bou - CHUDNOVSKY, Eugene M. - TEJADA, Javier. Manipulating quantum spins by spin-polarized current: an approach based upon PT-symmetric quantum mechanics. In JOURNAL OF PHYSICS-CONDENSED MATTER. ISSN 0953-8984, 2019, vol. 31, no. 19,

195801., Registrované v: WOS

4. [1.1] JO, Insun - MUEED, M. A. - PFEIFFER, L. N. - WEST, K. W. - BALDWIN, K. W. - WINKLER, R. - PADMANABHAN, Medini - SHAYEGAN, M. Tuning of Fermi contour anisotropy in GaAs (001) 2D holes via strain. In APPLIED PHYSICS LETTERS. ISSN 0003-6951, 2017, vol. 110, no. 25, 252103., Registrované v: WOS
5. [1.1] LU, Fangchao - TANG, Ning - SHANG, Liangliang - GUAN, Hongming - XU, Fujun - GE, Weikun - SHEN, Bo. Magneto-transport Spectroscopy of the First and Second Two-dimensional Subbands in Al_{0.25}Ga_{0.75}N/GaN Quantum Point Contacts. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2017, vol. 7, 42974., Registrované v: WOS
6. [1.1] MATSUO, Sadashige - KUROYAMA, Kazuyuki - YABUNAKA, Shunsuke - VALENTIN, Sascha R. - LUDWIG, Arne - WIECK, Andreas D. - TARUCHA, Seigo. Full counting statistics of spin-flip and spin-conserving charge transitions in Pauli-spin blockade. In PHYSICAL REVIEW RESEARCH, 2020, vol. 2, no. 3, 033120., Registrované v: WOS
7. [1.1] RAMOS, J. G. G. S. - VASCONCELOS, T. C. - BARBOSA, A. L. R. Spin-to-charge conversion in 2D electron gas and single-layer graphene devices. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2018, vol. 123, no. 3, 034304., Registrované v: WOS
8. [1.1] RAMOS-ANDRADE, J. P. - PENA, F. J. - GONZALEZ, A. - AVALOS-OVANDO, O. - ORELLANA, P. A. Spin-Seebeck effect and spin polarization in a multiple quantum dot molecule. In PHYSICAL REVIEW B. ISSN 2469-9950, 2017, vol. 96, no. 16, 165413., Registrované v: WOS
9. [1.1] SAFAIEE, Rosa - GOLSHAN, Mohammad Mehdi. Von Neumann entropy in a Rashba-Dresselhaus nanodot; dynamical electronic spin-orbit entanglement. In EUROPEAN PHYSICAL JOURNAL B. ISSN 1434-6028, 2017, vol. 90, no. 6, 121., Registrované v: WOS
10. [1.1] SHAHNAZARYAN, V. - MORINA, S. - TARASENKO, S. A. - SHELYKH, I. A. Spin currents of exciton polaritons in microcavities with (110)-oriented quantum wells. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 92, no. 15, 155305., Registrované v: WOS
11. [1.1] TERASAWA, D. - NORIMOTO, S. - ARAKAWA, T. - FERRIER, M. - FUKUDA, A. - KOBAYASHI, K. - HIRAYAMA, Y. Conductance quantization and shot noise of a double-layer quantum point contact. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 101, no. 11, 115401., Registrované v: WOS
12. [1.1] VERCOSA, T. - DOH, Yong-Joo - RAMOS, J. G. G. S. - BARBOSA, A. L. R. Conductance peak density in nanowires. In PHYSICAL REVIEW B. ISSN 2469-9950, 2018, vol. 98, no. 15, 155407., Registrované v: WOS
13. [1.1] WANG, L. Y. - CHU, C. S. All-electric spin pumping in quantum channels with a single finger-gate capacitor. In PHYSICAL REVIEW B. ISSN 2469-9950, 2017, vol. 95, no. 7, 075406., Registrované v: WOS

ADCA923 NISHIMOTO, Kazue - KRAJČÍ, Marián - SAKURAI, Takayuki - IWAMOTO, Hirone - ONODA, Mitsuko - NISHIMURA, Chikashi - TSAI, Jeng-Ting - WANG, Sea-Fue - KAMEOKA, Satoshi - TSAI, An-Pang**. Fast Oxidation of Porous Cu Induced by Nano-Twinning. In *Inorganic Chemistry*, 2018, vol. 57, no. 5, p. 2908-2916. (2017: 4.700 - IF, Q1 - JCR, 1.892 - SJR, Q1 - SJR,

Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 0020-1669. Dostupné na: <https://doi.org/10.1021/acs.inorgchem.7b03225>

Ohlasy:

1. [1.1] ZHANG, Wei - HUANG, Chuqiang - XIAO, Qin - YU, Luo - SHUAI, Ling - AN, Pengfei - ZHANG, Jing - QIU, Ming - REN, Zhifeng - YU, Ying. Atypical Oxygen-Bearing Copper Boosts Ethylene Selectivity toward Electrocatalytic CO₂ Reduction. In JOURNAL OF THE AMERICAN CHEMICAL SOCIETY. ISSN 0002-7863, 2020, vol. 142, no. 26, pp. 11417-11427., Registrované v: WOS
2. [1.1] ZHU, Yongfu - ZHOU, Shuo - ZHANG, Jian - LI, Chunhe - JI, Zhengtong - LIU, Guojun - JIANG, Qing. Oxidation Resistance Failure of Dilute CuAl alloys at 800 degrees C. In MATERIALS TODAY COMMUNICATIONS. ISSN 2352-4928, 2020, vol. 25, 101529., Registrované v: WOS

ADCA924 NISHINO, T. - HIEIDA, Y. - OKUNISHI, K. - MAESHINA, N. - AKUTSU, Y. - GENDIAR, Andrej. Two-dimensional tensor product variational formulation. In *Progress Theoretical Physics*, 2001, vol. 105, no. 3, p. 409-417. Dostupné na: <https://doi.org/10.1143/PTP.105.409>

Ohlasy:

1. [1.1] ANSHU, Anurag - ARAD, Itai - JAIN, Aditya. How local is the information in tensor networks of matrix product states or projected entangled pairs states. In PHYSICAL REVIEW B. ISSN 2469-9950, 2016, vol. 94, no. 19, 095143., Registrované v: WOS
2. [1.1] BRIDGEMAN, Jacob C. - WILLIAMSON, Dominic J. Anomalies and entanglement renormalization. In PHYSICAL REVIEW B. ISSN 2469-9950, 2017, vol. 96, no. 12, 125104., Registrované v: WOS
3. [1.1] CORBOZ, Philippe. Improved energy extrapolation with infinite projected entangled-pair states applied to the two-dimensional Hubbard model. In PHYSICAL REVIEW B. ISSN 1098-0121, 2016, vol. 93, no. 4, 045116., Registrované v: WOS
4. [1.1] CORBOZ, Philippe. Variational optimization with infinite projected entangled-pair states. In PHYSICAL REVIEW B. ISSN 2469-9950, 2016, vol. 94, no. 3, 035133., Registrované v: WOS
5. [1.1] CZARNIK, Piotr - CORBOZ, Philippe. Finite correlation length scaling with infinite projected entangled pair states at finite temperature. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 99, no. 24, 245107., Registrované v: WOS
6. [1.1] EHLERS, G. - SOLYOM, J. - LEGEZA, O. - NOACK, R. M. Entanglement structure of the Hubbard model in momentum space. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 92, no. 23, 235116., Registrované v: WOS
7. [1.1] HAEGEMAN, Jutho - VERSTRAETE, Frank. Diagonalizing Transfer Matrices and Matrix Product Operators: A Medley of Exact and Computational Methods. In ANNUAL REVIEW OF CONDENSED MATTER PHYSICS, VOL 8. ISSN 1947-5454, 2017, vol. 8, pp. 355-406., Registrované v: WOS
8. [1.1] HALPERN, Nicole Yunger - CROSSON, Elizabeth. Quantum information in the Posner model of quantum cognition. In ANNALS OF PHYSICS. ISSN 0003-4916, 2019, vol. 407, pp. 92-147., Registrované v: WOS
9. [1.1] HOTTA, Yoshihito. Tensor-network algorithm for

- nonequilibrium relaxation in the thermodynamic limit. In PHYSICAL REVIEW E. ISSN 2470-0045, 2016, vol. 93, no. 6, 062136., Registrované v: WOS
10. [1.1] HYATT, Katharine - GARRISON, James R. - BAUER, Bela. Extracting Entanglement Geometry from Quantum States. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2017, vol. 119, no. 14, 140502., Registrované v: WOS
11. [1.1] CHAN, Garnet Kin-Lic - KESELMAN, Anna - NAKATANI, Naoki - LI, Zhendong - WHITE, Steven R. Matrix product operators, matrix product states, and ab initio density matrix renormalization group algorithms. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2016, vol. 145, no. 1, 014102., Registrované v: WOS
12. [1.1] IREGUI, Juan Osorio - TROYER, Matthias - CORBOZ, Philippe. Infinite matrix product states versus infinite projected entangled-pair states on the cylinder: A comparative study. In PHYSICAL REVIEW B. ISSN 2469-9950, 2017, vol. 96, no. 11, 115113., Registrované v: WOS
13. [1.1] KNECHT, Stefan - HEDEGARD, Erik Donovan - KELLER, Sebastian - KOVYRSHIN, Arseny - MA, Yingjin - MUOLO, Andrea - STEIN, Christopher J. - REIHER, Markus. New Approaches for ab initio Calculations of Molecules with Strong Electron Correlation. In CHIMIA. ISSN 0009-4293, 2016, vol. 70, no. 4, pp. 244-251., Registrované v: WOS
14. [1.1] KOVYRSHIN, Arseny - REIHER, Markus. Tensor network states with three-site correlators. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2016, vol. 18, 113001., Registrované v: WOS
15. [1.1] KSHETRIMAYUM, Augustine - BALZ, Christian - LAKE, Bella - EISERT, Jens. Tensor network investigation of the double layer Kagome compound $\text{Ca}_{10}\text{Cr}_7\text{O}_{28}$. In ANNALS OF PHYSICS. ISSN 0003-4916, 2020, vol. 421, 168292., Registrované v: WOS
16. [1.1] KUKULJAN, Ivan - PROSEN, Tomaz. Corner transfer matrices for 2D strongly coupled many-body Floquet systems. In JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT. ISSN 1742-5468, 2016, 043305., Registrované v: WOS
17. [1.1] LIAO, H. J. - XIE, Z. Y. - CHEN, J. - et al. Gapless Spin-Liquid Ground State in the $S=1/2$ Kagome Antiferromagnet. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2017, vol. 118, no. 13, 137202., Registrované v: WOS
18. [1.1] NATAF, Pierre - LAJKO, Miklos - CORBOZ, Philippe - LAEUCHLI, Andreas M. - PENC, Karlo - MILA, Frederic. Plaquette order in the $\text{SU}(6)$ Heisenberg model on the honeycomb lattice. In PHYSICAL REVIEW B. ISSN 2469-9950, 2016, vol. 93, no. 20, 201113., Registrované v: WOS
19. [1.1] NIESEN, Ido - CORBOZ, Philippe. A tensor network study of the complete ground state phase diagram of the spin-1 bilinear-biquadratic Heisenberg model on the square lattice. In SCIPOST PHYSICS. ISSN 2542-4653, 2017, vol. 3, no. 4, UNSP 030., Registrované v: WOS
20. [1.1] NIESEN, Ido - CORBOZ, Philippe. Emergent Haldane phase in the $S=1$ bilinear-biquadratic Heisenberg model on the square lattice. In PHYSICAL REVIEW B. ISSN 2469-9950, 2017, vol. 95, no. 18, 180404., Registrované v: WOS
21. [1.1] NIETNER, A. - VANHECKE, B. - VERSTRAETE, F. - EISERT, J. - VANDERSTRAETEN, L. Efficient variational contraction of two-dimensional tensor networks with a non-trivial unit cell. In QUANTUM.

ISSN 2521-327X, 2020, vol. 4., Registrované v: WOS

22. [1.1] OKUBO, Tsuyoshi - SHINJO, Kazuya - YAMAJI, Youhei - et al. Ground-state properties of Na₂IrO₃ determined from an ab initio Hamiltonian and its extensions containing Kitaev and extended Heisenberg interactions. In PHYSICAL REVIEW B. ISSN 2469-9950, 2017, vol. 96, no. 5, 054434.,

Registrované v: WOS

23. [1.1] PENG, Cheng - RAN, Shi-Ju - LIU, Tao - CHEN, Xi - SU, Gang. Fermionic algebraic quantum spin liquid in an octa-kagome frustrated antiferromagnet. In PHYSICAL REVIEW B. ISSN 2469-9950, 2017, vol. 95, no. 7, 075140., Registrované v: WOS

24. [1.1] PHIEN, Ho N. - BENGUA, Johann A. - TUAN, Hoang D. - CORBOZ, Philippe - ORUS, Roman. Infinite projected entangled pair states algorithm improved: Fast full update and gauge fixing. In PHYSICAL REVIEW B. ISSN 2469-9950, 2015, vol. 92, no. 3, 035142., Registrované v: WOS

25. [1.1] PHIEN, Ho N. - MCCULLOCH, Ian P. - VIDAL, Guifre. Fast convergence of imaginary time evolution tensor network algorithms by recycling the environment. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 91, no. 11, 115137., Registrované v: WOS

26. [1.1] POILBLANC, Didier - MAMBRINI, Matthieu. Quantum critical phase with infinite projected entangled paired states. In PHYSICAL REVIEW B. ISSN 2469-9950, 2017, vol. 96, no. 1, 014414., Registrované v: WOS

27. [1.1] POILBLANC, Didier - MAMBRINI, Matthieu - CAPPONI, Sylvain. Critical colored-RVB states in the frustrated quantum Heisenberg model on the square lattice. In SCIPOST PHYSICS. ISSN 2542-4653, 2019, vol. 7, no. 4, 041., Registrované v: WOS

28. [1.1] POILBLANC, Didier. Investigation of the chiral antiferromagnetic Heisenberg model using projected entangled pair states. In PHYSICAL REVIEW B. ISSN 2469-9950, 2017, vol. 96, no. 12, 121118., Registrované v: WOS

29. [1.1] PONSIOEN, Boris - CORBOZ, Philippe. Excitations with projected entangled pair states using the corner transfer matrix method. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 101, no. 19, 195109., Registrované v: WOS

30. [1.1] TENG, Peiyuan. Generalization of the tensor renormalization group approach to 3-D or higher dimensions. In PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS. ISSN 0378-4371, 2017, vol. 472, pp. 117-135., Registrované v: WOS

31. [1.1] WARE, Brayden - KIMCHI, Itamar - PARAMESWARAN, S. A. - BAUER, Bela. Topological crystalline Bose insulator in two dimensions via entanglement spectrum. In PHYSICAL REVIEW B. ISSN 2469-9950, 2015, vol. 92, no. 19, 195105., Registrované v: WOS

32. [1.1] XIE, Z. Y. - LIAO, H. J. - HUANG, R. Z. - et al. Optimized contraction scheme for tensor-network states. In PHYSICAL REVIEW B. ISSN 2469-9950, 2017, vol. 96, no. 4, 045128., Registrované v: WOS

33. [1.1] YANG, Shuo - GU, Zheng-Cheng - WEN, Xiao-Gang. Loop Optimization for Tensor Network Renormalization. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2017, vol. 118, no. 11, 110504., Registrované v: WOS

34. [1.1] ZHAO, Hui-Hai - IDO, Kota - MORITA, Satoshi - et al.

Variational Monte Carlo method for fermionic models combined with tensor networks and applications to the hole-doped two-dimensional Hubbard model. In PHYSICAL REVIEW B. ISSN 2469-9950, 2017, vol. 96, no. 8, 085103., Registrované v: WOS

35. [1.1] ZHAO, Hui-Hai - XIE, Zhi-Yuan - XIANG, Tao - IMADA, Masatoshi. Tensor network algorithm by coarse-graining tensor renormalization on finite periodic lattices. In PHYSICAL REVIEW B. ISSN 2469-9950, 2016, vol. 93, no. 12, 125115., Registrované v: WOS

ADCA925 NORBY, T. - HARTMANOVÁ, Mária. Electrical-conductivity and ionic transport number of YSZ and CR-doped YSZ single-crystals at 200-1000-degrees-C. In *Solid State Ionics*, 1993, vol. 67, no. 1-2, p. 57-64. (1992: 1.093 - IF, Current Contents - CCC). (1993 - Current Contents). ISSN 0167-2738.

Ohlasy:

1. [1.1] MISHRA, Mukesh K. - MAHALING, R. N. Single or both site doped BiFeO₃-Which is better candidate for profound electronic device applications? In CHINESE JOURNAL OF PHYSICS. ISSN 0577-9073, 2018, vol. 56, no. 3, pp. 965-973., Registrované v: WOS

2. [1.1] VEAL, Boyd W. - KIM, Seong Keun - ZAPOL, Peter - IDDIR, Hakim - BALDO, Peter M. - EASTMAN, Jeffrey A. Interfacial control of oxygen vacancy doping and electrical conduction in thin film oxide heterostructures. In NATURE COMMUNICATIONS. ISSN 2041-1723, 2016, vol. 7, 11892., Registrované v: WOS

3. [1.1] VENDRELL, Xavier - WEST, Anthony R. Electrical Properties of Yttria-Stabilized Zirconia, YSZ Single Crystal: Local AC and Long Range DC Conduction. In JOURNAL OF THE ELECTROCHEMICAL SOCIETY. ISSN 0013-4651, 2018, vol. 165, no. 11, pp. F966-F975., Registrované v: WOS

4. [1.1] YANG, F. - YU, Z. - MENG, B. - ZHU, Y. J. - YANG, Q. Q. - LIN, Z. L. - ZHOU, H. M. - LIANG, X. L. Microstructure and electrical properties of Sr_{1-x} Na_x SiO_{3-x/2} ceramics prepared by SPS process. In IONICS. ISSN 0947-7047, 2016, vol. 22, no. 11, pp. 2087-2093., Registrované v: WOS

5. [1.1] ZHANG, Xiaomei - KONYSSHEVA, Elena Yu. Porous ceramics based on yttrium and scandium-cerium doped ZrO₂ with fluorite structure: Impact of chromium on conductivity. In SOLID STATE IONICS. ISSN 0167-2738, 2018, vol. 319, pp. 271-277., Registrované v: WOS

ADCA926 NOSKO, Martin - NAGY, Štefan - WEBER, L. - MAŤKO, Igor - MIHALKOVIČ, Marek - IŽDINSKÝ, Karol - OROVČÍK, Ľubomír. Effect of Ca addition on interface formation in Al(Ca)/Al₂O₃ composites prepared by gas pressure assisted infiltration. In *Materials and Design*, 2016, vol. 108, p. 618-623. (2015: 3.997 - IF, Q1 - JCR, 1.844 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0261-3069. Dostupné na: <https://doi.org/10.1016/j.matdes.2016.07.034>

Ohlasy:

1. [1.1] CHEN, Haijun - CHEN, Zhe - ZHAO, Guixia - ZHANG, Zhibin - XU, Chao - LIU, Yunhai - CHEN, Jing - ZHUANG, Li - HAYA, Tasawar - WANG, Xiangke. Enhanced Enhanced adsorption of U(VI) and Am-241(III) from wastewater using Ca/Al layered double hydroxide@carbon nanotube composites. In JOURNAL OF HAZARDOUS MATERIALS. ISSN 0304-3894,

2018, vol. 347, no., pp. 67-77., Registrované v: WOS

2. [1.1] CHEN, Yongtao - LIU, Xinghai - ZHANG, Tingbo - XIE, Haonan - ZHAO, Naiqin - SHI, Chunsheng - HE, Chunnian - LI, Jiajun - LI, Enzo. Interface intrinsic strengthening mechanism on the tensile properties of Al₂O₃/Al composites. In COMPUTATIONAL MATERIALS SCIENCE. ISSN 0927-0256, 2019, vol. 169., Registrované v: WOS

3. [1.1] XU, Hanqing - ZHANG, Liu - WANG, Zhi - WU, Junyan - YANG, Fan. Effects of Ta₂O₅ on mechanical properties and elements diffusion of Ti/Al₂O₃ composites prepared via hot pressing sintering. In CERAMICS INTERNATIONAL. ISSN 0272-8842, 2017, vol. 43, no. 10, pp. 7935-7941., Registrované v: WOS

4. [2.1] KOSASANG, Onthida - KUMMOO, Autsadawoath - KONGHAKOT, Ratchapol - TALANGKUN, Sukangkana. Impact resistance and fracture surface of al6061 hybrid composites reinforced by fly ash and calcium oxide. In Solid State Phenomena. ISSN 10120394, 2020-01-01, 304 SSP, pp. 3-8. Dostupné na: <https://doi.org/10.4028/www.scientific.net/SSP.304.3>., Registrované v: SCOPUS

ADCA927 NOSKO, Martin - SIMANČÍK, František - IŽDINSKÝ, Karol - ŠVEC, Peter - FLOREK, Roman. Stabilizing intermetallic phases within aluminum foam. In *Materials Letters*, 2011, vol. 65, no. 9, p. 1378-1380. (2010: 2.120 - IF, Q1 - JCR, 1.056 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents). ISSN 0167-577X. Dostupné na: <https://doi.org/10.1016/j.matlet.2011.02.007>

Ohlasy:

1. [1.1] AN, Yukun - YANG, Siyi - WU, Hongyan - ZHAO, Ertuan - WANG, Zongshen. Investigating the internal structure and mechanical properties of graphene nanoflakes enhanced aluminum foam. In MATERIALS & DESIGN. ISSN 0264-1275, 2017, vol. 134, no., pp. 44-53., Registrované v: WOS

2. [1.1] AN, Y. K. - YANG, S. Y. - ZHAO, E. T. - ZHOU, H. A. Formation mechanism and three-point bending behaviour of directly fabricated aluminium foam plates. In MATERIALS SCIENCE AND TECHNOLOGY. ISSN 0267-0836, 2017, vol. 33, no. 4, pp. 421-429., Registrované v: WOS

3. [1.1] DUARTE, Isabel - VESENJAK, Matej - KRSTULOVIC-OPARA, Lovre - ANZEL, Ivan - FERREIRA, Jose M. F. Manufacturing and bending behaviour of in situ foam-filled aluminium alloy tubes. In MATERIALS & DESIGN. ISSN 0264-1275, 2015, vol. 66, no., pp. 532., Registrované v: WOS

4. [1.1] HAMPL, Milan - SCHMID-FETZER, Rainer. Experimental investigation and thermodynamic assessment of the Al-Ca-Ti system. In JOURNAL OF MATERIALS SCIENCE. ISSN 0022-2461, 2015, vol. 50, no. 17, pp. 5822., Registrované v: WOS

5. [1.1] HAN, Chang-Suk - JIN, Sung-Yooun - KWON, Hyuk-Ku. Combustion of Al-Ni Precursor Al₃Ni Foam Manufacture of Composite Structure with Hollow Pipe and Filling of Foam and Investigation of Pore Condition. In KOREAN JOURNAL OF MATERIALS RESEARCH. ISSN 1225-0562, 2019, vol. 29, no. 10, pp. 617-622., Registrované v: WOS

6. [1.1] HE, Si-yuan - LV, Yi-nan - CHEN, Shi-ting - DAI, Ge - LIU, Jia-gui - HUO, Meng-ke. Gradient regulation and compressive properties of density-graded aluminum foam. In MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES

- MICROSTRUCTURE AND PROCESSING. ISSN 0921-5093, 2020, vol. 772, 138658., Registrované v: WOS
7. [1.1] CHENG, Ying - LI, Yanxiang - CHEN, Xiang - LIU, Zhiyong - ZHOU, Xu - WANG, Ningzhen. Optimizing Calcium Addition for Fabricating Aluminum Foams with Different Pore Sizes. In MATERIALS TRANSACTIONS. ISSN 1345-9678, 2018, vol. 59, no. 8, pp. 1367-1374., Registrované v: WOS
8. [1.1] ROSSI, Stefano - BIZZOTTO, Mirco - DEFLORIAN, Flavio - FEDEL, Michele. Study of anodizing process on aluminium foam to improve the corrosion behavior. In SURFACE AND INTERFACE ANALYSIS. ISSN 0142-2421, 2019, vol. 51, no. 12, pp. 1194-1206., Registrované v: WOS
9. [1.1] TORRES TORRES, J. - FLORES VALDES, A. - TREJO RIVERA, N. M. - ALMANZA ROBLES, J. M. Analysis of the formation of intermetallic compounds in foams Al-Cu-Ni obtained from recycled aluminum cans. In MATERIALS TODAY-PROCEEDINGS. ISSN 2214-7853, 2019, vol. 10, pp. 355-359., Registrované v: WOS
10. [1.2] LIU, Zhiyong - CHENG, Ying - LI, Yanxiang - WANG, Ningzhen - ZHOU, Xu. Study on Deformation of Closed-Cell Aluminum Foam in Different Solid-Liquid-Gas Coexisting States. In Minerals, Metals and Materials Series. ISSN 23671181, 2020-01-01, pp. 69-82. Dostupné na: https://doi.org/10.1007/978-3-030-42798-6_7., Registrované v: SCOPUS

ADCA928 OBLOŽINSKÝ, Pavol. Particle-hole state densities for statistical multistep compound reactions. In *Nuclear Physics A*, 1986, vol. 453, no. 1, p. 127-140. ISSN 0375-9474.

Ohlasy:

1. [1.1] OLISE, Felix S. - OLADUNJOYE, Oludaisi I. - AJALA, Afis - OLORUNFUNMI, Sunday D. - OLANIYI, Hezekiah B. Response of multi-step compound pre-equilibrium reaction cross sections for the (p, n) reactions to forms of optical model parameters. In NUCLEAR SCIENCE AND TECHNIQUES. ISSN 1001-8042, 2017, vol. 28, no. 10, 147., Registrované v: WOS

ADCA929 OBLOŽINSKÝ, Pavol. Preequilibrium gamma-rays with angular-momentum coupling. In *Physical review C*, 1987, vol. 35, no. 2, p. 407-414. ISSN 2469-9985.

Ohlasy:

1. [1.1] BETAK, Emil - CSEH, Jozsef. State density formalism of the Iwamoto-Harada model: A suitable tool to treat cluster emission from heavy-ion collisions with account for spin variables. In ND 2016: INTERNATIONAL CONFERENCE ON NUCLEAR DATA FOR SCIENCE AND TECHNOLOGY. ISSN 2100-014X, 2017, vol. 146, 12023., Registrované v: WOS
2. [1.1] GUO, Hairui - XU, Yongli - HAN, Yinlu - SHEN, Qingbiao - YE, Tao - SUN, Weili. Calculation and Evaluation for the n+V-51 Reaction. In NUCLEAR SCIENCE AND ENGINEERING. ISSN 0029-5639, 2017, vol. 186, no. 2, pp. 156-167., Registrované v: WOS
3. [1.1] SU, Xinwu - HAN, Yinlu - CAI, Chonghai. Theoretical calculations of n+Th-232 reaction for energies up to 150 MeV. In ANNALS OF NUCLEAR ENERGY. ISSN 0306-4549, 2015, vol. 76, pp. 469., Registrované v: WOS
4. [1.1] SU, Xinwu - HAN, Yinlu - CAI, Chonghai. Neutron-induced

reaction on U-233. In ANNALS OF NUCLEAR ENERGY. ISSN 0306-4549, 2016, vol. 90, no., pp. 123-134., Registrované v: WOS

ADCA930 OCELÍK, Václav - DIKO, Pavel - HAJKO, Vladimír Jr. - MIŠKUF, Jozef - DUHAJ, Pavol. Fracture-toughness of some metallic glasses. In *Journal of Materials Science*, 1987, vol. 22, no. 7, p. 2305-2308. (1986: 0.924 - IF, Current Contents - CCC). (1987 - Current Contents, WOS, SCOPUS). ISSN 0022-2461. Dostupné na: <https://doi.org/10.1007/BF01082108>

Ohlasy:

1. [1.1] QIAO, Junwei - JIA, Haoling - LIAW, Peter K. Metallic glass matrix composites. In MATERIALS SCIENCE & ENGINEERING R-REPORTS. ISSN 0927-796X, 2016, vol. 100, pp. 1-69., Registrované v: WOS

ADCA931 OCELÍK, Václav - BENGUS, V.Z. - KOROLKOVA, E.B. - CSACH, Kornel - MIŠKUF, Jozef - DUHAJ, Pavol. Low temperature and strain rate dependence of fracture stress and fracture toughness on thin Fe40Ni40B20 amorphous ribbon. In *Journal of Materials Science*, 1991, vol. 26, no. 24, p. 6699-6705. (1991 - Current Contents). ISSN 0022-2461. Dostupné na: <https://doi.org/10.1007/BF02402663>

Ohlasy:

1. [1.1] LIAO, Wei-Bing - JIANG, Chenchen - XU, Shang - GAO, Libo - ZHANG, Hongti - LI, Peifeng - LIU, Zhiyuan - LU, Yang. Reliability of tensile fracture strength of Co-based metallic glass microwires by Weibull statistics. In MATERIALS RESEARCH EXPRESS. ISSN 2053-1591, 2019, vol. 6, no. 10., Registrované v: WOS

2. [1.1] SHI, Zhiguang - LI, Ran - LI, Xuan - WANG, Chenyang - ZHANG, Tao. Controllable brittleness in soft-magnetic Fe-P-C-B metallic glasses through composition design. In MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING. ISSN 0921-5093, 2019, vol. 766., Registrované v: WOS

ADCA932 OCELÍK, Václav - DIKO, Pavel - CSACH, Kornel - HAJKO, Vladimír Jr. - BENGUS, V.Z. - TABACHNIKOVA, E. D. - KOROLKOVA, E.B. - DUHAJ, Pavol. Low-temperature fracture toughness of some iron, nickel-based metallic glass ribbons. In *Journal of Materials Science*, 1987, vol. 22, no. 10, p. 3732-3736. (1986: 0.924 - IF, Current Contents - CCC). (1987 - Current Contents, WOS, SCOPUS). ISSN 0022-2461. Dostupné na: <https://doi.org/10.1007/BF01161486>

Ohlasy:

1. [1.1] QIAO, Junwei - JIA, Haoling - LIAW, Peter K. Metallic glass matrix composites. In MATERIALS SCIENCE & ENGINEERING R-REPORTS. ISSN 0927-796X, 2016, vol. 100, pp. 1-69., Registrované v: WOS

ADCA933 OCELIK, V. - BENGUS, V.Z. - KOROLKOVA, E.B. - CSACH, K. - MISKUF, J. - DUHAJ, Pavol. Low-temperature and strain rate dependence of fracture-stress and fracture-toughness on thin fe40ni40b20 amorphous ribbon. In *Journal of Materials Science*, 1991, vol. 26, no. 24, p. 6699-6705. (1991 - Current Contents). ISSN 0022-2461. Dostupné na: <https://doi.org/10.1007/BF02402663>

Ohlasy:

1. [1.1] LIAO, Wei-Bing - JIANG, Chenchen - XU, Shang - GAO, Libo - ZHANG, Hongti - LI, Peifeng - LIU, Zhiyuan - LU, Yang. Reliability of tensile

fracture strength of Co-based metallic glass microwires by Weibull statistics. In MATERIALS RESEARCH EXPRESS. ISSN 2053-1591, 2019, vol. 6, no. 10, 106565., Registrované v: WOS

2. [1.1] SHI, Zhiguang - LI, Ran - LI, Xuan - WANG, Chenyang - ZHANG, Tao. Controllable brittleness in soft-magnetic Fe-P-C-B metallic glasses through composition design. In MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING. ISSN 0921-5093, 2019, vol. 766, 138385., Registrované v: WOS

ADCA934 OGANESSION, Y.T. - DMITRIEV, S.N. - KLIMAN, Ján - MASLOV, O.A. - STARODUB, G.Y. - BELOV, A.G. - TRETIKOVA, S.P. RIB production with photofission of uranium. In *Nuclear Physics A*, 2002, vol. 701, 87c-95c. ISSN 0375-9474.

Ohlasy:

1. [1.1] GOTTBURG, A. Target materials for exotic ISOL beams. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS. ISSN 0168-583X, 2016, vol. 376, no., pp. 8-15., Registrované v: WOS

2. [1.1] KHAN, F. A. - BHOWMICK, Debasis - BASU, D. N. - FAROOQ, M. - CHAKRABARTI, Alok. Comparison of yields of neutron-rich nuclei in proton- and photon-induced U-238 fission. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 5, 054605., Registrované v: WOS

3. [1.1] RAABE, Riccardo. Making radioactive ion beams Detecting reaction products. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2016, vol. 131, no. 10, 362., Registrované v: WOS

4. [1.1] VADAS, J. et al. High-rate axial-field ionization chamber for particle identification of radioactive beams. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A. ISSN 0168-9002, 2016, vol. 837, no., pp. 28-33., Registrované v: WOS

ADCA935 OGANESSION, Y.T. - YEREMIN, A.V. - GULBEKIAN, G.G. - BOGOMOLOV, S.L. - CHEPIGIN, V.I. - GIKAL, B.N. - GORSHKOV, V.A. - ITKIS, M.G. - KABACHENKO, A.P. - KUTNER, V.B. - AVRENTEV, A.Y. - MALYSHEV, O.N. - POPEKO, A.G. - ROHAC, J. - SAGAIK, R.N. - HOFMANN, S. - MUNZENBERG, G. - VESELSKÝ, Martin - SARO, S. - IWASSA, N. - MORITA, K. Search for new isotopes of element 112 by irradiation of U-238 with Ca-48. In *European Physical Journal A*, 1999, vol. 5, no. 1, p. 63-68. ISSN 1434-6001. Dostupné na: <https://doi.org/10.1007/s100500050257>

Ohlasy:

1. [1.1] ADAMIAN, G. G. - ANTONENKO, N. V. - BEZBAKH, A. N. - JOLOS, R. V. Effect of Properties of Superheavy Nuclei on Their Production and Decay. In PHYSICS OF PARTICLES AND NUCLEI. ISSN 1063-7796, 2016, vol. 47, no. 3, pp. 387-455., Registrované v: WOS

2. [1.1] ADAMIAN, G. G. - ANTONENKO, N. V. - KALANDAROV, Sh. A. Description of quasifission reactions in the dinuclear system model. In PHYSICS OF PARTICLES AND NUCLEI. ISSN 1063-7796, 2016, vol. 47, no. 1, pp. 1-48., Registrované v: WOS

3. [1.1] ALBERS, H. M. - KHUYAGBAATAR, J. - HINDE, D. J. - CARTER, I. P. - COOK, K. J. - DASGUPTA, M. - DUELLMANN, Ch E. -

- EBERHARDT, K. - JEUNG, D. Y. - KALKAL, S. - KINDLER, B. - LOBANOV, N. R. - LOMMEL, B. - MOKRY, C. - PRASAD, E. - RAFFERTY, D. C. - RUNKE, J. - SEKIZAWA, K. - SENGUPTA, C. - SIMENEL, C. - SIMPSON, E. C. - SMITH, J. F. - THOERLE-POSPIECH, P. - TRAUTMANN, N. - VO-PHUOC, K. - WALSH, J. - WILLIAMS, E. - YAKUSHEV, A. Zeptosecond contact times for element $Z=120$ synthesis. In *PHYSICS LETTERS B*. ISSN 0370-2693, 2020, vol. 808, 135626., Registrované v: WOS
4. [1.1] ALSAIF, Norah A. M. - RADIMAN, Shahidan - AHMED, Saad M. Saleh. Calculations of alpha cluster preformation probability for the three even-even superheavy isotopes with atomic number $Z=108$, 110 and 112. In *INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS*. ISSN 0218-3013, 2017, vol. 26, no. 3, 1750008., Registrované v: WOS
5. [1.1] GAUL, Konstantin - MARQUARDT, Sebastian - ISAEV, Timur - BERGER, Robert. Systematic study of relativistic and chemical enhancements of P, T-odd effects in polar diatomic radicals. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2019, vol. 99, no. 3, 032509., Registrované v: WOS
6. [1.1] HESSBERGER, F. P. - ACKERMANN, D. Some critical remarks on a sequence of events interpreted to possibly originate from a decay chain of an element 120 isotope. In *EUROPEAN PHYSICAL JOURNAL A*. ISSN 1434-6001, 2017, vol. 53, no. 6, 123., Registrované v: WOS
7. [1.1] CHEMEY, Alexander T. - ALBRECHT-SCHMITT, Thomas E. Evolution of the periodic table through the synthesis of new elements. In *RADIOCHIMICA ACTA*. ISSN 0033-8230, 2019, vol. 107, no. 9-11, pp. 771-801., Registrované v: WOS
8. [1.1] SOWMYA, N. - MANJUNATHA, H. C. Investigations on the Synthesis and Decay Properties of Roentgenium. In *BRAZILIAN JOURNAL OF PHYSICS*. ISSN 0103-9733, 2020, vol. 50, no. 3, pp. 317-330., Registrované v: WOS
9. [1.1] SOWMYA, N. - MANJUNATHA, H. C. - DHANANJAYA, N. - NAGARAJA, A. M. Competition between binary fission, ternary fission, cluster radioactivity and alpha decay of $(281)\text{Ds}$. In *JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY*. ISSN 0236-5731, 2020, vol. 323, no. 3, pp. 1347-1351., Registrované v: WOS
10. [1.1] WANG, Meng - AUDI, G. - KONDEV, F. G. - HUANG, W. J. - NAIMI, S. - XU, Xing. The AME2016 atomic mass evaluation (II). Tables, graphs and references. In *CHINESE PHYSICS C*. ISSN 1674-1137, 2017, vol. 41, no. 3, 030003., Registrované v: WOS

ADCA936 OLEJNÍK, Štefan. Do non-gaussian effects decrease tunneling probabilities ? Three-loop instanton density for the double-well potential. In *Physics Letters B*, 1989, vol. 221, no- 3-4, p. 372-376. ISSN 0370-2693. Dostupné na: [https://doi.org/10.1016/0370-2693\(89\)91728-0](https://doi.org/10.1016/0370-2693(89)91728-0)

Ohlasy:

1. [1.1] BEZUGLOV, M. A. - ONISHCHENKO, A. I. Radiative corrections to false vacuum decay in quantum mechanics. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2017, vol. 96, no. 3, 036001., Registrované v: WOS
2. [1.1] BEZUGLOV, M. A. - ONISHCHENKO, A. I. Two-loop

- corrections to false vacuum decay in scalar field theory. In *PHYSICS LETTERS B*. ISSN 0370-2693, 2019, vol. 788, pp. 122-130., Registrované v: WOS
3. [1.1] ESCOBAR-RUIZ, M. A. - SHURYAK, E. - TURBINER, A. V. Three-loop correction to the instanton density. I. The quartic double well potential. In *PHYSICAL REVIEW D*. ISSN 1550-7998, 2015, vol. 92, no. 2, 025046., Registrované v: WOS
4. [1.1] ESCOBAR-RUIZ, M. A. - SHURYAK, E. - TURBINER, A. V. Quantum and thermal fluctuations in quantum mechanics and field theories from a new version of semiclassical theory. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2016, vol. 93, no. 10, 105039., Registrované v: WOS
5. [1.1] GARBRECHT, Bjorn - MILLINGTON, Peter. Fluctuations about the Fubini-Lipatov instanton for false vacuum decay in classically scale invariant models. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2018, vol. 98, no. 1, 016001., Registrované v: WOS

ADCA937 OLIVARES, S. - SEDLÁK, Michal - RAPČAN, Peter - PARIS, M.G.A. - BUŽEK, Vladimír. Optimal unambiguous comparison of two unknown squeezed vacua. In *Physical Review A*, 2011, vol. 83, no. 1, 012313. (2010: 2.861 - IF, Q1 - JCR, 2.400 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.83.012313>

Ohlasy:

1. [1.1] HAYASHI, A. - HASHIMOTO, T. - HORIBE, M. Quantum-state comparison and discrimination. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2018, vol. 97, no. 5, 052323., Registrované v: WOS

ADCA938 OPATRNY, T. - WELSCH, D.G. - BUŽEK, Vladimír. Parametrized discrete phase-space functions. In *Physical Review A*, 1996, vol. 53, no. 6, p. 3822-3835. ISSN 1050-2947.

Ohlasy:

1. [1.1] HASHIMOTO, T. - HAYASHI, A. - HORIBE, M. Minimum-uncertainty states and completeness of non-negative quasiprobability of finite-dimensional quantum systems. In *PHYSICAL REVIEW A*. ISSN 1050-2947, 2019, vol. 99, no. 2, 022126., Registrované v: WOS
2. [1.1] LUIS, Alfredo. Polarization in Quantum Optics. In *PROGRESS IN OPTICS, VOL 61*. ISSN 0079-6638, 2016, vol. 61, no., pp. 283-331., Registrované v: WOS
3. [1.1] POTOCEK, Vaclav - BARNETT, Stephen M. On the exponential form of the displacement operator for different systems. In *PHYSICA SCRIPTA*. ISSN 0031-8949, 2015, vol. 90, no. 6, 065208., Registrované v: WOS
4. [1.1] SARACENO, Marcos - OZORIO DE ALMEIDA, Alfredo M. Translations and reflections on the torus: identities for discrete Wigner functions and transforms. In *JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL*. ISSN 1751-8113, 2019, vol. 52, no. 9, 095301., Registrované v: WOS
5. [1.1] YU, Bing - JING, Naihuan - LI-JOST, Xianqing. Strong unitary uncertainty relations. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2019, vol. 100, no. 2, 022116., Registrované v: WOS
6. [1.1] ZUNKOVIC, Bojan. Continuous phase-space methods on

discrete phase spaces. In EPL. ISSN 0295-5075, 2015, vol. 112, no. 1, 10003.,
Registrované v: WOS

ADCA939 OPATRNY, T. - BUŽEK, Vladimír - BAJER, J. - DROBNÝ, Gabriel.

Propensities in discrete phase spaces-q-function of a state in a finite-dimensional hilbert-space. In *Physical Review A*, 1995, vol. 52, no. 3, p. 2419-2428. ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.52.2419>

Ohlasy:

1. [1.1] BOSE, Soumyakanti. Wehrl-entropy-based quantification of nonclassicality for single-mode quantum optical states. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2019, vol. 52, no. 2, 025303., Registrované v: WOS
2. [1.1] HASHIMOTO, T. - HAYASHI, A. - HORIBE, M. Minimum-uncertainty states and completeness of non-negative quasiprobability of finite-dimensional quantum systems. In PHYSICAL REVIEW A. ISSN 1050-2947, 2019, vol. 99, no. 2, 022126., Registrované v: WOS
3. [1.1] KOCZOR, Balint - ZEIER, Robert - GLASER, Steffen J. Continuous phase-space representations for finite-dimensional quantum states and their tomography. In PHYSICAL REVIEW A. ISSN 2469-9926, 2020, vol. 101, no. 2, 022318., Registrované v: WOS
4. [1.1] LUIS, Alfredo. Polarization in Quantum Optics. In PROGRESS IN OPTICS, VOL 61. ISSN 0079-6638, 2016, vol. 61, no., pp. 283-331., Registrované v: WOS
5. [1.1] MUNOZ, C. - KLIMOV, A. B. Discrete phase-space mappings, tomographic condition and permutation invariance. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2017, vol. 50, no. 14, pp. 1-17., Registrované v: WOS
6. [1.1] POTOCEK, Vaclav - BARNETT, Stephen M. On the exponential form of the displacement operator for different systems. In PHYSICA SCRIPTA. ISSN 0031-8949, 2015, vol. 90, no. 6, 065208., Registrované v: WOS
7. [1.1] YU, Bing - JING, Naihuan - LI-JOST, Xianqing. Strong unitary uncertainty relations. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 2, 022116., Registrované v: WOS

ADCA940 OROVČÍK, Lubomír - NOSKO, Martin - ŠVEC, Peter - NAGY, Štefan -

ČAVOJSKÝ, Miroslav - SIMANČÍK, František - JERZ, Jaroslav. Effect of the TiH2 pre-treatment on the energy absorption ability of 6061 aluminium alloy foam. In *Materials Letters*, 2015, vol. 148, p. 82-85. (2014: 2.489 - IF, Q1 - JCR, 0.877 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents). ISSN 0167-577X. Dostupné na: <https://doi.org/10.1016/j.matlet.2015.02.062>

Ohlasy:

1. [1.1] AN, Y. K. - YANG, S. Y. - ZHAO, E. T. - ZHOU, H. A. Formation mechanism and three-point bending behaviour of directly fabricated aluminium foam plates. In MATERIALS SCIENCE AND TECHNOLOGY. ISSN 0267-0836, 2017, vol. 33, no. 4, pp. 421-429., Registrované v: WOS
2. [1.1] FENG, Xiangru - ZHANG, Zhuoqing - CUI, Xiufang - JIN, Guo - ZHENG, Wei - LIU, Hongguang. Additive manufactured closed-cell aluminum alloy foams via laser melting deposition process. In MATERIALS LETTERS. ISSN 0167-577X, 2018, vol. 233, no., pp. 126-129., Registrované v: WOS

3. [1.1] GONG, Fei - CHENG, Liang - YANG, Nailin - GONG, Yuehan - NI, Yanwen - BAI, Shang - WANG, Xianwen - CHEN, Muchao - CHEN, Qian - LIU, Zhuang. Preparation of TiH_{1.924} nanodots by liquid-phase exfoliation for enhanced sonodynamic cancer therapy. In NATURE COMMUNICATIONS. ISSN 2041-1723, 2020, vol. 11, no. 1, 3712., Registrované v: WOS
4. [1.1] LI, Xun - LIU, Ying - YE, Jinwen - AN, Xuguang - RAN, Huaying. Multifunctional foaming agent to prepare aluminum foam with enhanced mechanical properties. In MATERIALS RESEARCH EXPRESS. ISSN 2053-1591, 2018, vol. 5, no. 3, pp., Registrované v: WOS
5. [1.1] MA, Mingwang - WANG, Lei - WANG, Yuan - XIANG, Wei - LYU, Ping - TANG, Binghua - TAN, Xiaohua. Effect of hydrogen content on hydrogen desorption kinetics of titanium hydride. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2017, vol. 709, no., pp. 445-452., Registrované v: WOS
6. [1.1] MA, Mingwang - WANG, Lei - WANG, Yuan - XIANG, Wei - TANG, Binghua - LYU, Ping - TAN, Xiaohua. Oxidation behaviour of zirconium hydride and its influence on the thermal desorption kinetics. In CORROSION SCIENCE. ISSN 0010-938X, 2018, vol. 134, no., pp. 199-210., Registrované v: WOS
7. [1.1] NIKNEJAD, Abbas - MORADI, Alireza - BEHESHTI, Niloofer. Indentation experiments on novel sandwich composite tubes. In MATERIALS LETTERS. ISSN 0167-577X, 2016, vol. 179, no., pp. 142-145., Registrované v: WOS
8. [1.1] RAMIREZ, Ana Maria Medina - VINTILA, Ramona Roxana - DREW, Robin A. L. Morphology of Aluminum Alloy Foams Produced with Dolomite via Partial Sintering of Precursors. In MATERIALS. ISSN 1996-1944, 2019, vol. 12, no. 10, 1691., Registrované v: WOS
9. [1.1] ROMERO-ROMERO, M. - DOMINGUEZ-RIOS, C. - TORRES-SANCHEZ, R. - AGUILAR-ELGUEZABAL, A. Electroless Ni-B coating onto TiH₂ powder: An approach for a simplified surface preparation. In SURFACE & COATINGS TECHNOLOGY. ISSN 0257-8972, 2017, vol. 315, no., pp. 181-187., Registrované v: WOS
10. [1.1] ROMERO-ROMERO, M.- DOMINGUEZ-RIOS, C. - TORRES-SANCHEZ, R. - et al. Core/multi-shell particles based on TiH₂, a high-performance thermally activated foaming agent. In MATERIALS CHEMISTRY AND PHYSICS, 2020, vol. 243, 122591., Registrované v: WOS
11. [1.1] ZHANG, Yeguang - WANG, Chunming - LIU, Yang - LIU, Shaopeng - XIAO, Sufen - CHEN, Yungui. Surface characterizations of TiH₂ powders before and after dehydrogenation. In APPLIED SURFACE SCIENCE. ISSN 0169-4332, 2017, vol. 410, no., pp. 177-185., Registrované v: WOS
12. [1.2] AN, Yu Kun - YANG, Si Yi - ZHAO, Er Tuan - HUANG, Xu. Diffusion bonding in fabrication TA2 sheets enhanced aluminum foam sandwich. In Materials Science Forum. ISSN 02555476, 2017-01-01, 898 MSF, pp. 950-956., Registrované v: SCOPUS
13. [1.2] ROBERT, M. H. - SILVA, R. R. Design of micro porous al foams by high energy milling. In Archives of Materials Science and Engineering. ISSN 18972764, 2015-01-01, 71, 1, pp. 5-15., Registrované v: SCOPUS

ADCA941 OTSUKA, Tomohiro** - NAKAJIMA, Takashi - DELBECQ, Matthieu R. - STAÑO, Peter - AMAHA, Shinichi - YONEDA, Jun - TAKEDA, Kenta -

ALLISON, Giles - LI, Sen - NOIRI, Akito - ITO, Takumi - LOSS, Daniel - LUDWIG, Arne - WIECK, Andreas D. - TARUCHA, Seigo**. Difference in charge and spin dynamics in a quantum dot-lead coupled system. In *Physical Review B*, 2019, vol. 99, no. 8, 085402. (2018: 3.736 - IF, Q1 - JCR, 1.502 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.99.085402>

Ohlasy:

1. [1.1] CHEN, Xing-Han - FU, Qing-Shan - LI, Cang-Long - LI, Yan-Hong - CHAKRABARTI, Chiranjib - QIU, Yang - YUAN, Song-Liu. Colossal dielectric response and relaxation properties caused by Mg doping in Co₂Y-Type hexaferrites. In *CERAMICS INTERNATIONAL*. ISSN 0272-8842, 2020, vol. 46, no. 2, pp. 1551-1559., Registrované v: WOS

ADCA942 OTSUKA, T.** - NAKAJIMA, T. - DELBECQ, M.R. - AMAHA, S. - YONEDA, J. - TAKEDA, K. - ALLISON, G. - STANO, Peter - NOIRI, A. - ITO, T. - LOSS, D. - LUDWIG, A. - WIECK, A.D. - TARUCHA, S.**. Higher-order spin and charge dynamics in a quantum dot-lead hybrid system. In *Scientific Reports*, 2017, vol. 7, no. 1, art. no. 12201. (2016: 4.259 - IF, Q1 - JCR, 1.692 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 2045-2322. Dostupné na: <https://doi.org/10.1038/s41598-017-12217-6>

Ohlasy:

1. [1.1] SEOANE SOUTO, R. - AVRILLER, R. - LEVY YEYATI, A. - MARTIN-RODERO, A. Transient dynamics in interacting nanojunctions within self-consistent perturbation theory. In *NEW JOURNAL OF PHYSICS*. ISSN 1367-2630, 2018, vol. 20, 083039., Registrované v: WOS
2. [1.1] TENBERG, Stefanie B. - ASAAD, Serwan - MADZIK, Mateusz T. - JOHNSON, Mark A. - JOECKER, Benjamin - LAUCHT, Arne - HUDSON, Fay E. - ITOH, Kohei M. - JAKOB, A. Malwin - JOHNSON, Brett C. - JAMIESON, David N. - MCCALLUM, Jeffrey C. - DZURAK, Andrew S. - JOYNT, Robert - MORELLO, Andrea. Electron spin relaxation of single phosphorus donors in metal-oxide-semiconductor nanoscale devices. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2019, vol. 99, no. 20, 205306., Registrované v: WOS

ADCA943 OTUKA, N. - DUPONT, E. - SEMKOVA, V. - PRITYCHENKO, B. - BLOKHIN, A.I. - AIKAWA, M. - BABYKINA, S. - BOSSANT, M. - CHEN, G. - DUNAEVA, S. - FORREST, R.A. - FUKAHORI, T. - FURUTACHI, N. - GANESAN, S. - GE, Z. - GRITZAY, O.O. - HERMAN, M. - HLAVÁČ, Stanislav - KATO, K. - LALREMURATA, B. - LEE, Y.O. - MAKINAGA, A. - MATSUMOTO, K. - MIKHAYLYUKOVA, M. - PIKULINA, G. - PRONYAEV, V.G. - SAXENA, A. - SCHWERER, O. - SIMAKOV, S.P. - SOPPERA, N. - SUZUKI, R. - TAKÁCS, S. - TAO, X. - TAOVA, S. - TÁRKÁNYI, F. - VARLAMOV, V.V. - WANG, J. - YANG, S.C. - ZERKIN, V. - ZHUANG, Y. Towards a more complete and accurate experimental nuclear reaction data library (EXFOR): International collaboration between nuclear reaction data centres (NRDC). In *Nuclear Data Sheets*, 2014, vol. 120, p. 272-276. (2013: 3.353 - IF, Q1 - JCR, 1.761 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents). ISSN 0090-3752. Dostupné na: <https://doi.org/10.1016/j.nds.2014.07.065>

Ohlasy:

1. [1.1] ALCALA, G. A. - LIENDO, J. A. Using a quadrupole deformed

generalized Woods-Saxon plus spin-orbit potential to describe the polarized interaction $(\text{Li}) \rightarrow \text{C-12}$ at 34 MeV. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E. ISSN 0218-3013, 2018, vol. 27, no. 10, 1850081., Registrované v: WOS

2. [1.1] ALLPORT, P. - BACA, M. - BRIGLIN, D. - et al. Recent results and experience with the Birmingham MC40 irradiation facility. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, 2017, vol. 12, C03075., Registrované v: WOS

3. [1.1] ALSHUDIFAT, Mohammad F. - SERHAN, M. - ABUSINI, M. Elastic scattering of nucleon by the lightest mirror nuclei H-3 and He-3 using the optical model potential. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E. ISSN 0218-3013, 2020, vol. 29, no. 9, 2050078., Registrované v: WOS

4. [1.1] AL-RAWASHDEH, S. M. - JAGHOUB, M. I. An optical potential for the statically deformed actinide nuclei derived from a global spherical potential. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2018, vol. 54, no. 4, 62., Registrované v: WOS

5. [1.1] AN, F. P. - BALANTEKIN, A. B. - BAND, H. R. - et al. Measurement of electron antineutrino oscillation based on 1230 days of operation of the Daya Bay experiment, In PHYSICAL REVIEW D, 2017, vol. 95, no. 7, 072006., Registrované v: WOS

6. [1.1] AQEL, T. - JAGHOUB, M. I. A nonlocal optical model for neutron scattering from light 1 p-shell nuclei. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2019, vol. 989, pp. 145-167., Registrované v: WOS

7. [1.1] AQEL, T. - JAGHOUB, M. I. A nonlocal optical potential with a Gaussian nonlocality for proton elastic scattering off light 1p-shell nuclei. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2020, vol. 56, no. 8, 216., Registrované v: WOS

8. [1.1] AVILA, M. L. - REHM, K. E. - ALMARAZ-CALDERON, S. - AYANGEAKAA, A. D. - DICKERSON, C. - HOFFMAN, C. R. - JIANG, C. L. - KAY, B. P. - LAI, J. - NUSAIR, O. - PARDO, R. C. - SANTIAGO-GONZALEZ, D. - TALWAR, R. - UGALDE, C. Experimental study of the astrophysically important Na-23(alpha, p)Mg-26 and Na-23(alpha, n)Al-26 reactions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 6, 065804., Registrované v: WOS

9. [1.1] AVILA, M. L. - REHM, K. E. - ALMARAZ-CALDERON, S. - et al. Study of (alpha, p) and (alpha, n) reactions with a Multi-Sampling Ionization Chamber. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, 2017, vol. 859, pp. 63-68., Registrované v: WOS

10. [1.1] BADWAR, Sylvia - GHOSH, Reetuparna - YERRAGUNTALA, Santhi Sheela - et al. Measurements and uncertainty propagation for the Ni-nat(p, x)Cu-61 reaction cross section up to the proton energies of 20 MeV. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2018, vol. 977, no., pp. 112-128., Registrované v: WOS

11. [1.1] BADWAR, S. - GHOSH, R. - LAWRINIANG, B. M. - SHEELA, Y. S. - NAIK, H. - JYRWA, B. M. - NAIK, Y. P. - SURYANARAYANA, S. V. - GANESAN, S. Measurement of Zr-96(n, gamma)Zr-97 reaction cross section at the neutron energies of 0.61 and 1.05

- MeV and covariance analysis for the uncertainty. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2018, vol. 54, no. 10., Registrované v: WOS
12. [1.1] BAECKER, Claus Maximilian - BAEUMER, Christian - GERHARDT, Marcel - KROENINGER, Kevin - NITSCH, Christian - SIREGAR, Hilda Milani - TIMMERMANN, Beate - VERBEEK, Nico - WEINGARTEN, Jens - WULFF, Joerg - YAZGAN, Azad. Measurement of nuclear activation cross sections of protons on natural carbon for proton beam energies between 100 and 220 MeV. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS. ISSN 0168-583X, 2019, vol. 454, pp. 50-55., Registrované v: WOS
13. [1.1] BALL, Justin. Maximizing specific energy by breeding deuterium. In NUCLEAR FUSION. ISSN 0029-5515, 2019, vol. 59, no. 10, 106043., Registrované v: WOS
14. [1.1] BECKER, B. - KOPECKY, S. - SCHILLEBEECKX, P. On the Methodology to Calculate the Covariance of Estimated Resonance Parameters. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2015, vol. 123, pp. 171-177., Registrované v: WOS
15. [1.1] BERTSCH, G. F. - BROWN, David - DAVIS, E. D. Fluctuations in the U-235(n, f) cross section. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 1, 014611., Registrované v: WOS
16. [1.1] BEYER, Roland - DIETZ, Mirco - BEMMERER, Daniel - et al. The gamma-ray angular distribution in fast neutron inelastic scattering from iron. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2018, vol. 54, no. 4, 58., Registrované v: WOS
17. [1.1] BONCIOLI, Denise - FEDYNITCH, Anatoli - WINTER, Walter. Nuclear Physics Meets the Sources of the Ultra-High Energy Cosmic Rays. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2017, vol. 7, 4882., Registrované v: WOS
18. [1.1] BONCIOLI, Denise. Interactions of Cosmic Rays around the Universe Models for UHECR data interpretation. In XLVI INTERNATIONAL SYMPOSIUM ON MULTIPARTICLE DYNAMICS (ISMD 2016). ISSN 2100-014X, 2017, vol. 141, UNSP 07001., Registrované v: WOS
19. [1.1] BONGRAND, A. - BUSATO, E. - FORCE, P. - MARTIN, F. - MONTAROU, G. Use of short-lived positron emitters for in-beam and real-time beta(+) range monitoring in proton therapy. In PHYSICA MEDICA-EUROPEAN JOURNAL OF MEDICAL PHYSICS. ISSN 1120-1797, 2020, vol. 69, pp. 248-255., Registrované v: WOS
20. [1.1] BOROMIZA, M. - BORCEA, C. - DESSAGNE, P. - GHITA, D. - GLODARIU, T. - HENNING, G. - KERVENO, M. - MARGINEAN, N. - MIHAI, C. - MIHAI, R. - NEGRET, A. - NITA, C. - NYMAN, M. - OLACEL, A. - OPREA, A. - PLOMPEN, A. J. M. - SOTTY, C. - SULIMAN, G. - SUVAILA, R. - STAN, L. - TURTURICA, A. - TURTURICA, G. Nucleon inelastic scattering cross sections on O-16 and Si-28. In PHYSICAL REVIEW C. ISSN 2469-9985, 2020, vol. 101, no. 2, 024604., Registrované v: WOS
21. [1.1] BROWN, David. Preparing for ENDF/B-VIII. In ND 2016: INTERNATIONAL CONFERENCE ON NUCLEAR DATA FOR SCIENCE AND TECHNOLOGY. ISSN 2100-014X, 2017, vol. 146, 02041., Registrované v: WOS
22. [1.1] BROWN, D. A. - CHADWICK, M. B. - CAPOTE, R. - et al.

ENDF/B-VIII.0: The 8th Major Release of the Nuclear Reaction Data Library with CIELO-project Cross Sections, New Standards and Thermal Scattering Data. In NUCLEAR DATA SHEETS, 2018, vol. 148, pp. 1-142., Registrované v: WOS

23. [1.1] BROWN, Jesse M. - BLOCK, R. C. - YOUMANS, A. - CHOUN, H. - NEY, A. - BLAIN, E. - BARRY, D. P. - RAPP, M. J. - DANON, Y. Validation of Unresolved Neutron Resonance Parameters Using a Thick-Sample Transmission Measurement. In NUCLEAR SCIENCE AND ENGINEERING. ISSN 0029-5639, 2020, vol. 194, no. 3, pp. 221-231., Registrované v: WOS

24. [1.1] BRUNO, C. G. - ALIOTTA, M. - DESCOUVEMONT, R. - BEST, A. - DAVINSON, T. - BEMMERER, D. - BOELTZIG, A. - BROGGINI, C. - CACIOLLI, A. - CAVANNA, F. - CHILLERY, T. - CIANI, G. F. - CORVISIERO, R. - DEPALO, R. - DI LEVA, A. - ELEKES, Z. - FERRARO, E. - FORMICOLA, A. - FULOP, Zs - GERVINO, G. - GUGLIELMETTI, A. - GUSTAVINON, C. - GYURKY, Gy - IMBRIANI, G. - JUNKER, M. - LUGARO, M. - MARIGO, R. - MENEGAZZO, R. - MOSSA, V - PANTALEO, F. R. - PIATTI, D. - PRATI, R. - STOECKEL, K. - STRANIERO, O. - STRIEDER, F. - SZUECS, T. - TAKACS, M. P. - TREZZI, D. Improved astrophysical rate for the O-18(p,alpha)N-15 reaction by underground measurements. In PHYSICS LETTERS B. ISSN 0370-2693, 2019, vol. 790, pp. 237-242., Registrované v: WOS

25. [1.1] CAI, Xiao-Xiao - KLINKBY, Esben. Neutron total cross section calculation within the framework of quasi-harmonic approximation. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2017, vol. 19, 103027., Registrované v: WOS

26. [1.1] CAI, X-X - KITTELMANN, T. NCrystal: A library for thermal neutron transport. In COMPUTER PHYSICS COMMUNICATIONS. ISSN 0010-4655, 2020, vol. 246, 106851., Registrované v: WOS

27. [1.1] CANTO, L. F. - GUIMARAES, V. - LUBIAN, J. - HUSSEIN, M. S. The total reaction cross section of heavy-ion reactions induced by stable and unstable exotic beams: the low-energy regime. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2020, vol. 56, no. 11, 281., Registrované v: WOS

28. [1.1] CAPOTE, Roberto - TRKOV, Andrej. Critical review of CIELO evaluations of n+ U-235, U-238 using differential experiments. In EPJ NUCLEAR SCIENCES & TECHNOLOGIES. ISSN 2491-9292, 2018, vol. 4, 27., Registrované v: WOS

29. [1.1] CAPOTE, R. - BADIKOV, S. - CARLSON, A. D. - DURAN, I - GUNSING, F. - NEUDECKER, D. - PRONYAEV, V. G. - SCHILLEBEECKX, P. - SCHNABEL, G. - SMITH, D. L. - WALLNER, A. Unrecognized Sources of Uncertainties (USU) in Experimental Nuclear Data. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2020, vol. 163, pp. 191-227., Registrované v: WOS

30. [1.1] CAPOTE, R. - TRKOV, A. - SIN, M. - et al. IAEA CIELO Evaluation of Neutron-induced Reactions on U-235 and U-238 Targets. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2018, vol. 148, no., pp. 254-292., Registrované v: WOS

31. [1.1] CASTIGLIONI, W. - FOREMAN, W. - LITTLEJOHN, B. R. - MALAKER, M. - LEPETIC, I - MASTBAUM, A. Benefits of MeV-scale

- reconstruction capabilities in large liquid argon time projection chambers. In PHYSICAL REVIEW D. ISSN 2470-0010, 2020, vol. 102, no. 9, 092010., Registrované v: WOS
32. [1.1] COLONNA, N. - TSINGANIS, A. - VLASTOU, R. - PATRONIS, N. - DIAKAKI, M. - AMADUCCI, S. - BARBAGALLO, M. - BENNETT, S. - BERTHOUMIEUX, E. - BACAK, M. - COSENTINO, G. - CRISTALLO, S. - FINOCCHIARO, P. - HEYSE, J. - LEWIS, D. - MANNA, A. - MASSIMI, C. - MENDOZA, E. - MIREA, M. - MOENS, A. - NOLTE, R. - PIROVANO, E. - SABATE-GILARTE, M. - SIBBENS, G. - SMITH, A. G. - SOSNIN, N. - STAMATOPOULOS, A. - TARRIO, D. - TASSAN-GOT, L. - VANLEEuw, D. - VENTURA, A. - VESCOVI, D. - WRIGHT, T. - ZUGEC, P. The fission experimental programme at the CERN n_TOF facility: status and perspectives. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2020, vol. 56, no. 2., Registrované v: WOS
33. [1.1] CVETINOVIC, A. - SPITALERI, C. - SPARTA, R. - RAPISARDA, G. G. - PUGLIA, S. M. R. - LA COGNATA, M. - CHERUBINI, S. - GUARDO, G. L. - GULINO, M. - LAMIA, L. - PIZZONE, R. G. - ROMANO, S. - SERGI, M. L. - TUMINO, A. Trojan horse measurement of the B-10(p,α⁰)Be-7 cross section in the energy range from 3 keV to 2.2 MeV. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 6, 065801., Registrované v: WOS
34. [1.1] DANAGULYAN, A. S. - HOVHANNISYAN, G. H. - BAKHSHIYAN, T. M. - KEROPYAN, I. A. Analysis of isomeric ratios for medium-mass nuclei. In PHYSICS OF ATOMIC NUCLEI. ISSN 1063-7788, 2016, vol. 79, no. 5, pp. 679-685., Registrované v: WOS
35. [1.1] DANIELEWICZ, P. - SINGH, P. - LEE, J. Symmetry energy III: Isovector skins, In NUCLEAR PHYSICS A, 2017, vol. 958, pp. 147-186., Registrované v: WOS
36. [1.1] DANON, Yaron. Innovative experiments for reduction of nuclear data uncertainty. In EPJ NUCLEAR SCIENCES & TECHNOLOGIES. ISSN 2491-9292, 2018, vol. 4, 22., Registrované v: WOS
37. [1.1] DAVID, J.C. Spallation reactions: A successful interplay between modeling and applications. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2015, vol. 51, no. 6, article 68., Registrované v: WOS
38. [1.1] DAVID, J.C. - LEYA, I. Spallation, cosmic rays, meteorites, and planetology. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2019, vol. 109, UNSP 103711., Registrované v: WOS
39. [1.1] DE SAINT JEAN, C. - ARCHIER, P. - PRIVAS, E. - NOGUERE, G. - HABERT, B. - TAMAGNO, P. Evaluation of Neutron-induced Cross Sections and their Related Covariances with Physical Constraints. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2018, vol. 148, SI, 383-419., Registrované v: WOS
40. [1.1] DE SOUZA, Rafael S. - KIAT, Tan Hong - COC, Alain - ILIADIS, Christian. Hierarchical Bayesian Thermonuclear Rate for the Be-7(n,p)Li-7 Big Bang Nucleosynthesis Reaction. In ASTROPHYSICAL JOURNAL. ISSN 0004-637X, 2020, vol. 894, no. 2, 134., Registrované v: WOS
41. [1.1] DHAKAL, Sushil - BRUNE, Carl R. - MASSEY, Thomas N. - GRIMES, Steven M. - VOINOV, Alexander V. - AKHTAR, Shamim - RAMIREZ, Anthony P. D. - RICHARD, Andrea L. Investigation of Neutron Cross Section for Iron in the ENDF Library with Pulsed Sphere Measurements.

- In NUCLEAR SCIENCE AND ENGINEERING. ISSN 0029-5639, 2019, vol. 193, no. 9, pp. 1033-1043., Registrované v: WOS
42. [1.1] DIAKAKI, M. - KALAMARA, A. - KOKKORIS, M. - MARANGOULI, G. - TSINGANIS, A. - PANAGIOTOPOULOS, A. - VLASTOU, R. - BERTHOUMIEUX, E. - LAGOYANNIS, A. - AXIOTIS, M. - PATRONIS, N. MEASUREMENT OF THE U-236 (n, f) CROSS SECTION WITH THE MICROMEGAS DETECTOR. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2016, vol. 47, no. 3, pp. 789-795., Registrované v: WOS
43. [1.1] DORE, D. - LEDOUX, X. - NOLTE, R. - et al. Np-237 absolute delayed neutron yield measurements. In ND 2016: INTERNATIONAL CONFERENCE ON NUCLEAR DATA FOR SCIENCE AND TECHNOLOGY. ISSN 2100-014X, 2017, vol. 146, 04029., Registrované v: WOS
44. [1.1] DROSG, M. - HAOUAT, G. - DRAKE, D. M. Double-Differential Angle-Dependent Three-Body Neutron Production Cross Sections of the Reaction H-2(t, n) X plus Y at Triton Energies Between 5.97 and 16.41 MeV. In NUCLEAR SCIENCE AND ENGINEERING. ISSN 0029-5639, 2016, vol. 183, no. 2, pp. 298-303., Registrované v: WOS
45. [1.1] DROSG, M. - STEURER, M. M. - JERICH, E. - DRAKE, D. M. Angle-Dependent Double-Differential Neutron Emission Cross Sections of H-3(t, n) Between 5.98 and 19.14 MeV and Evidence of H-4 as Intermediate Reaction Product. In NUCLEAR SCIENCE AND ENGINEERING. ISSN 0029-5639, 2016, vol. 184, no. 1, pp. 114-124., Registrované v: WOS
46. [1.1] DUMA, D. C. - PARLATI, S. - PIA, M. G. - RONCHIERI, E. - SARACCO, P. Electromagnetic data libraries: recent evolutions and new perspectives. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, 2020, vol. 15, no. 3, C03032., Registrované v: WOS
47. [1.1] EVOLI, Carmelo - GAGGERO, Daniele - VITTINO, Andrea - DI MAURO, Mattia - GRASSO, Dario - MAZZIOTTA, Mario Nicola. Cosmic-ray propagation with DRAGON2: II. Nuclear interactions with the interstellar gas. In JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS. ISSN 1475-7516, 2018, no. 7, 006., Registrované v: WOS
48. [1.1] FENG, S. - YANG, Y. W. - LU, X. X. - LIU, R. - JIANG, L. - ZHU, T. H. - WANG, M. - QIN, J. G. An integral experiment on thorium oxide/depleted uranium cylinders with D-T neutrons for Th-232(n, 2n) reaction. In ANNALS OF NUCLEAR ENERGY. ISSN 0306-4549, 2015, vol. 81, pp. 281-286., Registrované v: WOS
49. [1.1] FLEMING, M. - CHADWICK, M. - BROWN, D. - CAPOTE, R. - GE, Z. - HERMAN, M. - IGNATYUK, A. - IVANOVA, T. - IWAMOTO, O. - KONING, A. - PLOMPEN, A. - TRKOV, A. Results of the Collaborative International Evaluated Library Organisation (CIELO) Project. In ND 2019: INTERNATIONAL CONFERENCE ON NUCLEAR DATA FOR SCIENCE AND TECHNOLOGY. ISSN 2100-014X, 2020, vol. 239, 15003., Registrované v: WOS
50. [1.1] FOTEINOU, V. - HARISSOPOULOS, S. - AXIOTIS, M. - LAGOYANNIS, A. - PROVATAS, G. - SPYROU, A. - PERDIKAKIS, G. - ZARKADAS, Ch. - DEMETRIOU, P. Cross section measurements of proton capture reactions on Se isotopes relevant to the astrophysical p process. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 3, 035806., Registrované v: WOS
51. [1.1] GEIB, Tanja - MERLE, Alexander - ZUBER, Kai. $\mu(-)-e(+)$

- conversion in upcoming LFV experiments. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 764, pp. 157-162., Registrované v: WOS
52. [1.1] GENOLINI, Yoann - MAURIN, David - MOSKALENKO, Igor - UNGER, Michael. Current status and desired precision of the isotopic production cross sections relevant to astrophysics of cosmic rays: Li, Be, B, C, and N. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 3, 034611., Registrované v: WOS
53. [1.1] GOPALAKRISHNA, A. - KIM, G. N. - NAIK, H. - KIM, K. - NAYAK, B. K. - ZAMAN, Muhammad. Measurement of Mo-99 production cross-section from the Mo-100(n,2n) reaction with quasi monoenergetic neutron based on the Be-9(p,n) reaction. In JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY. ISSN 0236-5731, 2018, vol. 316, no. 2, pp. 561-569., Registrované v: WOS
54. [1.1] GORELOV, D. - PENTTILA, H. - AL-ADILI, A. - ERONEN, T. - HAKALA, J. - JOKINEN, A. - KANKAINEN, A. - KOLHINEN, V. S. - KOPONEN, J. - LANTZ, M. - MATTERA, A. - MOORE, I. D. - POHJALAINEN, I. - POMP, S. - RAKOPOULOS, V. - REINIKAINEN, J. - RINTA-ANTILA, S. - SIMUTKIN, V. - SOLDERS, A. - VOSS, A. - AYSTO, J. Developments for neutron-induced fission at IGISOL-4. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS. ISSN 0168-583X, 2016, vol. 376, no., pp. 46-51., Registrované v: WOS
55. [1.1] GUNSING, F. Resonances in neutron-induced reactions. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2018, vol. 133, no. 10, 440., Registrované v: WOS
56. [1.1] HAIGHT, R. C. - WU, C. Y. - LEE, H. Y. - TADDEUCCI, T. N. - PERDUE, B. A. - O&APOS;DONNELL, J. M. - FOTIADES, N. - DEVLIN, M. - ULLMANN, J. L. - BREDEWEG, T. A. - JANDEL, M. - NELSON, R. O. - WENDER, S. A. - NEUDECKER, D. - RISING, M. E. - MOSBY, S. - SJUE, S. - WHITE, M. C. - BUCHER, B. - HENDERSON, R. The LANL/LLNL Prompt Fission Neutron Spectrum Program at LANSCE and Approach to Uncertainties. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2015, vol. 123, pp. 130-134., Registrované v: WOS
57. [1.1] HAIN, K. - STEIER, P. - FROEHLICH, M. B. - GOLSER, R. - HOU, X. - LACHNER, J. - NOMURA, T. - QIAO, J. - QUINTO, F. - SAKAGUCHI, A. U-233/U-236 signature allows to distinguish environmental emissions of civil nuclear industry from weapons fallout. In NATURE COMMUNICATIONS. ISSN 2041-1723, 2020, vol. 11, no. 1, 1275., Registrované v: WOS
58. [1.1] HELGESSON, P. - SJOSTRAND, H. - KONING, A. J. - ROCHMAN, D. - ALHASSAN, E. - POMP, S. Incorporating Experimental Information in the Total Monte Carlo Methodology Using File Weights. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2015, vol. 123, pp. 214-219., Registrované v: WOS
59. [1.1] HELGESSON, P. - SJOSTRAND, H. - ROCHMAN, D. Uncertainty-driven nuclear data evaluation including thermal (n,alpha) applied to Ni-59. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2017, vol. 145, pp. 1-24., Registrované v: WOS
60. [1.1] HELGESSON, P. - SJOSTRAND, H. Treating model defects by fitting smoothly varying model parameters: Energy dependence in nuclear data

- evaluation. In ANNALS OF NUCLEAR ENERGY. ISSN 0306-4549, 2018, vol. 120, pp. 35-47., Registrované v: WOS
61. [1.1] HENSLE, D. - BARKER, J. T. - BARRETT, J. S. - et. al. Neutron-induced fission fragment angular distributions, anisotropy, and linear momentum transfer measured with the NIFFTE fission time projection chamber. In PHYSICAL REVIEW C. ISSN 0556-2813, 2020, vol. 102, no. 1, 014605., Registrované v: WOS
62. [1.1] HERMANNE, A. - IGNATYUK, A. V. - CAPOTE, R. - CARLSON, B. V. - ENGLE, J. W. - KELLETT, M. A. - KIBEDI, T. - KIM, G. - KONDEV, F. G. - HUSSAIN, M. - LEBEDA, O. - LUCA, A. - NAGAI, Y. - NAIK, H. - NICHOLS, A. L. - NORTIER, F. M. - SURYANARAYANA, S. V. - TAKACS, S. - TARKANYI, F. T. - VERPELLI, M. Reference Cross Sections for Charged-particle Monitor Reactions. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2018, vol. 148, no., pp. 338-382., Registrované v: WOS
63. [1.1] HIGGINSON, Drew Pitney - LINK, Anthony - SCHMIDT, Andrea. A pairwise nuclear fusion algorithm for weighted particle-in-cell plasma simulations. In JOURNAL OF COMPUTATIONAL PHYSICS. ISSN 0021-9991, 2019, vol. 388, pp. 439-453., Registrované v: WOS
64. [1.1] HIRDT, J. A. - BROWN, D. A. Identifying Understudied Nuclear Reactions by Text-mining the EXFOR Experimental Nuclear Reaction Library. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2016, vol. 131, no., pp. 377-399., Registrované v: WOS
65. [1.1] HLONDO, L. R. - LALREMRUATA, B. Entrance channel effects on the alpha decay probabilities of neutron and proton induced reactions for target mass $A=55$. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2020, vol. 1000, 121844., Registrované v: WOS
66. [1.1] HOEHR, C. - LINDSAY, C. - BEAUDRY, J. - PENNER, J. - STRGAR, V - LEE, R. - DUZENLI, C. Characterization of the exradin W1 plastic scintillation detector for small field applications in proton therapy. In PHYSICS IN MEDICINE AND BIOLOGY. ISSN 0031-9155, 2018, vol. 63, no. 9, 095016., Registrované v: WOS
67. [1.1] HUPIN, Guillaume - QUAGLIONI, Sofia - NAVRATIL, Petr. Ab initio calculations of reactions of light nuclei. In ND 2016: INTERNATIONAL CONFERENCE ON NUCLEAR DATA FOR SCIENCE AND TECHNOLOGY. ISSN 2100-014X, 2017, vol. 146, 12022., Registrované v: WOS
68. [1.1] HUPIN, Guillaume - QUAGLIONI, Sofia - NAVRATIL, Petr. Ab initio predictions for polarized deuterium-tritium thermonuclear fusion. In NATURE COMMUNICATIONS. ISSN 2041-1723, 2019, vol. 10, 351., Registrované v: WOS
69. [1.1] HURST, A. M. - SWEET, A. - GOLDBLUM, B. L. - FIRESTONE, R. B. - BASUNIA, M. S. - BERNSTEIN, L. A. - REVAY, Zs - SZENTMIKLOSI, L. - BELGYA, T. - ESCHER, J. E. - HARSANYI, I - KRTICKA, M. - SLEAFORD, B. W. - VUJIC, J. Radiative-capture cross sections for the La-139(n, gamma) reaction using thermal neutrons and structural properties of La-140. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 2, 024310., Registrované v: WOS
70. [1.1] HUTTON, T. - SUBLET, J. C. - MORGAN, L. - LEADBEATER, T. W. Nuclear data for fusion: Validation of typical pre-processing methods for radiation transport calculations. In FUSION

ENGINEERING AND DESIGN. ISSN 0920-3796, 2015, vol. 100, pp. 81-86.,
Registrované v: WOS

71. [1.1] HUTTON, T. - SUBLET, J-Ch. - MORGAN, L. -
LEADBEATER, T. W. Optimising differential data formats for Monte-Carlo
radiation transport in the fusion regime. In ANNALS OF NUCLEAR ENERGY.
ISSN 0306-4549, 2016, vol. 98, no., pp. 36-42., Registrované v: WOS

72. [1.1] HUY, Virginie - NOGUERE, Gilles - RIMPAULT, Gerald. Use
of integral data assimilation and differential measurements as a contribution to
improve U-235 and U-238 cross sections evaluations in the fast and epithermal
energy range. In EPJ NUCLEAR SCIENCES & TECHNOLOGIES. ISSN
2491-9292, 2018, vol. 4, 41., Registrované v: WOS

73. [1.1] HU, Li-Yuan - SONG, Yu-Shou - HOU, Ying-Wei - LIU,
Hui-Lan. A Common Optical Potential for He-4+C-12 at Intermediate Energies.
In CHINESE PHYSICS LETTERS. ISSN 0256-307X, 2016, vol. 33, no. 7,
072401., Registrované v: WOS

74. [1.1] CHADWICK, M. B. - CAPOTE, R. - TRKOV, A. - et al.
CIELO Collaboration Summary Results: International Evaluations of Neutron
Reactions on Uranium, Plutonium, Iron, Oxygen and Hydrogen. In NUCLEAR
DATA SHEETS, 2018, vol. 148, pp. 189-213., Registrované v: WOS

75. [1.1] CHALLAN, M. B. Phenomenological approach affecting of (n,
p) reaction cross sections via 14.5-MeV neutrons. In INDIAN JOURNAL OF
PHYSICS. ISSN 0973-1458, 2019, vol. 93, no. 3, pp. 373-383., Registrované v:
WOS

76. [1.1] CHAPMAN, CH. - LEAL, L. - RAHNEMA, F. - et al. Thermal
neutron scattering evaluation framework. In ND 2016: INTERNATIONAL
CONFERENCE ON NUCLEAR DATA FOR SCIENCE AND TECHNOLOGY.
ISSN 2100-014X, 2017, vol. 146, 13007., Registrované v: WOS

77. [1.1] CHEN, Shengli - NOGUERE, Gilles - BERNARD, David - DE
SAINT JEAN, Cyrille - TOMMASI, Jean. PROFIL-2 Experiment and neutron
capture cross sections of Europium isotopes. In ND 2019: INTERNATIONAL
CONFERENCE ON NUCLEAR DATA FOR SCIENCE AND TECHNOLOGY.
ISSN 2100-014X, 2020, vol. 239, 01032., Registrované v: WOS

78. [1.1] CHOUDHARY, Mahesh - SHARMA, Aman - GANDHI, A. -
SINGH, Namrata - KUMAR, A. Study of pre-equilibrium contributions in proton
spectra of Co-59(n,xp) reaction using TALYS-1.9. In INDIAN JOURNAL OF
PURE & APPLIED PHYSICS. ISSN 0019-5596, 2020, vol. 58, no. 5, pp.
423-426., Registrované v: WOS

79. [1.1] CHO, Jongmin - WANG, Min - GONZALEZ-LEPERA, Carlos
- MAWLAWI, Osama - CHO, Sang Hyun. Development of bimetallic (Zn@Au)
nanoparticles as potential PET-imageable radiosensitizers. In MEDICAL
PHYSICS. ISSN 0094-2405, 2016, vol. 43, no. 8, pp. 4775-4788., Registrované
v: WOS

80. [1.1] CHO, J. - GROGG, K. - MIN, CH. H. - et al. Feasibility study of
using fall-off gradients of early and late PET scans for proton range verification.
In MEDICAL PHYSICS. ISSN 0094-2405, 2017, vol. 44, no. 5, pp. 1734-1746.,
Registrované v: WOS

81. [1.1] ICHIHARA, Akira. Theoretical calculation of neutron cross
sections for SUP90,91,92,94,96/SUPZr in the incident energy range between 200
keV and 20 MeV. In JOURNAL OF NUCLEAR SCIENCE AND
TECHNOLOGY. ISSN 0022-3131, 2018, vol. 55, no. 9, pp. 1087-1098.,

Registrované v: WOS

82. [1.1] ISHIZUKA, CH. - JOJIMA, H. - USANG, M.D. - et al. The charge polarization and its impact on prompt fission neutron multiplicity. In SPECIAL ISSUE OF FOR THE FIFTH INTERNATIONAL SYMPOSIUM ON INNOVATIVE NUCLEAR ENERGY SYSTEMS. ISSN 1876-6102, 2017, vol. 131, pp. 285-291., Registrované v: WOS

83. [1.1] IWAMOTO, Hiroki - MEIGO, Shin-ichiro. Unified description of the fission probability for highly excited nuclei. In JOURNAL OF NUCLEAR SCIENCE AND TECHNOLOGY. ISSN 0022-3131, 2019, vol. 56, no. 2, pp. 160-171., Registrované v: WOS

84. [1.1] IWAMOTO, Hiroki - MEIGO, Shin-ichiro - MATSUDA, Hiroki. A comprehensive study of spallation models for proton-induced spallation product yields utilized in transport calculation. In ND 2019: INTERNATIONAL CONFERENCE ON NUCLEAR DATA FOR SCIENCE AND TECHNOLOGY. ISSN 2100-014X, 2020, vol. 239, 06001., Registrované v: WOS

85. [1.1] IWAMOTO, Hiroki - MEIGO, Shin-Ichiro. Estimation of uncertainty in lead spallation particle multiplicity and its propagation to a neutron energy spectrum. In JOURNAL OF NUCLEAR SCIENCE AND TECHNOLOGY. ISSN 0022-3131, 2020, vol. 57, no. 3, pp. 276-290., Registrované v: WOS

86. [1.1] IWAMOTO, Hiroki. Generation of nuclear data using Gaussian process regression. In JOURNAL OF NUCLEAR SCIENCE AND TECHNOLOGY. ISSN 0022-3131, 2020, vol. 57, no. 8, pp. 932-938., Registrované v: WOS

87. [1.1] IWAMOTO, O. - IWAMOTO, N. - KUNIEDA, S. - MINATO, F. - SHIBATA, K. The CCONE Code System and its Application to Nuclear Data Evaluation for Fission and Other Reactions. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2016, vol. 131, no., pp. 259-288., Registrované v: WOS

88. [1.1] KANADA-EN'YO, Yoshiko - SHIKATA, Yuki - CHIBA, Yohei - OGATA, Kazuyuki. Neutron dominance in excited states of Mg-26 and Be-10 probed by proton and alpha inelastic scattering. In PHYSICAL REVIEW C. ISSN 0556-2813, 2020, vol. 102, no. 1, 014607., Registrované v: WOS

89. [1.1] KANAKI, Kalliopi - KITTELMANN, Thomas - CAI, Xiao Xiao - KLINKBY, Esben - KNUDSEN, Erik B. - WILLENDROP, Peter - HALL-WILTON, Richard. Simulation tools for detector and instrument design. In PHYSICA B-CONDENSED MATTER. ISSN 0921-4526, 2018, vol. 551, pp. 386-389., Registrované v: WOS

90. [1.1] KARKERA, Meghna - NAIK, Haladhara - PUNCHITHAYA, Sripathi - et al. Measurement and covariance analysis of Th-232(n, 2n)Th-231 reaction cross sections at the effective neutron energies of 8.97 and 16.52MeV. In JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY. ISSN 0236-5731, 2018, vol. 318, no. 3, pp. 1893-1900., Registrované v: WOS

91. [1.1] KASZTELAN, M. - JEDRZEJCZAK, K. - SZABELSKI, J. Comparison of MC Geant4 simulation with the measurements of gamma photons produced by neutrons. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2019, vol. 34, no. 6, 1950046., Registrované v: WOS

92. [1.1] KAVUN, Yusuf - PARASHARI, Siddharth - TEL, Eyyup. Investigation of (gamma, p) reaction cross-section calculations of Ca-40, Ge-70

- and Zr-90 isotopes. In APPLIED RADIATION AND ISOTOPES. ISSN 0969-8043, 2020, vol. 164, 109318., Registrované v: WOS
93. [1.1] KAWANO, T. - CHO, Y. S. - DIMITRIOU, P. - FILIPESCU, D. - IWAMOTO, N. - PLUJKO, V. - TAO, X. - UTSUNOMIYA, H. - VARLAMOV, V. - XU, R. - CAPOTE, R. - GHEORGHE, I. - GORBACHENKO, O. - JIN, Y. L. - RENSTROM, T. - SIN, M. - STOPANI, K. - TIAN, Y. - TVETEN, G. M. - WANG, J. M. - BELGYA, T. - FIRESTONE, R. - GORIELY, S. - KOPECKY, J. - KRTICKA, M. - SCHWENGNER, R. - SIEM, S. - WIEDEKING, M. IAEA Photonuclear Data Library 2019. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2020, vol. 163, pp. 109-162., Registrované v: WOS
94. [1.1] KAWASAKI, Takuro - KANEKO, Koji - NAKAMURA, Ai - ASO, Naofumi - HEDO, Masato - NAKAMA, Takao - OHHARA, Takashi - KIYANAGI, Ryoji - OIKAWA, Kenichi - TAMURA, Itaru - NAKAO, Akiko - MUNAKATA, Koji - HANASHIMA, Takayasu - ONUKI, Yoshichika. Magnetic Structure of Divalent Europium Compound EuGa₄ Studied by Single-Crystal Time-of-Flight Neutron Diffraction. In JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN. ISSN 0031-9015, 2016, vol. 85, no. 11., Registrované v: WOS
95. [1.1] KHANDAKER, Mayeen Uddin - HABA, Hiromitsu - MURAKAMI, Masashi - OTUKA, Naohiko - ABU KASSIM, Hasan. Excitation functions of deuteron-induced nuclear reactions on natural platinum up to 24 MeV. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS. ISSN 0168-583X, 2015, vol. 362, pp. 151-162., Registrované v: WOS
96. [1.1] KHANDAKER, Mayeen Uddin - NAGATSU, Kotaro - OBATA, Honoka - MINEGISHI, Katsuyuki - ZHANG, Ming-Rong. Excitation functions of helion-induced nuclear reactions on natural titanium up to 55 MeV. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS. ISSN 0168-583X, 2019, vol. 445, pp. 69-76., Registrované v: WOS
97. [1.1] KHANDAKER, Mayeen Uddin - HABA, Hiromitsu - KOMORI, Yukiko - OTUKA, Naohiko. Excitation functions of deuteron-induced nuclear reactions on erbium in the energy range of 4-24 MeV. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS. ISSN 0168-583X, 2020, vol. 470, pp. 1-9., Registrované v: WOS
98. [1.1] KHANDAKER, M. U. - ALI, S. K. I. - ABU KASSIM, H. - et al. Evaluated cross-sections of Co-55 radionuclide, a non-standard positron emitter for clinical applications, In RADIATION PHYSICS AND CHEMISTRY, 2017, vol. 140, pp. 511-520., Registrované v: WOS
99. [1.1] KHANDAKER, M. U. - NAGATSU, K. - MINEGISHI, K. - et al. Study of deuteron-induced nuclear reactions on natural tungsten for the production of theranostic Re-186 via AVF cyclotron up to 38 MeV. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS. ISSN 0168-583X, 2017, vol. 403, pp. 51-68., Registrované v: WOS
100. [1.1] KHANDAKER, M.U. - ALI, S. K. I. - ABU KASSIM, H. - et al. Evaluated cross-sections of Co-55 radionuclide, a non-standard positron emitter for clinical applications. In RADIATION PHYSICS AND CHEMISTRY.

- ISSN 0969-806X, 2017, vol. 140, pp. 511-520., Registrované v: WOS
101. [1.1] KHUSHVAKTOV, J. H. - STEGAILOV, V. - ADAM, J. - KOBETS, V. V. - SOLNYSHKIN, A. A. - SVOBODA, J. - TETEREV, Yu G. - TICHY, P. - TSOUPKO-SITNIKOV, V. M. - TYUTYUNNIKOV, S. - VRZALOVA, J. - YULDASHEV, B. S. - ZEMAN, M. Study of the Rate of Photonuclear Reactions in Ho-165 Nucleus. In PHYSICS OF PARTICLES AND NUCLEI LETTERS. ISSN 1547-4771, 2020, vol. 17, no. 6, pp. 821-825., Registrované v: WOS
102. [1.1] KIM, HyoJin - NOH, Sung Jin - KANG, Yeong-Rok - LEE, Manwoo - JEONG, Dong Hyeok - KIM, Jung Ki - YANG, Kwangmo - RO, Tae-Ik - SHIN, Sung Gyun - KYE, Yong Uk - CHO, Moo-Hyun - KIM, Guinyun. Measurement of isomeric yield ratios in the photo-production of Ce-133m,Ce-g;137m,Ce-g from Ce-nat using 55-, 60-, and 65-MeV bremsstrahlung. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS. ISSN 0168-583X, 2015, vol. 349, pp. 141-146., Registrované v: WOS
103. [1.1] KLIR, D. - SHISHLOV, A. - KOKSHENEV, V. A. - JACKSON, S. L. - REZAC, K. - CHERDIZOV, R. K. - CIKHARDT, J. - DUDKIN, G. N. - FURSOV, F. - KRASA, J. - KRAVARIK, J. - KUBES, P. - KURMAEV, N. E. - MUNZAR, V - RATAKHIN, N. A. - TUREK, K. - VARLACHEV, V. A. Production of energetic protons, deuterons, and neutrons up to 60 MeV via disruption of a current-carrying plasma column at 3 MA. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2020, vol. 22, no. 10, 103036., Registrované v: WOS
104. [1.1] KOEGLER, T. - JUNGHANS, A. R. - BEYER, R. - DIETZ, M. - DUELLMANN, Ch. E. - EBERHARDT, K. - LORENZ, Ch. - MUELLER, S. E. - NOLTE, R. - REINHARDT, T. P. - SCHMIDT, K. - RUNKE, J. - SCHWENGNER, R. - TAKACS, M. - VASCON, A. - WAGNER, A. Fast-neutron-induced fission cross section of (PU)-P-242 measured at the neutron time-of-flight facility nELBE. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 2, 024604., Registrované v: WOS
105. [1.1] KONING, A. J. Bayesian Monte Carlo method for nuclear data evaluation. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2015, vol. 51, no. 12, 184., Registrované v: WOS
106. [1.1] KONING, A. J. - ROCHMAN, D. - SUBLET, J-Ch - DZYSIUK, N. - FLEMING, M. - VAN DER MARCK, S. TENDL: Complete Nuclear Data Library for Innovative Nuclear Science and Technology. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2019, vol. 155, pp. 1-55., Registrované v: WOS
107. [1.1] KUNIEDA, Satoshi. R-matrix Analysis for the Be-8 System and Features in the p+Li-7 Reaction Over Resonance Region. In EPJ WEB OF CONFERENCES, 2016, vol. 122, ., Registrované v: WOS
108. [1.1] LARSEN, A. C. - SPYROU, A. - LIDDICK, S. N. - GUTTORMSEN, M. Novel techniques for constraining neutron-capture rates relevant for r-process heavy-element nucleosynthesis. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2019, vol. 107, pp. 69-108., Registrované v: WOS
109. [1.1] LEEB, H. - SCHNABEL, G. - SRDINKO, Th. - WILDPANER, V. Bayesian Evaluation Including Covariance Matrices of Neutron-induced Reaction Cross Sections of Ta-181. In NUCLEAR DATA SHEETS. ISSN

- 0090-3752, 2015, vol. 123, pp. 153-158., Registrované v: WOS
110. [1.1] LEE, Sangmin - CHANG, Hyegang - LEE, Junyoung - KYE, Yong Uk - YE, Sung-Joon. Neutron yields of Be-9(p,xn) reactions and beam characterization for accelerator-based boron neutron capture therapy facility using MCNP6, PHITS, and GEANT4 simulation results. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS. ISSN 0168-583X, 2020, vol. 478, pp. 233-238., Registrované v: WOS
111. [1.1] LEWIS, A. M. - BERNSTEIN, L. A. - KAWANO, T. - NEUDECKER, D. Ratio method for estimating uncertainty in calculated gamma cascades. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2019, vol. 55, no. 8, 141., Registrované v: WOS
112. [1.1] LUO, Junhua - JIANG, Li - HE, Long. Isomer ratios and cross sections for the isomeric pair Sb-122m and Sb-122(g) in the Sb-123(n,2n) reaction. In APPLIED RADIATION AND ISOTOPES. ISSN 0969-8043, 2018, vol. 140, pp. 115-120., Registrované v: WOS
113. [1.1] LUO, Junhua - JIANG, Li - HE, Long. Activation cross sections for the Pd-110(n,2n) reaction and the isomeric cross-sections ratio of Pd-109m, Pd-g in the neutron energy range of 13-15 MeV. In JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY. ISSN 0236-5731, 2018, vol. 316, no. 2, pp. 733-739., Registrované v: WOS
114. [1.1] MAJERLE, Mitja - ANSORGE, Martin - BEM, Pavel - NOVAK, Jan - SIMECKOVA, Eva - STEFANIK, Milan. CROSS SECTIONS MEASURED BY QUASI-MONOENERGETIC NEUTRONS. In RADIATION PROTECTION DOSIMETRY. ISSN 0144-8420, 2018, vol. 180, no. 1-4, pp. 386-390., Registrované v: WOS
115. [1.1] MAJERLE, M. - BEM, P. - NOVAK, J. - SIMECKOVA, E. - STEFANIK, M. Au, Bi, Co and Nb cross-section measured by quasimonoenergetic neutrons from p + Li-7 reaction in the energy range of 18-36 MeV. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 953, no., pp. 139-157., Registrované v: WOS
116. [1.1] MARINI, P. - MATHIEU, L. - AICHE, M. - et al. Pu-242 neutron-induced fission cross-section measurement from 1 to 2 MeV neutron energy. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 96, no. 5, 054604., Registrované v: WOS
117. [1.1] MASADEH, S. B. - JAGHOUB, M. Semimicroscopic optical model with coupled-channel analysis for neutron scattering off nuclei with mass numbers $12 \leq A \leq 208$. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 1, 014603., Registrované v: WOS
118. [1.1] MATEI, C. - BELLONI, F. - HEYSE, J. - et al. Absolute cross section measurements of neutron-induced fission of Pu-242 from 1 to 2.5 MeV. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 2, 024606., Registrované v: WOS
119. [1.1] MATSUDA, Hiroki - IWAMOTO, Hiroki - MEIGO, Shin-ichiro - TAKESHITA, Hayato - MAEKAWA, Fujio. Measurement of thick target neutron yield at 180 degrees for a mercury target induced by 3-GeV protons. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS. ISSN 0168-583X, 2020, vol. 483, pp. 33-40., Registrované v: WOS
120. [1.1] MENDOZA, E. - CANO-OTT, D. - ALTSTADT, S. - et al.

Measurement and analysis of the Am-241 neutron capture cross section at the n_TOF facility at CERN. In PHYSICAL REVIEW C, 2018, vol. 97, no. 5., Registrované v: WOS

121. [1.1] MOHR, Peter. alpha-cluster states in Cr-46,Cr-54 from double-folding potentials. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2017, vol. 53, no. 10, 209., Registrované v: WOS

122. [1.1] MOHR, Peter. Cross sections of alpha-induced reactions for targets with masses A approximate to 20-50 at low energies. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2015, vol. 51, no. 5, article 56., Registrované v: WOS

123. [1.1] MORRELL, Jonathan T. - VOYLES, Andrew S. - BASUNIA, M. S. - BATCHELDER, Jon C. - MATTHEWS, Eric F. - BERNSTEIN, Lee A. Measurement of La-139(p,x) cross sections from 35-60 MeV by stacked-target activation. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2020, vol. 56, no. 1, 13., Registrované v: WOS

124. [1.1] MRAZEK, Jaromir - SIMECKOVA, Eva - BEHAL, Radomir - GLAGOLEV, Vadim - VESELY, Frantisek - STEFANIK, Milan - MAJERLE, Mitja - NOVAK, Jan - ANSORGE, Martin - SIVACEK, Ivan - VRZALOVA, Jitka - LEDOUX, Xavier - SANTOS, Francois de Oliveira - FISCHER, Ulrich - KLIJ, Axel - AVRIGEANU, Marilena - AVRIGEANU, Vlad. Charged particle activation facility in NPI CAS and in future GANIL/SPIRAL2-NFS. In ND 2019: INTERNATIONAL CONFERENCE ON NUCLEAR DATA FOR SCIENCE AND TECHNOLOGY. ISSN 2100-014X, 2020, vol. 239, 17010., Registrované v: WOS

125. [1.1] MUNCH, Michael - KIRSEBOM, Oliver Solund - SWARTZ, Jacobus Andreas - FYNBO, Hans Otto Uldall. Resolving the B-11(p, alpha(0)) cross-section discrepancies between 0.5 and 3.5 MeV. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2020, vol. 56, no. 1, 17., Registrované v: WOS

126. [1.1] NAIK, H. - DANGE, S. P. - JANG, W. - SINGH, R. J. Post-neutron mass yield distribution in the thermal neutron induced fission of Cm-245. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2020, vol. 56, no. 9, 227., Registrované v: WOS

127. [1.1] NAIK, H. - DANGE, S. P. - JANG, W. - SINGH, R. J. Post-neutron mass yield distribution in the thermal neutron induced fission of Pu-241. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2020, vol. 56, no. 7, 186., Registrované v: WOS

128. [1.1] NAIK, H. - SURAYANARAYANA, S. V. - BISHNOI, S. - PATEL, T. - SINHA, A. - GOSWAMI, A. Neutron induced reaction cross-section of Th-232 and U-238 at the neutron energies of 2.45 and 14.8 MeV. In JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY. ISSN 0236-5731, 2015, vol. 303, no. 3, pp. 2497-2504., Registrované v: WOS

129. [1.1] NAIK, H. - SURYANARAYANA, S. V. - MURALI, M. S. - KAPOTE NOY, R. Excitation function of Zn-68(p,n)Ga-68 reaction for the production of Ga-68. In JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY. ISSN 0236-5731, 2020, vol. 324, no. 1, pp. 285-289., Registrované v: WOS

130. [1.1] NAKAYAMA, Shinsuke. Calculation of neutron cross-sections on copper-63 and-65. In JOURNAL OF NUCLEAR SCIENCE AND TECHNOLOGY. ISSN 0022-3131, 2018, vol. 55, no. 6, pp. 614-622.,

Registrované v: WOS

131. [1.1] NEGRET, A. - SIN, M. - BORCEA, C. - et al. Cross-section measurements for the Fe-57(n,n gamma)Fe-57 and Fe-57(n,2n gamma)Fe-56 reactions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 96, no. 2, 024620., Registrované v: WOS

132. [1.1] NEUDECKER, Denise - HEJNAL, Brooke - TOVESSON, Fredrik - et al. Template for estimating uncertainties of measured neutron-induced fission cross-sections. In EPJ NUCLEAR SCIENCES & TECHNOLOGIES. ISSN 2491-9292, 2018, vol. 4, 21., Registrované v: WOS

133. [1.1] NEUDECKER, Denise. ARIADNE a program estimating covariances in detail for neutron experiments. In EPJ NUCLEAR SCIENCES & TECHNOLOGIES. ISSN 2491-9292, 2018, vol. 4, 34., Registrované v: WOS

134. [1.1] NEUDECKER, D. - SMITH, D. L. - TOVESSON, F. - CAPOTE, R. - WHITE, M. C. - BOWDEN, N. S. - SNYDER, L. - CARLSON, A. D. - CASPERSON, R. J. - PRONYAEV, V - SANGIORGIO, S. - SCHMITT, K. T. - SEILHAN, B. - WALSH, N. - YOUNES, W. Applying a Template of Expected Uncertainties to Updating Pu-239(n,f) Cross-section Covariances in the Neutron Data Standards Database. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2020, vol. 163, pp. 228-248., Registrované v: WOS

135. [1.1] NOBRE, G. P. A. - BROWN, D. A. - HERMAN, M. W. - GOLAS, A. Constraining level densities through quantitative correlations with cross-section data. In PHYSICAL REVIEW C. ISSN 2469-9985, 2020, vol. 101, no. 3, 034608., Registrované v: WOS

136. [1.1] NYMAN, M. - BELLONI, F. - ICHINKHORLOO, D. - PIROVANO, E. - PLOMPEN, A. J. M. - ROUKI, C. Measurement of the 477.6-keV gamma-ray production cross section following inelastic neutron scattering by Li-7. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 2, 024610., Registrované v: WOS

137. [1.1] OLACEL, Adina - BORCEA, Catalin - BOROMIZA, Marian - DESSAGNE, Philippe - HENNING, Gregoire - KERVENO, Maelle - NEGRET, Alexandra - NYMAN, Markus - PLOMPEN, Arjan. Neutron inelastic cross section measurements on Ni-58, Ni-60. In ND 2019: INTERNATIONAL CONFERENCE ON NUCLEAR DATA FOR SCIENCE AND TECHNOLOGY. ISSN 2100-014X, 2020, vol. 239, 01040., Registrované v: WOS

138. [1.1] OLACEL, A. - BELLONI, F. - BORCEA, C. - et al. Neutron inelastic scattering measurements on the stable isotopes of titanium. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 96, no. 1, 014621., Registrované v: WOS

139. [1.1] OLACEL, A. - BELLONI, F. - BORCEA, C. - et al. Neutron inelastic cross section measurements for Ti-nat, In ND 2016: INTERNATIONAL CONFERENCE ON NUCLEAR DATA FOR SCIENCE AND TECHNOLOGY, Book Series: EPJ Web of Conferences, 2017, vol. 146, 11014., Registrované v: WOS

140. [1.1] OLACEL, A. - BORCEA, C. - BOROMIZA, M. - et al. Neutron inelastic scattering on Fe-54. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2018, vol. 54, no. 10, 183., Registrované v: WOS

141. [1.1] OPREA, Cristiana - MIHUL, Alexandru - OPREA, Alexandru. Advanced Modelling of U-238(n,f) in a Fast Reactor Application. In 5TH INTERNATIONAL WORKSHOP ON NUCLEAR DATA EVALUATION FOR REACTOR APPLICATIONS (WONDER-2018). ISSN 2100-014X, 2019, vol.

211, 04008., Registrované v: WOS

142. [1.1] OTUKA, Naohiko - SOPPERA, Nicolas. How to search on EXFOR. In XXIII INTERNATIONAL SCHOOL ON NUCLEAR PHYSICS, NEUTRON PHYSICS AND APPLICATIONS. ISSN 1742-6588, 2020, vol. 1555, 012009., Registrované v: WOS

143. [1.1] PANG, D. Y. - DEAN, W. M. - MUKHAMEDZHANOV, A. M. Optical model potential of $A=3$ projectiles for 1 p-shell nuclei. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 91, no. 2, 024611., Registrované v: WOS

144. [1.1] PANIKKATH, Priyada - MOHANAKRISHNAN, P. Thermal-neutron cross sections and resonance integrals of Ba-138 and Pr-141 using Am-Be neutron source. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2016, vol. 52, no. 9, 276., Registrované v: WOS

145. [1.1] PANIKKATH, P. - MOHANAKRISHNAN, P. Thermal neutron capture cross-section and resonance integral measurements of La-139(n, gamma)La-140 and Ce-140(n, gamma)Ce-141 using a Am-Be neutron source. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2017, vol. 53, no. 3, 46., Registrované v: WOS

146. [1.1] PARASHARI, Siddharth - MUKHERJEE, Surjit - MAKWANA, Rajnikant - et al. Measurement of Mo-100(n, 2n)Mo-99 reaction cross-sections using 10-20 MeV quasi-monoenergetic neutrons. In PROCEEDINGS OF THE 2018 19TH INTERNATIONAL SCIENTIFIC CONFERENCE ON ELECTRIC POWER ENGINEERING (EPE). ISSN 2376-5623, 2018., Registrované v: WOS

147. [1.1] PASHA, Imran - BASAVANNA, Rudraswamy - YERRANGUNTLA, Santhi Sheela - SURYANARAYANA, Saraswatula Venkata - PACHUA, Rebecca - MIDHUN, Cherumukku Vallabhan - NAIK, Haladhara - PATEL, Tarun - BISHNOI, Saroj - DANU, Laxman Singh. Measurement of 14.54 +/- 0.24 MeV neutron activation reaction cross sections of (93)Nb, Mo-nat with covariance analysis. In JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY. ISSN 0236-5731, 2020, vol. 325, no. 3, pp. 863-868., Registrované v: WOS

148. [1.1] PASHA, Imran - BASAVANNA, Rudraswamy - SURYANARAYANA, Saraswatula Venkata - NAIK, Haladhara - RAM, Sangeetha Prasanna - DANU, Laxman Singh - PATEL, Tarun - BISHNOI, Saroj - KARANTHA, Manjunatha Prasad. Measurement of neutron induced reaction cross sections of palladium isotopes at the neutron energy of 14.54 +/- 0.24 MeV with covariance analysis. In JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY. ISSN 0236-5731, 2020, vol. 325, no. 1, pp. 175-182., Registrované v: WOS

149. [1.1] PIERSON, B. D. - GREENWOOD, L. R. - FLASKA, M. - et al. Fission Product Yields from Th-232, U-238, and U-235 Using 14 MeV Neutrons. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2017, vol. 139, SI, pp. 171-189., Registrované v: WOS

150. [1.1] PIERSON, B. D. - PRINKE, A. M. - GREENWOOD, L. R. - STAVE, S. C. - WITTMAN, R. S. - BURCH, J. G. - BURKE, T. - PADGETT, S. W. - RESSLER, J. J. - SLAVIK, G. - TAMASHIRO, A. - TONCHEV, A. - YOUNES, W. Improved Cumulative Fission Yield Measurements with Fission Spectrum Neutrons on U-235. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2019, vol. 155, pp. 86-97., Registrované v: WOS

151. [1.1] PIROVANO, E. - BEYER, R. - JUNGHANS, A. R. - et al. Backward-forward reaction asymmetry of neutron elastic scattering on deuterium. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 2, 024601., Registrované v: WOS
152. [1.1] PIROVANO, E. - BEYER, R. - DIETZ, M. - JUNGHANS, A. R. - MULLER, S. E. - NOLTE, R. - NYMAN, M. - PLOMPEN, A. J. M. - ROEDER, M. - SZUECS, T. - TAKACS, M. P. Cross section and neutron angular distribution measurements of neutron scattering on natural iron. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 2, 024601., Registrované v: WOS
153. [1.1] POIGNANT, F. - PENFOLD, S. - ASP, J. - TAKHAR, P. - JACKSON, P. GEANT4 simulation of cyclotron radioisotope production in a solid target. In PHYSICA MEDICA-EUROPEAN JOURNAL OF MEDICAL PHYSICS. ISSN 1120-1797, 2016, vol. 32, no. 5, pp. 728-734., Registrované v: WOS
154. [1.1] POMP, S. - AL-ADILI, A. - ALHASSAN, E. - GUSTAVSSON, C. - HELGESSON, P. - HELLESEN, C. - KONING, A. J. - LANTZ, M. - OSTERLUND, M. - ROCHMAN, D. - SIMUTKIN, V. - SJOSTRAND, H. - SOLDERS, A. Experiments and Theoretical Data for Studying the Impact of Fission Yield Uncertainties on the Nuclear Fuel Cycle with TALYS/GEF and the Total Monte Carlo Method. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2015, vol. 123, pp. 220-224., Registrované v: WOS
155. [1.1] PRAENA, J. - SABATE-GILARTE, M. - PORRAS, I. - et al. Measurement and resonance analysis of the S-33(n,alpha)Si-30 cross section at the CERN n_TOF facility in the energy region from 10 to 300 keV. In PHYSICAL REVIEW C, 2018, vol. 97, no. 6., Registrované v: WOS
156. [1.1] PRITYCHENKO, B. Calculations of astrophysical reaction rates using ENDF/B-VIII.0 library. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2020, vol. 167, pp. 76-107., Registrované v: WOS
157. [1.1] PRIVAS, E. - ARCHIER, P. - DE SAINT JEAN, C. - NOGUERE, G. - TOMMASI, J. The Use of Nuclear Data as Nuisance Parameters in the Integral Data Assimilation of the PROFIL Experiments. In NUCLEAR SCIENCE AND ENGINEERING. ISSN 0029-5639, 2016, vol. 182, no. 3, pp. 377-393., Registrované v: WOS
158. [1.1] QAIM, Syed M. - SCHOLTEN, Bernhard - SPAHN, Ingo - NEUMAIER, Bernd. Positron-emitting radionuclides for applications, with special emphasis on their production methodologies for medical use. In RADIOCHIMICA ACTA. ISSN 0033-8230, 2019, vol. 107, no. 9-11, pp. 1011-1026., Registrované v: WOS
159. [1.1] QUARTEMONT, Nicholas J. - BICKLEY, Abigail A. - BEVINS, James E. Nuclear Data Covariance Analysis in Radiation-Transport Simulations Utilizing SCALE Sampler and the IRDFF Nuclear Data Library. In IEEE TRANSACTIONS ON NUCLEAR SCIENCE. ISSN 0018-9499, 2020, vol. 67, no. 3, pp. 482-491., Registrované v: WOS
160. [1.1] RAMIREZ, A. P. D. - VANHOY, J. R. - HICKS, S. F. - et al. Neutron scattering cross section measurements for Fe-56. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 6, 064605., Registrované v: WOS
161. [1.1] RASHID, Md. Mamunur - SHIGYO, Nobuhiro - ISHIBASHI, Kenji - IWAMOTO, Nobuyuki - IWAMOTO, Osamu. Evaluation of neutron

nuclear data on xenon isotopes. In JOURNAL OF NUCLEAR SCIENCE AND TECHNOLOGY. ISSN 0022-3131, 2016, vol. 53, no. 9, pp. 1310-1320.,

Registrované v: WOS

162. [1.1] RAVENTOS, M. - LEHMANN, E. H. - BOIN, M. - et al. A Monte Carlo approach for scattering correction towards quantitative neutron imaging of polycrystals. In JOURNAL OF APPLIED CRYSTALLOGRAPHY. ISSN 1600-5767, 2018, vol. 51, pp. 386-394., Registrované v: WOS

163. [1.1] ROBERTSON, Andrew K. H. - KUNZ, Peter - HOEHR, Cornelia - SCHAFFER, Paul. Nuclide production cross sections from irradiation of thorium by 438 MeV protons and a comparison to FLUKA and GEANT4 simulations. In PHYSICAL REVIEW C. ISSN 0556-2813, 2020, vol. 102, no. 4, 044613., Registrované v: WOS

164. [1.1] ROCHMAN, D. - BAUGE, E. - VASILIEV, A. - FERROUKHI, H. - PELLONI, S. - KONING, A. J. - SUBLET, J. Ch. Monte Carlo nuclear data adjustment via integral information. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2018, vol. 133, no. 12, 537., Registrované v: WOS

165. [1.1] ROCHMAN, D. - KONING, A. J. - SUBLET, J. Ch. - et al. The TENDL library: Hope, reality and future. In ND 2016: INTERNATIONAL CONFERENCE ON NUCLEAR DATA FOR SCIENCE AND TECHNOLOGY. ISSN 2100-014X, 2017, vol. 146, 02006., Registrované v: WOS

166. [1.1] ROCHMAN, D. - KONING, A. J. - SUBLET, J-Ch. A Statistical Analysis of Evaluated Neutron Resonances with TARES for JEFF-3.3, JENDL-4.0, ENDF/B-VIII.0 and TENDL-2019. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2020, vol. 163, pp. 163-190., Registrované v: WOS

167. [1.1] ROCHMAN, D. - LERAY, O. - VASILIEV, A. - FERROUKHI, H. - KONING, A. J. - FLEMING, M. - SUBLET, J. C. A Bayesian Monte Carlo method for fission yield covariance information. In ANNALS OF NUCLEAR ENERGY. ISSN 0306-4549, 2016, vol. 95, no., pp. 125-134., Registrované v: WOS

168. [1.1] ROCHMAN, D. - LERAY, O. - PERRET, G. - VASILIEV, A. - FERROUKHI, H. - KONING, A. J. Re-evaluation of the thermal neutron capture cross section of Nd-147. In ANNALS OF NUCLEAR ENERGY. ISSN 0306-4549, 2016, vol. 94, no., pp. 612-617., Registrované v: WOS

169. [1.1] ROCHMAN, D. - LERAY, O. - HURSIN, M. - et al. Nuclear Data Uncertainties for Typical LWR Fuel Assemblies and a Simple Reactor Core. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2017, vol. 139, SI, pp. 1-76., Registrované v: WOS

170. [1.1] ROMOJARO, P. - ZEROVNIK, G. - ALVAREZ-VELARDE, F. - et al. Neutron-induced nuclear data for the MYRRHA fast spectrum facility. In ND 2016: INTERNATIONAL CONFERENCE ON NUCLEAR DATA FOR SCIENCE AND TECHNOLOGY. ISSN 2100-014X, 2017, vol. 146, 09007., Registrované v: WOS

171. [1.1] SAHA, Uttiyoarnab - DEVAN, K. Assessment of neutron kerma coefficients and its calculation methodologies using recent basic ENDF-6 libraries. In NUCLEAR ENGINEERING AND DESIGN. ISSN 0029-5493, 2020, vol. 360, 110519, Registrované v: WOS

172. [1.1] SACHHIDANANDA, H. B. - MANOHARA, S. R. - SUNITHA, A. M. - PASHA, Imran - RUDRASWAMY, B. - SURYANARAYANA, S. - NAIK, Haladhara - KARKERA, Meghna - SHEELA, Y. S. - PRASAD, Manjunatha. Measurement and covariance analysis of

Ce-140(n,2n)Ce-139 and Ce-142(n,2n)Ce-141 reactions with the neutron energy of 13.5 MeV. In JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY. ISSN 0236-5731, 2020, vol. 325, no. 3, pp. 885-892.,

Registrované v: WOS

173. [1.1] SAITO, Moemi - AIKAWA, Masayuki - MURATA, Tomohiro - KOMORI, Yukiko - HABA, Hiromitsu - TAKACS, Sandor - DITROI, Ferenc - SZUCS, Zoltan. Production cross sections of Yb-169 by the proton-induced reaction on Tm-169. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS. ISSN 0168-583X, 2020, vol. 471, pp. 13-16.,

Registrované v: WOS

174. [1.1] SALAMON, L. - GESLOT, B. - HEYSE, J. - KOPECKY, S. - LECONTE, P. - NOGUERE, G. - PARADELA, C. - SCHILLEBEECKX, P. - SNOJ, L. Ag-107 and Ag-109 resonance parameters for neutron induced reactions below 1 keV. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS. ISSN 0168-583X, 2019, vol. 446, pp. 19-28.,

Registrované v: WOS

175. [1.1] SALDANHA, R. - THOMAS, R. - TSANG, R. H. M. - CHAVARRIA, A. E. - BUNKER, R. - BURNETT, J. L. - ELLIOTT, S. R. - MATALON, A. - MITRA, P. - PIERS, A. - PRIVITERA, P. - RAMANATHAN, K. - SMIDA, R. Cosmogenic activation of silicon. In PHYSICAL REVIEW D. ISSN 2470-0010, 2020, vol. 102, no. 10, 102006., Registrované v: WOS

176. [1.1] SATOH, Daiki - IWAMOTO, Yosuke - OGAWA, Tatsuhiko. Measurement of neutron-production double-differential cross sections of C-nat, Al-27, Fe-nat and Pb-nat by 20, 34, 48, 63, and 78 MeV protons in the most-forward direction. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, 2019, vol. 920, pp. 22-36., Registrované v: WOS

177. [1.1] SAVIN, Dmitry - KOSOV, Mikhail. Exclusive data-based modeling of neutron-nuclear reactions below 20MeV. In ND 2016: INTERNATIONAL CONFERENCE ON NUCLEAR DATA FOR SCIENCE AND TECHNOLOGY. ISSN 2100-014X, 2017, vol. 146, 12028., Registrované v: WOS

178. [1.1] SEKERCI, Mert. An investigation of the effects of level density models and alpha optical model potentials on the cross-section calculations for the production of the radionuclides Cu-62, Ga-67, Y-86 and Zr-89 via some alpha induced reactions. In RADIOCHIMICA ACTA. ISSN 0033-8230, 2020, vol. 108, no. 6, pp. 459-467., Registrované v: WOS

179. [1.1] SEMKOVA, V - PLOMPEN, A. J. M. - TROEV, T. Neutron-induced activation cross-sections for fusion technology applications. In XXIII INTERNATIONAL SCHOOL ON NUCLEAR PHYSICS, NEUTRON PHYSICS AND APPLICATIONS. ISSN 1742-6588, 2020, vol. 1555, 012010., Registrované v: WOS

180. [1.1] SHAHID, Muhammad - KIM, Kwangsoo - KIM, Guinyun - et al. Measurement of excitation functions of residual radionuclides from Ti-nat(p,x) reactions up to 44MeV. In JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY, 2018, vol. 318, no. 3, pp. 2049-2057.,

Registrované v: WOS

181. [1.1] SHAHID, Muhammad - KIM, Kwangsoo - NGUYEN THI HIEN - KIM, Guinyun - NAIK, Haladhara. Measurements of production cross-sections of medical radioisotopes (Ni-57, (CO)-C-55,57,58, Mn-54, Cr-51) and other by-products (Ni-56, Co-56, Mn-56) from the Co-59(p,x) reactions. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS. ISSN 0168-583X, 2020, vol. 466, pp. 102-109., Registrované v: WOS
182. [1.1] SHAHID, Muhammad - KIM, Kwangsoo - NAIK, Haladhara - KIM, Guinyun. Measurement of activation cross-sections of Dy-na(t)(p,x) reactions up to 45 MeV. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS. ISSN 0168-583X, 2020, vol. 464, pp. 74-83., Registrované v: WOS
183. [1.1] SHIBATA, Keiichi. Evaluation of neutron nuclear data on tantalum isotopes. In JOURNAL OF NUCLEAR SCIENCE AND TECHNOLOGY. ISSN 0022-3131, 2016, vol. 53, no. 7, pp. 957-967., Registrované v: WOS
184. [1.1] SHIBATA, Keiichi. Evaluation of neutron nuclear data on mercury isotopes. In JOURNAL OF NUCLEAR SCIENCE AND TECHNOLOGY. ISSN 0022-3131, 2016, vol. 53, no. 10, pp. 1595-1607., Registrované v: WOS
185. [1.1] SHIBATA, Keiichi. Evaluation of neutron nuclear data on platinum isotopes. In JOURNAL OF NUCLEAR SCIENCE AND TECHNOLOGY. ISSN 0022-3131, 2017, vol. 54, no. 2, pp. 147-157., Registrované v: WOS
186. [1.1] SCHNABEL, Georg - LEEB, Helmut. A modified Generalized Least Squares method for large scale nuclear data evaluation. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, 2017, vol. 841, pp. 87-96., Registrované v: WOS
187. [1.1] SCHNABEL, Georg - SJOSTRAND, Henrik. A first sketch: Construction of model defect priors inspired by dynamic time warping. In 5TH INTERNATIONAL WORKSHOP ON NUCLEAR DATA EVALUATION FOR REACTOR APPLICATIONS (WONDER-2018). ISSN 2100-014X, 2019, vol. 211, 07005., Registrované v: WOS
188. [1.1] SCHNABEL, Georg. A computational EXFOR database. In ND 2019: INTERNATIONAL CONFERENCE ON NUCLEAR DATA FOR SCIENCE AND TECHNOLOGY. ISSN 2100-014X, 2020, vol. 239, 16001., Registrované v: WOS
189. [1.1] SCHNABEL, Georg. Estimating model bias over the complete nuclide chart with sparse Gaussian processes at the example of INCL/ABLA and double-differential neutron spectra. In EPJ NUCLEAR SCIENCES & TECHNOLOGIES. ISSN 2491-9292, 2018, vol. 4, 33., Registrované v: WOS
190. [1.1] SCHULC, Martin - KOSTAL, Michal - SIMON, Jan - NOVAK, Evzen - JURICEK, Vlastimil - MARECEK, Martin. Measurement of very high threshold reactions using Cf-252 source. In APPLIED RADIATION AND ISOTOPES. ISSN 0969-8043, 2020, vol. 166, 109355., Registrované v: WOS
191. [1.1] SCHULC, Martin - KOSTAL, Michal - SIMON, Jan - BRIJAR, Filip - CZAKOJ, Tomas - MALY, Jiri Pipster. Constraining high energy tail of

- U-235(n(th),f) prompt fission neutron spectrum. In APPLIED RADIATION AND ISOTOPES. ISSN 0969-8043, 2020, vol. 166, 109313., Registrované v: WOS
192. [1.1] SIMON, A. - NAQVI, F. Indirect determination of neutron-capture cross sections for Sm isotopes. In PHYSICAL REVIEW C. ISSN 2469-9985, 2020, vol. 101, no. 1, 014619., Registrované v: WOS
193. [1.1] SINGH, Namrata - GANDHI, A. - SHARMA, Aman - CHOUDHARY, Mahesh - KUMAR, Ajay. Excitation functions of (n,p) and (n,2n) reactions of tantalum, rhenium, and iridium in the neutron energy range up to 20 MeV. In INDIAN JOURNAL OF PURE & APPLIED PHYSICS. ISSN 0019-5596, 2020, vol. 58, no. 4, pp. 314-318., Registrované v: WOS
194. [1.1] SONI, Bhargav K. - PARASHARI, Siddhart - MUKHERJEE, S. - MAKWANA, Rajnikant - MEHTA, M. - CHAUHAN, R. - SURYANARAYANA, S. - PASHA, I - DANU, L. S. - NAIK, H. - NAYAK, B. K. - VARMUZA, J. - KATOVSKY, K. Measurements of Ta-181(n,2n)Ta-180 reaction cross-section at the neutron energy of 14.78 MeV. In INDIAN JOURNAL OF PURE & APPLIED PHYSICS. ISSN 0019-5596, 2020, vol. 58, no. 4, pp. 228-233., Registrované v: WOS
195. [1.1] SONI, Bhargav - PARASHARI, Siddharth - MUKHERJEE, S. - MAKWANA, Rajnikant - SURYANARAYANA, S. V. - NAYAK, B. K. - NAIK, H. - VARMUZA, J. - KATOVSKY, K. Measurement of (n, xn) reaction cross sections on In-113, In-115 isotopes using quasi-monoenergetic neutrons within 10-20 MeV. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2020, vol. 135, no. 3, 300., Registrované v: WOS
196. [1.1] SOUBELET, B. - ADAMS, R. - KROMER, H. - PRASSER, H-M. Calibration technique and sample measurement database for material decomposition imaging using a compact deuterium-deuterium (D-D) fast neutron generator. In RADIATION PHYSICS AND CHEMISTRY. ISSN 0969-806X, 2020, vol. 176, 108930., Registrované v: WOS
197. [1.1] STAMATOPOULOS, A. - KANELAKOPOULOS, A. - KALAMARA, A. - et al. Measurement of the U-234(n, f) cross-section with quasi-monoenergetic beams in the keV and MeV range using a Micromegas detector assembly. In EUROPEAN PHYSICAL JOURNAL A, 2018, vol. 54, no. 1, 7., Registrované v: WOS
198. [1.1] STAMATOPOULOS, A. - TSINGANIS, A. - COLONNA, N. - et. al. Investigation of the Pu-240(n, f) reaction at the n_TOF/EAR2 facility in the 9 meV-6 MeV range. In PHYSICAL REVIEW C, 2020, vol. 102, no. 1, 014616., Registrované v: WOS
199. [1.1] STEGEMANN, S. - COCOLIOS, T. E. - DOCKX, K. - LEINDERS, G. - POPESCU, L. - RAMOS, J. P. - RIJSTRA, K. - STORA, T. - VERWERFT, M. - VLEUGELS, J. Production of intense mass separated C-11 beams for PET-aided hadron therapy. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS. ISSN 0168-583X, 2020, vol. 463, pp. 403-407., Registrované v: WOS
200. [1.1] SUBLET, J.CH. - EASTWOOD, J. W. - MORGAN, J. G. - et al. FISPACT-II: An Advanced Simulation System for Activation, Transmutation and Material Modelling. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2017, vol. 139, SI, pp. 77-137., Registrované v: WOS
201. [1.1] SZELECSENYI, Ferenc - FENYVESI, Andras - STEYN,

- Gideon Francois - BREZOVCSIK, Karoly - KOVACS, Zoltan - BIRO, Barna. Production possibility of Tb-161 utilizing secondary neutrons generated by protons from a low-energy cyclotron onto an isotope production target. In JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY. ISSN 0236-5731, 2018, vol. 318, no. 1, pp. 491-496., Registrované v: WOS
202. [1.1] TAKACS, S. - AIKAWA, M. - HABA, H. - KOMORI, Y. - DITROI, F. - SZUCS, Z. - SAITO, M. - MURATA, T. - SAKAGUCHI, M. - UKON, N. Cross sections of alpha-particle induced reactions on Ni-nat: Production of Cu-67. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS. ISSN 0168-583X, 2020, vol. 479, pp. 125-136., Registrované v: WOS
203. [1.1] TALOU, Patrick. Evaluating nuclear data and their uncertainties. In EPJ NUCLEAR SCIENCES & TECHNOLOGIES. ISSN 2491-9292, 2018, vol. 4, 29., Registrované v: WOS
204. [1.1] TATARI, M. - NAIK, H. - KIM, G. - et al. Measurement of photo-neutron cross sections and isomeric yield ratios in the Y-89(gamma,xn)Y89-x reactions at the bremsstrahlung end-point energies of 65, 70 and 75 MeV. In RADIOCHIMICA ACTA. ISSN 0033-8230, 2017, vol. 105, no. 10, pp. 789-799., Registrované v: WOS
205. [1.1] THOMPSON, Ian J. - DEBOER, R. J. - DIMITRIOU, P. - KUNIEDA, S. - PIGNI, M. T. - ARBANAS, G. - LEEB, H. - SRDINKO, Th. - HALE, G. - TAMAGNO, P. - ARCHIER, P. Verification of R-matrix calculations for charged-particle reactions in the resolved resonance region for the Be-7 system. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2019, vol. 55, no. 6, 92., Registrované v: WOS
206. [1.1] TIAN, Yuan - TAO, Xi - WANG, Jimin - KE, Xianbo - XU, Ruirui - GE, Zhigang. Giant dipole resonance parameters from photoabsorption cross-sections. In CHINESE PHYSICS C. ISSN 1674-1137, 2019, vol. 43, no. 11, 114102., Registrované v: WOS
207. [1.1] TRKOV, A. - GRIFFIN, P. J. - SIMAKOV, S. P. - GREENWOOD, L. R. - ZOLOTAREV, K. - CAPOTE, R. - ALDAMA, D. L. - CHECHEV, V. - DESTOUCHES, C. - KAHLER, A. C. - KONNO, C. - KOSTAL, M. - MAJERLE, M. - MALAMBU, E. - OHTA, M. - PRONYAEV, V. G. - RADULOVIC, V. - SATO, S. - SCHULC, M. - SIMECKOVA, E. - VAVTAR, I. - WAGEMANS, J. - WHITE, M. - YASHIMA, H. IRDFF-II: A New Neutron Metrology Library. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2020, vol. 163, pp. 1-108., Registrované v: WOS
208. [1.1] TSOODOL, Zolbadral - AIKAWA, Masayuki - DAGVADORJ, Ichinkhorloo - KHISHIGJARGAL, Tegshjargal - JAVKHLANTUGS, Namsrai - KOMORI, Yukiko - HABA, Hiromitsu. Production cross sections of Ga-68 and radioactive by-products in deuteron-induced reactions on natural zinc. In APPLIED RADIATION AND ISOTOPES. ISSN 0969-8043, 2020, vol. 159, 109095., Registrované v: WOS
209. [1.1] TVETEN, G. M. - SPYROU, A. - SCHWENGNER, R. - NAQVI, F. - LARSEN, A. C. - ERIKSEN, T. K. - GARROTE, F. L. Bello - BERNSTEIN, L. A. - BLEUEL, D. L. - CAMPO, L. Crespo - GUTTORMSEN, M. - GIACOPPO, F. - GORGEN, A. - HAGEN, T. W. - HADYNSKA-KLEK, K. - KLINTEFJORD, M. - MEYER, B. S. - NYHUS, H. T. - RENSTROM, T. - ROSE, S. J. - SAHIN, E. - SIEM, S. - TORNYYI, T. G. Completing the nuclear

- reaction puzzle of the nucleosynthesis of Mo-92. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 2, 025804., Registrované v: WOS
210. [1.1] UDDIN, Md Shuza - RAFEE, K. A. - HOSSAIN, S. M. - KHAN, R. - QAIM, S. M. Integral measurement of spectrum-averaged cross sections of a few threshold reactions induced by fast neutrons of a TRIGA reactor: comparison with integrated data from excitation functions given in various data libraries. In RADIOCHIMICA ACTA. ISSN 0033-8230, 2020, vol. 108, no. 7, pp. 511-516., Registrované v: WOS
211. [1.1] UDDIN, Md. Shuza - SPAHN, Ingo - HOSSAIN, Syed Mohammad - RUMMAN-UZ-ZAMAN, Md. - RAKIB-UZ-ZAMAN, Md. - QAIM, Syed M. Integral cross section measurements of a few threshold reactions induced by Am/Be neutrons. In RADIOCHIMICA ACTA. ISSN 0033-8230, 2015, vol. 103, no. 5, pp. 329-334., Registrované v: WOS
212. [1.1] USMAN, Ahmed Rufai - KHANDAKER, Mayeen Uddin - HABA, Hiromitsu - OTUKA, Naohiko - MURAKAMI, Masashi. Production cross sections of thulium radioisotopes for alpha-particle induced reactions on holmium. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS. ISSN 0168-583X, 2020, vol. 469, pp. 42-48., Registrované v: WOS
213. [1.1] USMAN, A. R. - KHANDAKER, M. U. - HABA, H. Cyclotron production of V-48 via Ti-nat(d,x)V-48 nuclear reaction; a promising radionuclide. In INTERNATIONAL NUCLEAR SCIENCE AND TECHNOLOGY CONFERENCE 2016. ISSN 1742-6588, 2017, vol. 860, UNSP 012029., Registrované v: WOS
214. [1.1] USMAN, A. R. - KHANDAKER, M. U. - HABA, H. - et al. Excitation functions of alpha particles induced nuclear reactions on natural titanium in the energy range of 10.4-50.2 MeV. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS. ISSN 0168-583X, 2017, vol. 399, pp. 34-47., Registrované v: WOS
215. [1.1] VANSOLA, Vibha - MUKHERJEE, Surjit - NAIK, Haladhara - SURYANARAYANA, Saraswatula Venkata - GHOSH, Reetuparna - BADWAR, Sylvia - LAWRINIANG, Bioletty Mary - SHEELA, Yerraguntla Santhi. Determination of Mn-55(n,gamma)Mn-56 reaction cross-section at the neutron energies of 1.12, 2.12, 3.12 and 4.12 MeV. In RADIOCHIMICA ACTA. ISSN 0033-8230, 2016, vol. 104, no. 11, pp. 749-755., Registrované v: WOS
216. [1.1] VERSTEEGEN, Maud - DENIS-PETIT, David - MEOT, Vincent - BONNET, Thomas - COMET, Maxime - GOBET, Franck - HANNACHI, Fazia - TARISIEN, Medhi - MOREL, Pascal - MARTINI, Marco - PERU, Sophie. Low-energy modification of the strength function of the odd-even nucleus In-115. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 4, 044325., Registrované v: WOS
217. [1.1] VERSTEEGEN, M. - DENIS-PETIT, D. - MEOT, V. - BONNET, T. - COMET, M. - GOBET, F. - HANNACHI, F. - MOREL, P. - MARTINI, M. - PERU, S. - TARISIEN, M. - ALEONARD, M-M. Effective photoexcitation cross section of In-115(gamma,gamma')In-115m from photoactivation data. In EPJ WEB OF CONFERENCES, 2016, vol. 122, 03001., Registrované v: WOS
218. [1.1] VESPALEC, R. - ADAM, J. - BALDIN, A. - et al. Cross-sections of residual nuclei from deuteron irradiation of thin thorium target

- at energy 7 GeV. In ND 2016: INTERNATIONAL CONFERENCE ON NUCLEAR DATA FOR SCIENCE AND TECHNOLOGY. ISSN 2100-014X, 2017, vol. 146, 09038., Registrované v: WOS
219. [1.1] VON NEUMANN-COSEL, Peter. Comment on "New formulas for the (-2) moment of the photoabsorption cross section, σ_{-2} ". In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 4, 049801., Registrované v: WOS
220. [1.1] VOROBYEV, Alexander - SHCHERBAKOV, Oleg - GAGARSKI, Alexei - VAL'SKI, Gennadi - KUZ'MINA, Tatiana. Experimental estimation of the "scission" neutron yield in the thermal neutron induced fission of U-233 and U-235. In ND 2019: INTERNATIONAL CONFERENCE ON NUCLEAR DATA FOR SCIENCE AND TECHNOLOGY. ISSN 2100-014X, 2020, vol. 239, 05008., Registrované v: WOS
221. [1.1] VOROBYEV, A. S. - GAGARSKI, A. M. - SHCHERBAKOV, O. A. - VAISHNENE, L. A. - BARABANOV, A. L. Angular distributions and anisotropy of the fragments from neutron-induced fission of U-233 and Bi-209 in the intermediate energy range of 1-200 MeV. In JETP LETTERS. ISSN 0021-3640, 2016, vol. 104, no. 6, pp. 365-373., Registrované v: WOS
222. [1.1] VOROBYEV, A. S. - GAGARSKI, A. M. - SHCHERBAKOV, O. A. - VAISHNENE, L. A. - BARABANOV, A. L. Angular Distributions and Anisotropy of the Fragments from Neutron-Induced Fission of Pu-239 and Pb-nat in the Energy Range of 1-200 MeV. In JETP LETTERS. ISSN 0021-3640, 2018, vol. 107, no. 9, pp. 521-526., Registrované v: WOS
223. [1.1] VOS, K. K. - WILSCHUT, H. W. - TIMMERMANS, R. G. E. Testing Lorentz invariance in orbital electron capture. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 91, no. 3, 038501., Registrované v: WOS
224. [1.1] VOYLES, Andrew S. - BERNSTEIN, Lee A. - BIRNBAUM, Eva R. - ENGLE, Jonathan W. - GRAVES, Stephen A. - KAWANO, Toshihiko - LEWIS, Amanda M. - NORTIER, Francois M. Excitation functions for (p,x) reactions of niobium in the energy range of E-p=40-90 MeV. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS. ISSN 0168-583X, 2018, vol. 429, pp. 53-74., Registrované v: WOS
225. [1.1] VOYLES, A. S. - BASUNIA, M. S. - BATCHELDER, J. C. - et al. Measurement of the Zn-64,Ti-47(n,p) cross sections using a DD neutron generator for medical isotope studies. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS. ISSN 0168-583X, 2017, vol. 410, pp. 230-239., Registrované v: WOS
226. [1.1] WANG, B. S. - NORMAN, E. B. - SCIELZO, N. D. - SMITH, A. R. - THOMAS, K. J. - WENDER, S. A. Cosmogenic-neutron activation of TeO₂ and implications for neutrinoless double-beta decay experiments. In PHYSICAL REVIEW C. ISSN 2469-9985, 2015, vol. 92, no. 2, 024620., Registrované v: WOS
227. [1.1] WIESCHER, M. - DEBOER, R. J. - GORRES, J. - et al. Low energy measurements of the B-10(p,α)Be-7 reaction. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 4, 044617., Registrované v: WOS
228. [1.1] WU, Yican. Multifunctional Neutronics Calculation Methodology and Program for Nuclear Design and Radiation Safety Evaluation.

- In FUSION SCIENCE AND TECHNOLOGY. ISSN 1536-1055, 2018, vol. 74, no. 4, pp. 321-329., Registrované v: WOS
229. [1.1] YAMBA, Kassoum - KALINOWSKI, Martin B. - SANOGO, Oumar. Nuclear event zero time determination using analytical solutions of radioxenon activities under in-growth condition. In APPLIED RADIATION AND ISOTOPES. ISSN 0969-8043, 2018, vol. 139, pp. 217-223., Registrované v: WOS
230. [1.1] YERRAGUNTALA, Santhi Sheela - NAIK, Haladhara - KARANTHA, Manjunatha - et al. Measurement and covariance analysis of Co-59(n, 2n)Co-58 reaction cross sections at the effective neutron energies of 11.98 and 15.75 MeV. In RADIOCHIMICA ACTA. ISSN 0033-8230, 2018, vol. 106, no. 11, pp. 877-884., Registrované v: WOS
231. [1.1] YOON, Do-Kun - NAGANAWA, Naotaka - KIMURA, Mitsuhiro - CHOI, Min-Geon - KIM, Moo-Sub - KIM, Yong-Jin - LAW, Martin Wai-Ming - DJENG, Shih-Kien - SHIN, Han-Back - CHOE, Bo-Young - SUH, Tae Suk. Application of proton boron fusion to proton therapy: Experimental verification to detect the alpha particles. In APPLIED PHYSICS LETTERS. ISSN 0003-6951, 2019, vol. 115, no. 22, 223701., Registrované v: WOS
232. [1.1] ZACCHIA, N. A. - BUCKLEY, K. R. - MARTINEZ, G. M. - RUTH, T. J. - MARTINEZ, D. M. - HOEHR, C. Understanding radionuclide production in gas target systems: the effect of adsorption on the target body. In PHYSICS IN MEDICINE AND BIOLOGY. ISSN 0031-9155, 2018, vol. 63, no. 19, 195009., Registrované v: WOS
233. [1.1] ZACCHIA, N. A. - UITTENBOSCH, T. - BUCKLEY, K. - RUTH, T. J. - MARTINEZ, D. M. - HOEHR, C. Modelling chemical kinetics in C-11 gas target systems towards a generalized production equation. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS. ISSN 0168-583X, 2019, vol. 456, pp. 133-141., Registrované v: WOS
234. [1.1] ZHANG, Y. - PANG, D. Y. - LOU, J. L. Optical model potential for deuteron elastic scattering with 1 p-shell nuclei. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 1, 014619., Registrované v: WOS
235. [1.1] ZOCHAR, Andrej - LENGAR, Igor - SNOJ, Luka. Analysis of water activation in fusion and fission nuclear facilities. In FUSION ENGINEERING AND DESIGN. ISSN 0920-3796, 2020, vol. 160, 111828., Registrované v: WOS

ADCA944 OU-YANG, W. - WEIS, Martin Jr. - MANAKA, T. - IWAMOTO, M. Study of relaxation process of dipalmitoyl phosphatidylcholine monolayers at air-water interface: Effect of electrostatic energy. In *Journal of Chemical Physics*, 2011, vol. 134, no. 15, 154709. (2010: 2.921 - IF, Q1 - JCR, 1.777 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents). ISSN 0021-9606. Dostupné na: <https://doi.org/10.1063/1.3581890>

Ohlasy:

1. [1.1] GIRI, R. P. - MUKHOPADHYAY, M. K. - BASAK, U. K. - CHAKRABARTI, A. - SANYAL, M. K. - RUNGE, B. - MURPHY, B. M. Continuous Uptake or Saturation-Investigation of Concentration and Surface-Packing-Specific Heroin Interaction with Lipid Membranes. In JOURNAL OF PHYSICAL CHEMISTRY B. ISSN 1520-6106, 2018, vol. 122,

no. 30, pp. 7547-7554., Registrované v: WOS

2. [1.1] PETELSKA, Aneta D. - NAUMOWICZ, Monika. The effect of divalent ions on L-alpha-phosphatidylcholine from egg yolk monolayers at the air/water interface. In JOURNAL OF BIOLOGICAL INORGANIC CHEMISTRY. ISSN 0949-8257, 2017, vol. 22, no. 8, pp. 1187-1195.,

Registrované v: WOS

3. [1.1] XU, Lu - ZUO, Yi Y. Reversible Phase Transitions in the Phospholipid Monolayer. In LANGMUIR. ISSN 0743-7463, 2018, vol. 34, no. 29, pp. 8694-8700., Registrované v: WOS

ADCA945 OŽVOLD, Milan - BOHÁČ, Vlastimil - GASPARIK, V. - LEGGIERI, G. - LUBY, Štefan - LUCHES, A. - MAJKOVÁ, Eva - MRAFKO, Peter. On optical band gap of semiconducting iron disilicide thin films. In *Thin Solid Films*, 1995, vol. 263, p. 92-98. (1994: 1.410 - IF, Current Contents - CCC). (1995 - Current Contents). ISSN 0040-6090.

Ohlasy:

1. [1.1] RAO, P.N. et al. Thermally induced interface changes. In THIN SOLID FILMS, 2015, vol. 589, p. 268-271., Registrované v: WOS

2. [1.1] SEN, S. et al. Synthesis and characterization of beta-phase iron silicide nano-particles by chemical reduction. In MATERIALS SCIENCE AND ENGINEERING B, 2015, vol. 200, p. 28-39., Registrované v: WOS

ADCA946 OŽVOLD, Milan - BOHÁČ, Vlastimil - GASPARIK, V. - LEGGIERI, G. - LUBY, Štefan - LUCHES, A. - MAJKOVÁ, Eva - MRAFKO, Peter. The optical band-gap of semiconducting iron disilicide thin-films. In *Thin Solid Films : international journal on the science and technology of Thin and Thick Films*, 1995, vol. 263, no. 1, p. 92-98. (1994: 1.410 - IF, Current Contents - CCC). (1995 - Current Contents). ISSN 0040-6090. Dostupné na: [https://doi.org/10.1016/0040-6090\(95\)06544-X](https://doi.org/10.1016/0040-6090(95)06544-X)

Ohlasy:

1. [1.1] SEN, Sabyasachi - GOGURLA, Narendar - BANERJI, Pallab - GUHA, Prasanta K. - PRAMANIK, Panchanan. Synthesis and characterization of beta-phase iron suicide nano-particles by chemical reduction. In MATERIALS SCIENCE AND ENGINEERING B-ADVANCED FUNCTIONAL SOLID-STATE MATERIALS. ISSN 0921-5107, 2015, vol. 200, pp. 28-39., Registrované v: WOS

ADCA947 OŽVOLD, Milan - GASPARIK, V. - DUBNIČKA, M. The temperature dependence of the direct gap of beta-FeSi₂ films. In *Thin Solid Films*, 1997, vol. 295, no. 1-2, p. 147-150. (1996: 1.320 - IF, Current Contents - CCC). (1997 - Current Contents). ISSN 0040-6090.

Ohlasy:

1. [1.1] SEN, Sabyasachi - GOGURLA, Narendar - BANERJI, Pallab - GUHA, Prasanta K. - PRAMANIK, Panchanan. Synthesis and characterization of beta-phase iron suicide nano-particles by chemical reduction. In MATERIALS SCIENCE AND ENGINEERING B-ADVANCED FUNCTIONAL SOLID-STATE MATERIALS. ISSN 0921-5107, 2015, vol. 200, pp. 28., Registrované v: WOS

ADCA948 PALAIA, Ivan - TRULSSON, Martin - ŠAMAJ, Ladislav - TRIZAC, Emmanuel**. A correlation-hole approach to the electric double layer with counter-ions only. In *Molecular Physics*, 2018, vol. 116, no. 21-22, p. 3134 - 3146. (2017: 1.704 - IF, Q3 - JCR, 0.680 - SJR, Q2 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 0026-8976. Dostupné na: <https://doi.org/10.1080/00268976.2018.1471234>

Ohlasy:

1. [1.1] BAKHSHANDEH, Amin. Theoretical investigation of a polarizable colloid in the salt medium. In *CHEMICAL PHYSICS*. ISSN 0301-0104, 2018, vol. 513, pp. 195-200., Registrované v: WOS
2. [1.1] DE SOUZA, J. Pedro - BAZANT, Martin Z. Continuum Theory of Electrostatic Correlations at Charged Surfaces. In *JOURNAL OF PHYSICAL CHEMISTRY C*. ISSN 1932-7447, 2020, vol. 124, no. 21, pp. 11414-11421., Registrované v: WOS
3. [1.1] FRUSAWA, Hiroshi. Ground-state correlation energy of counterions at a charged planar wall: Gibbs-Bogoliubov lower-bound approach. In *PHYSICS LETTERS A*. ISSN 0375-9601, 2020, vol. 384, no. 20, 126512., Registrované v: WOS
4. [1.1] FRUSAWA, Hiroshi. Transverse Density Fluctuations around the Ground State Distribution of Counterions near One Charged Plate: Stochastic Density Functional View. In *ENTROPY*, 2020, vol. 22, no. 1, 34., Registrované v: WOS
5. [1.1] ZHOU, S. Inter-surface effective electrostatic interactions in the presence of surface charge discreteness and solvent granularity. In *MOLECULAR PHYSICS*. ISSN 0026-8976, 2020, vol. 118, no. 23., Registrované v: WOS

ADCA949 PALOTÁS, Krisztián - MÁNDI, G. - SZUNYOGH, L. Enhancement of the spin transfer torque efficiency in magnetic STM junctions. In *Physical Review B*, 2016, vol. 94, no. 6, art. no. 064434. (2015: 3.718 - IF, Q1 - JCR, 2.377 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.94.064434>

Ohlasy:

1. [1.1] UKPONG, Aniekan Magnus. Tunable magnetotransport in Fe/hBN/graphene/hBN/Pt(Fe) epitaxial multilayers. In *JOURNAL OF PHYSICS D-APPLIED PHYSICS*. ISSN 0022-3727, 2018, vol. 51, no. 9, 095302., Registrované v: WOS

ADCA950 PALOTÁS, Krisztián**. High-resolution combined tunneling electron charge and spin transport theory of Neel and Bloch skyrmions. In *Physical Review B*, 2018, vol. 98, no. 9, 094409. (2017: 3.813 - IF, Q2 - JCR, 1.176 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.98.094409>

Ohlasy:

1. [1.1] STAVROU, Vasileios D. - KOUROUNIS, Drosos - DIMAKOPOULOS, Konstantinos - PANAGIOTOPOULOS, Ioannis - GERGIDIS, Leonidas N. Magnetic skyrmions in FePt nanoparticles having Reuleaux 3D geometry: a micromagnetic simulation study. In *NANOSCALE*. ISSN 2040-3364, 2019, vol. 11, no. 42, pp. 20102-20114., Registrované v: WOS

ADCA951 PALOTÁS, Krisztián** - RÓZSA, L. - SIMON, E. - UDVARDI, L. - SZUNYOGH, L. Spin-polarized scanning tunneling microscopy characteristics of skyrmionic spin structures exhibiting various topologies. In *Physical Review B*, 2017, vol. 96, no. 2, art. no. 024410. (2016: 3.836 - IF, Q2 - JCR, 2.339 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.96.024410>

Ohlasy:

1. [1.1] DUPE, Melanie - HEINZE, Stefan - SINOVA, Jairo - DUPE, Bertrand. Stability and magnetic properties of Fe double layers on Ir (111). In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2018, vol. 98, no. 22, 224415., Registrované v: WOS
2. [1.1] GERBER, A. Interpretation of experimental evidence of the topological Hall effect. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2018, vol. 98, no. 21, 214440., Registrované v: WOS
3. [1.1] CHEN, R. Y. - ZHANG, R. Q. - ZHOU, Y. J. - BAI, H. - PAN, F. - SONG, C. Magnetic field direction dependence of topological Hall effect like features in synthetic ferromagnetic and antiferromagnetic multilayers. In *APPLIED PHYSICS LETTERS*. ISSN 0003-6951, 2020, vol. 116, no. 24., Registrované v: WOS

ADCA952 PALOTÁS, Krisztián - BAKÓ, I. - BUGYI, L. Structural, electronic and adsorption properties of Rh(111)/Mo(110) bimetallic catalyst: A DFT study. In *Applied Surface Science*, 2016, vol. 389, p. 1094-1103. (2015: 3.150 - IF, Q1 - JCR, 0.890 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0169-4332. Dostupné na: <https://doi.org/10.1016/j.apsusc.2016.08.020>

Ohlasy:

1. [1.1] BARZAGA, Ransel - MARTINEZ, Javier A. - FARIAS, Mario H. - HERNANDEZ, Mayra P. From the Terrace Contraction to the Hexameric Sulfur Phase in the Au(100) Surface: A Combined Density Functional Theory and Scanning Tunneling Microscopy Study. In *JOURNAL OF PHYSICAL CHEMISTRY C*. ISSN 1932-7447, 2019, vol. 123, no. 19, pp. 12183-12194., Registrované v: WOS
2. [1.1] FANG, Lei - CHEN, Tao - MENG, Yue - WANG, Ying - XUE, Jilong - NI, Zheming - XIA, Shengjie. Water-gas shift reaction catalyzed by Au₃₂M₆ (M = Cu, Pt, Pd, Rh, Ir) core-shell nanoclusters: A density functional theory study. In *MOLECULAR CATALYSIS*. ISSN 2468-8231, 2020, vol. 483, 110757., Registrované v: WOS
3. [1.1] HAN, Bingying - LIN, Hao - LING, Lixia - LIU, Ping - FAN, Maohong - WANG, Baojun - ZHANG, Riguang. A DFT study on dimethyl oxalate synthesis over Pd-ML/Ni(111) and Pd-ML/Co(111) surfaces. In *APPLIED SURFACE SCIENCE*. ISSN 0169-4332, 2019, vol. 465, pp. 498-508., Registrované v: WOS
4. [1.1] PASTORCZAK, Ewa - CORMINBOEUF, Clemence. Perspective: Found in translation: Quantum chemical tools for grasping non-covalent interactions. In *JOURNAL OF CHEMICAL PHYSICS*. ISSN 0021-9606, 2017, vol. 146, no. 12, 120901., Registrované v: WOS
5. [1.1] QIAN MENG DAN - LUO WEI - NI ZHEMING - XIA SHENGJIE - XUE JILONG - JIANG JUNHUI. Comparative Study on the Properties and Adsorption of Furfural of Pd(111) Surface Before and After Ru Modification. In *CHEMICAL JOURNAL OF CHINESE*

UNIVERSITIES-CHINESE. ISSN 0251-0790, 2017, vol. 38, no. 9, pp. 1611-1618., Registrované v: WOS

6. [1.1] XIA SHENG-JIE - FANG LEI - QIAN MENG-DAN - MENG YUE - NI ZHE-MING. Adsorption and Decarbonylation Reaction of Furfural on the Pd(111) and M/Pd(111) (M = Ni, Cu and Ru) Surfaces. In CHINESE JOURNAL OF STRUCTURAL CHEMISTRY. ISSN 0254-5861, 2019, vol. 38, no. 2, pp. 211-223., Registrované v: WOS

7. [1.1] ZHANG, Jinhua - SHE, Yuanbin. Unveiling the decomposition mechanism of formic acid on Pd/WC(0001) surface by using density function theory. In CHINESE JOURNAL OF CATALYSIS. ISSN 0253-9837, 2020, vol. 41, no. 3, pp. 415-425., Registrované v: WOS

8. [1.1] ZHANG, Wenqing - ZHAO, Jun - ZHANG, Jian - CHEN, Xijie - ZHANG, Xin - YANG, Fengchun. Electronic Asymmetric Distribution of RhCu Bimetallic Nanocrystals for Enhancing Trifunctional Electrocatalysis. In ACS APPLIED MATERIALS & INTERFACES. ISSN 1944-8244, 2020, vol. 12, no. 9, pp. 10299-10306., Registrované v: WOS

9. [1.1] ZOTTI, Linda A. - SANVITO, Stefano - O'REGAN, David D. A simple descriptor for energetics at fcc-bcc metal interfaces. In MATERIALS & DESIGN. ISSN 0264-1275, 2018, vol. 142, pp. 158-165., Registrované v: WOS

ADCA953 PANDA, A.K. - KUMARI, S. - CHATTORAJ, I. - ŠVEC, Peter - MITRA, A. Effect of Fe addition on the crystallization behaviour and Curie temperature of CoCrSiB- based amorphous alloys. In *Philosophical Magazine*, 2005, vol. 85, no. 17, p. 1835-1845. Dostupné na: <https://doi.org/10.1080/14786430500098934>
Ohlasy:

1. [1.1] BAYRI, N. - KOLAT, V. S. - IZGI, T. - ATALAY, S. - GENCER, H. - SOVAK, P. Crystallisation Kinetics of Co_{75-x}M_xSi₁₅B₁₀ (M = Fe, Mn, Cr and x=0, 5) Amorphous Alloys. In ACTA PHYSICA POLONICA A. ISSN 0587-4246, 2016, vol. 129, no. 1, pp. 84-87., Registrované v: WOS

2. [1.1] HUANG, Dawei - LI, Yanhui - YANG, Yaping - ZHU, Zhengwang - ZHANG, Wei. Soft magnetic Co-based Co-Fe-B-Si-P bulk metallic glasses with high saturation magnetic flux density of over 1.2 T. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2020, vol. 843, 154862., Registrované v: WOS

ADCA954 PAPAIOANNOU, T.J. - ŠVEC, Peter - JANIČKOVIČ, Dušan - KARAGIANNI, C.S. - HRISTOFOROU, E. Phase transformations of Co-enhanced finement amorphous ribbons based on resistance-temperature measurements. In *Journal of Optoelectronics and Advanced Materials*, 2008. Vol. 10, no. 5, p. 1048-1051. ISSN 1454-4164.

Ohlasy:

1. [1.1] VASIC, Milica M. - ZAK, Tomas - PIZUROVA, Nadezda - ROUPCOVA, Pavla - MINIC, Dusan M. - MINIC, Dragica M. Thermally induced microstructural transformations and anti-corrosion properties of Co₇₀Fe₅Si₁₀B₁₅ amorphous alloy. In JOURNAL OF NON-CRYSTALLINE SOLIDS. ISSN 0022-3093, 2018, vol. 500, pp. 326-335., Registrované v: WOS

ADCA955 PARR, E.** - SMITH, J. F. - GREENLEES, P. T. - AURANEN, K. - BUTLER, P. A. - CHAPMAN, R. - COX, D. M. - CULLEN, D. M. - GAFFNEY, L. P. - GRAHN, T. - GREGOR, E. T. - GROCUIT, L. - HERZÁŇ, Andrej -

HERZBERG, R.-D. - HODGE, D. - JAKOBSSON, U. - JULIN, R. - JUUTINEN, S. - KEATINGS, J. - KONKI, J. - LEINO, M. - MCKEE, P. P. - MCPEAKE, C. - MENGONI, D. - MISTRY, A. K. - MULHOLLAND, K. F. - NARA SINGH, B. S. - O'NEILL, G. G. - PAKARINEN, J. - PAPADAKIS, P. - PARTANEN, J. - PEURA, P. - RAHKILA, P. - RUOTSALAINEN, P. - SANDZELIUS, M. - SARÉ, J. - SCHECK, M. - SCHOLEY, C. - SICILIANO, M. - SMOLEN, M. - SORRI, J. - SPAGNOLETTI, P. - SPOHR, K. M. - STOLZE, S. - TAYLOR, M. J. - UUSITALO, J. alpha-decay spectroscopy of the N=130 isotones Ra-218 and Th-220: Mitigation of alpha-particle energy summing with implanted nuclei. In *Physical Review C*, 2019, vol. 100, no. 4, 044323. (2018: 3.132 - IF, Q2 - JCR, 1.502 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.100.044323>

Ohlasy:

1. [1.1] SINGH, Sukhjeet - KUMAR, Sushil - SINGH, Balraj - JAIN, A. K. Nuclear radius parameters ($r(0)$) for even-even nuclei from alpha decay. In *NUCLEAR DATA SHEETS*. ISSN 0090-3752, 2020, vol. 167, pp. 1-35., Registrované v: WOS

ADCA956 PARR, E.** - PAGE, R.D. - JOSS, D.T. - ALI, F.A. - AURANEN, K. - CAPPONI, L. - GRAHN, T. - GREENLEES, P.T. - HENDERSON, J. - HERZÁŇ, Andrej - JAKOBSSON, U. - JULIN, R. - JUUTINEN, S. - KONKI, J. - LABICHE, M. - LEINO, M. - MASON, P.J.R. - MCPEAKE, C. - O'DONNELL, D. - PAKARINEN, J. - PAPADAKIS, P. - PARTANEN, J. - PEURA, P. - RAHKILA, P. - REVILL, J.P. - RUOTSALAINEN, P. - SANDZELIUS, M. - SARÉN, J. - SCHOLEY, C. - SIMPSON, J. - SMITH, J.F. - SMOLEN, M. - SORRI, J. - STOLZE, S. - THORNTHWAITE, A. - UUSITALO, J. Fine structure in the alpha decay of high-spin isomers in Lu-155 and Hf-156. In *Physical Review C*, 2018, vol. 98, no. 2, art. no. 024321. (2017: 3.304 - IF, Q2 - JCR, 1.443 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.98.024321>

Ohlasy:

1. [1.1] CLARK, R. M. - CRAWFORD, H. L. - MACCHIAVELLI, A. O. - RUDOLPH, D. - SAMARK-ROTH, A. - CAMPBELL, C. M. - CROMAZ, M. - FALLON, P. - MORSE, C. - SANTAMARIA, C. alpha decay of high-spin isomers in N=84 isotones. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 99, no. 2, 024325., Registrované v: WOS
2. [1.1] NICA, N. Nuclear Data Sheets for A=155. In *NUCLEAR DATA SHEETS*. ISSN 0090-3752, 2019, vol. 160, pp. 1-404., Registrované v: WOS
3. [1.1] QI, Chong - LIOTTA, Roberto - WYSS, Ramon. Recent developments in radioactive charged-particle emissions and related phenomena. In *PROGRESS IN PARTICLE AND NUCLEAR PHYSICS*. ISSN 0146-6410, 2019, vol. 105, pp. 214-251., Registrované v: WOS

ADCA957 PAVUK, M. - MIGLIERINI, M. - VUJTEK, M. - ZBORIL, R. - MASLAN, M. - ŠVEC, Peter. Surface morphology of Fe(79)Mo(8)Cu(1)B(12) ribbons characterised by atomic force microscopy. In *Reviews on Advanced Materials Science*, 2008, vol. 18, no. 2, p. 164-168. ISSN 1606-5131.

Ohlasy:

1. [1.1] MURUGAIYAN, Premkumar - BEDANTA, Subhankar - JENA, Sukanta Kumar - PANDA, Ashis K. - MITRA, Amitava - BYSAKH, Sandip - ROY, Rajat K. Crystallization and magnetic hardening behaviour of Fe-rich FeSiBNb(Cu) melt-spun alloys. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2020, vol. 502, 166528., Registrované v: WOS

ADCA958 PAWLOWSKI, P. - BRZYCHCZYK, J. - LEIFELS, Y. - TRAUTMANN, W. - ADRICH, P. - HLAVÁČ, Stanislav - VESELSKÝ, Martin. Neutron recognition in the LAND detector for large neutron multiplicity. In *Nuclear Instruments and Methods in Physics Research A. Accelerators, Spectrometers, Detectors and Associated Equipment*, 2012, vol. 694, p. 47-54. (2011: 1.207 - IF, Q2 - JCR, 0.956 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0168-9002. Dostupné na: <https://doi.org/10.1016/j.nima.2012.07.019>

Ohlasy:

1. [1.1] BEZBAKH, A. A. - BELOGUROV, S. G. - WOLSKI, R. - GAZEeva, E. M. - GOLOVKOV, M. S. - GORSHKOV, A. V. - KAMINSKI, G. - KOZLOV, M. Yu. - KRUPKO, S. A. - MUZALEVKY, I. A. - NIKOLSKII, E. Yu. - OVCHARENKO, E. V. - SLEPNEV, R. S. - TER-AKOPIAN, G. M. - FOMICHEV, A. S. - CHUDоба, V. - SHAROV, P. G. - SCHETININ, V. N. A Neutron Spectrometer for Experiments with Radioactive Beams on the ACCULINNA-2 Fragment Separator. In INSTRUMENTS AND EXPERIMENTAL TECHNIQUES. ISSN 0020-4412, 2018, vol. 61, no. 5, pp. 631-638., Registrované v: WOS

2. [1.1] GORBINET, Thomas - YORDANOV, Orlin - DUCRET, Jean-Eric - AUMANN, Thomas - AYYAD, Yassid - BIANCHIN, Sebastien - BORODINA, Olga - BOUDARD, Alain - CAESAR, Christoph - CASAREJOS, Enrique - CZECH, Bronislaw - HLAVAC, Stanislav - KLIMO, Josef - KURZ, Nikolaus - LANGER, Christoph - LE BLEIS, Tudy - LERAY, Sylvie - LUKASIK, Jerzy - MANCUSI, Davide - PAWLOWSKI, Piotr - PIETRI, Stephane - RAPPOLD, Christopher - SALSAC, Marie-Delphine - SIMON, Haik - VESELSKY, Martin. Study of the reaction mechanisms of Xe-136 + p and Xe-136+C-12 at 1 A GeV with inverse kinematics and large-acceptance detectors. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2019, vol. 55, no. 1, 11., Registrované v: WOS

ADCA959 PAWLUS, S. - BARTOŠ, Josef - ŠAUŠA, Ondrej - KRIŠTIAK, Jozef - PALUCH, M. Positronium annihilation lifetimes and dielectric spectroscopy studies on diethyl phthalate: Phenomenological correlations and microscopic analyses in terms of the extended free volume model by Cohen-Grest. In *Journal of Chemical Physics*, 2006, vol. 124, no. 10, 104505. (2005: 3.138 - IF, Q1 - JCR, 2.323 - SJR, Q1 - SJR). ISSN 0021-9606. Dostupné na: <https://doi.org/10.1063/1.2178808>

Ohlasy:

1. [1.1] DRYZEK, E. - JUSZYNSKA-GALAZKA, E. - ZALESKI, R. - JASINSKA, B. - EUSEBIO, M. E. S. Free volume in the smectic-E phase of 4-hexyl-4' isothiocyanatobiphenyl studied by positron annihilation spectroscopy. In PHYSICAL REVIEW E. ISSN 2470-0045, 2020, vol. 101, no. 2, 022705., Registrované v: WOS

- ADCA960 PINČÁK, Richard - BARTOŠ, Erik. With string model to time series forecasting. In *Physica A*, 2015, vol. 436, p. 135-146. (2014: 1.732 - IF, Q2 - JCR, 0.639 - SJR, Q2 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 0378-4371. Dostupné na: <https://doi.org/10.1016/j.physa.2015.05.013>
Ohlasy:
1. [1.1] ROUNAGHI, Mohammad Mandi - ZADEH, Farzaneh Nassir. Investigation of market efficiency and Financial Stability between S&P 500 and London Stock Exchange: Monthly and yearly Forecasting of Time Series Stock Returns using ARMA model. In *PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS*. ISSN 0378-4371, 2016, vol. 456, pp. 10-21., Registrované v: WOS
- ADCA961 PINČÍK, Emil - KOBAYASHI, H. - RUSNÁK, Jaroslav - TAKAHASHI, M. - BRUNNER, Róbert. About electrical properties of passivated SiO₂/Si structures prepared electro-chemically in HClO₄ solutions. In *Applied Surface Science*, 2013, vol. 269, p. 148-154. (2012: 2.112 - IF, Q1 - JCR, 0.913 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 0169-4332. Dostupné na: <https://doi.org/10.1016/j.apsusc.2012.10.053>
Ohlasy:
1. [1.1] STEGEMANN, Bert - GAD, Karim M. - BALAMOU, Patrice - SIXTENSSON, Daniel - VOESSING, Daniel - KASEMANN, Martin - ANGERMAN, Heike. Ultra-thin silicon oxide layers on crystalline silicon wafers: Comparison of advanced oxidation techniques with respect to chemically abrupt SiO₂/Si interfaces with low defect densities. In *APPLIED SURFACE SCIENCE*. ISSN 0169-4332, 2017, vol. 395, pp. 78-85., Registrované v: WOS
- ADCA962 PINČÍK, Emil** - BRUNNER, Róbert - KOBAYASHI, H. - MIKULA, M. - KUČERA, Michal - ŠVEC, Peter Jr. - GREGUŠ, J. - VOJTEK, P. - ZÁBUDLÁ, Z. - IMAMURA, K. - ZAHORAN, M.. About the optical properties of oxidized black silicon structures. In *Applied Surface Science*, 2017, vol. 395, p. 185-194. (2016: 3.387 - IF, Q1 - JCR, 0.958 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 0169-4332. Dostupné na: <https://doi.org/10.1016/j.apsusc.2016.05.035>
Ohlasy:
1. [1.1] SARDAR, Maryam - CHEN, Jun - ULLAH, Zaka - JELANI, Mohsan - TABASSUM, Aasma - CHENG, Ju - SUN, Yuxiang - LU, Jian. Multipulse nanosecond laser irradiation of silicon for the investigation of surface morphology and photoelectric properties. In *MATERIALS RESEARCH EXPRESS*. ISSN 2053-1591, 2017, vol. 4, no. 12, 125902., Registrované v: WOS
- ADCA963 PINČÍK, Emil - KOBAYASHI, Hikaru - RUSNÁK, Jaroslav - TAKAHASHI, Masao - MIKULA, M. - KIM, Woo Byoung - KUČERA, Michal - BRUNNER, Róbert - JUREČKA, S.. Passivation of Si-based structures in HCN and KCN solutions. In *Applied Surface Science*, 2012, vol. 258, p. 8397-8405. (2011: 2.103 - IF, Q1 - JCR, 0.908 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents). ISSN 0169-4332. Dostupné na: <https://doi.org/10.1016/j.apsusc.2012.02.121>

Ohlasy:

1. [1.1] GAD, K.M. - VOSSING, D. - BALAMOU, P. - HILLER, D. - STEGEMANN, B. - ANGERMANN, H. - KASEMANN, M. Improved Si/SiO_x interface passivation by ultra-thin tunneling oxide layers prepared by rapid thermal oxidation. In *APPLIED SURFACE SCIENCE*. OCT 30 2015, vol. 353, p. 1269-1276., Registrované v: WOS
2. [1.1] GAD, K.M. - VOSSING, D. - BALAMOU, P. - HILLER, D. - STEGEMANN, B. - ANGERMANN, H. - KASEMANN, M. High quality tunneling oxides for passivated contacts and heterojunctions for high efficiency silicon solar cells. In 2015 IEEE 42ND PHOTOVOLTAIC SPECIALIST CONFERENCE (PVSC). 2015., Registrované v: WOS
3. [1.2] Angermann, H., Laades, A., Kegel, J., Klimm, C., Stegemann, B. *Solid State Phenomena* 219 (2015) 291-296, Registrované v: SCOPUS

ADCA964 PINČÍK, Emil - KOBAYASHI, H. - BRUNNER, Róbert - TAKAHASHI, M. - YUEH-LING, Liu - ORTEGA, L. - IMAMURA, K. - JERGEL, Matej - RUSNÁK, Jaroslav. Passivation of defect states in Si-based and GaAs structures. In *Applied Surface Science*, 2008, vol. 254, no. 24, p. 8059-8066. ISSN 0169-4332.

Ohlasy:

1. [1.1] LLORET, Fernando - EON, David - BUSTARRET, Etienne - FIORI, Alexandre - ARAUJO, Daniel. Boron-Doping Proximity Effects on Dislocation Generation during Non-Planar MPCVD Homoepitaxial Diamond Growth. In *NANOMATERIALS*. ISSN 2079-4991, 2018, vol. 8, no. 7, 480., Registrované v: WOS
2. [1.1] PAPEZ, Nikola - SOBOLA, Dinara - SKVARENINA, Lubomir - SKARVADA, Pavel - HEMZAL, Dusan - TOFEL, Pavel - GRMELA, Lubomir. Degradation analysis of GaAs solar cells at thermal stress. In *APPLIED SURFACE SCIENCE*. ISSN 0169-4332, 2018, vol. 461, pp. 212-220., Registrované v: WOS

ADCA965 PINČÍK, Emil - KOBAYASHI, H. - TAKAHASHI, M. - FUJIWARA, N. - BRUNNER, Róbert - GLESKOVÁ, H. - JERGEL, Matej - MÜLLEROVÁ, J. - KUČERA, Michal - FALCONY, C. - ZEMAN, Milan - ORTEGA, L. - RUSNÁK, Jaroslav - MIKULA, M. - ZAHORAN, M. - JURÁNI, R. - KRÁL, M. Photoluminescence, structural and electrical properties of passivated a-Si:H based thin films and corresponding solar cells. In *Applied Surface Science*, 2004, vol. 235, p. 351-363. ISSN 0169-4332.

Ohlasy:

1. [1.2] MIKOLÁŠEK, Miroslav - RACKO, Juraj - HARMATHA, Ladislav. Analysis of low temperature output parameters for investigation of silicon heterojunction solar cells. In *Applied Surface Science*. ISSN 01694332, 2017-02-15, 395, pp. 166-171., Registrované v: SCOPUS

ADCA966 PINČÍK, Emil - KOBAYASHI, H. - MATSUMOTO, T. - TAKAHASHI, M. - MIKULA, M. - BRUNNER, Róbert. Properties of HfO₂/ultrathin SiO₂/Si structures and their comparison with Si MOS structures passivated in KCN solution. In *Applied Surface Science*, 2014, vol. 301, p. 34-39. (2013: 2.538 - IF, Q1 - JCR, 0.965 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents). ISSN 0169-4332. Dostupné na: <https://doi.org/10.1016/j.apsusc.2014.01.113>

Ohlasy:

1. [1.1] AHN, Seungjoon - KIM, Ho Seob - KIM, Dae-Wook - OH, Tae-Sik - HANG, Dong Hwan - AHN, Seong Joon. Effect of High-Pressure Annealing on ALD HfO₂/Si Interfacial Layer. In JOURNAL OF NANOELECTRONICS AND OPTOELECTRONICS. ISSN 1555-130X, 2016, vol. 11, no. 2, pp. 210-213., Registrované v: WOS

ADCA967 PINČÍK, Emil - BARTOŠ, P. - JERGEL, Matej - FALCONY, C. - BARTOŠ, Josef - KUČERA, Michal - KÁKOŠ, J. The metastability of porous silicon/crystalline silicon structure. In *Thin Solid Films*, 1999, vol. 343-344, p. 277-280. (1998: 1.020 - IF, Current Contents - CCC). (1999 - Current Contents). ISSN 0040-6090.

Ohlasy:

1. [1.2] SKRYSHEVSKY, Valeriy. Thermoluminescence of porous silicon. In Handbook of Porous Silicon: Second Edition, 2018-07-04, 1-2, pp. 473-486., Registrované v: SCOPUS

ADCA968 PÍSEČNÝ, Pavol - HUŠEKOVÁ, Kristína - FRÖHLICH, Karol - HARMATHA, L. - ŠOLTÝS, Ján - MACHAJDÍK, Daniel - ESPINOS, J.P. - JERGEL, Matej - JAKABOVIČ, J. Growth of lanthanum oxide films for application as a gate dielectric in CMOS technology. In *Materials science in semiconductor processing*, 2004, vol. 7, no. 4-6, p. 231-236. Dostupné na: <https://doi.org/10.1016/j.mssp.2004.09.020>

Ohlasy:

1. [1.1] ADOLE, Vishnu Ashok - PAWAR, Thansing Bhavsing - KOLI, Prashant Bhimrao - JAGDALE, Bapu Sonu. Exploration of catalytic performance of nano-La₂O₃ as an efficient catalyst for dihydropyrimidinone/thione synthesis and gas sensing. In JOURNAL OF NANOSTRUCTURE IN CHEMISTRY. ISSN 2008-9244, 2019, vol. 9, no. 1, pp. 61-76., Registrované v: WOS

2. [1.1] AL AKHRASS, G.A. - AMMAR, M. - EL-RASSY, H. - AL-GHOUL, M. Self-assembled lanthanum hydroxide microspheres within a reaction-diffusion framework: synthesis, characterization, control and application. In RSC ADVANCES. 2016, vol. 6, no. 5, p. 3433-3439., Registrované v: WOS

3. [1.1] BRACHETTI-SIBAJA, S.B. - RODIL, S.E. - DOMINGUEZ-CRESPO, M.A. - TORRES-HUERTA, A.M. - RODRIGUEZ, E. - LOPEZ-OYAMA, A.B. In THIN SOLID FILMS. AUG 31 2017, vol. 636, p. 615-621., Registrované v: WOS

4. [1.1] GANGWAR, Bhanu P. - IRUSTA, Silvia - SHARMA, Sudhanshu. Effect of Bi(3+) Ion Concentration on Physicochemical, Optical and Catalytic Properties of One-Pot Combustion Synthesized Nanocrystalline Bi-Doped La₂O₃. In CHEMISTRYSELECT. ISSN 2365-6549, 2020, vol. 5, no. 25, pp. 7548-7559., Registrované v: WOS

5. [1.1] GOH, K.H. - HASEEB, A.S.M.A. - WONG, Y.H. In MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING. SEP 2017, vol. 68, p. 302-315., Registrované v: WOS

6. [1.1] HARE, Bryan J. - MAITI, Debtanu - MEIER, Anne J. - BHETHANABOTLA, Venkat R. - KUHN, John N. CO₂ Conversion Performance of Perovskite Oxides Designed with Abundant Metals. In INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH. ISSN

- 0888-5885, 2019, vol. 58, no. 28, pp. 12551-12560., Registrované v: WOS
7. [1.1] MORANDI, Sara - MANZOLI, Maela - CHAN-THAW, Carine E. - BONELLI, Barbara - STUCCHI, Marta - PRATI, Laura - STOERMER, Heike - WANG, Wu - WANG, Di - PABEL, Michael - VILLA, Alberto. Unraveling the effect of ZrO₂ modifiers on the nature of active sites on AuRu/ZrO₂ catalysts for furfural hydrogenation. In SUSTAINABLE ENERGY & FUELS. ISSN 2398-4902, 2020, vol. 4, no. 3, pp. 1469-1480., Registrované v: WOS
8. [1.1] MOUSAVI-KANI, S.N. - BAHARI, A. - MORADINEDJAD, Z. In BULGARIAN CHEMICAL COMMUNICATIONS. 2015, vol. 47, no. 1, p. 80-84., Registrované v: WOS
9. [1.1] PANDEY, A. - JAIN, G. - VYAS, D. - IRUSTA, S. - SHARMA, S. In JOURNAL OF PHYSICAL CHEMISTRY C. JAN 12 2017, vol. 121, no. 1, p. 481-489., Registrované v: WOS
10. [1.1] YILMAZ, E. - KAYA, S. A Detailed Study on Zero-Bias Irradiation Responses of La₂O₃ MOS Capacitors. In IEEE TRANSACTIONS ON NUCLEAR SCIENCE. APR 2016, vol. 63, no. 2, 3, p. 1301-1305., Registrované v: WOS

ADCA969 PIVARČ, Juraj - LORENZ, R. - MATOUŠEK, Vladislav. Vacuum-system of the multipurpose 14 MEV neutron source in Bratislava design and status. In *Vacuum*, 1986, vol. 36, no. 7-9, p. 527-529. ISSN 0042-207X. Dostupné na: [https://doi.org/10.1016/0042-207X\(86\)90240-X](https://doi.org/10.1016/0042-207X(86)90240-X)

Ohlasy:

1. [1.1] WANG, Weitian - SONG, Yong - WANG, Jianye - XU, Peng - KONG, Lingli. A Novel Vacuum System Control Strategy for High Intensity D-T Fusion Neutron Generator. In JOURNAL OF FUSION ENERGY. ISSN 0164-0313, 2016, vol. 35, no. 4, pp. 613-620., Registrované v: WOS

ADCA970 PIVOLUSKA, Matej - HUBER, Marcus - MALIK, Mehul. Layered quantum key distribution. In *Physical Review A*, 2018, vol. 97, no. 3, 032312. (2017: 2.909 - IF, Q1 - JCR, 1.288 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.97.032312>

Ohlasy:

1. [1.1] GU, Xuemei - CHEN, Lijun - ZEILINGER, Anton - KRENN, Mario. Quantum experiments and graphs. III. High-dimensional and multiparticle entanglement. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 99, no. 3, 032338., Registrované v: WOS
2. [1.1] HU, Xiao-Min - XING, Wen-Bo - ZHANG, Chao - LIU, Bi-Heng - PIVOLUSKA, Matej - HUBER, Marcus - HUANG, Yun-Feng - LI, Chuan-Feng - GUO, Guang-Can. Experimental creation of multi-photon high-dimensional layered quantum states. In NPJ QUANTUM INFORMATION, 2020, vol. 6, no. 1, 88., Registrované v: WOS
3. [1.1] JOSHI, Siddarth Koduru - AKTAS, Djeylan - WENGEROWSKY, Soeren - LONCARIC, Martin - NEUMANN, Sebastian Philipp - LIU, Bo - SCHEID, Thomas - LORENZO, Guillermo Curras - SAMEC, Zeljko - KLINGL, Laurent - QIU, Alex - RAZAVI, Mohsen - STIPCVIC, Mario - RARITY, John G. - URSIN, Rupert. A trusted node-free eight-user metropolitan quantum communication network. In SCIENCE ADVANCES.

- ISSN 2375-2548, 2020, vol. 6, no. 36, eaba0959., Registrované v: WOS
4. [1.1] JO, Yonggi - PARK, Hee Su - LEE, Seung-Woo - SON, Wonmin. Efficient High-Dimensional Quantum Key Distribution with Hybrid Encoding. In ENTROPY. ISSN 1099-4300, 2019, vol. 21, no. 1, 80., Registrované v: WOS
 5. [1.1] MURTA, Glaucia - GRASSELLI, Federico - KAMPERMANN, Hermann - BRUSS, Dagmar. Quantum Conference Key Agreement: A Review. In ADVANCED QUANTUM TECHNOLOGIES, 2020, vol. 3, no. 11, 2000025., Registrované v: WOS
 6. [1.1] TORUN, Gokhan - YILDIZ, Ali. Deterministic transformations of three-qubit entangled pure states. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 2, 022320., Registrované v: WOS
 7. [1.1] YAMASAKI, Hayata - PIRKER, Alexander - MURAO, Mio - DUER, Wolfgang - KRAUS, Barbara. Multipartite entanglement outperforming bipartite entanglement under limited quantum system sizes. In PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 98, no. 5, 052313., Registrované v: WOS
 8. [1.1] YANG, Zhi-Bo - LIU, Jin-Song - JIN, Hua - ZHU, Qing-Hao - ZHU, Ai-Dong - LIU, Hong-Yu - MING, Ying - YANG, Rong-Can. Entanglement enhanced by Kerr nonlinearity in a cavity-optomagnonics system. In OPTICS EXPRESS. ISSN 1094-4087, 2020, vol. 28, no. 21, pp. 31862-31871., Registrované v: WOS
 9. [1.1] YANG, Zhi-Bo - YANG, Rong-Can - LIU, Hong-Yu. Generation of optical-photon-and-magnon entanglement in an optomagnonics-mechanical system. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2020, vol. 19, no. 8, 264., Registrované v: WOS
 10. [1.1] ZHANG, Kejia - MA, Chunguang - SUN, Zhiwei - ZHANG, Xue - ZHOU, Baomin - WANG, Yukun. Privacy-Preserving Decision Protocols Based on Quantum Oblivious Key Distribution. In CMC-COMPUTERS MATERIALS & CONTINUA. ISSN 1546-2218, 2020, vol. 64, no. 3, pp. 1915-1928., Registrované v: WOS
 11. [1.1] ZHANG, Xiao-Hao - YAN, Xing-Yu - WANG, Yun-Qian - GONG, Li-Hua. Tripartite Layered Quantum Key Distribution Scheme with a Symmetrical Key Structure. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2020, vol. 59, no. 2, pp. 562-573., Registrované v: WOS

ADCA971 PIVOLUSKA, Matej - PAWLOWSKI, M. - PLESCH, Martin. Tight bound on the classical value of generalized Clauser-Horne-Shimony-Holt games. In *Physical Review A*, 2016, vol. 94, no. 2, art. no. 022338. (2015: 2.765 - IF, Q1 - JCR, 1.747 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.94.022338>

Ohlasy:

1. [1.1] VERBANIS, Ephanielle - MARTIN, Anthony - HOULMANN, Raphael - BOSO, Gianluca - BUSSIERES, Felix - ZBINDEN, Hugo. 24-Hour Relativistic Bit Commitment. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2016, vol. 117, no. 14, 140506., Registrované v: WOS
2. [1.1] ZHANG, Ming. What quantum technology will bring to our

daily life? In 2017 CHINESE AUTOMATION CONGRESS (CAC), 2017, pp. 2281-2286., Registrované v: WOS

ADCA972 PIVOLUSKA, M. - PLESCH, Martin. An explicit classical strategy for winning a CHSH game. In *New Journal of Physics*, 2016, vol. 18, art. no. 025013. (2015: 3.570 - IF, Q1 - JCR, 2.330 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1367-2630. Dostupné na: <https://doi.org/10.1088/1367-2630/18/2/025013>

Ohlasy:

1. [1.1] LIU, Bo-Yang - DAI, Hong-Yi - ZHANG, Ming. Playing distributed two-party quantum games on quantum networks. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2017, vol. 16, no. 12, UNSP 290., Registrované v: WOS
2. [1.1] PIRONIO, S. - SCARANI, V. - VIDICK, T. Focus on device independent quantum information. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2016, vol. 18, 100202., Registrované v: WOS
3. [1.1] ROSICKA, M. - RAMANATHAN, R. - GNACINSKI, P. - HORODECKI, K. - HORODECKI, M. - HORODECKI, P. - SEVERINI, S. Linear game non-contextuality and Bell inequalities-a graph-theoretic approach. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2016, vol. 18, 045020., Registrované v: WOS
4. [1.1] ZHANG, Ming. What quantum technology will bring to our daily life? In 2017 CHINESE AUTOMATION CONGRESS (CAC), 2017, pp. 2281-2286., Registrované v: WOS

ADCA973 PLÁVALA, Martin - ZIMAN, Mário. Popescu-Rohrlich box implementation in general probabilistic theory of processes. In *Physics Letters A. General Atomic and Solid State Physics*, 2020, vol. 384, no. 16, 126323. (2019: 2.278 - IF, Q2 - JCR, 0.513 - SJR, Q2 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 0375-9601. Dostupné na: <https://doi.org/10.1016/j.physleta.2020.126323>

Ohlasy:

1. [1.1] YOSHIDA, Yuuya - ARAI, Hayato - HAYASHI, Masahito. Perfect Discrimination in Approximate Quantum Theory of General Probabilistic Theories. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2020, vol. 125, no. 15, 150402., Registrované v: WOS

ADCA974 PLESCH, Martin - DAHLSTEN, O. - GOOLD, J. - VEDRAL, V. Comment on "Quantum Szilard Engine". In *Physical Review Letters*, 2013, vol. 111, no. 18, 188901. (2012: 7.943 - IF, Q1 - JCR, 6.292 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.111.188901>

Ohlasy:

1. [1.1] ABOU JAOUDE, Abdo. The paradigm of complex probability and Ludwig Boltzmann's entropy. In SYSTEMS SCIENCE & CONTROL ENGINEERING. ISSN 2164-2583, 2018, vol. 6, no. 1, pp. 108-149., Registrované v: WOS
2. [1.1] ALONSO, J. L. - CASTRO, A. - CLEMENTE-GALLARDO, J. - CUCHI, J. C. - ECHENIQUE, P. - ESTEVE, J. G. - FALCETO, F. Nonextensive thermodynamic functions in the Schrodinger-Gibbs ensemble. In PHYSICAL REVIEW E. ISSN 2470-0045, 2015, vol. 91, no. 2, 022137.,

Registrované v: WOS

3. [1.1] DIAZ DE LA CRUZ, Jose M. - ANGEL MARTIN-DELGADO, Miguel. Enhanced Energy Distribution for Quantum Information Heat Engines. In ENTROPY. ISSN 1099-4300, 2016, vol. 18, no. 9, 335., Registrované v: WOS

4. [1.1] DIAZDELACRUZ, Jose - ANGEL MARTIN-DELGADO, Miguel. Quantum Information Remote Carnot Engines and Voltage Transformers. In ENTROPY. ISSN 1099-4300, 2019, vol. 21, no. 2, 127., Registrované v: WOS

5. [1.1] DIAZDELACRUZ, Jose. Entropy Distribution in a Quantum Informational Circuit of Tunable Szilard Engines. In ENTROPY, 2019, vol. 21, no. 10, 980., Registrované v: WOS

6. [1.1] DIAZDELACRUZ, Jose. Quantum Relative Entropy of Tagging and Thermodynamics. In ENTROPY, 2020, vol. 22, no. 2, 138., Registrované v: WOS

7. [1.1] JEON, Hee Joon - KIM, Sang Wook. Optimal work of the quantum Szilard engine under isothermal processes with inevitable irreversibility. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2016, vol. 18, 043002., Registrované v: WOS

8. [1.1] PARK, Minho - YI, Su Do - BAEK, Seung Ki. Quantum isothermal reversible process of particles in a box with a delta potential. In JOURNAL OF THE KOREAN PHYSICAL SOCIETY. ISSN 0374-4884, 2015, vol. 66, no. 5, pp. 739-743., Registrované v: WOS

9. [1.1] SHI, Yun-Hao - SHI, Hai-Long - WANG, Xiao-Hui - HU, Ming-Liang - LIU, Si-Yuan - YANG, Wen-Li - FAN, Heng. Quantum coherence in a quantum heat engine. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2020, vol. 53, no. 8, 085301., Registrované v: WOS

ADCA975 PLESCH, Martin - NOVOTNÝ, J. - DZURÁKOVÁ, Z. - BUŽEK, Vladimír. Controlling bi-partite entanglement in multi-qubit systems. In *Journal of Physics A: Mathematical and Theoretical*, 2004, vol. 37, no. 5, p. 1843-1859. (2004 - Current Contents). ISSN 1751-8113. Dostupné na: <https://doi.org/10.1088/0305-4470/37/5/025>

Ohlasy:

1. [1.1] ANTICOLI, Linda - GHAHI, Masoud Gharahi. Modeling tripartite entanglement in quantum protocols using evolving entangled hypergraphs. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION. ISSN 0219-7499, 2018, vol. 16, no. 7, 1850055., Registrované v: WOS

2. [1.1] GHAHI, Masoud Gharahi - AKHTARSHENAS, Seyed Javad. Entangled graphs: a classification of four-qubit entanglement. In EUROPEAN PHYSICAL JOURNAL D. ISSN 1434-6060, 2016, vol. 70, no. 3, 54., Registrované v: WOS

ADCA976 PLESCH, Martin - PIVOLUSKA, M. Device-independent randomness amplification with a single device. In *Physics Letters A*, 2014, vol. 378, no. 40, p. 2938-2944. (2013: 1.626 - IF, Q2 - JCR, 0.631 - SJR, Q2 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 0375-9601. Dostupné na: <https://doi.org/10.1016/j.physleta.2014.08.007>

Ohlasy:

1. [1.1] HERRERO-COLLANTES, Miguel - CARLOS GARCIA-ESCARTIN, Juan. Quantum random number generators. In *REVIEWS OF MODERN PHYSICS*. ISSN 0034-6861, 2017, vol. 89, no. 1, 015004., Registrované v: WOS
2. [1.1] MARTIN, Anthony - SANGUINETTI, Bruno - LIM, Charles Ci Wen - HOULMANN, Raphael - ZBINDEN, Hugo. Quantum Random Number Generation for 1.25-GHz Quantum Key Distribution Systems. In *JOURNAL OF LIGHTWAVE TECHNOLOGY*. ISSN 0733-8724, 2015, vol. 33, no. 13, pp. 2855-2859., Registrované v: WOS
3. [1.1] RAMANATHAN, Ravishankar - BRANDAO, Fernando G. S. L. - HORODECKI, Karol - HORODECKI, Michal - HORODECKI, Pawel - WOJEWODKA, Hanna. Randomness Amplification under Minimal Fundamental Assumptions on the Devices. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2016, vol. 117, no. 23, 230501., Registrované v: WOS

ADCA977 PLESCH, Martin - BUŽEK, Vladimír. Efficient compression of quantum information. In *Physical Review A*, 2010, vol. 81, no. 3, 032317. (2009: 2.866 - IF, Q2 - JCR, 2.469 - SJR, Q1 - SJR, Current Contents - CCC). (2010 - Current Contents). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.81.032317>

Ohlasy:

1. [1.1] BAI, Ge - YANG, Yuxiang - CHIRIBELLA, Giulio. Quantum compression of tensor network states. In *NEW JOURNAL OF PHYSICS*. ISSN 1367-2630, 2020, vol. 22, no. 4, 043015., Registrované v: WOS
2. [1.1] DENG, Y. - LUO, M. X. - MA, S. Y. Efficient Quantum Information Processing via Quantum Compressions. In *INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS*. ISSN 0020-7748, 2016, vol. 55, no. 1, pp. 212-231., Registrované v: WOS
3. [1.1] HUANG, Chang-Jiang - MA, Hailan - YIN, Qi - TANG, Jun-Feng - DONG, Daoyi - CHEN, Chunlin - XIANG, Guo-Yong - LI, Chuan-Feng - GUO, Guang-Can. Realization of a quantum autoencoder for lossless compression of quantum data. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2020, vol. 102, no. 3, 032412., Registrované v: WOS
4. [1.1] CHIRIBELLA, G. - YANG, Y. - HUANG, C. Universal Superreplication of Unitary Gates. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2015, vol. 114, no. 12, 120504., Registrované v: WOS
5. [1.1] PALSSON, Matthew S. - GU, Mile - HO, Joseph - WISEMAN, Howard M. - PRYDE, Geoff J. Experimentally modeling stochastic processes with less memory by the use of a quantum processor. In *SCIENCE ADVANCES*. ISSN 2375-2548, 2017, vol. 3, no. 2, e1601302., Registrované v: WOS
6. [1.1] SINGH, Ashmeet - CARROLL, Sean M. Quantum decimation in Hilbert space: Coarse graining without structure. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2018, vol. 97, no. 3, 032111., Registrované v: WOS
7. [1.1] YANG, Yuxiang - BAI, Ge - CHIRIBELLA, Giulio - HAYASHI, Masahito. Compression for quantum population coding. In *2017 IEEE INTERNATIONAL SYMPOSIUM ON INFORMATION THEORY (ISIT)*, 2017, pp. 1973-1977., Registrované v: WOS
8. [1.1] YANG, Yuxiang - BAI, Ge - CHIRIBELLA, Giulio - HAYASHI, Masahito. Compression for Quantum Population Coding. In *IEEE*

TRANSACTIONS ON INFORMATION THEORY. ISSN 0018-9448, 2018, vol. 64, no. 7, pp. 4766-4783., Registrované v: WOS

9. [1.1] YANG, Yuxiang - CHIRIBELLA, Giulio - EBLER, Daniel. Efficient Quantum Compression for Ensembles of Identically Prepared Mixed States. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2016, vol. 116, no. 8, 080501., Registrované v: WOS

10. [1.1] YANG, Yuxiang - CHIRIBELLA, Giulio - HAYASHI, Masahito. Optimal Compression for Identically Prepared Qubit States. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2016, vol. 117, no. 9, 090502., Registrované v: WOS

11. [1.1] YANG, Yuxiang - CHIRIBELLA, Giulio - HAYASHI, Masahito. Quantum stopwatch: how to store time in a quantum memory. In PROCEEDINGS OF THE ROYAL SOCIETY A-MATHEMATICAL PHYSICAL AND ENGINEERING SCIENCES. ISSN 1364-5021, 2018, vol. 474, no. 2213, 20170773., Registrované v: WOS

12. [1.1] YANG, Yuxiang - RENNER, Renato - CHIRIBELLA, Giulio. Optimal Universal Programming of Unitary Gates. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2020, vol. 125, no. 21, 210501., Registrované v: WOS

13. [1.1] ZOUFAL, Christa - LUCCHI, Aurelien - WOERNER, Stefan. Quantum Generative Adversarial Networks for learning and loading random distributions. In NPJ QUANTUM INFORMATION, 2019, vol. 5, 103., Registrované v: WOS

ADCA978 PLESCH, Martin - BUŽEK, Vladimír. Entangled graphs. II. Classical correlations in multiqubit entangled systems. In *Physical Review A*, 2003, vol. 68, no. 1, 012313. ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.68.012313>

Ohlasy:

1. [1.1] KALAGA, J. K. - KOWALEWSKA-KUDLASZYK, A. - LEONSKI, W. - BARASINSKI, A. Quantum correlations and entanglement in a model comprised of a short chain of nonlinear oscillators. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 94, no. 3, 032304., Registrované v: WOS

ADCA979 PLESCH, Martin - BUŽEK, Vladimír. Entangled graphs: Bipartite entanglement in multiqubit systems. In *Physical Review A*, 2003, vol. 67, no. 1, 012322. ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.67.012322>

Ohlasy:

1. [1.1] ANTICOLI, Linda - GHAHI, Masoud Gharahi. Modeling tripartite entanglement in quantum protocols using evolving entangled hypergraphs. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION. ISSN 0219-7499, 2018, vol. 16, no. 7, 1850055., Registrované v: WOS

2. [1.1] ASSADI, Leila - JAFARPOUR, Mojtaba. Classification of 4-qubit Entangled Graph States According to Bipartite Entanglement, Multipartite Entanglement and Non-local Properties. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2016, vol. 55, no. 11, pp. 4809-4821., Registrované v: WOS

3. [1.1] CAO, Huan - RADHAKRISHNAN, Chandrashekar - SU, Ming - ALI, Md Manirul - ZHANG, Chao - HUANG, Yun-Feng - BYRNES, Tim - LI, Chuang-Feng - GUO, Guang-Can. Fragility of quantum correlations and coherence in a multipartite photonic system. In PHYSICAL REVIEW A. ISSN 1050-2947, 2020, vol. 102, no. 1, 012403., Registrované v: WOS
4. [1.1] COHEN, E. - HANSEN, T. - ITZHAKI, N. From entanglement witness to generalized Catalan numbers. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2016, vol. 6, 30232., Registrované v: WOS
5. [1.1] GHAHI, Masoud Gharahi - AKHTARSHENAS, Seyed Javad. Entangled graphs: a classification of four-qubit entanglement. In EUROPEAN PHYSICAL JOURNAL D. ISSN 1434-6060, 2016, vol. 70, no. 3, 54., Registrované v: WOS
6. [1.1] CHO, Jaeyoon - KIM, Kun Woo. Quantum Phase Transition and Entanglement in Topological Quantum Wires. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2017, vol. 7, 2745., Registrované v: WOS
7. [1.1] JAFARPOUR, Mojtaba - ASSADI, Leila. Multipartite entanglement in four-qubit graph states. In EUROPEAN PHYSICAL JOURNAL D. ISSN 1434-6060, 2016, vol. 70, no. 3, 62., Registrované v: WOS
8. [1.1] KALAGA, J. K. - KOWALEWSKA-KUDLASZYK, A. - LEONSKI, W. - BARASINSKI, A. Quantum correlations and entanglement in a model comprised of a short chain of nonlinear oscillators. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 94, no. 3, 032304., Registrované v: WOS
9. [1.1] LOPEZ-ROSA, Sheila - XU, Zhen-Peng - CABELLO, Adan. Maximum nonlocality in the (3,2,2) scenario. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 94, no. 6, 062121., Registrované v: WOS
10. [1.1] PAUL, Biswajit - MUKHERJEE, Kaushiki. Shareability of quantum steering and its relation with entanglement. In PHYSICAL REVIEW A. ISSN 2469-9926, 2020, vol. 102, no. 5, 052209., Registrované v: WOS
11. [1.1] QU, Ri - SHANG, Bing-jian - WANG, Juan - BAO, Yan-ru - LI, Zong-shang - MA, Yi-ping - SONG, Da-wei. Bipartite entanglement and hypergraph states. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2015, vol. 14, no. 2, pp. 547-558, Registrované v: WOS

ADCA980 PLESCH, Martin - BRUKNER, C. Quantum-state preparation with universal gate decompositions. In *Physical Review A*, 2011, vol. 83, no. 3, 032302. (2010: 2.861 - IF, Q1 - JCR, 2.400 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.83.032302>

Ohlasy:

1. [1.1] BLANK, Carsten - PARK, Daniel K. - RHEE, June-Koo Kevin - PETRUCCIONE, Francesco. Quantum classifier with tailored quantum kernel. In NPJ QUANTUM INFORMATION, 2020, vol. 6, no. 1, 41., Registrované v: WOS
2. [1.1] DE BRUGIERE, Timothee Goubault - BABOULIN, Marc - VALIRON, Benoit - ALLOUCHE, Cyril. Quantum circuits synthesis using Householder transformations. In COMPUTER PHYSICS COMMUNICATIONS. ISSN 0010-4655, 2020, vol. 248, 107001., Registrované v: WOS
3. [1.1] DI, Yao-Min - WEI, Hai-Rui - CAO, Ya - LIU, Li - ZHOU,

- Chun-Hong. Entangling capability of multivalued bipartite gates and optimal preparation of multivalued bipartite quantum states. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2015, vol. 14, no. 6, pp. 1997-2012., Registrované v: WOS
4. [1.1] FILLION-GOURDEAU, Francois - MACLEAN, Steve - LAFLAMME, Raymond. Algorithm for the solution of the Dirac equation on digital quantum computers. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 95, no. 4, 042343., Registrované v: WOS
 5. [1.1] CHEN, Chih-Chieh - SHIAU, Shiue-Yuan - WU, Ming-Feng - WU, Yuh-Renn. Hybrid classical-quantum linear solver using Noisy Intermediate-Scale Quantum machines. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2019, vol. 9, 16251., Registrované v: WOS
 6. [1.1] ITEN, Raban - COLBECK, Roger - KUKULJAN, Ivan - HOME, Jonathan - CHRISTANDL, Matthias. Quantum circuits for isometries. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 93, no. 3, 032318., Registrované v: WOS
 7. [1.1] ITEN, Raban - COLBECK, Roger - CHRISTANDL, Matthias. Quantum circuits for quantum channels. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 95, no. 5, 052316., Registrované v: WOS
 8. [1.1] KLCO, Natalie - SAVAGE, Martin J. Minimally entangled state preparation of localized wave functions on quantum computers. In PHYSICAL REVIEW A. ISSN 1050-2947, 2020, vol. 102, no. 1, 012612., Registrované v: WOS
 9. [1.1] LEMR, Karel - BARTKIEWICZ, Karol - CERNOCH, Antonn - DUSEK, Miloslav - SOUBUSTA, Jan. Experimental Implementation of Optimal Linear-Optical Controlled-Unitary Gates. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 114, no. 15, 153602., Registrované v: WOS
 10. [1.1] LEYMANN, Frank - BARZEN, Johanna - FALKENTHAL, Michael - VIETZ, Daniel - WEDER, Benjamin - WILD, Karoline. Quantum in the Cloud: Application Potentials and Research Opportunities. In PROCEEDINGS OF THE 10TH INTERNATIONAL CONFERENCE ON CLOUD COMPUTING AND SERVICES SCIENCE (CLOSER), 2020, pp. 9-24., Registrované v: WOS
 11. [1.1] LEYMANN, Frank - BARZEN, Johanna. The bitter truth about gate-based quantum algorithms in the NISQ era. In QUANTUM SCIENCE AND TECHNOLOGY. ISSN 2058-9565, 2020, vol. 5, no. 4, 044007., Registrované v: WOS
 12. [1.1] LI, Tong - ZHANG, Shibin - XIA, Jinyue. Quantum Generative Adversarial Network: A Survey. In CMC-COMPUTERS MATERIALS & CONTINUA. ISSN 1546-2218, 2020, vol. 64, no. 1, pp. 401-438., Registrované v: WOS
 13. [1.1] LUO, Ming-Xing - MA, Song-Ya - DENG, Yun - WANG, Xiaojun. Deterministic generations of quantum state with no more than six qubits. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2015, vol. 14, no. 3, pp. 901-920., Registrované v: WOS
 14. [1.1] LU, Sirui - DUAN, Lu-Ming - DENG, Dong-Ling. Quantum adversarial machine learning. In PHYSICAL REVIEW RESEARCH, 2020, vol. 2, no. 3, 033212., Registrované v: WOS
 15. [1.1] PARK, Daniel K. - SINAYSKIY, Ilya - FINGERHUTH, Mark - PETRUCCIONE, Francesco - RHEE, June-Koo Kevin. Parallel quantum

- trajectories via forking for sampling without redundancy. In *NEW JOURNAL OF PHYSICS*. ISSN 1367-2630, 2019, vol. 21, 083024., Registrované v: WOS
16. [1.1] SCHULD, Maria - BOCHAROV, Alex - SVORE, Krysta M. - WIEBE, Nathan. Circuit-centric quantum classifiers. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2020, vol. 101, no. 3, 032308., Registrované v: WOS
17. [1.1] SCHULD, Maria - PETRUCCIONE, Francesco. Information Encoding. In *SUPERVISED LEARNING WITH QUANTUM COMPUTERS*, 2018, pp. 139-171., Registrované v: WOS
18. [1.1] SMITH, R. S. - PETERSON, E. C. - SKILBECK, M. G. - DAVIS, E. J. An open-source, industrial-strength optimizing compiler for quantum programs. In *QUANTUM SCIENCE AND TECHNOLOGY*. ISSN 2058-9565, 2020, vol. 5, no. 4, 044001., Registrované v: WOS
19. [1.1] STAMATOPOULOS, Nikitas - EGGER, Daniel J. - SUN, Yue - ZOUFAL, Christa - ITEN, Raban - SHEN, Ning - WOERNER, Stefan. Option Pricing using Quantum Computers. In *QUANTUM*. ISSN 2521-327X, 2020, vol. 4., Registrované v: WOS
20. [1.1] TACCHINO, Francesco - MACCHIAVELLO, Chiara - GERACE, Dario - BAJONI, Daniele. An artificial neuron implemented on an actual quantum processor. In *NPJ QUANTUM INFORMATION*. ISSN 2056-6387, 2019, vol. 5, 26., Registrované v: WOS
21. [1.1] TACCHINO, Francesco - BARKOUTSOS, Panagiotis - MACCHIAVELLO, Chiara - et al. Quantum implementation of an artificial feed-forward neural network. In *QUANTUM SCIENCE AND TECHNOLOGY*, 2020, vol. 5, no. 4, 044010., Registrované v: WOS
22. [1.1] URIAS, Jesus - QUINONES, Diego A. Householder methods for quantum circuit design. In *CANADIAN JOURNAL OF PHYSICS*. ISSN 0008-4204, 2016, vol. 94, no. 2, pp. 150-157., Registrované v: WOS
23. [1.1] WANG, Dong-Sheng. Convex decomposition of dimension-altering quantum channels. In *INTERNATIONAL JOURNAL OF QUANTUM INFORMATION*. ISSN 0219-7499, 2016, vol. 14, no. 8, 1650045., Registrované v: WOS

ADCA981 PLESCH, Martin** - BADIN, Matej - RUŽIČKOVÁ, Natália. The International Young Physicists' Tournament 2017. In *European Journal of Physics*, 2018, vol. 39, no. 6, art. no. 064003. (2017: 0.642 - IF, Q4 - JCR, 0.337 - SJR, Q3 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 0143-0807.

Dostupné na: <https://doi.org/10.1088/1361-6404/aaa889>

Ohlasy:

1. [1.1] FU, Xinghong. An analysis in the non-inertial frame: ball in a rotating tube and the Taylor column. In *EUROPEAN JOURNAL OF PHYSICS*. ISSN 0143-0807, 2020, vol. 41, no. 4, 045806., Registrované v: WOS
2. [1.1] FU, Xinghong. Dynamic trajectory and parametric resonance in coupled pendulum-beam system. In *AMERICAN JOURNAL OF PHYSICS*. ISSN 0002-9505, 2020, vol. 88, no. 8, pp. 625-639., Registrované v: WOS

ADCA982 PLESCH, Martin - PAWLOWSKI, Marcin - PIVOLUSKA, Matej. 1-out-of-2 Oblivious transfer using flawed Bit-string quantum protocol. In *Physical Review A*, 2017, vol. 95, no. 4, art. no. 042324. (2016: 2.925 - IF, Q1 - JCR, 1.482 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 1050-2947.

Dostupné na: <https://doi.org/10.1103/PhysRevA.95.042324>

Ohlasy:

1. [1.1] HE, Guang-Ping. Coherent attacks on a practical quantum oblivious transfer protocol. In CHINESE PHYSICS B. ISSN 1674-1056, 2018, vol. 27, no. 10, 100308., Registrované v: WOS

ADCA983 PLEVA, M.** - GRANČIČ, B. - MIKULA, Marian - TRUCHLÝ, M. - ROCH, T. - SATRAPINSKY, L. - GREGOR, M. - ĎURINA, P. - GIRMAN, V. - ŠVEC, Peter Jr. - PLECENIK, A. - KÚŠ, P. Thermal stability of amorphous Ti-B-Si-N coatings with variable Si/B concentration ratio. In *Surface and coatings technology*, 2018, vol. 333, p. 52-60. (2017: 2.906 - IF, Q1 - JCR, 0.928 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 0257-8972. Dostupné na: <https://doi.org/10.1016/j.surfcoat.2017.10.063>

Ohlasy:

1. [1.1] DING, Ji Cheng - LEE, Damin - MEI, Haijuan - ZHANG, Teng Fei - KANG, Myung Chang - WANG, Qi Min - KIM, Kwang Ho. Influence of Si addition on structure and properties of TiB₂-Si nanocomposite coatings deposited by high-power impulse magnetron sputtering. In CERAMICS INTERNATIONAL. ISSN 0272-8842, 2019, vol. 45, no. 5, pp. 6363-6372., Registrované v: WOS
2. [1.1] RYABCHIKOV, Alexander - SIVIN, Denis O. - DEKTYAREV, Sergey - SHEVELEV, Alexey E. Formation of repetitively pulsed high-intensity, low-energy silicon ion beams. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, 2020, vol. 953, 163092., Registrované v: WOS
3. [1.1] SANGIOVANNI, D. G. Inherent toughness and fracture mechanisms of refractory transition-metal nitrides via density-functional molecular dynamics. In ACTA MATERIALIA, 2018, vol. 151, pp. 11-20, Registrované v: WOS
4. [1.1] SANGIOVANNI, D. G. - MEI, A. B. - EDSTROM, D. - et al. Effects of surface vibrations on interlayer mass transport: Ab initio molecular dynamics investigation of Ti adatom descent pathways and rates from TiN/TiN(001) islands. In PHYSICAL REVIEW B, 2018, vol. 97, no. 3, 035406., Registrované v: WOS

ADCA984 PLEVACHUK, Yu.** - SKLYARCHUK, V. - ŠVEC, Peter - ŠVEC, Peter Jr. - JANIČKOVIČ, Dušan - ILLEKOVÁ, Emília - YAKYMOVYCH, A. Thermophysical structure-sensitive properties of Tin-Zinc alloys. In *Journal of Materials Science. Materials in Electronics*, 2017, vol. 28, no. 1, p. 750-759. (2016: 2.019 - IF, Q2 - JCR, 0.469 - SJR, Q2 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 0957-4522. Dostupné na: <https://doi.org/10.1007/s10854-016-5586-y>

Ohlasy:

1. [1.1] DOBOSZ, Alexandra - GANCARZ, Tomasz. Density, surface tension and viscosity of Ga-Sn eutectic based alloys with Zn additions. In JOURNAL OF MOLECULAR LIQUIDS. ISSN 0167-7322, 2018, vol. 264, pp. 600-606., Registrované v: WOS
2. [1.1] DOBOSZ, Alexandra - GANCARZ, Tomasz. Reference Data for the Density, Viscosity, and Surface Tension of Liquid Al-Zn, Ag-Sn, Bi-Sn, Cu-Sn, and Sn-Zn Eutectic Alloys. In JOURNAL OF PHYSICAL AND

CHEMICAL REFERENCE DATA. ISSN 0047-2689, 2018, vol. 47, no. 1, 013102., Registrované v: WOS

3. [1.1] PSTRUS, J. THE ROLE OF PHYSICO-CHEMICAL PROPERTIES OF LIQUID SOLDER IN REACTIVE WETTING: THE Cu/SnZnIn SYSTEM. In JOURNAL OF MINING AND METALLURGY SECTION B-METALLURGY. ISSN 1450-5339, 2017, vol. 53, no. 3, pp. 309-318., Registrované v: WOS

ADCA985 PLEVACHUK, Y. - SKLYARCHUK, V. - YAKYMOVYCH, A. - ŠVEC, Peter - JANIČKOVIČ, Dušan - ILLEKOVÁ, Emília. Electrical conductivity and viscosity of liquid Sn-Sb-Cu alloys. In *Journal of Materials Science*, 2011, vol. 22, no. 6, p. 631-638. (2010: 0.927 - IF, Q3 - JCR, 0.575 - SJR, Q2 - SJR, Current Contents - CCC). (2011 - Current Contents, SCOPUS). ISSN 0957-4522. Dostupné na: <https://doi.org/10.1007/s10854-010-0188-6>

Ohlasy:

1. [1.1] LI, Qian - LIN, Ju - LIU, Tianying - ZHENG, Han - LIU, Jing. Printed flexible thin-film transistors based on different types of modified liquid metal with good mobility. In *SCIENCE CHINA-INFORMATION SCIENCES*. ISSN 1674-733X, 2019, vol. 62, no. 10, 202403., Registrované v: WOS
2. [1.1] LI, Qian - LIU, Jing. Combined Printing of Highly Aligned Single-Walled Carbon Nanotube Thin Films with Liquid Metal for Direct Fabrication of Functional Electronic Devices (Retracted article. See vol. 7, 2021). In *ADVANCED ELECTRONIC MATERIALS*. ISSN 2199-160X, 2020, vol. 6, no. 9, 2000537., Registrované v: WOS
3. [1.1] MLADENOVIC, S. - MANASIJEVIC, D. - MALUCKOV, B. - MARKOVIC, I. - MARJANOVIC, S. - ZIVKOVIC, D. Solidification properties and microstructure investigation of the as-cast Sn-rich alloys of the Sn-Sb-Zn ternary system. In *KOVOVE MATERIALY-METALLIC MATERIALS*. ISSN 0023-432X, 2016, vol. 54, no. 3, pp. 211-218., Registrované v: WOS
4. [1.1] WANG, Xuelin - LIU, Jing. Recent Advancements in Liquid Metal Flexible Printed Electronics: Properties, Technologies, and Applications. In *MICROMACHINES*. ISSN 2072-666X, 2016, vol. 7, no. 12, 206., Registrované v: WOS
5. [1.1] WU, Min - LI, Jinquan. Estimation of the Viscosities of Liquid Sn-Based Binary Lead-Free Solder Alloys. In *JOURNAL OF ELECTRONIC MATERIALS*. ISSN 0361-5235, 2018, vol. 47, no. 1, pp. 155-161., Registrované v: WOS
6. [1.1] WU, Min - LV, Bailin. Prediction of viscosity of ternary tin-based lead-free solder melt using BP neural network. In *SOLDERING & SURFACE MOUNT TECHNOLOGY*. ISSN 0954-0911, 2020, vol. 32, no. 3, pp. 173-180., Registrované v: WOS

ADCA986 PLEVACHUK, Y. - SKLYARCHUK, V. - YAKYMOVYCH, A. - ŠVEC, Peter - JANIČKOVIČ, Dušan - ILLEKOVÁ, Emília. Thermophysical properties of liquid silver-Bismuth-Tin alloys. In *Journal of Materials Engineering and Performance*, 2012, vol. 21, no. 5, p. 585-589. (2011: 0.855 - IF, Q3 - JCR, 0.535 - SJR, Q2 - SJR, Current Contents - CCC). (2012 - Current Contents). ISSN 1059-9495. Dostupné na: <https://doi.org/10.1007/s11665-012-0157-8>

Ohlasy:

1. [1.1] MAKHLAICHUK, V. N. KINEMATIC SHEAR VISCOSITY

OF LIQUID ALKALINE METALS. In UKRAINIAN JOURNAL OF PHYSICS. ISSN 2071-0186, 2017, vol. 62, no. 8, pp. 672-678., Registrované v: WOS
2. [1.1] MALOMUZH, N. P. - MAKHLAICHUK, V. N. Theory of Self-Diffusion in Liquid Metals. In RUSSIAN METALLURGY. ISSN 0036-0295, 2019, no. 8, pp. 750-757., Registrované v: WOS

ADCA987 PRIMA, F. - TOMUT, M. - STONE, I.C. - CANTOR, B. - JANIČKOVIČ, Dušan - VLASÁK, Gabriel - ŠVEC, Peter. In situ resistometric investigation of phase transformations in rapidly solidified Al-based alloys containing dispersed nanoscale particles. In *Materials Science and Engineering A - Structural Materials Properties Microstructure and Processing*, 2004, vol. 375-377, p. 772-775. (2003: 1.363 - IF, Current Contents - CCC). (2004 - Current Contents, WOS, SCOPUS). ISSN 0921-5093. Dostupné na: <https://doi.org/10.1016/j.msea.2003.10.264>

Ohlasy:

1. [1.1] BYAKOVA, O. - VLASOV, A. O. - SCHERETSKIY, O. A. - YURKOVA, O. THE ROLE OF TECHNOLOGICAL PROCESS IN STRUCTURAL PERFORMANCES OF QUASI-CRYSTALLINE AL-FE-CR ALLOY. In USPEKHI FIZIKI METALLOV-PROGRESS IN PHYSICS OF METALS. ISSN 1608-1021, 2020, vol. 21, no. 4, pp. 499-526., Registrované v: WOS

2. [1.1] GALANO, M. - MARSH, A. - AUDEBERT, F. - XU, W. - RAMUNDO, M. Nanoquasicrystalline Al-based matrix/gamma-Al₂O₃ nanocomposites. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2015, vol. 643, S99-S106., Registrované v: WOS

3. [1.1] CHLUPOVA, Alice - CHLUP, Zdenek - KRUMML, Tomas. Fatigue properties and microstructure of quasicrystalline AlFeCrTi alloy. In INTERNATIONAL JOURNAL OF FATIGUE. ISSN 0142-1123, 2016, vol. 91, pp. 251-256., Registrované v: WOS

ADCA988 PRIPUTEN, P. - ČERNÍČKOVÁ, I. - LAJČEK, P. - JANIČKOVIČ, Dušan - JANOVEC, J. A partial isothermal section at 1000 C of Al-Mn-Fe phase diagram in Vicinity of Taylor phase and decagonal quasicrystal. In *Journal of Phase Equilibria and Diffusion*, 2016, vol. 37, no. 2, p. 130-134. (2015: 0.784 - IF, Q3 - JCR, 0.363 - SJR, Q2 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 1547-7037. Dostupné na: <https://doi.org/10.1007/s11669-015-0432-0>

Ohlasy:

1. [1.1] WALNSCH, Alexander - KRIEGL, Mario J. - FABRICHNAYA, Olga - LEINWEBER, Andreas. Thermodynamic assessment and experimental investigation of the systems Al-Fe-Mn and Al-Fe-Mn-Ni. In CALPHAD-COMPUTER COUPLING OF PHASE DIAGRAMS AND THERMOCHEMISTRY. ISSN 0364-5916, 2019, vol. 66, no., pp., Registrované v: WOS

ADCA989 PRIPUTEN, P. - KUSY, M. - DRIENOVSKY, M. - JANIČKOVIČ, Dušan - ČIČKA, R. - CERNICKOVA, I. - JANOVEC, J. Experimental reinvestigation of Al-Co phase diagram in vicinity of Al₁₃Co₄ family of phases. In *Journal of Alloys and Compounds*, 2015, vol. 647, p. 486-497. (2014: 2.999 - IF, Q1 - JCR, 1.117 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 0925-8388. Dostupné na: <https://doi.org/10.1016/j.jallcom.2015.05.248>

Ohlasy:

1. [1.1] GAUDRY, E. - CHATELIER, C. - MCGUIRK, G. M. - SERKOVIC LOLI, L. N. - DE WEERD, M.C. - LEDIEU, J. - FOURNEE, V. - FELICI, R. - DRNEC, J. - BEUTIER, G. - DE BOISSIEU, M. Structure of the Al₁₃Co₄(100) surface: Combination of surface x-ray diffraction and ab initio calculations. In PHYSICAL REVIEW B. ISSN 2469-9950, 2016, vol. 94, no. 16, 165406., Registrované v: WOS
2. [1.1] OSTROWSKA, Marlena - CACCIAMANI, Gabriele. Critical evaluation and thermodynamic modeling of the Al-Co-Fe system. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2019, vol. 794, pp. 553-568., Registrované v: WOS
3. [1.1] WOLF, W. - BOLFARINI, C. - KIMINAMI, C. S. - BOTTA, W. J. Assessment of phase constitution on the Al-rich region of rapidly solidified Al-Co-Fe-Cr alloys. In MATERIALS CHARACTERIZATION. ISSN 1044-5803, 2016, vol. 122, pp. 76-82., Registrované v: WOS

ADCA990 PRIPUTEN, P. - KUSÝ, M. - KRIŠKA, M. - LIPKA, R. - ILLEKOVÁ, Emília - ŠVEC, Peter - BURŠÍK, J. - SVOBODA, M. - DOLINŠEK, J. - JANOVEC, J. Characterization of phases in complex metallic alloys Al₇₃Mn_{27-x}Fe_x (x=2, 4 and 6). In *Intermetallics*, 2009, vol. 17, no. 12, p. 1047-1051. ISSN 0966-9795. Dostupné na: <https://doi.org/10.1016/j.intermet.2009.05.012>

Ohlasy:

1. [1.1] BALANETSKYY, S. - PAVLYUCHKOV, D. - VELIKANOVA, T. - GRUSHKO, B. The Al-rich region of the Al-Fe-Mn alloy system. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2015, vol. 619, pp. 211-220., Registrované v: WOS
2. [1.1] NEMATİ, Narguess - EMAMY, Masoud - PENKOV, Oleksiy V. - KIM, Jaekang - KIM, Dae-Eun. Mechanical and high temperature wear properties of extruded Al composite reinforced with Al₁₃Fe₄ CMA nanoparticles. In MATERIALS & DESIGN. ISSN 0264-1275, 2016, vol. 90, pp. 532-544., Registrované v: WOS
3. [1.1] WALNSCH, Alexander - KRIEGER, Mario J. - FABRICHNAYA, Olga - LEINEWEBER, Andreas. Thermodynamic assessment and experimental investigation of the systems Al-Fe-Mn and Al-Fe-Mn-Ni. In CALPHAD-COMPUTER COUPLING OF PHASE DIAGRAMS AND THERMOCHEMISTRY. ISSN 0364-5916, 2019, vol. 66, UNSP 101621., Registrované v: WOS
4. [1.1] ZHENG, Weisen - MAO, Huahai - LU, Xiao-Gang - HE, Yanlin - LI, Lin - SELLEBY, Malin - AGREN, John. Thermodynamic investigation of the Al-Fe-Mn system over the whole composition and wide temperature ranges. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2018, vol. 742, pp. 1046-1057., Registrované v: WOS
5. [1.1] ZOLRIASATEIN, Ashkan - SHOKUHFAR, Ali. Size effect on the melting temperature depression of Al₁₂Mg₁₇ complex metallic alloy nanoparticles prepared by planetary ball milling. In PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES. ISSN 1386-9477, 2015, vol. 74, pp. 101-107., Registrované v: WOS
6. [1.1] ZOLRIASATEIN, Ashkan - SHOKUHFAR, Ali. Homogenizing annealing heat treatment effects on the microstructure, hardness and thermal

behavior of Al₁₂Mg₁₇ complex metallic alloy. In MATERIALS & DESIGN. ISSN 0261-3069, 2015, vol. 75, pp. 17-23., Registrované v: WOS

ADCA991 PRITYCHENKO, B. - BĚTÁK, Emil - SINGH, B. - TOTANS, J. Nuclear science references database. In *Nuclear Data Sheets*, 2014, vol. 120, p. 291-293. (2013: 3.353 - IF, Q1 - JCR, 1.761 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents). ISSN 0090-3752. Dostupné na: <https://doi.org/10.1016/j.nds.2014.07.070>

Ohlasy:

1. [1.1] AURANEN, K. - MCCUTCHAN, E. A. Nuclear Data Sheets for A=212. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2020, vol. 168, pp. 117-267., Registrované v: WOS
2. [1.1] BAGLIN, Coral M. - MCCUTCHAN, E. A. Nuclear Data Sheets for A=171. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2018, vol. 151, pp. 334-718., Registrované v: WOS
3. [1.1] BAGLIN, C. M. - MCCUTCHAN, E. A. - BASUNIA, S. - BROWNE, E. Nuclear Data Sheets for A=170. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2018, vol. 153, pp. 1-494., Registrované v: WOS
4. [1.1] BASUNIA, M. Shamsuzzoha. Nuclear Data Sheets for A=22. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2015, vol. 127, pp. 69-190., Registrované v: WOS
5. [1.1] BASUNIA, M. Shamsuzzoha. Nuclear Data Sheets for A=59. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2018, vol. 151, pp. 1-333., Registrované v: WOS
6. [1.1] BASUNIA, M. S. - HURST, A. M. Nuclear Data Sheets for A=26. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2016, vol. 134, pp. 1-148., Registrované v: WOS
7. [1.1] BASU, S. K. - MCCUTCHAN, E. A. Nuclear Data Sheets for A=90*/>. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2020, vol. 165, pp. 1-329., Registrované v: WOS
8. [1.1] CHEN, Jun. Nuclear Data Sheets for A=39*. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2018, vol. 149, pp. 1-251., Registrované v: WOS
9. [1.1] KONDEV, F. G. Nuclear Data Sheets for A=177. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2019, vol. 159, pp. 1-412., Registrované v: WOS
10. [1.1] KONDEV, F. G. Nuclear Data Sheets for A=205*. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2020, vol. 166, pp. 1-230., Registrované v: WOS
11. [1.1] KONDEV, F. G. - JUUTINEN, S. - HARTLEY, D. J. Nuclear Data Sheets for A=188. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2018, vol. 150, pp. 1-364., Registrované v: WOS
12. [1.1] LALKOVSKI, S. - TIMAR, J. - ELEKES, Z. Nuclear Data Sheets for A=105. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2019, vol. 161, pp. 1-353., Registrované v: WOS
13. [1.1] MCCUTCHAN, E. A. Nuclear Data Sheets for A=180. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2015, vol. 126, pp. 151-372., Registrované v: WOS
14. [1.1] MCCUTCHAN, E. A. Nuclear Data Sheets for A=136. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2018, vol. 152, pp. 331-667.,

Registrované v: WOS

15. [1.1] NESARAJA, C. D. - MCCUTCHAN, E. A. Nuclear Data Sheets for A=41. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2016, vol. 133, pp. 1-219., Registrované v: WOS

16. [1.1] NICA, N. Nuclear Data Sheets for A=157. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2016, vol. 132, pp. 1-256., Registrované v: WOS

17. [1.1] NICA, N. Nuclear Data Sheets for A=140. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2018, vol. 154, pp. 1-403., Registrované v: WOS

18. [1.1] NICA, N. Nuclear Data Sheets for A=155. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2019, vol. 160, pp. 1-404., Registrované v: WOS

19. [1.1] NICA, N. Nuclear Data Sheets for A=153. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2020, vol. 170, pp. 1-498., Registrované v: WOS

20. [1.1] ZHANG, Wenwu - LIU, Zhen - YANG, Yang - DU, Shiyu. Revisiting alpha decay-based near-light-speed particle propulsion. In APPLIED RADIATION AND ISOTOPES. ISSN 0969-8043, 2016, vol. 114, pp. 14-18., Registrované v: WOS

ADCA992 PRITYCHENKO, B. - BĚTÁK, Emil - KELLETT, M.A. - SINGH, B. - TOTANS, J. The nuclear science references (NSR) database and web retrieval system. In *Nuclear Instruments and Methods in Physics Research A*, 2011, vol. 640, no. 1, p. 213-218. (2010: 1.142 - IF, Q2 - JCR, 0.894 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 0168-9002. Dostupné na: <https://doi.org/10.1016/j.nima.2011.03.018>

Ohlasy:

1. [1.1] ATAR, L. - PASCHALIS, S. - BARBIERI, C. - et al. Quasifree (p, 2p) Reactions on Oxygen Isotopes: Observation of Isospin Independence of the Reduced Single-Particle Strength. In PHYSICAL REVIEW LETTERS, 2018, vol. 120, no. 5, 052501., Registrované v: WOS

2. [1.1] BARNES, Jennifer - KASEN, Daniel - WU, Meng-Ru - MARTINEZ-PINEDO, Gabriel. RADIOACTIVITY AND THERMALIZATION IN THE EJECTA OF COMPACT OBJECT MERGERS AND THEIR IMPACT ON KILONOVA LIGHT CURVES. In ASTROPHYSICAL JOURNAL. ISSN 0004-637X, 2016, vol. 829, no. 2, 110., Registrované v: WOS

3. [1.1] BATCHELDER, J. C. Recommended values for beta(+)-delayed proton and alpha emission. In ATOMIC DATA AND NUCLEAR DATA TABLES. ISSN 0092-640X, 2020, vol. 132, 101323., Registrované v: WOS

4. [1.1] BERNSTEIN, Lee A. - BROWN, David A. - KONING, Arjan J. - REARDEN, Bradley T. - ROMANO, Catherine E. - SONZOGNI, Alejandro A. - VOYLES, Andrew S. - YOUNES, Walid. Our Future Nuclear Data Needs. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 69. ISSN 0163-8998, 2019, vol. 69, pp. 109-136., Registrované v: WOS

5. [1.1] CABALLERO-FOLCH, R. et al. First Measurement of Several beta-Delayed Neutron Emitting Isotopes Beyond N=126. In PHYSICAL REVIEW LETTERS, 2016, vol. 117, 012501., Registrované v: WOS

6. [1.1] COILING, Bethany - BATISTONI, P. - BRADNAM, S. C. - et al. Testing of tritium breeder blanket activation foil spectrometer during JET

- operations. In FUSION ENGINEERING AND DESIGN. ISSN 0920-3796, 2018, vol. 136, SI, pp. 258-264., Registrované v: WOS
7. [1.1] DOWIE, J. T. H. - KIBEDI, T. - ERIKSEN, T. K. - STUCHBERY, A. E. Table of electronic factors for E0 electron and electron-positron pair conversion transitions. In ATOMIC DATA AND NUCLEAR DATA TABLES. ISSN 0092-640X, 2020, vol. 131, 101283., Registrované v: WOS
8. [1.1] DUMAZERT, J. - COULON, R. - LECOMTE, Q. - BERTRAND, G. H. V. - HAMEL, M. Gadolinium for neutron detection in current nuclear instrumentation research: A review. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, 2018, vol. 882, pp. 53-68., Registrované v: WOS
9. [1.1] DUMAZERT, J. - COULON, R. - CORRE, G. - HAMEL, M. - LECOMTE, Q. - KONDRASOV, V. - DEHE-PITTANCE, C. - BERTRAND, G. H. V. - BOURBOTTE, J.M. - GARTI, S. - WOO, R. Advancements in Gd-based neutron detection: gamma-gamma coincidence approach. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, 2020, vol. 954, 161199., Registrované v: WOS
10. [1.1] CHEN, Jun. Nuclear Data Sheets for A=38. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2018, vol. 152, pp. 1-330., Registrované v: WOS
11. [1.1] CHO, Jongmin - WANG, Min - GONZALEZ-LEPERA, Carlos - MAWLAWI, Osama - CHO, Sang Hyun. Development of bimetallic (Zn@Au) nanoparticles as potential PET-imageable radiosensitizers. In MEDICAL PHYSICS. ISSN 0094-2405, 2016, vol. 43, no. 8, pp. 4775-4788., Registrované v: WOS
12. [1.1] KING, Garrett B. - ANDREOLI, Lorenzo - PASTORE, Saori - PIARULLI, Maria. Weak Transitions in Light Nuclei. In FRONTIERS IN PHYSICS. ISSN 2296-424X, 2020, vol. 8, 363., Registrované v: WOS
13. [1.1] KING, G. B. - ANDREOLI, L. - PASTORE, S. - PIARULLI, M. - SCHIAVILLA, R. - WIRINGA, R. B. - CARLSON, J. - GANDOLFI, S. Chiral effective field theory calculations of weak transitions in light nuclei. In PHYSICAL REVIEW C. ISSN 2469-9985, 2020, vol. 102, no. 2, 025501., Registrované v: WOS
14. [1.1] MCCUTCHAN, E. A. Nuclear Data Sheets for A=83. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2015, vol. 125, pp. 201-393., Registrované v: WOS
15. [1.1] MERTZIMEKIS, T. J. - STAMOU, K. - PSALTIS, A. An online database of nuclear electromagnetic moments. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, 2016, vol. 807, pp. 56-60., Registrované v: WOS
16. [1.1] MOUGEOT, X. Improved calculations of electron capture transitions for decay data and radionuclide metrology. In APPLIED RADIATION AND ISOTOPES. ISSN 0969-8043, 2018, vol. 134, SI, pp.

225-232., Registrované v: WOS

17. [1.1] NESARAJA, C. D. Nuclear Data Sheets for A=241. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2015, vol. 130, pp. 183-252., Registrované v: WOS

18. [1.1] NICA, N. Nuclear Data Sheets for A=157. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2016, vol. 132, pp. 1-256., Registrované v: WOS

19. [1.1] NICA, N. Nuclear Data Sheets for A=140. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2018, vol. 154, pp. 1-403., Registrované v: WOS

20. [1.1] NICA, N. Nuclear Data Sheets for A=155. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2019, vol. 160, pp. 1-404., Registrované v: WOS

21. [1.1] NICA, N. Nuclear Data Sheets for A=153. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2020, vol. 170, pp. 1-498., Registrované v: WOS

22. [1.1] PRATT, Edwin C. - SHAFFER, Travis M. - ZHANG, Qize - et al. Nanoparticles as multimodal photon transducers of ionizing radiation. In NATURE NANOTECHNOLOGY. ISSN 1748-3387, 2018, vol. 13, no. 5, pp. 418-+, Registrované v: WOS

23. [1.1] SCOVELL, P. R. - MEEHAN, E. - ARAUJO, H. M. - et al. Low-background gamma spectroscopy at the Boulby Underground Laboratory. In ASTROPARTICLE PHYSICS. ISSN 0927-6505, 2018, vol. 97, pp. 160-173., Registrované v: WOS

24. [1.1] SINGH, Balraj - BASUNIA, M. S. - MARTIN, Murray - MCCUTCHAN, E. A. - BALA, Indu - CABALLERO-FOLCH, R. - CANAVAN, Rhiann - CHAKRABARTI, Ritwika - CHEKHOVSKA, A. - GRINDER, M. M. - KAIM, Samra - KANJILAL, Debasmita - KASPEROVYCH, D. - KOBRA, M. J. - KOURA, H. - NANDI, Soumen - OLACEL, Adina - SINGH, Abhilasha - TEE, B. P. E. Nuclear Data Sheets for A=218. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2019, vol. 160, pp. 405-471., Registrované v: WOS

25. [1.1] SOTI, Zsolt - MAGILL, Joseph - DREHER, Raymond. Karlsruhe Nuclide Chart New 10th edition 2018. In EPJ NUCLEAR SCIENCES & TECHNOLOGIES. ISSN 2491-9292, 2019, vol. 5, 6., Registrované v: WOS

26. [1.1] STONE, N. J. Table of nuclear electric quadrupole moments. In ATOMIC DATA AND NUCLEAR DATA TABLES. ISSN 0092-640X, 2016, vol. 111, pp. 1-28., Registrované v: WOS

27. [1.1] WITT, W. - WERNER, V - PIETRALLA, N. - et al. Sub-shell closure and shape coexistence in the transitional nucleus Zr-98. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 4, 041302., Registrované v: WOS

ADCA993 PUCHAŁA, Zbigniew - JENČOVÁ, Anna - SEDLÁK, Michal - ZIMAN, Mário. Exploring boundaries of quantum convex structures : Special role of unitary processes. In *Physical Review A*, 2015, vol. 92, no. 1, art. no. 12304. (2014: 2.808 - IF, Q1 - JCR, 2.201 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.92.012304>

Ohlasy:

1. [1.1] ANDERSSON, Ole - BENGTSSON, Ingemar. CLIFFORD TORI AND UNBIASED VECTORS. In REPORTS ON MATHEMATICAL PHYSICS. ISSN 0034-4877, 2017, vol. 79, no. 1, p. 33-51., Registrované v: WOS
2. [1.1] SPERLING, J. - WALMSLEY, I. A. Quasiprobability representation of quantum coherence. In PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 97, no. 6, 062327., Registrované v: WOS

ADCA994 PUSSI, K. - FERRALIS, N. - MIHALKOVIČ, Marek - WIDOM, M. - CURTAROLO, S. - GIERER, M. - JENKS, C.J. - CANFIELD, P. - FISHER, I.R. - DIEHL, R.D. Use of periodic approximants in a dynamical LEED study of the quasicrystalline tenfold surface of decagonal Al-Ni-Co. In *Physical Review B : condensed matter and materials physics*, 2006, vol. 73, no. 18, 184203. (2005: 3.185 - IF, Q1 - JCR, 2.126 - SJR, Q1 - SJR, Current Contents - CCC). (2006 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.73.184203>

Ohlasy:

1. [1.1] YANG, Kesong - OSES, Corey - CURTAROLO, Stefano. Modeling Off-Stoichiometry Materials with a High-Throughput Ab-Initio Approach. In CHEMISTRY OF MATERIALS. ISSN 0897-4756, 2016, vol. 28, no. 18, pp. 6484-6492., Registrované v: WOS

ADCA995 QUANG, T. - KNIGHT, P.L. - BUŽEK, Vladimír. Quantum collapses and revivals in an optical cavity. In *Physical Review A*, 1991, vol. 44, no. 9, p. 6092-6108. ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.44.6092>

Ohlasy:

1. [1.1] ABDEL-KHALEK, S. - BERRADA, K. - ALKHATEEB, Sadah A. Measures of nonclassicality for a two-level atom interacting with power-law potential field under decoherence effect. In LASER PHYSICS. ISSN 1054-660X, 2016, vol. 26, no. 9, 095201., Registrované v: WOS
2. [1.1] ABU ALNAJA, K. J. M. - WAHEED, S. E. - ABDEL-KHALEK, S. Numerical Study of Some Statistical Quantities for Quantum Systems Under Damping Effects. In JOURNAL OF RUSSIAN LASER RESEARCH. ISSN 1071-2836, 2016, vol. 37, no. 3, pp. 219-226., Registrované v: WOS
3. [1.1] BERRADA, K. - ABDEL-KHALEK, S. Entanglement for a Two-Level Atomic System Interacting with Two-Mode Spin States. In JOURNAL OF RUSSIAN LASER RESEARCH. ISSN 1071-2836, 2016, vol. 37, no. 4, pp. 337-344., Registrované v: WOS
4. [1.1] CEBAN, V. - MACOVEI, M. A. Sub-Poissonian phonon statistics in an acoustical resonator coupled to a pumped two-level emitter. In JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS. ISSN 1063-7761, 2015, vol. 121, no. 5, pp. 793., Registrované v: WOS
5. [1.1] FERANCHUK, I. D. - LEONOV, A. V. - SKOROMNIK, O. D. Physical background for parameters of the quantum Rabi model. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2016, vol. 49, no. 45, 454001., Registrované v: WOS

ADCA996 RADULOV, D. - CHIARA, C.J. - DARBY, I.G. - DE WITTE, H. - DIRIKEN, J. - FEDOROV, D.V. - FEDOSSEEV, N. - FRAILE, L.M. - HUYSE, M. - KOSTER, U. - MARSH, B.A. - PAUWELS, D. - POPESCU, L. - SELIVERSTOV, M.D. - SJODIN, A.M. - VAN DEN BERGH, P. - VAN DUPPEN, P. - VENHART, Martin - WALTERS, W.B. - WIMMER, K. beta decay of Mn-61 to levels in Fe-61. In *Physical Review C*, 2013, vol. 88, no. 1, 014307. (2012: 3.715 - IF, 2.769 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.88.014307>

Ohlasy:

1. [1.1] BABCOCK, C. - HEYLEN, H. - BILLOWES, J. - BISSELL, M. L. - BLAUM, K. - CAMPBELL, P. - CHEAL, B. - GARCIA RUIZ, R. F. - GEPPERT, C. - GINS, W. - KOWALSKA, M. - KREIM, K. - LENZI, S. M. - MOORE, I. D. - NEUGART, R. - NEYENS, G. - NOERTERSHAEUSER, W. - PAPUGA, J. - YORDANOV, D. T. Evidence for Increased neutron and proton excitations between (51-63)mn. In *PHYSICS LETTERS B*. ISSN 0370-2693, 2015, vol. 750, pp. 176., Registrované v: WOS
2. [1.1] GIRON, S. - HAMMACHE, F. - DE SEREVILLE, N. - et al. Spectroscopy of Fe-61 via the neutron transfer reaction H-2(Fe-60, p)Fe-61. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2017, vol. 95, no. 3, 035806., Registrované v: WOS
3. [1.1] HAMMACHE, Fairouz. Transfer reactions for nuclear astrophysics. In *9TH EUROPEAN SUMMER SCHOOL ON EXPERIMENTAL NUCLEAR ASTROPHYSICS*. ISSN 2100-014X, 2018, vol. 184, UNSP 01009., Registrované v: WOS
4. [1.1] KUMAR, Vikas - SRIVASTAVA, P. C. - LI, Hantao. Nuclear beta(-)-decay half-lives for fp and fpg shell nuclei. In *JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS*. ISSN 0954-3899, 2016, vol. 43, no. 10, pp., Registrované v: WOS
5. [1.1] ONG, W-J - BROWN, E. F. - BROWNE, J. - AHN, S. - CHILDERS, K. - CRIDER, B. P. - DOMBOS, A. C. - GUPTA, S. S. - HITT, G. W. - LANGER, C. - LEWIS, R. - LIDDICK, S. N. - LYONS, S. - MEISEL, Z. - MOLLER, P. - MONTES, F. - NAQVI, F. - PEREIRA, J. - PROKOP, C. - RICHMAN, D. - SCHATZ, H. - SCHMIDT, K. - SPYROU, A. beta Decay of V-61 and its Role in Cooling Accreted Neutron Star Crusts. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2020, vol. 125, no. 26, 262701., Registrované v: WOS
6. [1.1] WANG, Meng - AUDI, G. - KONDEV, F. G. - HUANG, W. J. - NAIMI, S. - XU, Xing. The AME2016 atomic mass evaluation (II). Tables, graphs and references. In *CHINESE PHYSICS C*. ISSN 1674-1137, 2017, vol. 41, no. 3, 030003., Registrované v: WOS
7. [1.1] ZUBER, Kazimierz - SINGH, Balraj. Nuclear Data Sheets for A=61. In *NUCLEAR DATA SHEETS*. ISSN 0090-3752, 2015, vol. 125, pp. 1., Registrované v: WOS

ADCA997 RATH, M. - ERTLER, C. - STAÑO, Peter - WIMMER, M. - FABIAN, J. Electric control of tunneling energy in graphene double dots. In *Physical Review B*, 2014, vol. 89, no. 8, 085414. (2013: 3.664 - IF, Q1 - JCR, 2.804 - SJR, Q3 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.89.085414>

Ohlasy:

1. [1.1] DENG, Guang-Wei - WEI, Da - LI, Shu-Xiao - JOHANSSON, J. R. - KONG, Wei-Cheng - LI, Hai-Ou - CAO, Gang - XIAO, Ming - GUO, Guang-Can - NORI, Franco - JIANG, Hong-Wen - GUO, Guo-Ping. Coupling Two Distant Double Quantum Dots with a Microwave Resonator. In NANO LETTERS. ISSN 1530-6984, 2015, vol. 15, no. 10, pp. 6620., Registrované v: WOS

ADCA998 RAITH, M. - PANGERL, T. - STAÑO, Peter - FABIAN, J. Spin hot spots in single-electron GaAs-based quantum dots. In *Physica Status Solidi B. Basic Solid State Physics*, 2014, vol. 251, no. 9, p. 1924-1930. (2013: 1.605 - IF, Q3 - JCR, 0.831 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents). ISSN 0370-1972. Dostupné na: <https://doi.org/10.1002/pssb.201350196>

Ohlasy:

1. [1.1] STIPSIC, Pavle - MILIVOJEVIC, Marko. Control of a spin qubit in a lateral GaAs quantum dot based on symmetry of gating potential. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 101, no. 16, 165302., Registrované v: WOS

ADCA999 RAITH, M. - STAÑO, Peter - FABIAN, J. Theory of spin relaxation in two-electron laterally coupled Si/SiGe quantum dots. In *Physical Review B*, 2012, vol. 86, no. 20, 205321. (2011: 3.691 - IF, Q1 - JCR, 3.326 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.86.205321>

Ohlasy:

1. [1.1] DUQUE, C. A. - MORA-RAMOS, M. E. - CORREA, J. D. Donor-impurity-related second and third harmonic generation and optical absorption in GaAs-(Ga,Al)As 3D coupled quantum dot-rings under applied electric field. In SUPERLATTICES AND MICROSTRUCTURES. ISSN 0749-6036, 2015, vol. 87, no., pp. 25., Registrované v: WOS

2. [1.1] KORNICH, Viktoriia - KLOEFFEL, Christoph - LOSS, Daniel. Phonon-assisted relaxation and decoherence of singlet-triplet qubits in Si/SiGe quantum dots. In QUANTUM. ISSN 2521-327X, 2018, vol. 2., Registrované v: WOS

3. [1.1] MILADIC, Suzana - STIPSIC, Pavle - DOBARDZIC, Edib - MILIVOJEVIC, Marko. Electrical control of a spin qubit in InSb nanowire quantum dots: Strongly suppressed spin relaxation in high magnetic field. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 101, no. 15, 155307., Registrované v: WOS

4. [1.1] MILIVOJEVIC, Marko. Symmetric spin-orbit interaction in triple quantum dot and minimisation of spin-orbit leakage in CNOT gate. In JOURNAL OF PHYSICS-CONDENSED MATTER. ISSN 0953-8984, 2018, vol. 30, no. 8, 085302., Registrované v: WOS

5. [1.1] SALA, Arnau - DANON, Jeroen. Leakage and dephasing in Si-28-based exchange-only spin qubits. In PHYSICAL REVIEW B. ISSN 2469-9950, 2018, vol. 98, no. 24, 245409., Registrované v: WOS

6. [1.1] SALA, Arnau - QVIST, Jorgen Holme - DANON, Jeroen. Highly tunable exchange-only singlet-only qubit in a GaAs triple quantum dot. In PHYSICAL REVIEW RESEARCH, 2020, vol. 2, no. 1, 012062., Registrované v: WOS

7. [1.1] SRINIVASA, V. - TAYLOR, J. M. Capacitively coupled singlet-triplet qubits in the double charge resonant regime. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2015, vol. 92, no. 23, 235301., Registrované v: WOS

ADCA1000 RAITH, M. - STAÑO, Peter - BARUFFA, B. - FABIAN, J. Theory of spin relaxation in two-electron lateral coupled quantum dots. In *Physical Review Letters*, 2012, vol. 108, no. 24, 246602. (2011: 7.370 - IF, Q1 - JCR, 6.314 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.108.246602>

Ohlasy:

1. [1.1] LIU, Zhi-Hai - LI, Rui. Spin-relaxation anisotropy in a nanowire quantum dot with strong spin-orbit coupling. In *AIP ADVANCES*. ISSN 2158-3226, 2018, vol. 8, no. 7, 075115., Registrované v: WOS

2. [1.1] LIU, Zhi-Hai - LI, Rui - HU, Xuedong - YOU, J. Q. Spin-orbit coupling and electric-dipole spin resonance in a nanowire double quantum dot. In *SCIENTIFIC REPORTS*. ISSN 2045-2322, 2018, vol. 8, 2302., Registrované v: WOS

3. [1.1] LI, Zhi-Xin. Spin Relaxation of an Impurity Polaron in a Parabolic Quantum Dot. In *JOURNAL OF LOW TEMPERATURE PHYSICS*. ISSN 0022-2291, 2015, vol. 178, no. 1-2, pp. 53., Registrované v: WOS

4. [1.1] NAKAJIMA, Takashi - DELBECQ, Matthieu R. - OTSUKA, Tomohiro - STANO, Peter - AMAHA, Shinichi - YONEDA, Jun - NOIRI, Akito - KAWASAKI, Kento - TAKEDA, Kenta - ALLISON, Giles - LUDWIG, Arne - WIECK, Andreas D. - LOSS, Daniel - TARUCHA, Seigo. Robust Single-Shot Spin Measurement with 99.5% Fidelity in a Quantum Dot Array. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2017, vol. 119, no. 1, 017701., Registrované v: WOS

5. [1.1] NICHOL, John M. - HARVEY, Shannon P. - SHULMAN, Michael D. - PAL, Arijeet - UMANSKY, Vladimir - RASHBA, Emmanuel I. - HALPERIN, Bertrand I. - YACOBY, Amir. Quenching of dynamic nuclear polarization by spin-orbit coupling in GaAs quantum dots. In *NATURE COMMUNICATIONS*. ISSN 2041-1723, 2015, vol. 6, 7682., Registrované v: WOS

6. [1.1] SALA, Arnau - DANON, Jeroen. Leakage and dephasing in Si-28-based exchange-only spin qubits. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2018, vol. 98, no. 24, 245409., Registrované v: WOS

7. [1.1] SALA, Arnau - QVIST, Jorgen Holme - DANON, Jeroen. Highly tunable exchange-only singlet-only qubit in a GaAs triple quantum dot. In *PHYSICAL REVIEW RESEARCH*, 2020, vol. 2, no. 1, 012062., Registrované v: WOS

8. [1.1] ZHAO, Xinyu - HU, Xuedong. Toward high-fidelity coherent electron spin transport in a GaAs double quantum dot. In *SCIENTIFIC REPORTS*. ISSN 2045-2322, 2018, vol. 8, 13968., Registrované v: WOS

ADCA1001 RAITH, M. - STAÑO, Peter - FABIAN, J. Theory of single electron spin relaxation in Si/SiGe lateral coupled quantum dots. In *Physical Review B*, 2011, vol. 83, no. 19, 195318. (2010: 3.774 - IF, Q1 - JCR, 3.318 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.83.195318>

Ohlasy:

1. [1.1] BENITO, M. - CROOT, X. - ADELSBERGER, C. - PUTZ, S. - MI, X. - PETTA, J. R. - BURKARD, Guido. Electric-field control and noise protection of the flopping-mode spin qubit. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 100, no. 12, 125430., Registrované v: WOS
2. [1.1] BOROSS, Peter - SZECHENYI, Gabor - CULCER, Dimitrie - PALYI, Andras. Control of valley dynamics in silicon quantum dots in the presence of an interface step. In PHYSICAL REVIEW B. ISSN 2469-9950, 2016, vol. 94, no. 3, 035438., Registrované v: WOS
3. [1.1] MILADIC, Suzana - STIPSIC, Pavle - DOBARDZIC, Edib - MILIVOJEVIC, Marko. Electrical control of a spin qubit in InSb nanowire quantum dots: Strongly suppressed spin relaxation in high magnetic field. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 101, no. 15, 155307., Registrované v: WOS
4. [1.1] SAID, Taoufik - CHOUIKH, Abdelhaq - ESSAMMOUNI, Karima - BENNAI, Mohamed. REALIZING AN N-TWO-QUBIT QUANTUM LOGIC GATES IN A CAVITY QED WITH NEAREST QUBIT-QUBIT INTERACTION. In QUANTUM INFORMATION & COMPUTATION. ISSN 1533-7146, 2016, vol. 16, no. 5-6, pp. 465-482., Registrované v: WOS
5. [1.1] SALA, Arnau - DANON, Jeroen. Leakage and dephasing in Si-28-based exchange-only spin qubits. In PHYSICAL REVIEW B. ISSN 2469-9950, 2018, vol. 98, no. 24, 245409., Registrované v: WOS
6. [1.1] SALFI, Joe - TONG, Mengyang - ROGGE, Sven - CULCER, Dimitrie. Quantum computing with acceptor spins in silicon. In NANOTECHNOLOGY. ISSN 0957-4484, 2016, vol. 27, no. 24, 244001., Registrované v: WOS
7. [1.1] SONG, Yang - DAS SARMA, S. Impurity-Driven Two-Dimensional Spin Relaxation Induced by Intervalley Spin-Flip Scattering in Silicon. In PHYSICAL REVIEW APPLIED. ISSN 2331-7019, 2017, vol. 7, no. 1, 014003., Registrované v: WOS
8. [1.1] STIPSIC, Pavle - MILIVOJEVIC, Marko. Control of a spin qubit in a lateral GaAs quantum dot based on symmetry of gating potential. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 101, no. 16, 165302., Registrované v: WOS
9. [1.1] YANG, Xu-Chen - WANG, Xin. Energy spectrum, exchange interaction, and gate crosstalk in a system with a pair of double quantum dots: A molecular-orbital calculation. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 95, no. 5, 052325., Registrované v: WOS
10. [1.1] ZHANG, Chengxian - YANG, Xu-Chen - WANG, Xin. Leakage and sweet spots in triple-quantum-dot spin qubits: A molecular-orbital study. In PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 97, no. 4, 042326., Registrované v: WOS

ADCA1002 RAMGOOLAM, Sanjaye** - SEDLÁK, Michal**. Quantum Information Processing and Composite Quantum Fields. In *Journal of High Energy Physics*, 2019, no. 1, art. no. 170. (2018: 5.833 - IF, Q1 - JCR, 1.016 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 1029-8479. Dostupné na: [https://doi.org/10.1007/JHEP01\(2019\)170](https://doi.org/10.1007/JHEP01(2019)170)

Ohlasy:

1. [1.1] KEMP, Garreth - RAMGOOLAM, Sanjaye. BPS states,

conserved charges and centres of symmetric group algebras. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2020, no. 1, 146., Registrované v: WOS

ADCA1003 RANDRIANANTOANDRO, N. - CRISAN, A.D. - CRISAN, O. - MARCIN, Jozef - KOVÁČ, Jozef - HANKO, Ján - GRENECHE, J.M. - ŠVEC, Peter - CHROBAK, A. - ŠKORVÁNEK, Ivan. The influence of microstructure on magnetic properties of nanocrystalline Fe-Pt-Nb-B permanent magnet ribbons. In *Journal of Applied Physics*, 2010, vol. 108, no. 9, art. no. 093910. (2009: 2.072 - IF, Q1 - JCR, 1.510 - SJR, Q1 - SJR, Current Contents - CCC). (2010 - Current Contents, WOS, SCOPUS). ISSN 0021-8979. Dostupné na: <https://doi.org/10.1063/1.3504245>

Ohlasy:

1. [1.1] GRABIAS, A. - KOPCEWICZ, M. - LATUCH, J. - OLESZAK, D. - PEKALA, M. - KOWALCZYK, M. Influence of cobalt content on the structure and hard magnetic properties of nanocomposite (Fe,Co)-Pt-B alloys. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2017, vol. 434, pp. 126-134., Registrované v: WOS
2. [1.1] PAPYNOV, E. K. - PORTNYAGIN, A. S. - MODIN, E. B. - MAYOROV, V. Yu. - SHICHALIN, O. O. - GOLIKOV, A. P. - PECHNIKOV, V. S. - GRIDASOVA, E. A. - TANANAEV, I. G. - AVRAMENKO, V. A. A complex approach to assessing porous structure of structured ceramics obtained by SPS technique. In MATERIALS CHARACTERIZATION. ISSN 1044-5803, 2018, vol. 145, pp. 294-302., Registrované v: WOS
3. [1.1] PIETRUSIEWICZ, Pawel. Magnetic Properties of FeCoWYB-based Ferromagnetic Alloys with a Small Addition of Pt. In REVISTA DE CHIMIE. ISSN 0034-7752, 2018, vol. 69, no. 12, pp. 3386-3388., Registrované v: WOS
4. [1.1] PIETRUSIEWICZ, P. Magnetic Properties of the Rapidly Solidified Bulk Alloy: Fe₆₁Co₁₀B₂₀Y_{8-x}W_yPt_x (where: x=1, 2, y=0, 1). In ACTA PHYSICA POLONICA A. ISSN 0587-4246, 2018, vol. 133, no. 3, pp. 666-668., Registrované v: WOS
5. [1.1] SOFRONIE, Mihaela Iuliana - TOLEA, Felicia - KUNCSE, Victor - VALEANU, Mihaela Cristina - FILOTI, George. Magneto-Structural Properties and Magnetic Behavior of Fe-Pd Ribbons. In IEEE TRANSACTIONS ON MAGNETICS. ISSN 0018-9464, 2015, vol. 51, no. 1, 2500404., Registrované v: WOS

ADCA1004 RAPČAN, Peter - CALSAMIGLIA, J. - MUNOZ-TAPIA, R. - BAGAN, E. - BUŽEK, Vladimír. Scavenging quantum information: Multiple observations of quantum systemS. In *Physical Review A*, 2011, vol. 84, no. 3, 032326. (2010: 2.861 - IF, Q1 - JCR, 2.400 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.84.032326>

Ohlasy:

1. [1.1] HAN, Rui - BERGOU, Janos A. - LEUCHS, Gerd. Near optimal discrimination of binary coherent signals via atom-light interaction. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2018, vol. 20, 043005., Registrované v: WOS
2. [1.1] HILLERY, Mark - KOCH, Daniel. Retrodiction of a sequence

of measurement results in qubit interferometers. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2016, vol. 94, no. 3, 032118., Registrované v: WOS

3. [1.1] NAMKUNG, Min - KWON, Younghun. Sequential state discrimination of coherent states. In *SCIENTIFIC REPORTS*. ISSN 2045-2322, 2018, vol. 8, 16915., Registrované v: WOS

4. [1.1] NAMKUNG, Min - KWON, Younghun. Analysis of Optimal Sequential State Discrimination for Linearly Independent Pure Quantum States. In *SCIENTIFIC REPORTS*. ISSN 2045-2322, 2018, vol. 8, 6515., Registrované v: WOS

ADCA1005 RAPISARDA, E.** - ANDREYEV, A.N. - ANTALIC, S. - BARZAKH, A. - COCOLIOS, T.E. - DARBY, I.G. - DE GROOTE, R. - DE WITTE, H. - DIRIKEN, J. - ELSEVIERS, J. - FEDOROV, D. - FEDOSSEEV, V.N. - FERRER, R. - HUYSE, M. - KALANINOVA, Z. - KOSTER, U. - LANE, J. - LIBERATI, V. - LYNCH, K.M. - MARSH, B.A. - MOLKANOV, P.L. - PAUWELS, D. - PROCTER, T.J. - RADULOV, D. - SANDHU, K. - SELIVERSTOV, M.D. - VAN BEVEREN, C. - VAN DEN BERGH, P. - VAN DUPPEN, P. - VENHART, Martin - VESELSKÝ, Martin - WRZOSEK-LIPSKA, K. Shape coexistence studied in Hg-182, Hg-184 via the beta decay of Tl-182, Tl-184. In *Journal of Physics G: Nuclear and particle physics*, 2017, vol. 44, no. 7, art. no. 074001. (2016: 2.899 - IF, Q2 - JCR, 1.365 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 0954-3899. Dostupné na: <https://doi.org/10.1088/1361-6471/aa6bb6>

Ohlasy:

1. [1.1] FORTUNE, H. T. Coexistence and mixing in Hg-182, Hg-184. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 100, no. 4, 044303., Registrované v: WOS
2. [1.1] SICILIANO, M. - ZANON, I - GOASDUFF, A. - et al. Shape coexistence in neutron-deficient Hg-188 investigated via lifetime measurements. In *PHYSICAL REVIEW C*. ISSN 0556-2813, 2020, vol. 102, no. 1, pp., Registrované v: WOS

ADCA1006 RAUWEL, E. - RAUWEL, P. - DUCROQUET, F. - MAŤKO, Igor - LOURENCO, A.C. Metallic oxygen barrier diffusion applied to high-kappa deposition. In *Journal of Vacuum Science and Technology B: Microelectronics and Nanometer Structures*, 2011, vol. 29, no. 1, 01A701. (2010: 1.271 - IF, Q2 - JCR, 0.900 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents). ISSN 1071-1023. Dostupné na: <https://doi.org/10.1116/1.3534019>

Ohlasy:

1. [1.1] GOPE, Jhuma - VANDANA - BATRA, Neha - PANIGRAHI, Jagannath - SINGH, Rajbir - MAURYA, K. K. - SRIVASTAVA, Ritu - SINGH, P. K. Silicon surface passivation using thin HfO₂ films by atomic layer deposition. In *APPLIED SURFACE SCIENCE*. ISSN 0169-4332, 2015, vol. 357, pp. 635-642., Registrované v: WOS

ADCA1007 REEB, D. - REITZNER, Daniel - WOLF, M.M. Coexistence does not imply joint measurability. In *Journal of Physics A: Mathematical and Theoretical*, 2013, vol. 46, 462002. (2012: 1.766 - IF, Q1 - JCR, 1.047 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents). ISSN 1751-8113. Dostupné na: <https://doi.org/10.1088/1751-8113/46/46/462002>

Ohlasy:

1. [1.1] HEINOSAARI, Teiko - MIYADERA, Takayuki - ZIMAN, Mario. An invitation to quantum incompatibility. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2016, vol. 49, no. 12, 123001., Registrované v: WOS
2. [1.1] KIUKAS, Jukka - BURGARTH, Daniel. Quantum resource control for noisy Einstein-Podolsky-Rosen steering with qubit measurements. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 93, no. 3, 032107., Registrované v: WOS

ADCA1008 REHÁK, M. - NEILINGER, P. - GRAJCAR, Miroslav - OELSNER, G. - HUBNER, U. - ILICHEV, E. - MEYER, H.-G. Parametric amplification by coupled flux qubits. In *Applied Physics Letters*, 2014, vol. 104, no. 16, 162604. (2013: 3.515 - IF, Q1 - JCR, 2.149 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents). ISSN 0003-6951. Dostupné na: <https://doi.org/10.1063/1.4873719>

Ohlasy:

1. [1.1] BEZAK, Viktor. Quantum theory with an energy operator defined as a quartic form of the momentum. In ANNALS OF PHYSICS. ISSN 0003-4916, 2016, vol. 372, pp. 468-481., Registrované v: WOS
2. [1.1] BUKS, Eyal - DENG, Chunqing - ORGAZZI, Jean-Luc F. X. - OTTO, Martin - LUPASCU, Adrian. Superharmonic resonances in a strongly coupled cavity-atom system. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 94, no. 3, 033807., Registrované v: WOS
3. [1.1] GOTO, Hayato - LIN, Zhirong - NAKAMURA, Yasunobu. Boltzmann sampling from the Ising model using quantum heating of coupled nonlinear oscillators. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2018, vol. 8, 7154., Registrované v: WOS
4. [1.1] GOTO, Hayato. Bifurcation-based adiabatic quantum computation with a nonlinear oscillator network. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2016, vol. 6, 21686., Registrované v: WOS
5. [1.1] GOTO, Hayato. Quantum Computation Based on Quantum Adiabatic Bifurcations of Kerr-Nonlinear Parametric Oscillators. In JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN. ISSN 0031-9015, 2019, vol. 88, no. 6, 162604., Registrované v: WOS
6. [1.1] GOTO, Hayato. Universal quantum computation with a nonlinear oscillator network. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 93, no. 5, 050301., Registrované v: WOS
7. [1.1] GREENBERG, Ya. S. - SULTANOV, A. N. Mollow triplet through pump-probe single-photon spectroscopy of artificial atoms. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 95, no. 5, 053840., Registrované v: WOS
8. [1.1] MALEKAKHLAGH, Moein - PETRESCU, Alexandru - TURECI, Hakan E. Non-Markovian dynamics of a superconducting qubit in an open multimode resonator. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 94, no. 6, 063848., Registrované v: WOS
9. [1.1] MORTENSEN, Henrik Lund - MOLMER, Klaus - ANDERSEN, Christian Kraglund. Normal modes of a superconducting transmission-line resonator with embedded lumped element circuit components.

In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 94, no. 5, 053817.,
Registrované v: WOS

- ADCA1009 REITZNER, Daniel - HILLERY, Mark. Grover search under localized dephasing. In *Physical Review A*, 2019, vol. 99, no. 1, 012339. (2018: 2.907 - IF, Q2 - JCR, 1.058 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.99.012339>
Ohlasy:
1. [1.1] WANG, Yulun - KRSTIC, Predrag S. Prospect of using Grover's search in the noisy-intermediate-scale quantum-computer era. In PHYSICAL REVIEW A. ISSN 2469-9926, 2020, vol. 102, no. 4, 042609.,
Registrované v: WOS

- ADCA1010 REITZNER, Daniel - HILLERY, M. - FELDMAN, E. - BUŽEK, Vladimír. Quantum searches on highly symmetric graphs. In *Physical Review A*, 2009, vol. 79, no. 1, 012323. (2008: 2.908 - IF, Q1 - JCR, 2.536 - SJR, Q1 - SJR, Current Contents - CCC). (2009 - Current Contents, WOS, SCOPUS). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.79.012323>
Ohlasy:
1. [1.1] CARSON, G. R. - LOKE, T. - WANG, J. B. Entanglement dynamics of two-particle quantum walks. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2015, vol. 14, no. 9, pp. 3193., Registrované v: WOS
2. [1.1] Chen Han-Wu, Li Ke, Zhao Sheng-Mei. Quantum walk search algorithm based on phase matching and circuit complementation. In ACTA PHYSICA SINICA, 2015, vol. 64, Iss. 24, 240301., Registrované v: WOS
3. [1.1] KOCH, Daniel. Scattering quantum random walks on square grids and randomly generated mazes. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 99, no. 1, 012330., Registrované v: WOS
4. [1.1] LIU YAN-MEI - CHEN HAN-WU - LIU ZHI-HAO - XUE XI-LING - ZHU WAN-NING. Scattering quantum walk search algorithm on star graph. In ACTA PHYSICA SINICA. ISSN 1000-3290, 2015, vol. 64, no. 1, 010301., Registrované v: WOS
5. [1.1] LOVETT, Neil B. - EVERITT, Matthew - HEATH, Robert M. - KENDON, Viv. The quantum walk search algorithm: factors affecting efficiency. In MATHEMATICAL STRUCTURES IN COMPUTER SCIENCE. ISSN 0960-1295, 2019, vol. 29, no. 3, pp. 389-429., Registrované v: WOS
6. [1.1] MARES, J. - NOVOTNY, J. - JEX, I. Percolated quantum walks with a general shift operator: From trapping to transport. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 99, no. 4, 042129., Registrované v: WOS
7. [1.1] NOVO, Leonardo - CHAKRABORTY, Shantanav - MOHSENI, Masoud - NEVEN, Hartmut - OMAR, Yasser. Systematic Dimensionality Reduction for Quantum Walks: Optimal Spatial Search and Transport on Non-Regular Graphs. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2015, vol. 5, 13304., Registrované v: WOS
8. [1.1] POUTHIER, Vincent. Exciton-mediated quantum search on a star graph. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2015, vol. 14, no. 9, pp. 3139., Registrované v: WOS
9. [1.1] RHODES, Mason L. - WONG, Thomas G. Search by

lackadaisical quantum walks with nonhomogeneous weights. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 4, 042303., Registrované v: WOS

10. [1.1] RHODES, Mason L. - WONG, Thomas G. Quantum walk search on the complete bipartite graph. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 99, no. 3, 032301., Registrované v: WOS

11. [1.1] RHODES, Mason L. - WONG, Thomas G. Search on vertex-transitive graphs by lackadaisical quantum walk. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2020, vol. 19, no. 9, 334., Registrované v: WOS

12. [1.1] STEFANAK, M. - NOVOTNY, J. - JEX, I. Percolation assisted excitation transport in discrete-time quantum walks. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2016, vol. 18, 023040., Registrované v: WOS

13. [1.1] STEFANAK, M. - SKOUPY, S. Perfect state transfer by means of discrete-time quantum walk search algorithms on highly symmetric graphs. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 94, no. 2, 022301., Registrované v: WOS

14. [1.1] STEFANAK, M. - SKOUPY, S. Perfect state transfer by means of discrete-time quantum walk on complete bipartite graphs. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2017, vol. 16, no. 3, UNSP 72., Registrované v: WOS

15. [1.1] SU, Yun-Long - LIU, Si-Yuan - WANG, Xiao-Hui - FAN, Heng - YANG, Wen-Li. Coherence as resource in scattering quantum walk search on complete graph. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2018, vol. 8, 11081., Registrované v: WOS

16. [1.1] XUE, Xiling - CHEN, Hanwu - LIU, Zhihao. Finding structural anomalies in complete graphs using scattering quantum walks. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION. ISSN 0219-7499, 2016, vol. 14, no. 7, 1650035., Registrované v: WOS

17. [1.1] XUE, Xi-Ling - LIU, Zhi-Hao - CHEN, Han-Wu. Search algorithm on strongly regular graphs based on scattering quantum walks. In CHINESE PHYSICS B. ISSN 1674-1056, 2017, vol. 26, no. 1, 010301., Registrované v: WOS

18. [1.1] XUE, Xi-ling - RUAN, Yue - LIU, Zhi-hao. Discrete-time quantum walk search on Johnson graphs. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2019, vol. 18, no. 2, 50., Registrované v: WOS

ADCA1011 REITZNER, Daniel - ZIMAN, Mário. Two notes on Grover's search: Programming and discriminating. In *European Physical Journal Plus*, 2014, vol. 129, 128. (2013: 1.475 - IF, Q2 - JCR, 0.385 - SJR, Q2 - SJR). ISSN 2190-5444. Dostupné na: <https://doi.org/10.1140/epjp/i2014-14128-9>

Ohlasy:

1. [1.1] BRODA, Boguslaw. Quantum search of a real unstructured database. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2016, vol. 131, no. 2. Dostupné na: <https://doi.org/10.1140/epjp/i2016-16038-2>., Registrované v: WOS

ADCA1012 REPKO, Anton** - KVASIL, Jan - NESTERENKO, Valentin O. Elimination of spurious modes within quasiparticle random-phase approximation. In *Physical Review C*, 2019, vol. 99, no. 4, art. no. 044307. (2018: 3.132 - IF, Q2 -

JCR, 1.502 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na:
<https://doi.org/10.1103/PhysRevC.99.044307>

Ohlasy:

1. [1.1] ABROSIMOV, V. - DAVYDOVSKA, O. ISOSCALAR DIPOLE RESPONSE OF HEAVY NUCLEI IN LOW-ENERGY REGION WITHIN KINETIC MODEL. In NUCLEAR PHYSICS AND ATOMIC ENERGY. ISSN 1818-331X, 2020, vol. 21, no. 2, pp. 129-136., Registrované v: WOS
2. [1.1] KRUZIC, G. - OISHI, T. - VALE, D. - PAAR, N. Magnetic dipole excitations based on the relativistic nuclear energy density functional. In PHYSICAL REVIEW C. ISSN 0556-2813, 2020, vol. 102, no. 4, 044315., Registrované v: WOS
3. [1.1] SAYGI, Nilufer Demirci - YAMAC, Filiz Ertugral - KULIEV, Ali. Theoretical investigation of giant dipole resonance in Nd146-152 isotopes with QRPA. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E. ISSN 0218-3013, 2020, vol. 29, no. 7, 2050040., Registrované v: WOS
4. [1.1] TABAR, E. - YAKUT, H. - KULIEV, A. A. - HOSGOR, G. - KEMAH, E. - QULIYEV, H. Translational and Galilean Invariant Quasiparticle Phonon Nuclear Model (TGI-QPNM) for electric dipole (E1) transitions in odd-mass deformed nuclei. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2020, vol. 1001, 121885., Registrované v: WOS

ADCA1013 REPKO, Anton - KVASIL, J. - NESTERENKO, V.O.** - REINHARD, P.-G. Pairing and deformation effects in nuclear excitation spectra. In *European Physical Journal A*, 2017, vol. 53, no. 11, art. no. 221. (2016: 2.833 - IF, Q2 - JCR, 0.561 - SJR, Q3 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 1434-6001. Dostupné na:
<https://doi.org/10.1140/epja/i2017-12406-3>

Ohlasy:

1. [1.1] GULIYEV, E. - QULIYEV, H. - KULIEV, A. A. Pygmy dipole resonance in the well-deformed even-even Gd152-162. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2020, vol. 47, no. 11, 115107., Registrované v: WOS
2. [1.1] SHIKATA, Yuki - KANADA-EN'YO, Yoshiko - MORITA, Hiroyuki. Low-energy dipole excitation modes in Be-10. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS. ISSN 2050-3911, 2019, no. 6, 063D01., Registrované v: WOS

ADCA1014 REPKO, Anton - NESTERENKO, V. O. - KVASIL, J. - REINHARD, P.-G.**. Systematics of toroidal dipole modes in Ca, Ni, Zr, and Sn isotopes. In *European Physical Journal A*, 2019, vol. 55, no. 12, 242. (2018: 2.481 - IF, Q2 - JCR, 1.172 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 1434-6001. Dostupné na: <https://doi.org/10.1140/epja/i2019-12770-x>

Ohlasy:

1. [1.1] ABROSIMOV, V. - DAVYDOVSKA, O. ISOSCALAR DIPOLE RESPONSE OF HEAVY NUCLEI IN LOW-ENERGY REGION WITHIN KINETIC MODEL. In NUCLEAR PHYSICS AND ATOMIC ENERGY. ISSN 1818-331X, 2020, vol. 21, no. 2, pp. 129-136., Registrované v: WOS

2. [1.1] KAMERDZHIEV, S. P. - SHITOV, M. I. Microscopic theory of pygmy- and giant resonances: accounting for complex 1p1h circle times phonon configurations. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2020, vol. 56, no. 10, 265., Registrované v: WOS

ADCA1015 RIAL, J. - ŠVEC, Peter Jr. - PALMERO, E.M. - CAMARERO, J. - ŠVEC, Peter - BOLLERO, A.**. Severe tuning of permanent magnet properties in gas-atomized MnAl powder by controlled nanostructuring and phase transformation. In *Acta Materialia*, 2018, vol. 157, p. 42-52. (2017: 6.036 - IF, Q1 - JCR, 3.263 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 1359-6454. Dostupné na: <https://doi.org/10.1016/j.actamat.2018.07.010>

Ohlasy:

1. [1.1] FENG, Le - FREUDENBERGER, Jens - MIX, Torsten - NIELSCH, Kornelius - WOODCOCK, Thomas George. Rare-earth-free MnAl-C-Ni permanent magnets produced by extrusion of powder milled from bulk. In ACTA MATERIALIA. ISSN 1359-6454, 2020, vol. 199, pp. 155-168., Registrované v: WOS
2. [1.1] JIA, Yuxiao - WU, Yuye - ZHAO, Shuang - ZUO, Shulan - SKOKOV, Konstantin P. - GUTFLEISCH, Oliver - JIANG, Chengbao - XU, Huibin. L1(0) rare-earth-free permanent magnets: The effects of twinning versus dislocations in Mn-Al magnets. In PHYSICAL REVIEW MATERIALS. ISSN 2475-9953, 2020, vol. 4, no. 9, 094402., Registrované v: WOS
3. [1.1] PALEO, Charles - DUPUIS, Veronique - WILHELM, Fabrice - ROGALEV, Andrei - PROUX, Olivier - BOISRON, Olivier - KIEFFER, Isabelle - EPICIER, Thierry - BUGNET, Matthieu - LE ROY, Damien. Interplay between local structure and magnetic properties of graded exchange-coupled Co@FePt nanocomposite films. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 102, no. 22, 224409., Registrované v: WOS
4. [1.1] SI, Ping Zhan - LIM, Jung Tae - PARK, Jihoon - LEE, Hak Hyeon - GE, Hongliang - LEE, Hyunjong - HAN, Sangho - KIM, Hyoung Seop - CHOI, Chul Jin. High Coercivity in MnAl Disc Prepared by Severe Plastic Deformation. In PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS. ISSN 0370-1972, 2020, vol. 257, no. 3, 1900356., Registrované v: WOS
5. [1.1] SI, Ping-Zhan - CHOI, Chul-Jin - PARK, Jihoon - GE, Hong-Liang - DU, Juan. Phase transformation and enhanced coercivity in B-N-doped MnAl nanocrystalline bulk alloys prepared by high pressure torsion. In AIP ADVANCES, 2020, vol. 10, no. 1, 015320., Registrované v: WOS
6. [1.1] TONG, Junwei - FENG, Yuxuan - TIAN, Fubo - ZHOU, Lianqun - QIN, Gaowu - ZHANG, Xianmin. Unusual interfacial magnetic interactions for MnAl with Fe(Co) atomic layers. In PHYSICAL CHEMISTRY CHEMICAL PHYSICS. ISSN 1463-9076, 2019, vol. 21, no. 5, pp. 2443-2452., Registrované v: WOS
7. [1.1] XIANG, Zhen - DENG, Baiwen - ZHANG, Xiang - WANG, Xiao - CUI, Erbiao - YU, Lunzhou - SONG, Yiming - LU, Wei. Nanocrystalline MnAlV rare-earth-free Permanent Magnetic Alloys with Improved Magnetization and Thermal Stability. In INTERMETALLICS. ISSN 0966-9795, 2020, vol. 116, 106638., Registrované v: WOS

Pre-equilibrium decay and the exciton model. In *Nuclear Physics A*, 1973, vol. 205, no. 3, p. 545-560. ISSN 0375-9474. Dostupné na:
[https://doi.org/10.1016/0375-9474\(73\)90705-7](https://doi.org/10.1016/0375-9474(73)90705-7)

Ohlasy:

1. [1.1] DEMIR, B. - KAPLAN, A. - CAPALI, V. - SARPUN, I. . H. - AYDIN, A. - TEL, E. Production cross-section calculations of medical P-32, Sn-117, Sm-153 and Re-186, Re-188 radionuclides used in bone pain palliation treatment. In *KERNTECHNIK*. ISSN 0932-3902, 2015, vol. 80, no. 1, pp. 58., Registrované v: WOS
2. [1.1] GANDHI, A. - RAI, N. K. - PRAJAPATI, P. K. - NAYAK, B. K. - SAXENA, A. - ROY, B. J. - SINGH, N. L. - MUKHERJEE, S. - KOPATCH, Yu N. - RUSKOV, I. N. - GROZDANOV, D. N. - FEDOROV, N. A. - KUMAR, A. Evaluation of the nuclear excitation functions of fast neutron-induced reactions on Cr-52 and Fe-56 isotopes. In *INDIAN JOURNAL OF PHYSICS*. ISSN 0973-1458, 2019, vol. 93, no. 10, pp. 1345-1351., Registrované v: WOS
3. [1.1] CHAUHAN, Amit - MAITI, Moumita - LAHIRI, Susanta. Measurement and analysis of excitation functions of the residues from C-12+Y-89: A major production route for Ru-97. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 99, no. 6, 064609., Registrované v: WOS
4. [1.1] KARA, Ayhan - YIGIT, Mustafa - KORKUT, Turgay - TEL, Eyyup. Cross Section Calculations of Neutron Induced Reactions on SUP124,126,128,134,136/SUPXe. In *JOURNAL OF FUSION ENERGY*. ISSN 0164-0313, 2015, vol. 34, no. 4, pp. 882., Registrované v: WOS
5. [1.1] KARA, A. Determination of nuclear excitation functions of zirconium using certain level density parameters for neutron-induced reactions. In *INDIAN JOURNAL OF PHYSICS*. ISSN 0973-1458, 2019, vol. 93, no. 11, pp. 1485-1488., Registrované v: WOS
6. [1.1] KARA, A. - KORKUT, T. - YIGIT, M. - TEL, E. Modelling study on production cross sections of In-111 radioisotopes used in nuclear medicine. In *KERNTECHNIK*. ISSN 0932-3902, 2015, vol. 80, no. 3, pp. 270., Registrované v: WOS
7. [1.1] KAVUN, Yusuf - PARASHARI, Siddharth - TEL, Eyyup. Investigation of (gamma, p) reaction cross-section calculations of Ca-40, Ge-70 and Zr-90 isotopes. In *APPLIED RADIATION AND ISOTOPES*. ISSN 0969-8043, 2020, vol. 164, 109318., Registrované v: WOS
8. [1.1] KHORSHIDI, Abdollah. Accelerator-Based Methods in Radio-Material Mo-99/Tc-99m Production Alternatives by Monte Carlo Method: The Scientific-Expedient Considerations in Nuclear Medicine. In *JOURNAL OF MULTISCALE MODELING*. ISSN 1756-9737, 2020, vol. 11, no. 1, 1930001., Registrované v: WOS
9. [1.1] KHORSHIDI, Abdollah. Radiochemical parameters of molybdenum-99 transmutation in cyclotron-based production method using a neutron activator design for nuclear-medicine aims. In *EUROPEAN PHYSICAL JOURNAL PLUS*. ISSN 2190-5444, 2019, vol. 134, no. 6, 249., Registrované v: WOS
10. [1.1] KORKUT, H. - KORKUT, T. Calculation of Particle Emissions and Fusion Cross Sections After B-8(t,*), B-9(t,*), and B-10(t,*) Reactions by Monte Carlo Simulations. In *FUSION SCIENCE AND TECHNOLOGY*. ISSN

- 1536-1055, 2020, vol. 76, no. 2, pp. 120-134., Registrované v: WOS
11. [1.1] KUDRYAVTSEV, V. A. - ZAKHARY, P. - EASEMAN, B. Neutron production in (alpha, n) reactions. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, 2020, vol. 972, 164095., Registrované v: WOS
12. [1.1] NOBRE, G. P. A. - PALUMBO, A. - HERMAN, M. - BROWN, D. - HOBLIT, S. - DIETRICH, F. S. Derivation of an optical potential for statically deformed rare-earth nuclei from a global spherical potential. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 91, no. 2, 024618., Registrované v: WOS
13. [1.1] OZDOGAN, H. - CAPALI, V. - KAPLAN, A. Reaction Cross-Section, Stopping Power and Penetrating Distance Calculations for the Structural Fusion Material Fe-54 in Different Reactions. In JOURNAL OF FUSION ENERGY. ISSN 0164-0313, 2015, vol. 34, no. 2, pp. 379., Registrované v: WOS
14. [1.1] SIDDIK, T. Theoretical cross-sectional calculation of some structural fusion material on (n,)-induced reactions. In INDIAN JOURNAL OF PHYSICS. ISSN 0973-1458, 2019, vol. 93, no. 7, pp. 921-925., Registrované v: WOS
15. [1.1] YETTOU, Leila - BELGAID, Mohamed. Calculation of pre-equilibrium effects in neutron-induced cross section on S-32's isotopes using the EMPIRE 3.2 code. In European Physical Journal Web of Conference, 2015, vol. 100, 01009., Registrované v: WOS
16. [1.1] YIGIT, Mustafa - BOSTAN, Sumeyye Nur. Study on cross section calculations for (n,p) nuclear reactions of cadmium isotopes. In APPLIED RADIATION AND ISOTOPES. ISSN 0969-8043, 2019, vol. 154, UNSP 108868., Registrované v: WOS
17. [1.1] YIGIT, Mustafa - TEL, Eyyup. Study on (n,2n) and (n,p) reactions of strontium nucleus. In NUCLEAR ENGINEERING AND DESIGN. ISSN 0029-5493, 2015, vol. 293, pp. 97., Registrované v: WOS
18. [1.1] YIGIT, Mustafa - TEL, Eyyup. Reaction cross sections in the interactions of neutrons with Yttrium nucleus. In JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY. ISSN 0236-5731, 2015, vol. 306, no. 1, pp. 203., Registrované v: WOS
19. [1.1] YIGIT, Mustafa. Investigation of (n,2n) reaction cross sections on Pd and Cd isotopes using equilibrium and pre-equilibrium models. In APPLIED RADIATION AND ISOTOPES. ISSN 0969-8043, 2020, vol. 166, 109399., Registrované v: WOS
20. [1.1] YIGIT, M. - TEL, E. - SARPUN, I. H. A new study on (n, p) cross sections in nuclear interactions of neutrons with dysprosium. In INDIAN JOURNAL OF PHYSICS. ISSN 0973-1458, 2019, vol. 93, no. 12, pp. 1611-1618., Registrované v: WOS
21. [1.2] BROWN, D. A. - NOBRE, G. P.A. - HERMAN, M. W. Impact of alternative transmission coefficient parametrizations on Hauser-Feshbach theory. In Physical Review C. ISSN 24699985, 2018, vol. 98, no. 2, 024616., Registrované v: SCOPUS
22. [1.2] ŞAHAN, M. - TEL, E. - ŞAHAN, H. - GEVHER, U. - KARA, A. Cross Section Calculations of (n,2n) and (n,p) Nuclear Reactions on Germanium Isotopes at 14–15 MeV. In Journal of Fusion Energy. ISSN

01640313, 2016-10-01, 35, 5, pp. 730-742., Registrované v: SCOPUS
23. [1.2] YETTOU, L. Preequilibrium models for $\text{sup}63/\text{supCu}(n, xp)$ reaction in neutrons at 9, 11, 14.8, and 15 MeV using the EMPIRE 3.2 code. In Nuclear Science and Engineering. ISSN 00295639, 2016-06-01, 183, 2, pp. 275-285., Registrované v: SCOPUS

ADCA1017 RIBANSKY, I. - KRIŠTIÁK, Jozef - STOEVA, L. - PANTELEEV, C. Neutron-activation cross-section for Ni isotopes at 14.8 MeV. In *Czechoslovak journal of physics*, 1985, vol. 35, no. 10, p. 1128-1137. ISSN 0011-4626.

Ohlasy:

1. [1.1] TOHAMY, M. - ELMAGHRABY, Elsayed K. - COMSAN, M. N. H. Integral cross section of isomeric state formation in (neutron,nucleon) reactions using an Am-Be source. In APPLIED RADIATION AND ISOTOPES. ISSN 0969-8043, 2020, vol. 165, 109340., Registrované v: WOS
2. [1.1] YIGIT, Mustafa. Study on (n,p) reactions of Ni-58,60,61,62,(64) using new developed empirical formulas. In NUCLEAR ENGINEERING AND TECHNOLOGY. ISSN 1738-5733, 2020, vol. 52, no. 4, pp. 791-796., Registrované v: WOS

ADCA1018 RIBANSKÝ, I. - OBLOŽINSKÝ, Pavol. Emission of complex particles in the exciton model. In *Physics Letters B*, 1973, vol. 45, no. 4, p. 318-320. ISSN 0370-2693.

Ohlasy:

1. [1.2] GUO, Hai Rui - HAN, Yin Lu - CAI, Chong Hai. Double differential cross sections of light charged particle production for the $n+\text{sup}238/\text{supU}$ reaction. In Chinese Physics C. ISSN 16741137, 2018, vol. 42, no. 12, 124101., Registrované v: SCOPUS

ADCA1019 RIBANSKÝ, I. - PANTELEEV, T. - STOEVA, L. Neutron activation cross-sections for Cr isotopes at 14.6 MeV neutron energy. In *Annals of Nuclear Energy*, 1985, vol. 12, no. 11, p. 577-581. ISSN 0306-4549. Dostupné na: [https://doi.org/10.1016/0306-4549\(85\)90010-6](https://doi.org/10.1016/0306-4549(85)90010-6)

Ohlasy:

1. [1.1] PASHA, Imran - BASAVANNA, Rudraswamy - YERRANGUNTLA, Santhi Sheela - SURYANARAYANA, Saraswatula Venkata - NAIK, Haladhara - MIDHUN, Cherumukku Vallabhan - PATEL, Tarun. Measurement of 14.54 MeV neutron induced reaction cross sections of Cr and Mn with covariance analysis. In RADIOCHIMICA ACTA. ISSN 0033-8230, 2020, vol. 108, no. 9, pp. 679-688., Registrované v: WOS

ADCA1020 RICCIARDI, M.V. - LUKIC, S. - KELIC, A. - SCHMIDT, K.-H. - VESELSKÝ, Martin. Secondary-beam production: Protons versus heavy ions. In *European Physical Journal Special Topics*, 2007, vol. 150, p. 321-324. ISSN 1951-6355. Dostupné na: <https://doi.org/10.1140/epjst/e2007-00337-x>

Ohlasy:

1. [1.1] ADAMIAN, G. G. - ANTONENKO, N. V. - DIAZ-TORRES, A. - HEINZ, S. How to extend the chart of nuclides? In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2020, vol. 56, no. 2., Registrované v: WOS

ADCA1021 RICHARDS, H.L. - KOLEŠÍK, Miroslav - LINDGARD, P.A. - RIKVOLD, P.A. - NOVOTNY, M.A. Effects of boundary conditions on magnetization switching in kinetic Ising models of nanoscale ferromagnets. In *Physical Review B*, 1997, vol. 55, no. 17, p. 11521-11540. (1996: 2.975 - IF, Current Contents - CCC). (1997 - Current Contents). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.55.11521>

Ohlasy:

1. [1.1] ENACHESCU, Cristian - NICOLAZZI, William. Elastic models, lattice dynamics and finite size effects in molecular spin crossover systems. In *COMPTES RENDUS CHIMIE*. ISSN 1631-0748, 2018, vol. 21, no. 12, pp. 1179-1195., Registrované v: WOS
2. [1.1] LU, Huanglei - WANG, Wenju - YANG, Fufeng - WANG, Guoping - RUI, Xiaoting. Effect of carbon black with large particle size on dynamic mechanical analysis of magnetorheological elastomers (MREs). In *MATERIALS RESEARCH EXPRESS*. ISSN 2053-1591, 2018, vol. 5, no. 9, 095703., Registrované v: WOS

ADCA1022 RIKVOLD, P.A. - KOLEŠÍK, Miroslav. Analytic approximations for the velocity of field-driven Ising interfaces. In *Journal of Statistical Physics*, 2000, vol. 100, no. 1-2, p. 377-403. (1999: 1.192 - IF). ISSN 0022-4715. Dostupné na: <https://doi.org/10.1023/a:1018664301115>

Ohlasy:

1. [1.1] SHNEIDMAN, Vitaly A. From early nucleation past the percolation threshold: Status of the Kolmogorov-Avrami theory on a cold Ising lattice. In *PHYSICAL REVIEW E*. ISSN 2470-0045, 2019, vol. 100, no. 6, 061301., Registrované v: WOS

ADCA1023 RIVAS, M. - MARTÍNEZ-GARCÍA, J.C. - ŠKORVÁNEK, Ivan - MARCIN, Jozef - ŠVEC, Peter - GORRIA, Pedro. Magnetostatic interaction in soft magnetic bilayer ribbons unambiguously identified by first-order reversal curve analysis. In *Applied Physics Letters*, 2015, vol. 107, no. 13, 132403. (2014: 3.302 - IF, Q1 - JCR, 1.861 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 0003-6951. Dostupné na: <https://doi.org/10.1063/1.4932066>

Ohlasy:

1. [1.1] CIMPOESU, Dorin - DUMITRU, Ioan - STANCU, Alexandru. doFORC tool for calculating first-order reversal curve diagrams of noisy scattered data. In *JOURNAL OF APPLIED PHYSICS*. ISSN 0021-8979, 2019, vol. 125, no. 2, 023906., Registrované v: WOS
2. [1.1] MURZIN, D. V. - BELYAEV, V. K. - GROSS, F. - GRAEFE, J. - RIVAS, M. - RODIONOVA, V. V. Tuning the magnetic properties of permalloy-based magnetoplasmonic crystals for sensor applications. In *JAPANESE JOURNAL OF APPLIED PHYSICS*. ISSN 0021-4922, 2020, vol. 59, SEEA04., Registrované v: WOS
3. [1.1] PAN, H. L. - LI, X. - ZHANG, Q. - SU, Y. P. - WANG, J. T. - XIE, W. H. - ZHAO, Z. J. Investigation of dipolar interaction in FINEMET ribbons through longitudinally driven magneto-impedance effect. In *JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS*. ISSN 0304-8853, 2018, vol. 452, pp. 502-506., Registrované v: WOS
4. [1.1] SUZUKI, K. - PARSONS, R. - ZANG, B. - ONODERA, K. -

KISHIMOTO, H. - KATO, A. Copper-free nanocrystalline soft magnetic materials with high saturation magnetization comparable to that of Si steel. In APPLIED PHYSICS LETTERS. ISSN 0003-6951, 2017, vol. 110, no. 1, 012407., Registrované v: WOS

5. [1.1] ZAMANI KOUHPANJI, Mohammad Reza - STADLER, Bethanie J. H. Magnetic nanowires for quantitative detection of biopolymers. In AIP ADVANCES, 2020, vol. 10, no. 12, 125231., Registrované v: WOS

6. [1.1] ZHANG, Miao - YANG, Haibo - LI, Da - MA, Liang - LIN, Ying. Giant energy storage efficiency and high recoverable energy storage density achieved in $K_{0.5}Na_{0.5}NbO_3$ - $Bi(Zn_{0.5}Zr_{0.5})O_3$ ceramics. In JOURNAL OF MATERIALS CHEMISTRY C. ISSN 2050-7526, 2020, vol. 8, no. 26, pp. 8777-8785., Registrované v: WOS

7. [1.1] ZOU, J. T. - PAN, H. L. - WANG, J. T. - LI, X. - ZHANG, Q. - XIE, W. H. - WANG, J. - ZHAO, Z. J. Dipolar interaction in multiple FINEMET ribbons. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2019, vol. 476, pp. 297-301., Registrované v: WOS

ADCA1024 RODIN, A.M. - BELOZEROV, A.V. - VANIN, D.V. - VEDENEYEV, V.Yu. - GULYAEV, A.V. - GULYAEVA, A.V. - DMITRIEV, S.N. - ITKIS, M.G. - KLIMAN, Ján - KONDRATIEV, N.A. - KRUPA, L. - OGANESEAN, Yu.Ts. - SALAMATIN, E.V. - SIVÁČEK, Ivan - STEPANTSOV, S.V. - CHERNYSHEVA, E.V. - YUCHIMCHUK, S.A. MASHA separator on the heavy ion beam for determining masses and nuclear physical properties of isotopes of heavy and superheavy elements. In *Instruments and Experimental Techniques*, 2014, vol. 57, no. 4, p. 386-393. (2013: 0.349 - IF, Q4 - JCR, 0.298 - SJR, Q3 - SJR, Current Contents - CCC). (2014 - Current Contents). ISSN 0020-4412. Dostupné na: <https://doi.org/10.1134/S0020441214030208>

Ohlasy:

1. [1.1] LOPEZ-MARTENS, A. - YEREMIN, A. - TEZEKBAYEVA, M. S. - ASFARI, Z. - BRIONNET, R. - DORVAUX, O. - GALL, B. - HAUSCHILD, K. - ACKERMANN, D. - CACERES, L. - CHELNOKOV, M. L. - CHEPIGIN, V. - GUSTOVA, M. - ISAEV, A. - KARPOV, A. - KUZNETSOVA, A. A. - PIOT, J. - MALYSHEV, O. N. - POPEKO, A. G. - POPOV, Yu A. - REZYNKINA, K. - SAVAJOLES, H. - SVIRIKHIN, A. - SOKOL, E. A. - STEINEGGER, R. Measurement of proton-evaporation rates in fusion reactions leading to transfermium nuclei. In PHYSICS LETTERS B. ISSN 0370-2693, 2019, vol. 795, pp. 271-276., Registrované v: WOS

ADCA1025 ROGACHEV, A.S. - GACHON, J.C. - GRIGORYAN, H.E. - ILLEKOVÁ, Emília - KOCHETOV, N.F. - NOSYREV, F.N. - SACHKOVA, N.V. - SCHUSTER, J.C. - SHARAFUTDINOV, M.R. - SHKODICH, N.F. - TOLOCHKO, B.P. - TSYGANKOV, P.A. - YAGUBOVA, I.Y. Diffraction of synchrotron radiation for in situ study of the heterogenous reaction mechanism in lamellar composites obtained by mechanical activation and magnetron sputtering. In *Nuclear Instruments and Methods in Physics Research A. Accelerators, Spectrometers, Detectors and Associated Equipment*, 2007, vol. 575, no. 1-2, p. 126-129. (2006: 1.185 - IF, Q1 - JCR, 0.840 - SJR, Q1 - SJR, Current Contents - CCC). (2007 - Current Contents, WOS, SCOPUS). ISSN 0168-9002. Dostupné na: <https://doi.org/10.1016/j.nima.2007.01.041>

Ohlasy:

1. [1.2] ADAMS, D. P. Reactive multilayers fabricated by vapor deposition: A critical review. In *Thin Solid Films*. ISSN 00406090, 2015-01-01, 576, pp. 98-128., Registrované v: SCOPUS
2. [1.2] ALAWIEH, Leen - WEIHS, Timothy P. - KNIO, Omar M. Regime of validity of a spatially homogenised reaction model for multilayered particles. In *Combustion Theory and Modelling*. ISSN 13647830, 2015-01-01, 19, 3, pp. 329-346., Registrované v: SCOPUS
3. [1.2] AWAD, A. S. - MERHEB, D. - ZAKHOUR, M. - et al. Rapid and direct reactive synthesis of Ti–Al intermetallics by microwave heating of $\text{TiHf}_{2/3}$ and Al powder without microwave susceptor. In *Journal of Alloys and Compounds*. ISSN 09258388, 2017, vol. 720, pp. 182-186., Registrované v: SCOPUS
4. [1.2] CAVALEIRO, A. J. - RAMOS, A. S. - MARTINS, R. M.S. - et al. The effect of heating rate on the phase transformation of Ni/Ti multilayer thin films. In *Vacuum*. ISSN 0042207X, 2017, vol. 139, pp. 23-25., Registrované v: SCOPUS
5. [1.2] LEVASHOV, E. A. - MUKASYAN, A. S. - ROGACHEV, A. S. - SHTANSKY, D. V. Self-propagating high-temperature synthesis of advanced materials and coatings. In *International Materials Reviews*. ISSN 09506608, 2017, vol. 62, 4, pp. 203-239., Registrované v: SCOPUS
6. [1.2] SEN, Seema - LAKE, Markus - WILDEN, Johannes - SCHAAF, Peter. Synthesis and characterization of Ti/Al reactive multilayer films with various molar ratios. In *Thin Solid Films*. ISSN 00406090, 2017, vol. 631, pp. 99-105., Registrované v: SCOPUS

ADCA1026 ROŠKO, M. - BUŽEK, Vladimír - CHOUHA, P.R. - HILLERY, M. Generalized measurements via programmable quantum processor. In *Physical Review A*, 2003, vol. 68, no. 6, 062302. ISSN 1050-2947.

Ohlasy:

1. [1.1] CHABAUD, Ulysse - DIAMANTI, Eleni - MARKHAM, Damian - KASHEFI, Elham - JOUX, Antoine. Optimal quantum-programmable projective measurement with linear optics. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2018, vol. 98, no. 6, 062318., Registrované v: WOS

ADCA1027 ROTHE, S. - ANDREYEV, A.N. - ANTALIC, S. - BORSCHEVSKY, A. - CAPPONI, L. - COCOLIOS, T.E. - DE WITTE, H. - ELIAV, E. - FEDOROV, D.V. - FEDOSSEEV, V.N. - FINK, D.A. - FRITZSCHE, S. - GHYS, L. - HUYSE, M. - IMAI, N. - KALDOR, U. - KUDRYAVTSEV, Yu. - KOSTER, U. - LANE, J.F.W. - LASSEN, J. - LIBERATI, V. - LYNCH, K.M. - MARSH, B.A. - NISHIO, K. - PAUWELS, D. - PERSHINA, V. - POPESCU, L. - PROCTER, T.J. - RADULOV, D. - RAEDER, S. - RAJABALI, M.M. - RAPISARDA, E. - ROSSEL, R.E. - SANDHU, K. - SELIVERSTOV, M.D. - SJODIN, A.M. - VAN DEN BERGH, P. - VAN DUPPEN, P. - VENHART, Martin - WAKABAYASHI, Y. - WENDT, K.D.A. Measurement of the first ionization potential of astatine by laser ionization spectroscopy. In *Nature Communications*, 2013, vol. 4, 1835. (2012: 10.015 - IF, Q1 - JCR, 5.866 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents). ISSN 2041-1723. Dostupné na: <https://doi.org/10.1038/ncomms2819>

Ohlasy:

1. [1.1] ANEHEIM, Emma - PALM, Stig - JENSEN, Holger - EKBERG, Christian - ALBERTSSON, Per - LINDEGREN, Sture. Towards elucidating the radiochemistry of astatine Behavior in chloroform. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2019, vol. 9, 15900., Registrované v: WOS
2. [1.1] BORGE, Maria J. G. - JONSON, Bjorn. ISOLDE past, present and future. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2017, vol. 44, no. 4, 044011., Registrované v: WOS
3. [1.1] BORGE, M. J. G. - RIISAGER, K. HIE-ISOLDE, the project and the physics opportunities. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2016, vol. 52, no. 11, 334., Registrované v: WOS
4. [1.1] BURNS, Jonathan D. - TERESHATOV, Evgeny E. - MCCARTHY, Mallory A. - MCINTOSH, Lauren A. - TABACARU, Gabriel C. - YANG, Xin - HALL, Michael B. - YENNELLO, Sherry J. Astatine partitioning between nitric acid and conventional solvents: indication of covalency in ketone complexation of AtO⁺. In CHEMICAL COMMUNICATIONS. ISSN 1359-7345, 2020, vol. 56, no. 63, pp. 9004-9007., Registrované v: WOS
5. [1.1] CAMPBELL, P. - MOORE, I. D. - PEARSON, M. R. Laser spectroscopy for nuclear structure physics. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2016, vol. 86, pp. 127-180., Registrované v: WOS
6. [1.1] DEMIDOV, Yuriy - ZAITSEYSKII, Andrei. A comparative study of molecular hydroxides of element 113 (I) and its possible analogs: Ab initio electronic structure calculations. In CHEMICAL PHYSICS LETTERS. ISSN 0009-2614, 2015, vol. 638, pp. 21., Registrované v: WOS
7. [1.1] D&APOS;YACHKOV, A. B. - FIRSOV, V. A. - GORKUNOV, A. A. - LABOZIN, A. V. - MIRONOV, S. M. - PANCHENKO, V. Y. - SEMENOV, A. N. - SHATALOVA, G. G. - TSVETKOV, G. O. Photoionization spectroscopy for laser extraction of the radioactive isotope Lu-177. In APPLIED PHYSICS B-LASERS AND OPTICS. ISSN 0946-2171, 2015, vol. 121, no. 4, pp. 425., Registrované v: WOS
8. [1.1] FINNEY, Brian A. - PETERSON, Kirk A. Beyond chemical accuracy in the heavy p-block: The first ionization potentials and electron affinities of Ga-Kr, In-Xe, and Tl-Rn. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2019, vol. 151, no. 2, 024303., Registrované v: WOS
9. [1.1] GUERARD, Francois - LEE, Yong-Sok - BAIDOO, Kwamena - GESTIN, Jean-Francois - BRECHBIEL, Martin W. Unexpected Behavior of the Heaviest Halogen Astatine in the Nucleophilic Substitution of Aryliodonium Salts. In CHEMISTRY-A EUROPEAN JOURNAL. ISSN 0947-6539, 2016, vol. 22, no. 35, pp. 12332-12339., Registrované v: WOS
10. [1.1] GUO, Ning - MAURICE, Remi - TEZE, David - GRATON, Jerome - CHAMPION, Julie - MONTAVON, Gilles - GALLAND, Nicolas. Experimental and computational evidence of halogen bonds involving astatine. In NATURE CHEMISTRY. ISSN 1755-4330, 2018, vol. 10, no. 4, pp. 428-434., Registrované v: WOS
11. [1.1] LINDEGREN, Sture - ALBERTSSON, Per - BACK, Tom - JENSEN, Holger - PALM, Stig - ANEHEIM, Emma. Realizing Clinical Trials with Astatine-211: The Chemistry Infrastructure. In CANCER BIOTHERAPY AND RADIOPHARMACEUTICALS. ISSN 1084-9785, 2020, vol. 35, no. 6, pp.

425-436., Registrované v: WOS

12. [1.1] MARDOR, Israel - AVIV, Ofer - AVRIGEANU, Marilena - BERKOVITS, Dan - DAHAN, Adi - DICKEL, Timo - ELIYAHU, Ilan - GAI, Moshe - GAVISH-SEGEV, Inbal - HALFON, Shlomi - HASS, Michael - HIRSH, Tsviki - KAISER, Boaz - KIJEL, Daniel - KREISEL, Arik - MISHNAYOT, Yonatan - MUKUL, Ish - OHAYON, Ben - PAUL, Michael - PERRY, Amichay - RAHANGDALE, Hitesh - RODNIZKI, Jacob - RON, Guy - SASSON-ZUKRAN, Revital - SHOR, Asher - SILVERMAN, Ido - TESSLER, Moshe - VAINTRAUB, Sergey - WEISSMAN, Leo. The Soreq Applied Research Accelerator Facility (SARAF): Overview, research programs and future plans. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2018, vol. 54, no. 5, 91., Registrované v: WOS

13. [1.1] MAURICE, Remi - REAL, Florent - GOMES, Andre Severo Pereira - VALLET, Valerie - MONTAVON, Gilles - GALLAND, Nicolas. Effective bond orders from two-step spin-orbit coupling approaches: The I-2, At-2, IO+, and AtO+ case studies. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2015, vol. 142, no. 9, 094305., Registrované v: WOS

14. [1.1] MSEZANE, Alfred Z. - FELFLI, Zineb. Low-energy electron scattering from fullerenes and heavy complex atoms: negative ions formation. In EUROPEAN PHYSICAL JOURNAL D. ISSN 1434-6060, 2018, vol. 72, no. 10, 173., Registrované v: WOS

15. [1.1] PYPER, N. C. Relativity and the periodic table. In PHILOSOPHICAL TRANSACTIONS OF THE ROYAL SOCIETY A-MATHEMATICAL PHYSICAL AND ENGINEERING SCIENCES. ISSN 1364-503X, 2020, vol. 378, no. 2180, 20190305., Registrované v: WOS

16. [1.1] QUINET, Pascal - SICORELLO, Guillaume. Newly identified energy levels and calculated transition rates in astatine atom, the rarest element on Earth. In JOURNAL OF QUANTITATIVE SPECTROSCOPY & RADIATIVE TRANSFER. ISSN 0022-4073, 2018, vol. 204, pp. 120-130., Registrované v: WOS

17. [1.1] ROSSI, Elisa - DE SANTIS, Matteo - SORBELLI, Diego - STORCHI, Lorian - Belpassi, Leonardo - BELANZONI, Paola. Spin-orbit coupling is the key to unraveling intriguing features of the halogen bond involving astatine. In PHYSICAL CHEMISTRY CHEMICAL PHYSICS. ISSN 1463-9076, 2020, vol. 22, no. 4, pp. 1897-1910., Registrované v: WOS

18. [1.1] SERGENTU, Dumitru-Claudiu - DAVID, Gregoire - MONTAVON, Gilles - MAURICE, Remi - GALLAND, Nicolas. Scrutinizing "Invisible" Astatine: A Challenge for Modern Density Functionals. In JOURNAL OF COMPUTATIONAL CHEMISTRY. ISSN 0192-8651, 2016, vol. 37, no. 15, pp. 1345-1354., Registrované v: WOS

19. [1.1] SHEN, Xiaopan - WANG, Wenliang - ZHAI, Lihua - DENG, Hu - XU, Jiang - YUAN, Xianglong - WEI, Guanyi - WANG, Wei - FANG, Sui - SU, Yongyang - LI, Zhiming. New spectroscopic data on high-lying excited even-parity levels of atomic neodymium. In SPECTROCHIMICA ACTA PART B-ATOMIC SPECTROSCOPY. ISSN 0584-8547, 2018, vol. 145, pp. 96-98., Registrované v: WOS

20. [1.1] TEZE, David - SERGENTU, Dumitru-Claudiu - KALICHUK, Valentina - BARBET, Jacques - DENIAUD, David - GALLAND, Nicolas - MAURICE, Remi - MONTAVON, Gilles. Targeted radionuclide therapy with astatine-211: Oxidative dehalogenation of astatobenzoate conjugates. In

- ADCA1028 RÓZSA, L.** - PALOTÁS, Krisztián - DEÁK, A. - SIMON, E. - YANES, R. - UDVARDI, L. - SZUNYOGH, L. Formation and stability of metastable skyrmionic spin structures with various topologies in an ultrathin film. In *Physical Review B*, 2017, vol. 95, no. 9, art. no. 094423. (2016: 3.836 - IF, Q2 - JCR, 2.339 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na:
<https://doi.org/10.1103/PhysRevB.95.094423>
- Ohlasy:
1. [1.1] AMOROSO, Danila - BARONE, Paolo - PICOZZI, Silvia. Spontaneous skyrmionic lattice from anisotropic symmetric exchange in a Ni-halide monolayer. In NATURE COMMUNICATIONS. ISSN 2041-1723, 2020, vol. 11, no. 1, 5784., Registrované v: WOS
 2. [1.1] BOETTCHER, M. - HEINZE, S. - EGOROV, S. - SINOVA, J. - DUPE, B. B-T phase diagram of Pd/Fe/Ir(111) computed with parallel tempering Monte Carlo. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2018, vol. 20, 103014., Registrované v: WOS
 3. [1.1] CAPIC, Daniel - GARANIN, Dmitry A. - CHUDNOVSKY, Eugene M. Stability of biskyrmions in centrosymmetric magnetic films. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 100, no. 1, 014432., Registrované v: WOS
 4. [1.1] CAPIC, D. - GARANIN, D. A. - CHUDNOVSKY, E. M. Skyrmion-skyrmion interaction in a magnetic film. In JOURNAL OF PHYSICS-CONDENSED MATTER. ISSN 0953-8984, 2020, vol. 32, no. 41, 415803., Registrované v: WOS
 5. [1.1] DESPLAT, L. - KIM, J. - STAMPS, R. L. Paths to annihilation of first- and second-order (anti)skyrmions via (anti)meron nucleation on the frustrated square lattice. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 99, no. 17, 174409., Registrované v: WOS
 6. [1.1] FISCHER, Jeison A. - SANDRATSKII, Leonid M. - PHARK, Soo-hyon - SANDER, Dirk - PARKIN, Stuart. Atomic structure governed diversity of exchange-driven spin helices in Fe nanoislands: Experiment and theory. In PHYSICAL REVIEW B. ISSN 2469-9950, 2017, vol. 96, no. 14, 140407., Registrované v: WOS
 7. [1.1] GOROBETS, Oksana Yu - GOROBETS, Yuri. 3D analytical model of skyrmion-like structures in an antiferromagnet with DMI. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2020, vol. 507, 166800., Registrované v: WOS
 8. [1.1] HAYAMI, Satoru - YAMBE, Ryota. Degeneracy Lifting of Neel, Bloch, and Anti-Skyrmion Crystals in Centrosymmetric Tetragonal Systems. In JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN. ISSN 0031-9015, 2020, vol. 89, no. 10, 103702., Registrované v: WOS
 9. [1.1] CHI XIAO-DAN - HU YONG. Modulation of skyrmion diameter in centrosymmetric frustrated magnet. In ACTA PHYSICA SINICA. ISSN 1000-3290, 2018, vol. 67, no. 13, 137502., Registrované v: WOS
 10. [1.1] KIM, Kyoung-Whan - MOON, Kyoung-Woong - KERBER, Nico - NOTHELFER, Jonas - EVERSCHOR-SITTE, Karin. Asymmetric skyrmion Hall effect in systems with a hybrid Dzyaloshinskii-Moriya interaction.

- In PHYSICAL REVIEW B. ISSN 2469-9950, 2018, vol. 97, no. 22, 224427.,
Registrované v: WOS
11. [1.1] LIN, Shi-Zeng. Dynamics and inertia of a skyrmion in chiral magnets and interfaces: A linear response approach based on magnon excitations. In PHYSICAL REVIEW B. ISSN 2469-9950, 2017, vol. 96, no. 1, 014407.,
Registrované v: WOS
12. [1.1] LIU, Zhaosen - DIAS, Manuel dos Santos - LOUNIS, Samir. Theoretical investigation of antiferromagnetic skyrmions in a triangular monolayer. In JOURNAL OF PHYSICS-CONDENSED MATTER. ISSN 0953-8984, 2020, vol. 32, no. 42, 425801., Registrované v: WOS
13. [1.1] MEYER, Sebastian - PERINI, Marco - VON MALOTTKI, Stephan - KUBETZKA, Andr - WIESENDANGER, Roland - VON BERGMANN, Kirsten - HEINZE, Stefan. Isolated zero field sub-10 nm skyrmions in ultrathin Co films. In NATURE COMMUNICATIONS. ISSN 2041-1723, 2019, vol. 10, 3823., Registrované v: WOS
14. [1.1] PAUL, Souvik - HALDAR, Soumyajyoti - VON MALOTTKI, Stephan - HEINZE, Stefan. Role of higher-order exchange interactions for skyrmion stability. In NATURE COMMUNICATIONS. ISSN 2041-1723, 2020, vol. 11, no. 1, 4756., Registrované v: WOS
15. [1.1] POLYAKOV, O. P. - GONOSKOV, I. A. - STEPANYUK, V. S. - GROSS, E. K. U. Generation of magnetic skyrmions by focused vortex laser pulses. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2020, vol. 127, no. 7, 073904., Registrované v: WOS
16. [1.1] RAJU, M. - YAGIL, A. - SOUMYANARAYANAN, Anjan - TAN, Anthony K. C. - ALMOALEM, A. - MA, Fusheng - AUSLAENDER, O. M. - PANAGOPOULOS, C. The evolution of skyrmions in Ir/Fe/Co/Pt multilayers and their topological Hall signature. In NATURE COMMUNICATIONS. ISSN 2041-1723, 2019, vol. 10, 696., Registrované v: WOS
17. [1.1] RITZMANN, Ulrike - DESPLAT, Louise - DUPE, Bertrand - CAMLEY, Robert E. - KIM, Joo-Von. Asymmetric skyrmion-antiskyrmion production in ultrathin ferromagnetic films. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 102, no. 17, 174409., Registrované v: WOS
18. [1.1] RITZMANN, Ulrike - VON MALOTTKI, Stephan - KIM, Joo-Von - HEINZE, Stefan - SINOVA, Jairo - DUPE, Bertrand. Trochoidal motion and pair generation in skyrmion and antiskyrmion dynamics under spin-orbit torques. In NATURE ELECTRONICS. ISSN 2520-1131, 2018, vol. 1, no. 8, pp. 451-457., Registrované v: WOS
19. [1.1] RYBAKOV, Filipp N. - KISELEV, Nikolai S. Chiral magnetic skyrmions with arbitrary topological charge. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 99, no. 6., Registrované v: WOS
20. [1.1] SHARAFULLIN, Ildus F. - DIEP, Hung T. Skyrmion Crystals and Phase Transitions in Magneto-Ferroelectric Superlattices: Dzyaloshinskii-Moriya Interaction in a Frustrated J(1) J(2) Model. In SYMMETRY-BASEL, 2020, vol. 12, no. 1, 26., Registrované v: WOS
21. [1.1] SPAGNOLO, Bernardo - CAROLLO, Angelo - VALENTI, Davide. Stabilization by dissipation and stochastic resonant activation in quantum metastable systems. In EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS. ISSN 1951-6355, 2018, vol. 227, no. 3-4, pp. 379-420., Registrované v: WOS

22. [1.1] VILLALBA, M. E. - GOMEZ ALBARRACIN, F. A. - ROSALES, H. D. - CABRA, D. C. Field-induced pseudo-skyrmion phase in the antiferromagnetic kagome lattice. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 100, no. 24, 245106., Registrované v: WOS
23. [1.1] VON MALOTTKI, Stephan - BESSARAB, Pavel F. - HALDAR, Soumyajyoti - DELIN, Anna - HEINZE, Stefan. Skyrmion lifetime in ultrathin films. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 99, no. 6, 060409., Registrované v: WOS
24. [1.1] VON MALOTTKI, S. - DUPE, B. - BESSARAB, P. F. - DELIN, A. - HEINZE, S. Enhanced skyrmion stability due to exchange frustration. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2017, vol. 7, 12299., Registrované v: WOS
25. [1.1] WEISSENHOFER, M. - NOWAK, U. Diffusion of skyrmions: the role of topology and anisotropy. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2020, vol. 22, no. 10, 103059., Registrované v: WOS
26. [1.1] ZHANG, Xichao - XIA, Jing - ZHOU, Yan - LIU, Xiaoxi - ZHANG, Han - EZAWA, Motohiko. Skyrmion dynamics in a frustrated ferromagnetic film and current-induced helicity locking-unlocking transition. In NATURE COMMUNICATIONS. ISSN 2041-1723, 2017, vol. 8, 1717., Registrované v: WOS

ADCA1029 RÜHLÄNDER, M. - MARKOŠ, Peter - SOUKOULIS, C.M. Conductance fluctuations and boundary conditions. In *Physical Review B*, 2001, vol. 64, no. 17, p. 172202. (2000: 3.065 - IF, Current Contents - CCC). (2001 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.64.172202>

Ohlasy:

1. [1.1] HU, Yayun - LIU, Haiwen - JIANG, Hua - XIE, X. C. Numerical study of universal conductance fluctuations in three-dimensional topological semimetals. In PHYSICAL REVIEW B. ISSN 2469-9950, 2017, vol. 96, no. 13, 134201., Registrované v: WOS
2. [1.2] SUSLOV, I. M. Conductance Distribution in 1D Systems: Dependence on the Fermi Level and the Ideal Leads. In *Journal of Experimental and Theoretical Physics*. ISSN 10637761, 2019, vol. 129, no. 5, pp. 877-895., Registrované v: SCOPUS

ADCA1030 RUNGTA, P. - BUŽEK, Vladimír - CAVES, C.M. - HILLERY, M. - MILBURN, G.J. Universal state inversion and concurrence in arbitrary dimensions. In *Physical Review A*, 2001, vol. 64, no. 4, p. 042315. (2000: 2.684 - IF). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.64.042315>

Ohlasy:

1. [1.1] AFSANEH, E. - HAROUNI, M. Bagheri. Robust entanglement of an asymmetric quantum dot molecular system in a Josephson junction. In *HELIYON*. ISSN 2405-8440, 2020, vol. 6, no. 7, e04484., Registrované v: WOS
2. [1.1] AKHTARSHENAS, S. Javad - MOHAMMADI, Hamidreza - KARIMI, Saman - AZMI, Zahra. Computable measure of quantum correlation. In *QUANTUM INFORMATION PROCESSING*. ISSN 1570-0755, 2015, vol. 14, no. 1, pp. 247., Registrované v: WOS
3. [1.1] ALAM, Nasir - VERMA, Amit - PATHAK, Anirban. Higher-order nonclassicalities of finite dimensional coherent states: A

- comparative study. In PHYSICS LETTERS A. ISSN 0375-9601, 2018, vol. 382, no. 28, pp. 1842-1851., Registrované v: WOS
4. [1.1] AOLITA, Leandro - DE MELO, Fernando - DAVIDOVICH, Luiz. Open-system dynamics of entanglement: a key issues review. In REPORTS ON PROGRESS IN PHYSICS. ISSN 0034-4885, 2015, vol. 78, no. 4, 042001., Registrované v: WOS
5. [1.1] APPLEBY, D. M. - FUCHS, Christopher A. - ZHU, Huangjun. GROUP THEORETIC, LIE ALGEBRAIC AND JORDAN ALGEBRAIC FORMULATIONS OF THE SIC EXISTENCE PROBLEM. In QUANTUM INFORMATION & COMPUTATION. ISSN 1533-7146, 2015, vol. 15, no. 1-2, pp. 61., Registrované v: WOS
6. [1.1] ARAVINDA, S. - SRIKANTH, R. - PATHAK, Anirban. On the origin of nonclassicality in single systems. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2017, vol. 50, no. 46, 465303., Registrované v: WOS
7. [1.1] ASOKAN, S. - IVAN, J. Solomon. Gaussian spatialpolarization entanglement in a folded Mach-Zehnder interferometer. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA A-OPTICS IMAGE SCIENCE AND VISION. ISSN 1084-7529, 2020, vol. 37, no. 5, pp. 825-832., Registrované v: WOS
8. [1.1] AVILA, M. - RUEDA-PAZ, J. Uncertainty Relations for the Entanglement Between a Qubit and a Qutrit. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2020, vol. 59, no. 1, pp. 108-113., Registrované v: WOS
9. [1.1] BAGHSHAHI, Hamid Reza - TAVASSOLY, Mohammad Kazem - FAGHIHI, Mohammad Javad. Entanglement Criteria of Two Two-Level Atoms Interacting with Two Coupled Modes. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2015, vol. 54, no. 8, pp. 2839., Registrované v: WOS
10. [1.1] BAGHSHAHI, H. R. - TAVASSOLY, M. K. Dynamics of different entanglement measures of two three-level atoms interacting nonlinearly with a single-mode field. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2015, vol. 130, no. 3, 37., Registrované v: WOS
11. [1.1] BAGHSHAHI, H. R. - TAVASSOLY, M. K. - BEHJAT, A. Entanglement of a damped non-degenerate lozenge- type atom interacting nonlinearly with a single-mode cavity. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2016, vol. 131, no. 4., Registrované v: WOS
12. [1.1] BAHMANI, H. - NAJARBASHI, G. - TAVANA, A. Generalized concurrence and quantum phase transition in spin-1 Heisenberg model. In PHYSICA SCRIPTA. ISSN 0031-8949, 2020, vol. 95, no. 5, 055701., Registrované v: WOS
13. [1.1] BARASINSKI, Artur - NOWOTARSKI, Mateusz. Certifying separability and entanglement classes of not-completely-permutation-symmetric qudit states. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 94, no. 6, 062319., Registrované v: WOS
14. [1.1] BASSO, Marcos L. W. - MAZIERO, Jonas. Complete complementarity relations for multipartite pure states. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2020, vol. 53, no. 46, 465301., Registrované v: WOS
15. [1.1] BHASKARA, Vineeth S. - PANIGRAHI, Prasanta K.

Generalized concurrence measure for faithful quantification of multiparticle pure state entanglement using Lagrange's identity and wedge product. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2017, vol. 16, no. 5, UNSP 118., Registrované v: WOS

16. [1.1] BRAIORR-ORRS, B. - WEYRAUCH, M. - RAKOV, M. V. NUMERICAL STUDIES OF ENTANGLEMENT PROPERTIES IN ONE- AND TWO-DIMENSIONAL QUANTUM ISING AND XXZ MODELS. In UKRAINIAN JOURNAL OF PHYSICS. ISSN 2071-0186, 2016, vol. 61, no. 7, pp. 613-626., Registrované v: WOS

17. [1.1] BROMLEY, Thomas R. - SILVA, Isabela A. - ONCEBAY-SEGURA, Charlie O. - et al. There is more to quantum interferometry than entanglement. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 95, no. 5, 052313., Registrované v: WOS

18. [1.1] BRUN, Todd A. - MLODINOW, Leonard. Decoherence by coupling to internal vibrational modes. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 94, no. 5, 052123., Registrované v: WOS

19. [1.1] CAMALET, S. Monogamy Inequality for Any Local Quantum Resource and Entanglement. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2017, vol. 119, no. 11, 110503., Registrované v: WOS

20. [1.1] COCCHIARELLA, Denise - SCALI, Stefano - RIBISI, Salvatore - NARDI, Bianca - BEL-HADJ-AISSA, Ghofrane - FRANZOSI, Roberto. Entanglement distance for arbitrary M-qudit hybrid systems. In PHYSICAL REVIEW A. ISSN 1050-2947, 2020, vol. 101, no. 4, 042129., Registrované v: WOS

21. [1.1] DAI, Yue - DONG, Yuli - XU, Zhenyu - YOU, Wenlong - ZHANG, Chengjie - GUEHNE, Otfried. Experimentally Accessible Lower Bounds for Genuine Multipartite Entanglement and Coherence Measures. In PHYSICAL REVIEW APPLIED. ISSN 2331-7019, 2020, vol. 13, no. 5, 054022., Registrované v: WOS

22. [1.1] DAI, Yue - YOU, Wenlong - DONG, Yuli - ZHANG, Chengjie. Triangle inequalities in coherence measures and entanglement concurrence. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 96, no. 6, 062308., Registrované v: WOS

23. [1.1] DANESHMAND, R. N. - TAVASSOLY, M. K. Generation of SU(1,1) and SU(2) entangled states in a quantized cavity field by strong-driving-assisted classical field approach. In LASER PHYSICS. ISSN 1054-660X, 2015, vol. 25, no. 5, 055203., Registrované v: WOS

24. [1.1] DAOUD, M. - LAAMARA, R. Ahl - SEDDIK, S. A recursive approach for geometric quantifiers of quantum correlations in multiqubit Schrodinger cat states. In INTERNATIONAL JOURNAL OF MODERN PHYSICS B. ISSN 0217-9792, 2015, vol. 29, no. 19, 1550124., Registrované v: WOS

25. [1.1] DATTA, Chandan - ADHIKARI, Satyabrata - DAS, Arpan - AGRAWAL, Pankaj. Distinguishing different classes of entanglement of three-qubit pure states. In EUROPEAN PHYSICAL JOURNAL D. ISSN 1434-6060, 2018, vol. 72, no. 9, 157., Registrované v: WOS

26. [1.1] DATTA, Chandan - AGRAWAL, Pankaj - CHOUDHARY, Sujit K. Measuring higher-dimensional entanglement. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 95, no. 4, 042323., Registrované v: WOS

27. [1.1] DEY, Sanjib - HUSSIN, Veronique. Entangled squeezed states

- in noncommutative spaces with minimal length uncertainty relations. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 12, 124017., Registrované v: WOS
28. [1.1] DIBAKAR, E. - KARIMI, A. - TAVASSOLY, M. K. Excitation and depletion of entangled squeezed states: their properties and generation. In PHYSICA SCRIPTA. ISSN 0031-8949, 2015, vol. 90, no. 8, 085102., Registrované v: WOS
29. [1.1] ELTSCHKA, Christopher - TOTH, Geza - SIEWERT, Jens. Partial transposition as a direct link between concurrence and negativity. In PHYSICAL REVIEW A. ISSN 2469-9926, 2015, vol. 91, no. 3, 032327., Registrované v: WOS
30. [1.1] ELTSCHKA, Christopher - HUBER, Felix - GUEHNE, Otfried - SIEWERT, Jens. Exponentially many entanglement and correlation constraints for multipartite quantum states. In PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 98, no. 5, 052317., Registrované v: WOS
31. [1.1] ELTSCHKA, Christopher - SIEWERT, Jens. Distribution of entanglement and correlations in all finite dimensions. In QUANTUM. ISSN 2521-327X, 2018, vol. 2, UNSP 64., Registrované v: WOS
32. [1.1] ELTSCHKA, Christopher - SIEWERT, Jens. Maximum N-body correlations do not in general imply genuine multipartite entanglement. In QUANTUM. ISSN 2521-327X, 2020, vol. 4., Registrované v: WOS
33. [1.1] ELTSCHKA, Christopher - SIEWERT, Jens. Joint Schmidt-type decomposition for two bipartite pure quantum states. In PHYSICAL REVIEW A. ISSN 2469-9926, 2020, vol. 101, no. 2, 022302., Registrované v: WOS
34. [1.1] FAN, Xiao-Gang - SUN, Wen-Yang - DING, Zhi-Yong - MING, Fei - YANG, Huan - WANG, Dong - YE, Liu. Universal complementarity between coherence and intrinsic concurrence for two-qubit states. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2019, vol. 21, 093053., Registrované v: WOS
35. [1.1] FARACE, Alessandro - DE PASQUALE, Antonella - ADESSO, Gerardo - GIOVANNETTI, Vittorio. Building versatile bipartite probes for quantum metrology. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2016, vol. 18, 013049., Registrované v: WOS
36. [1.1] FLAYAC, H. - MINKOV, M. - SAVONA, V. Remote macroscopic entanglement on a photonic crystal architecture. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 92, no. 4, 043812., Registrované v: WOS
37. [1.1] GAETA, Mario - KLIMOV, Andrei - LAWRENCE, Jay. Maximally entangled states of four nonbinary particles. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 91, no. 1, 012332., Registrované v: WOS
38. [1.1] GAO, Limin - YAN, Fengli - GAO, Ting. Monogamy Inequality in Terms of Entanglement Measures Based on Distance for Pure Multiqubit States. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2020, vol. 59, no. 10, pp. 3098-3106., Registrované v: WOS
39. [1.1] GAO, Li-Min - YAN, Feng-Li - GAO, Ting. Tighter monogamy relations of multiqubit entanglement in terms of Renyi-alpha entanglement. In COMMUNICATIONS IN THEORETICAL PHYSICS. ISSN 0253-6102, 2020, vol. 72, no. 8, 085102., Registrované v: WOS
40. [1.1] GEBREMARIAM, Tesfay - ZENG, Yexiong - LI, Chong. Dynamics of quantum correlations for two mode entangled coherent fields. In

RESULTS IN PHYSICS. ISSN 2211-3797, 2017, vol. 7, pp. 3773-3777.,
Registrované v: WOS

41. [1.1] GHASEMIAN, E. - TAVASSOLY, M. K. Generation of various classes of entangled states in a two-mode Bose-Einstein condensate under the influence of interatom collisions. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2019, vol. 34, no. 34, 1950282., Registrované v: WOS

42. [1.1] GRAYDON, Matthew A. - APPLEBY, D. M. Entanglement and designs. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2016, vol. 49, no. 33, 33LT02., Registrované v: WOS

43. [1.1] GUO, Yu - GOUR, Gilad. Monogamy of the entanglement of formation. In PHYSICAL REVIEW A. ISSN 1050-2947, 2019, vol. 99, no. 4, 042305., Registrované v: WOS

44. [1.1] GUO, Yu - ZHANG, Lin. Multipartite entanglement measure and complete monogamy relation. In PHYSICAL REVIEW A. ISSN 1050-2947, 2020, vol. 101, no. 3, 032301., Registrované v: WOS

45. [1.1] HAN, Yu - LI, Zhen - KUANG, Le-Man. Quantum dynamics of an impurity-doped Bose-Einstein condensate system. In COMMUNICATIONS IN THEORETICAL PHYSICS. ISSN 0253-6102, 2020, vol. 72, no. 9, 095102., Registrované v: WOS

46. [1.1] HEBBACHE, M. Generation of a three-qudit GHZ state with diamond defect spins. In EPL. ISSN 0295-5075, 2016, vol. 115, no. 2, 28003., Registrované v: WOS

47. [1.1] HUAN, Tian-tian - ZHOU, Ri-gui - IAN, Hou. Synchronization of two cavity-coupled qubits measured by entanglement. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2020, vol. 10, no. 1, 12975., Registrované v: WOS

48. [1.1] HUBER, Felix - SEVERINI, Simone. Some Ulam's reconstruction problems for quantum states. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2018, vol. 51, no. 43, 435301., Registrované v: WOS

49. [1.1] CHANDRA, N. - PARIDA, S. Quantum Entanglement in Photon-Induced Electron Spectroscopy of Atoms and Molecules: Its Generation, Characterization, and Applications. In ADVANCES IN IMAGING AND ELECTRON PHYSICS, VOL 196. ISSN 1076-5670, 2016, vol. 196, no., pp. 1-164., Registrované v: WOS

50. [1.1] CHEN, Li - YANG, Ming - ZHANG, Li-Hua - et al. Directly measuring the concurrence of two-atom state via detecting coherent lights. In LASER PHYSICS LETTERS. ISSN 1612-2011, 2017, vol. 14, no. 11, 115205., Registrované v: WOS

51. [1.1] CHEN, Liang - ZHANG, Ye-Qi - HAN, Rong-Sheng. Robustness of coherence between two quantum dots mediated by Majorana fermions. In CHINESE PHYSICS B. ISSN 1674-1056, 2018, vol. 27, no. 7, 077102., Registrované v: WOS

52. [1.1] CHEN, Wei - FEI, Shao-Ming - ZHENG, Zhu-Jun. Lower bound on concurrence for arbitrary-dimensional tripartite quantum states. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2016, vol. 15, no. 9, pp. 3761-3771., Registrované v: WOS

53. [1.1] CHEN, Wei - ZHU, Xue-Na - FEI, Shao-Ming - ZHENG, Zhu-Jun. Lower bound of multipartite concurrence based on sub-partite quantum systems. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755,

- 2017, vol. 16, no. 12, UNSP 288., Registrované v: WOS
54. [1.1] CHIN, Seungbeom. Coherence number as a discrete quantum resource. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 96, no. 4, 042336., Registrované v: WOS
55. [1.1] JAFARIZADEH, M. A. - HESHMATI, A. - KARIMI, N. - MOHAMADZADEH, A. Study of Tangle on the Three Qubit Werner States by Using of Twirl Operation. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2020, vol. 59, no. 4, pp. 1043-1057., Registrované v: WOS
56. [1.1] JAKUBCZYK, D. - JAKUBCZYK, P. System Size Dependence of Entanglement in Quantum One-Dimensional Models. In ACTA PHYSICA POLONICA A. ISSN 0587-4246, 2017, vol. 132, no. 1, pp. 158-160., Registrované v: WOS
57. [1.1] JEBLI, L. - BENZIMOUN, B. - DAOUD, M. Quantum correlations for two-qubit X states through the local quantum uncertainty. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION. ISSN 0219-7499, 2017, vol. 15, no. 3, 1750020., Registrované v: WOS
58. [1.1] JIN, Wei - ZHAO, Peilin - CHE, Junling - XIANG, Dan. The Relation of Concurrence and Purity for Multi-Qubit of Pure States. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2020, vol. 59, no. 9, pp. 2751-2756., Registrované v: WOS
59. [1.1] JIN, Zhi-Xiang - FEI, Shao-Ming. Tighter entanglement monogamy relations of qubit systems. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2017, vol. 16, no. 3, UNSP 77., Registrované v: WOS
60. [1.1] JIN, Zhi-Xiang - FEI, Shao-Ming - LI-JOST, Xianqing. Improved monogamy relations with concurrence of assistance and negativity of assistance for multiqubit W-class states. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2018, vol. 17, no. 9, UNSP 213., Registrované v: WOS
61. [1.1] JIN, Zhi-Xiang - FEI, Shao-Ming. Tighter monogamy relations of quantum entanglement for multiqubit W-class states. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2018, vol. 17, no. 1, UNSP 2., Registrované v: WOS
62. [1.1] JIN, Zhi-Xiang - FEI, Shao-Ming - LI-JOST, Xianqing. Generalized Entanglement Monogamy and Polygamy Relations for N-Qubit Systems. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2019, vol. 58, no. 5, pp. 1576-1589., Registrované v: WOS
63. [1.1] JIN, Zhi-Xiang - FEI, Shao-Ming. Polygamy relations of multipartite entanglement beyond qubits. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2019, vol. 52, no. 16, 165303., Registrované v: WOS
64. [1.1] JIN, Zhi-Xiang - FEI, Shao-Ming - QIAO, Cong-Feng. Polygamy relations of multipartite systems. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2019, vol. 18, no. 4, 105., Registrované v: WOS
65. [1.1] JIN, Zhi-Xiang - FEI, Shao-Ming. Finer distribution of quantum correlations among multiqubit systems. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2019, vol. 18, no. 1, 21., Registrované v: WOS
66. [1.1] JIN, Zhi-Xiang - FEI, Shao-Ming - QIAO, Cong-Feng.

- Complementary quantum correlations among multipartite systems. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2020, vol. 19, no. 3, 101., Registrované v: WOS
67. [1.1] JIN, Zhi-Xiang - FEI, Shao-Ming. Tighter generalized monogamy and polygamy relations for multiqubit systems. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2020, vol. 19, no. 1, 23., Registrované v: WOS
68. [1.1] JIN, Zhi-Xiang - LI, Jun - LI, Tao - FEI, Shao-Ming. Tighter monogamy relations in multiqubit systems. In PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 97, no. 3, 032336., Registrované v: WOS
69. [1.1] JIN, Zhi-Xiang - LI-JOST, Xianqing - FEI, Shao-Ming. Triangle-like inequalities related to coherence and entanglement negativity. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2019, vol. 18, no. 1, 5., Registrované v: WOS
70. [1.1] JOHANSSON, Niklas - LARSSON, Jan-Ake. Quantum Simulation Logic, Oracles, and the Quantum Advantage. In ENTROPY, 2019, vol. 21, no. 8, 800., Registrované v: WOS
71. [1.1] JOZSA, Richard - MITCHISON, Graeme. Symmetric polynomials in information theory: Entropy and subentropy. In JOURNAL OF MATHEMATICAL PHYSICS. ISSN 0022-2488, 2015, vol. 56, no. 6, 062201., Registrované v: WOS
72. [1.1] KALE, Sumit Suresh - DING, Yijue - CHEN, Yong P. - FRIEDRICH, Bretislav - KAIS, Sabre. Spin-momentum entanglement in a Bose-Einstein condensate. In PHYSICAL CHEMISTRY CHEMICAL PHYSICS. ISSN 1463-9076, 2020, vol. 22, no. 44, pp. 25669-25674., Registrované v: WOS
73. [1.1] KARIMI, Amir - DIBAJI, Hassan. Entangled squeezed coherent states: generation and their nonclassical properties in comparison with other entangled states. In APPLIED PHYSICS B-LASERS AND OPTICS. ISSN 0946-2171, 2020, vol. 126, no. 2, 24., Registrované v: WOS
74. [1.1] KARIMI, Amir - TAVASSOLY, Mohammad Kazem. Production, Entanglement and Polarization of Nonlinear Excited Entangled Coherent States of Some Realizations of the SU(1,1) and SU(2) Groups. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2016, vol. 55, no. 1, pp. 563-576., Registrované v: WOS
75. [1.1] KARIMI, Amir. Two-mode photon-added entangled coherent-squeezed states: their entanglement and nonclassical properties. In APPLIED PHYSICS B-LASERS AND OPTICS. ISSN 0946-2171, 2017, vol. 123, no. 6, 181., Registrované v: WOS
76. [1.1] KARIMI, A. - TAVASSOLY, M. K. Single-mode nonlinear excited entangled coherent states and their nonclassical properties. In PHYSICA SCRIPTA. ISSN 0031-8949, 2015, vol. 90, no. 1, 015101., Registrované v: WOS
77. [1.1] KARIMI, A. - TAVASSOLY, M. K. Generation of entangled coherent-squeezed states: their entanglement and nonclassical properties. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2016, vol. 15, no. 4, pp. 1513-1527., Registrované v: WOS
78. [1.1] KARIMI, A. - TAVASSOLY, M. K. Deformed photon-added entangled squeezed vacuum and one-photon states: Entanglement, polarization, and nonclassical properties. In CHINESE PHYSICS B. ISSN 1674-1056, 2016, vol. 25, no. 4, 040303., Registrované v: WOS

79. [1.1] KOUZAKOV, Konstantin A. - CHOTORLISHVILI, Levan - WAETZEL, Jonas - BERAHDAR, Jamal - ERNST, Arthur. Entanglement balance of quantum (e, 2e) scattering processes. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 2, 022311., Registrované v: WOS
80. [1.1] KOUZAKOV, K. A. QUANTUM ENTANGLEMENT IN THE NONRELATIVISTIC COLLISION BETWEEN TWO IDENTICAL FERMIONS WITH SPIN 1/2. In THEORETICAL AND MATHEMATICAL PHYSICS. ISSN 0040-5779, 2019, vol. 201, no. 2, pp. 1664-1679., Registrované v: WOS
81. [1.1] LIANG, Yanying - FENG, Xiufang - CHEN, Wei. Monogamy and polygamy for multi-qubit W-class states using convex-roof extended negativity of assistance and Renyi-alpha entropy. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2017, vol. 16, no. 12, UNSP 300., Registrované v: WOS
82. [1.1] LIANG, Yanying - ZHENG, Zhu-Jun - ZHU, Chuan-Jie. Monogamy and polygamy for generalized W-class states using Renyi-alpha entropy. In PHYSICAL REVIEW A. ISSN 2469-9926, 2020, vol. 102, no. 6, 062428., Registrované v: WOS
83. [1.1] LIANG, Yanying - ZHU, Chuan-Jie - ZHENG, Zhu-Jun. Tighter Monogamy Constraints in Multi-Qubit Entanglement Systems. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2020, vol. 59, no. 4, pp. 1291-1305., Registrované v: WOS
84. [1.1] LINOWSKI, Tomasz - RAJCHEL-MIELDZIOK, Grzegorz - ZYCZKOWSKI, Karol. Entangling power of multipartite unitary gates. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2020, vol. 53, no. 12, 125303., Registrované v: WOS
85. [1.1] LI, Dafa - GUO, Yu. Local unitary equivalence of the SLOCC class of three qubits. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2020, vol. 53, no. 38, 385302., Registrované v: WOS
86. [1.1] LI, Jun-Li - QIAO, Cong-Feng. Separable decompositions of bipartite mixed states. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2018, vol. 17, no. 4, UNSP 92., Registrované v: WOS
87. [1.1] LI, Ming - QIN, Huihui - ZHANG, Chengjie - SHEN, Shuqian - FEI, Shao-Ming - FAN, Heng. Characterizing multipartite entanglement by violation of CHSH inequalities. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2020, vol. 19, no. 5, 142., Registrované v: WOS
88. [1.1] LI, Zhen - HAN, Yu - KUANG, Le-Man. Complementarity between micro-micro and micro-macro entanglement in a Bose-Einstein condensate with two Rydberg impurities. In COMMUNICATIONS IN THEORETICAL PHYSICS. ISSN 0253-6102, 2020, vol. 72, no. 2, 025101., Registrované v: WOS
89. [1.1] LONE, M. Q. - DEY, A. - YARLAGADDA, S. Study of two-spin entanglement in singlet states. In SOLID STATE COMMUNICATIONS. ISSN 0038-1098, 2015, vol. 202, pp. 73., Registrované v: WOS
90. [1.1] MACIESZCZAK, Katarzyna - LEVI, Emanuele - MACRI, Tommaso - LESANOVSKY, Igor - GARRAHAN, Juan P. Coherence, entanglement, and quantumness in closed and open systems with conserved

- charge, with an application to many-body localization. In PHYSICAL REVIEW A. ISSN 1050-2947, 2019, vol. 99, no. 5, 052354., Registrované v: WOS
91. [1.1] MAHDIAN, M. - KOUHESTANI, H. Thermal Quantum Correlations in Photosynthetic Light-Harvesting Complexes. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2015, vol. 54, no. 8, pp. 2576., Registrované v: WOS
92. [1.1] MAJTEY, A. P. - BOUVRIE, P. A. - VALDES-HERNANDEZ, A. - PLASTINO, A. R. Multipartite concurrence for identical-fermion systems. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 93, no. 3, 032335., Registrované v: WOS
93. [1.1] MALEKI, Yusef - AHANSAZ, Bahram. Quantum correlations in qutrit-like superposition of spin coherent states. In LASER PHYSICS LETTERS. ISSN 1612-2011, 2019, vol. 16, no. 7, 075205., Registrované v: WOS
94. [1.1] MANSOUR, Mostafa - DAHBI, Zakaria. Entanglement of bipartite partly non-orthogonal $1/2$ -spin coherent states. In LASER PHYSICS. ISSN 1054-660X, 2020, vol. 30, no. 8, 085201., Registrované v: WOS
95. [1.1] MANSOUR, Mostafa - HASSOUNI, Yassine. Entanglement of spin coherent mixed states. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION. ISSN 0219-7499, 2016, vol. 14, no. 1, 1650004., Registrované v: WOS
96. [1.1] MAO, Lijun - LIU, Yanxia - ZHANG, Yunbo. Entanglement dynamics of the ultrastrong-coupling three-qubit Dicke model. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 93, no. 5, 052305., Registrované v: WOS
97. [1.1] MARQUES, B. - MATOSO, A. A. - PIMENTA, W. M. - GUTIERREZ-ESPARZA, A. J. - SANTOS, M. F. - PADUA, S. Experimental simulation of decoherence in photonics qudits. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2015, vol. 5, 16049., Registrované v: WOS
98. [1.1] MAZZA, Leonardo - ROSSINI, Davide - FAZIO, Rosario - ENDRES, Manuel. Detecting two-site spin-entanglement in many-body systems with local particle-number fluctuations. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2015, vol. 17, 013015., Registrované v: WOS
99. [1.1] MISHRA, Manoj K. - MAURYA, Ajay K. - PRAKASH, Hari. Quantum Discord and Entanglement of Quasi-Werner States Based on Bipartite Entangled Coherent States. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2016, vol. 55, no. 6, pp. 2735-2745., Registrované v: WOS
100. [1.1] MOTAMEDIFAR, Mostafa. Pairwise thermal entanglement and quantum discord in a three-ligand spin-star structure. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2017, vol. 16, no. 6, UNSP 162., Registrované v: WOS
101. [1.1] NAMKUNG, Min - KWON, Younghun. Coherence and Entanglement Dynamics in Training Variational Quantum Perceptron. In ENTROPY, 2020, vol. 22, no. 11, 1277., Registrované v: WOS
102. [1.1] NSOFINI, Joachim - SARENAC, Dusan - WOOD, Christopher J. - CORY, David G. - ARIF, Muhammad - CLARK, Charles W. - HUBER, Michael G. - PUSHIN, Dmitry A. Spin-orbit states of neutron wave packets. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 94, no. 1, 013605., Registrované v: WOS

103. [1.1] OBADA, A.S. F. - HESSIAN, H. A. - MOHAMED, A.B. A. - HASHEM, M. Effects of a phase-damping cavity on entanglement and purity loss in two-qubit system. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2015, vol. 14, no. 6, pp. 2043., Registrované v: WOS
104. [1.1] ORSZAG, Miguel - CIOBANU, Nelu - COTO, Raul - EREMEEV, Vitalie. Quantum correlations in cavity QED networks. In JOURNAL OF MODERN OPTICS. ISSN 0950-0340, 2015, vol. 62, no. 8, pp. 593., Registrované v: WOS
105. [1.1] OXMAN, Luis E. - KHOURY, Antonio Z. - LOMBARDO, Fernando C. - VILLAR, Paula. Two-qudit geometric phase evolution under dephasing. In ANNALS OF PHYSICS. ISSN 0003-4916, 2018, vol. 390, pp. 159-179., Registrované v: WOS
106. [1.1] PAN, Minghua - QIU, Daowen - MATEUS, Paulo - GRUSKA, Jozef. Entangling and disentangling in Grover's search algorithm. In THEORETICAL COMPUTER SCIENCE. ISSN 0304-3975, 2019, vol. 773, pp. 138-152., Registrované v: WOS
107. [1.1] PARSIAN, Hossein - AKHOUND, Ahmad. Classical and quantum correlations for a family of two-qutrit states. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION. ISSN 0219-7499, 2019, vol. 17, no. 3, 1950028., Registrované v: WOS
108. [1.1] PARSIAN, H. - AKHOUND, A. Correlations for a Family of Two-Ququart Quantum States. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2020, vol. 59, no. 3, pp. 772-785., Registrované v: WOS
109. [1.1] PUENTES, Graciana. High-dimensional angular two-photon interference and angular qudit states. In OSA CONTINUUM. ISSN 2578-7519, 2020, vol. 3, no. 6, pp. 1616-1632., Registrované v: WOS
110. [1.1] QIANG, Wen-Chao - SUN, Guo-Hua - DONG, Qian - CAMACHO-NIETO, Oscar - DONG, Shi-Hai. Concurrence of three Jaynes-Cummings systems. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2018, vol. 17, no. 4, UNSP 90., Registrované v: WOS
111. [1.1] QIU, Peng-Hui - CHEN, Xiao-Guang - SHI, Yi-Wei. Detecting Entanglement With Deep Quantum Neural Networks. In IEEE ACCESS. ISSN 2169-3536, 2019, vol. 7, pp. 94310-94320., Registrované v: WOS
112. [1.1] QI, Xianfei - GAO, Ting - YAN, Fengli. nni Measuring coherence with entanglement concurrence. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2017, vol. 50, no. 28, 285301., Registrované v: WOS
113. [1.1] QI, Xianfei - GAO, Ting - YAN, Fengli. Lower bounds of concurrence for N-qubit systems and the detection of k-nonseparability of multipartite quantum systems. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2017, vol. 16, no. 1, UNSP 23., Registrované v: WOS
114. [1.1] RAJA, Sina Hamedani - MOHAMMADI, Hamidreza - AKHTARSHENAS, Seyed Javad. Geometric discord of the Jaynes-Cummings model: pure dephasing regime. In EUROPEAN PHYSICAL JOURNAL D. ISSN 1434-6060, 2015, vol. 69, no. 1, 14., Registrované v: WOS
115. [1.1] ROSATI, Matteo - GIOVANNETTI, Vittorio. Asymmetric information capacities of reciprocal pairs of quantum channels. In PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 97, no. 5, 052318., Registrované v: WOS

116. [1.1] SELVAN, Karthick - PANIGRAHI, Prasanta K. Entanglement condition for W type multimode states and schemes for experimental realization. In EUROPEAN PHYSICAL JOURNAL D. ISSN 1434-6060, 2019, vol. 73, no. 6, 127., Registrované v: WOS
117. [1.1] SENTIS, Gael - ELTSCHKA, Christopher - SIEWERT, Jens. Quantitative bound entanglement in two-qutrit states. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 94, no. 2, 020302., Registrované v: WOS
118. [1.1] SENTIS, Gael - ELTSCHKA, Christopher - GUEHNE, Otfried - HUBER, Marcus - SIEWERT, Jens. Quantifying Entanglement of Maximal Dimension in Bipartite Mixed States. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2016, vol. 117, no. 19, 190502., Registrované v: WOS
119. [1.1] SEN, Surajit - DEY, Tushar Kanti - NATH, Mihir Ranjan. Collapse and revival oscillation in Double Jaynes-Cummings model. In EUROPEAN PHYSICAL JOURNAL D. ISSN 1434-6060, 2019, vol. 73, no. 1, 3., Registrované v: WOS
120. [1.1] SHUKLA, Chitra - BANERJEE, Anindita - PATHAK, Anirban. Protocols and quantum circuits for implementing entanglement concentration in cat state, GHZ-like state and nine families of 4-qubit entangled states. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2015, vol. 14, no. 6, pp. 2077., Registrované v: WOS
121. [1.1] SINGH, Manu Pratap - RAJPUT, B. S. Processes of Quantum Associative Memory (QuAM) Through New Maximally Entangled States (Singh-Rajput MES). In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2016, vol. 55, no. 7, pp. 3207-3219., Registrované v: WOS
122. [1.1] SINGH, Manu Pratap - RAJPUT, Balwant S. New Maximally Entangled States for Pattern-Association Through Evolutionary Processes in a Two-Qubit System. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2017, vol. 56, no. 4, pp. 1274-1285., Registrované v: WOS
123. [1.1] SINGH, Sudha - OOI, C. H. Raymond. Dynamics of Kerr-like medium with two-mode intensity-dependent cavity fields. In LASER PHYSICS. ISSN 1054-660X, 2019, vol. 29, no. 1, 015202., Registrované v: WOS
124. [1.1] SIOMAU, Michael. Rank-dependant factorization of entanglement evolution. In PHYSICS LETTERS A. ISSN 0375-9601, 2016, vol. 380, no. 22-23, pp. 1936-1940., Registrované v: WOS
125. [1.1] SOLA, Ignacio R. - CHANG, Bo Y. - MALINOVSKAYA, Svetlana A. - MALINOVSKY, Vladimir S. Quantum Control in Multilevel Systems. In ADVANCES IN ATOMIC, MOLECULAR, AND OPTICAL PHYSICS, VOL 67. ISSN 1049-250X, 2018, vol. 67, pp. 151-256., Registrované v: WOS
126. [1.1] SORELLI, Giacomo - SHATOKHIN, Vyacheslav N. - ROUX, Filippus S. - BUCHLEITNER, Andreas. Diffraction-induced entanglement loss of orbital-angular-momentum states. In PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 97, no. 1, 013849., Registrované v: WOS
127. [1.1] SORELLI, Giacomo - SHATOKHIN, Vyacheslav N. - ROUX, Filippus S. - BUCHLEITNER, Andreas. Entanglement of truncated quantum states. In QUANTUM SCIENCE AND TECHNOLOGY. ISSN 2058-9565, 2020, vol. 5, no. 3, 035012., Registrované v: WOS
128. [1.1] SORELLI, Giacomo - SHATOKHIN, Vyacheslav N. -

- BUCHLEITNER, Andreas. Universal entanglement loss induced by angular uncertainty. In JOURNAL OF OPTICS. ISSN 2040-8978, 2020, vol. 22, no. 2, 024002., Registrované v: WOS
129. [1.1] SPEE, Cornelia. Certifying the purity of quantum states with temporal correlations. In PHYSICAL REVIEW A. ISSN 1050-2947, 2020, vol. 102, no. 1, 012420., Registrované v: WOS
130. [1.1] SRINIVASAN, K. - RAGHAVAN, G. Spin flip of multiqubit states in discrete phase space. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2017, vol. 50, no. 8, 085302., Registrované v: WOS
131. [1.1] SUR, Saikat - GHOSH, Anupam. Quantum counterpart of measure synchronization: A study on a pair of Harper systems. In PHYSICS LETTERS A. ISSN 0375-9601, 2020, vol. 384, no. 8, 126176., Registrované v: WOS
132. [1.1] TEITTINEN, J. - LYYRA, H. - SOKOLOV, B. - MANISCALCO, S. Revealing memory effects in phase-covariant quantum master equations. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2018, vol. 20, 073012., Registrované v: WOS
133. [1.1] TOTH, Geza - MORODER, Tobias - GUEHNE, Otfried. Evaluating Convex Roof Entanglement Measures. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 114, no. 16, 160501., Registrované v: WOS
134. [1.1] VALDES-HERNANDEZ, Andrea - BRAUER, Vctor H. T. - SANTIAGO ZAMORA, F. Guaranteed emergence of genuine entanglement in 3-qubit evolving systems. In EUROPEAN PHYSICAL JOURNAL D. ISSN 1434-6060, 2019, vol. 73, no. 11, 245., Registrované v: WOS
135. [1.1] VALDES-HERNANDEZ, A. - MAJTEY, A. P. - PLASTINO, A. R. Dynamics of entanglement in systems of identical fermions undergoing decoherence. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 91, no. 3, 032313., Registrované v: WOS
136. [1.1] WANG, Jun-Biao - ZHANG, Guo-Feng. Thermal Entanglement Between Atoms in the Four-Cavity Linear Chain Coupled by Single-Mode Fibers. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2018, vol. 57, no. 9, pp. 2585-2597., Registrované v: WOS
137. [1.1] WU, Feng-Lin - LIU, Si-Yuan - YANG, Wen-Li - FAN, Heng. Construction of Complete Orthogonal Genuine Multipartite Entanglement State. In CHINESE PHYSICS LETTERS. ISSN 0256-307X, 2019, vol. 36, no. 6, 060301., Registrované v: WOS
138. [1.1] WU, Wei - WANG, Jin. Wave-Particle-Entanglement-Ignorance Complementarity for General Bipartite Systems. In ENTROPY, 2020, vol. 22, no. 8, 813., Registrované v: WOS
139. [1.1] WYDERKA, Nikolai - HUBER, Felix - GUEHNE, Otfried. Constraints on correlations in multiqubit systems. In PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 97, no. 6, 060101., Registrované v: WOS
140. [1.1] YANG, Huan - DING, Zhi-Yong - SUN, Wen-Yang - MING, Fei - FAN, Xiao-Gang - WANG, Dong - ZHANG, Chang-Jin - YE, Liu. Exploring maximal steered coherence and entanglement via quantum steering ellipsoid framework. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2019, vol. 18, no. 10, 299., Registrované v: WOS
141. [1.1] YANG, Long-Mei - CHEN, Bin - FEI, Shao-Ming - WANG,

- Zhi-Xi. Tighter Constraints of Multiqubit Entanglement. In COMMUNICATIONS IN THEORETICAL PHYSICS. ISSN 0253-6102, 2019, vol. 71, no. 5, pp. 545-554., Registrované v: WOS
142. [1.1] YOSEFPOR, Mohammad - MOSTAAN, Mohammad Reza - RAEISI, Sadegh. Finding semi-optimal measurements for entanglement detection using autoencoder neural networks. In QUANTUM SCIENCE AND TECHNOLOGY. ISSN 2058-9565, 2020, vol. 5, no. 4, 045006., Registrované v: WOS
143. [1.1] YUAN, Xiao - ZHOU, Hongyi - CAO, Zhu - MA, Xiongfeng. Intrinsic randomness as a measure of quantum coherence. In PHYSICAL REVIEW A. ISSN 2469-9926, 2015, vol. 92, no. 2, 022124., Registrované v: WOS
144. [1.1] ZHANG, Chengjie - YU, Sixia - CHEN, Qing - YUAN, Haidong - OH, C. H. Evaluation of entanglement measures by a single observable. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 94, no. 4, 042325., Registrované v: WOS
145. [1.1] ZHANG, Limei - GAO, Ting - YAN, Fengli. Relations among k-ME concurrence, negativity, polynomial invariants, and tangle. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2019, vol. 18, no. 6, 194., Registrované v: WOS
146. [1.1] ZHANG, Lin - PATI, Arun Kumar - WU, Junde. Interference visibility, entanglement, and quantum correlation. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 92, no. 2, 022316., Registrované v: WOS
147. [1.1] ZHANG, Tinggui - HUANG, Xiaofen - FEI, Shao-Ming. Note on product-form monogamy relations for nonlocality and other correlation measures. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2020, vol. 53, no. 15, 155304., Registrované v: WOS
148. [1.1] ZHAO, Chao - YANG, Guo-wu - HUNG, William N. N. - LI, Xiao-yu. A multipartite entanglement measure based on coefficient matrices. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2015, vol. 14, no. 8, pp. 2861., Registrované v: WOS
149. [1.1] ZHAO, Chao - YANG, Guo-wu - LI, Xiao-yu. A New Multipartite Entanglement Measure for Arbitrary n-qudit Pure States. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2016, vol. 55, no. 3, pp. 1668-1678., Registrované v: WOS
150. [1.1] ZHOU, Guang-Yong - HUANG, Lin-Jian - PAN, Jun-Ya - HU, Li-Yun - HUANG, Jie-Hui. Quantifying quantum correlation via quantum coherence. In FRONTIERS OF PHYSICS. ISSN 2095-0462, 2018, vol. 13, no. 4, 130701., Registrované v: WOS
151. [1.1] ZHU, Xue-Na - BAO, Gui. Monogamy properties of any dimensional quantum systems. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2019, vol. 18, no. 9, 289., Registrované v: WOS
152. [1.1] ZHU, Xue-Na - FEI, Shao-Ming. Generalized monogamy relations of concurrence for N-qubit systems. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 92, no. 6, 062345., Registrované v: WOS
153. [1.1] ZHU, Xue-Na - FEI, Shao-Ming. General monogamy relations of quantum entanglement for multiqubit W-class states. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2017, vol. 16, no. 2, UNSP 53., Registrované v: WOS

154. [1.1] ZHU, Xue-Na - FEI, Shao-Ming - LI-JOST, Xianqing. Analytical expression of quantum discord for rank-2 two-qubit states. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2018, vol. 17, no. 9, UNSP 234., Registrované v: WOS
155. [1.1] ZHU, Xue-Na - FEI, Shao-Ming. Monogamy properties of qubit systems. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2019, vol. 18, no. 1, 23., Registrované v: WOS
156. [1.1] ZHU, Xue-Na - JIN, Zhi-Xiang - FEI, Shao-Ming. Polygamy Inequalities for Qubit Systems. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2019, vol. 58, no. 8, pp. 2488-2496., Registrované v: WOS
157. [1.1] ZHU, Xue-Na - LI, Ming - FEI, Shao-Ming. A lower bound of concurrence for multipartite quantum systems. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2018, vol. 17, no. 2, UNSP 30., Registrované v: WOS
158. [1.1] ZHU, Xue-Na - LI-JOST, Xianqing - FEI, Shao-Ming. Monogamy relations of concurrence for any dimensional quantum systems. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2017, vol. 16, no. 11, UNSP 279., Registrované v: WOS

ADCA1031 RUSANOV, B. A.** - SIDOROV, V. E. - ŠVEC, Peter - ŠVEC, Peter Jr. - JANIČKOVIČ, Dušan. Effects of Rare-Earth Metals on the Thermal Stability and Glass-Forming Ability of Al-Ni-Co-R Amorphous Alloys. In *Russian journal of inorganic chemistry*, 2020, vol. 65, no. 5, p. 663–667. (2019: 0.940 - IF, Q4 - JCR, 0.261 - SJR, Q3 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 0036-0236. Dostupné na: <https://doi.org/10.1134/S0036023620050198>

Ohlasy:

1. [1.1] STOLYAROVA, V. L. - VOROZHTCOV, V. A. High Temperature Study of Oxide Systems: Thermal Analysis and Knudsen Effusion Mass Spectrometry. In RUSSIAN JOURNAL OF PHYSICAL CHEMISTRY A. ISSN 0036-0244, 2020, vol. 94, no. 13, pp. 2640-2647., Registrované v: WOS

ADCA1032 RUSSEW, K. - SOMMER, F. - DUHAJ, Pavol - BAKONYI, Y. Viscous-flow behavior of NIXZR100-X metallic glasses from NI30ZR70 to NI64ZR36. In *Journal of Materials Science*, 1992, vol. 27, no. 13, p. 3565-3569. (1991: 0.800 - IF, Current Contents - CCC). (1992 - Current Contents). ISSN 0022-2461. Dostupné na: <https://doi.org/10.1007/BF01151833>

Ohlasy:

1. [1.1] NOAH, Martin A. - WANG, Zumin - MITTEMEIJER, Eric J. Interdiffusion in amorphous Al_xZr_{1-x} alloys. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2017, vol. 121, no. 1, 015302., Registrované v: WOS
2. [1.1] TURCHANIN, M. A. - AGRAVAL, P. G. - VELIKANOVA, T. Ya. - VODOPYANOVA, A. A. Predicting the Composition Ranges of Amorphization for Multicomponent Melts in the Framework of the Calphad Method. In POWDER METALLURGY AND METAL CERAMICS. ISSN 1068-1302, 2018, vol. 57, no. 1-2, pp. 57-70., Registrované v: WOS
3. [1.1] ZHANG HAI-TAO - MO YUN-FEI - LIU RANG-SU - et al. Effects of pressure on microstructure evolution and mechanical properties of liquid Ni₆₄Zr₃₆ alloy during rapid solidification: A molecular dynamics

simulation study. In COMPUTATIONAL MATERIALS SCIENCE. ISSN 0927-0256, 2017, vol. 137, pp. 30-38., Registrované v: WOS

ADCA1033 RUSSOTTO, P. - GANNON, S. - KUPNY, S. - LASKO, P. - ACOSTA, L. - ADAMCZYK, M. - AL-AJLAN, A. - AL-GARAWI, M. - AL-HOMAIHI, S. - AMORINI, F. - AUDITORE, L. - AUMANN, T. - AYYAD, Y. - BASRAK, Z. - BENLLIURE, J. - BOISJOLI, M. - BORETZKY, K. - BRZYCHCZYK, J. - BUDZANOWSKI, A. - CAESAR, C. - CARDELLA, G. - CAMMARATA, P. - CHAJECKI, Z. - CHARTIER, M. - CHBIHI, A. - COLONNA, M. - COZMA, M.D. - CZECH, B. - DE FILIPPO, E. - DI TORO, M. - FAMIANO, M. - GAŠPARIĆ, I. - GRASSI, L. - GUAZZONI, C. - GUAZZONI, P. - HEIL, M. - HEILBORN, L. - INTROZZI, R. - ISOBE, T. - KEZZAR, K. - KIŠ, M. - KRASZNAHORKAY, A. - KURZ, N. - LA GUIDARA, E. - LANZALONE, G. - LE FÉVRE, A. - LEIFELS, Y. - LEMMON, R.C. - LI, Q.F. - LOMBARDO, I. - LUKASIK, J. - LYNCH, W.G. - MARINI, P. - MATTHEWS, Z. - MAY, L. - MINNITI, T. - MOSTAZO, M. - PAGANO, A. - PAGANO, E.V. - PAPA, M. - PAWLOWSKI, P. - PIRRONE, S. - POLITI, G. - PORTO, F. - REVIOL, W. - RICCIO, F. - RIZZO, F. - ROSATO, E. - ROSSI, D. - SANTORO, S. - SARANTITES, D.G. - SIMON, H. - SKWIRCZYNSKA, I. - SOSIN, Z. - STUHL, L. - TRAUTMANN, W. - TRIFIRO, A. - TRIMARCHI, M. - TSANG, M.B. - VERDE, G. - VESELSKÝ, Martin - VIGILANTE, M. - WANG, Y. - WIELOCH, A. - WIGG, P. - WINKELBAUER, J. - WOLTER, H.H. - WU, P. - YENNELLO, S. - ZAMBON, P. - ZETTA, L. - ZORIC, M. Results of the ASY-EOS experiment at GSI: The symmetry energy at suprasaturation density. In *Physical Review C*, 2016, vol. 94, no. 3, 034608. (2015: 3.146 - IF, Q2 - JCR, 1.993 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.94.034608>

Ohlasy:

1. [1.1] ANTONOV, A. N. - KADREV, D. N. - GAIDAROV, M. K. - SARRIGUREN, P. - MOYA DE GUERRA, E. Temperature dependence of the volume and surface contributions to the nuclear symmetry energy within the coherent density fluctuation model. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2018, vol. 98, no. 5, 054315., Registrované v: WOS
2. [1.1] ANTONOV, A. N. - KADREV, D. N. - GAIDAROV, M. K. - SARRIGUREN, P. - MOYA DE GUERRA, E. Temperature Dependence of the Symmetry Energy Components for Finite Nuclei. In *XXIII INTERNATIONAL SCHOOL ON NUCLEAR PHYSICS, NEUTRON PHYSICS AND APPLICATIONS*. ISSN 1742-6588, 2020, vol. 1555, 012004., Registrované v: WOS
3. [1.1] BAIOTTI, Luca. Gravitational waves from neutron star mergers and their relation to the nuclear equation of state. In *PROGRESS IN PARTICLE AND NUCLEAR PHYSICS*. ISSN 0146-6410, 2019, vol. 109, UNSP 103714., Registrované v: WOS
4. [1.1] BEDNAREK, I - SLADKOWSKI, J. - SYSKA, J. MODIFICATION OF THE SYMMETRY ENERGY BY STRANGENESS. In *ACTA PHYSICA POLONICA B*. ISSN 0587-4254, 2019, vol. 50, no. 11, pp. 1849-1858., Registrované v: WOS
5. [1.1] BEDNAREK, Ilona - SLADKOWSKI, Jan - SYSKA, Jacek. Aspects of Approximation in Modeling of the Asymmetric Nuclear Matter. In *JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN*. ISSN 0031-9015, 2019,

- vol. 88, no. 12, 124201., Registrované v: WOS
6. [1.1] BEDNAREK, Ilona - SLADKOWSKI, Jan - SYSKA, Jacek. Forms of the Symmetry Energy Relevant to Neutron Stars. In SYMMETRY-BASEL, 2020, vol. 12, no. 6, 898., Registrované v: WOS
 7. [1.1] BEHERA, D. - TRIPATHY, S. K. - ROUTRAY, T. R. - BEHERA, B. Nuclear symmetry energy and neutron skin thickness of Pb-208 using a finite range effective interaction. In PHYSICA SCRIPTA. ISSN 0031-8949, 2020, vol. 95, no. 10, 105301., Registrované v: WOS
 8. [1.1] BENHAR, Omar - LOVATO, Alessandro. Perturbation theory of nuclear matter with a microscopic effective interaction. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 96, no. 5, 054301., Registrované v: WOS
 9. [1.1] BENHAR, Omar - LOVATO, Alessandro. Unified description of nuclear matter properties within the CBF effective interaction approach. In COMPACT STARS IN THE QCD PHASE DIAGRAM V. ISSN 1742-6588, 2017, vol. 861, UNSP 012009., Registrované v: WOS
 10. [1.1] BIRCAN, Hasan. Density Dependence of Nuclear Matter Symmetry Energy: VMC Calculations. In PHYSICS OF ATOMIC NUCLEI. ISSN 1063-7788, 2020, vol. 83, no. 2, pp. 351-367., Registrované v: WOS
 11. [1.1] CAI, Bao-Jun - CHEN, Lie-Wen. Relativistic self-energy decomposition of nuclear symmetry energy and equation of state of neutron matter within QCD sum rules. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 2, 024303., Registrované v: WOS
 12. [1.1] CARBONE, Arianna. Setting nonperturbative uncertainties on finite-temperature properties of neutron matter. In PHYSICAL REVIEW RESEARCH, 2020, vol. 2, no. 2, 023227., Registrované v: WOS
 13. [1.1] DUTRA, Mariana - LOURENCO, Odilon - HEN, Or - PIASETZKY, Eliezer - MENEZES, Debora P. The symmetry energy gamma parameter of relativistic mean-field models. In CHINESE PHYSICS C. ISSN 1674-1137, 2018, vol. 42, no. 6, 064105., Registrované v: WOS
 14. [1.1] FAN, Xiao-Hua - YONG, Gao-Chan - ZUO, Wei. Probing the density dependence of the symmetry energy by nucleon flow. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 3, 034604., Registrované v: WOS
 15. [1.1] GAO, Yuan - YONG, Gao-Chan - ZHANG, Lei - ZUO, Wei. Influence of the nuclear symmetry energy on the collective flows of charged pions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 1, 014609., Registrované v: WOS
 16. [1.1] GUO, Ya-Fei - YONG, Gao-Chan. High p(t) squeezed-out n/p ratio as a probe of K-sym of the symmetry energy. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 1, 014617., Registrované v: WOS
 17. [1.1] HONG, Byungsik. Nuclear Matter Under Extreme Conditions: from Quark-Gluon Plasma to Neutron Stars. In JOURNAL OF THE KOREAN PHYSICAL SOCIETY. ISSN 0374-4884, 2018, vol. 72, no. 12, pp. 1515-1522., Registrované v: WOS
 18. [1.1] CHATZIOANNOU, Katerina. Neutron-star tidal deformability and equation-of-state constraints. In GENERAL RELATIVITY AND GRAVITATION. ISSN 0001-7701, 2020, vol. 52, no. 11, 109., Registrované v: WOS
 19. [1.1] KUMAR, Bharat - PATRA, S. K. - AGRAWAL, B. K. New

- relativistic effective interaction for finite nuclei, infinite nuclear matter, and neutron stars. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 4, 045806., Registrované v: WOS
20. [1.1] LI, Bao-An - KRASTEV, Plamen G. - WEN, De-Hua - ZHANG, Nai-Bo. Towards understanding astrophysical effects of nuclear symmetry energy. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2019, vol. 55, no. 7, 117., Registrované v: WOS
21. [1.1] LI, Bao-An - XIE, Wen-Jie. Symmetry energy of super-dense neutron-rich matter from integrating barotropic pressures in neutron stars and heavy-ion reactions. In PHYSICS LETTERS B. ISSN 0370-2693, 2020, vol. 806, 135517., Registrované v: WOS
22. [1.1] LI, Bao-An. Origins And Impacts Of High-Density Symmetry Energy. In EXOTIC NUCLEI AND NUCLEAR/PARTICLE ASTROPHYSICS (VI): PHYSICS WITH SMALL ACCELERATORS. ISSN 0094-243X, 2017, vol. 1852, UNSP 030005-1., Registrované v: WOS
23. [1.1] LI, Jia Jie - LONG, Wen Hui - SEDRAKIAN, Armen. Hypernuclear stars from relativistic Hartree-Fock density functional theory. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2018, vol. 54, no. 8, 133., Registrované v: WOS
24. [1.1] LLANES-ESTRADA, Felipe J. - LOPE-OTER, Eva. Hadron matter in neutron stars in view of gravitational wave observations. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2019, vol. 109, UNSP 103715., Registrované v: WOS
25. [1.1] LONARDONI, D. - TEWS, I - GANDOLFI, S. - CARLSON, J. Nuclear and neutron-star matter from local chiral interactions. In PHYSICAL REVIEW RESEARCH, 2020, vol. 2, no. 2, 022033., Registrované v: WOS
26. [1.1] LOURENCO, O. - DUTRA, M. - HEN, O. - PIASETZKY, E. - MENEZES, D. P. Consistent relativistic mean-field models: symmetry energy parameter. In XLI BRAZILIAN MEETING ON NUCLEAR PHYSICS (RTFNB). ISSN 1742-6588, 2019, vol. 1291, 012043., Registrované v: WOS
27. [1.1] MALIK, Tuhin - BANERJEE, Kinjal - JHA, T. K. - AGRAWAL, B. K. Nuclear symmetry energy with mesonic cross-couplings in the effective chiral model. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 96, no. 3, 035803., Registrované v: WOS
28. [1.1] MALIK, Tuhin - MONDAL, C. - AGRAWAL, B. K. - DE, J. N. - SAMADDAR, S. K. Nucleon effective mass and its isovector splitting. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 6, 064316., Registrované v: WOS
29. [1.1] MALLIK, S. - CHAUDHURI, G. - GULMINELLI, F. Sensitivity of the evaporation residue observables to the symmetry energy. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 2, 024611., Registrované v: WOS
30. [1.1] MIYATSU, Tsuyoshi - CHEOUN, Myung-Ki - ISHIZUKA, Chikako - KIM, K. S. - MARUYAMA, Tomoyuki - SAITO, Koichi. Decomposition of nuclear symmetry energy based on Lorentz-covariant nucleon self-energies in relativistic Hartree-Fock approximation. In PHYSICS LETTERS B. ISSN 0370-2693, 2020, vol. 803, 135282., Registrované v: WOS
31. [1.1] ONO, Akira. Dynamics of clusters and fragments in heavy-ion collisions. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2019, vol. 105, pp. 139-179., Registrované v: WOS

32. [1.1] PAPAKONSTANTINO, Panagiota - PARK, Tae-Sun - LIM, Yeunhwan - HYUN, Chang Ho. Density dependence of the nuclear energy-density functional. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 1, 014312., Registrované v: WOS
33. [1.1] QUDDUS, Abdul - NAIK, K. C. - PANDA, R. N. - PATRA, S. K. Temperature dependent study of neutron-rich thermally fissile T244-262 h and U246-264 nuclei within E-TRMF model. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2019, vol. 987, pp. 222-246., Registrované v: WOS
34. [1.1] SAMMARRUCA, Francesca. The symmetry energy: Predictions and constraints. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2017, vol. 32, no. 30, 1730027., Registrované v: WOS
35. [1.1] SAMMARRUCA, Francesca. Comparing symmetry energy predictions and recent constraints from the ASY-EOS experiment at GSI. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 4, 044316., Registrované v: WOS
36. [1.1] SAMMARRUCA, Francesca. Chiral Effective Field Theory for Nucleonic Matter. In 12TH INTERNATIONAL SPRING SEMINAR ON NUCLEAR PHYSICS: CURRENT PROBLEMS AND PROSPECTS FOR NUCLEAR STRUCTURE. ISSN 1742-6588, 2018, vol. 966, UNSP 012004., Registrované v: WOS
37. [1.1] SAMMARRUCA, Francesca - MILLERSON, Randy. Nuclear Forces in the Medium: Insight From the Equation of State. In FRONTIERS IN PHYSICS. ISSN 2296-424X, 2019, vol. 7, 213., Registrované v: WOS
38. [1.1] SENGER, P. Probing dense QCD matter in the laboratory-The CBM experiment at FAIR. In PHYSICA SCRIPTA. ISSN 0031-8949, 2020, vol. 95, no. 7, 074003., Registrované v: WOS
39. [1.1] TOLOS, Laura - CENTELLES, Mario - RAMOS, Angels. The Equation of State for the Nucleonic and Hyperonic Core of Neutron Stars. In PUBLICATIONS OF THE ASTRONOMICAL SOCIETY OF AUSTRALIA. ISSN 1323-3580, 2017, vol. 34, e065., Registrované v: WOS
40. [1.1] TOLOS, L. - FABBIETTI, L. Strangeness in nuclei and neutron stars. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2020, vol. 112, 103770., Registrované v: WOS
41. [1.1] TONG, Hui - MENG, Jie. SYMMETRY ENERGY AT SUPRA-SATURATION DENSITIES. In ACTA PHYSICA POLONICA B PROCEEDINGS SUPPLEMENT. ISSN 1899-2358, 2020, vol. 13, no. 3, pp. 543-548., Registrované v: WOS
42. [1.1] TONG, Hui - ZHAO, Pengwei - MENG, Jie. Symmetry energy at supra-saturation densities via the gravitational waves from GW170817. In PHYSICAL REVIEW C. ISSN 2469-9985, 2020, vol. 101, no. 3, 035802., Registrované v: WOS
43. [1.1] TRAUTMANN, W. High Density with Elliptic Flows. In XIAMEN-CUSTIPEN WORKSHOP ON THE EQUATION OF STATE OF DENSE NEUTRON-RICH MATTER IN THE ERA OF GRAVITATIONAL WAVE ASTRONOMY. ISSN 0094-243X, 2019, vol. 2127, 020003., Registrované v: WOS
44. [1.1] WANG, Chencan - HU, Jinniu - ZHANG, Ying - SHEN, Hong. Properties of nuclear matter in relativistic Brueckner-Hartree-Fock model with high-precision charge-dependent potentials. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2020, vol. 47, no.

10, 105108., Registrované v: WOS

45. [1.1] WANG, Rui - CHEN, Lie-Wen - ZHOU, Ying. Extended Skyrme interactions for transport model simulations of heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 5, 054618., Registrované v: WOS

46. [1.1] WANG, Rui - CHEN, Lie-Wen - ZHANG, Zhen. Nuclear collective dynamics in the lattice Hamiltonian Vlasov method. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 4, 044609., Registrované v: WOS

47. [1.1] WANG, Rui - ZHANG, Zhen - CHEN, Lie-Wen - MA, Yu-Gang. Nuclear Collective Dynamics in Transport Model With the Lattice Hamiltonian Method. In FRONTIERS IN PHYSICS. ISSN 2296-424X, 2020, vol. 8, 330., Registrované v: WOS

48. [1.1] WEI, Gao-Feng - LI, Bao-An - YONG, Gao-Chan - OU, Li - CAO, Xin-Wei - LIU, Xu-Yang. Effects of retarded electrical fields on observables sensitive to the high-density behavior of the nuclear symmetry energy in heavy-ion collisions at intermediate energies. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 3, 034620., Registrované v: WOS

49. [1.1] WEI, Gao-Feng - YONG, Gao-Chan - OU, Li - ZHI, Qi-Jun - LONG, Zheng-Wen - ZHOU, Xiao-Hua. Beam-energy dependence of the relativistic retardation effects of electrical fields on the $\pi(-)/\pi(+)$ ratio in heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 2, 024618., Registrované v: WOS

50. [1.1] WEI, Gao-Feng - ZHI, Qi-Jun - CAO, Xin-Wei - LONG, Zheng-Wen. Examination of an isospin-dependent single-nucleon momentum distribution for isospin-asymmetric nuclear matter in heavy-ion collisions. In NUCLEAR SCIENCE AND TECHNIQUES. ISSN 1001-8042, 2020, vol. 31, no. 7, 71., Registrované v: WOS

51. [1.1] WEI, Jin-Biao - LU, Jia-Jing - BURGIO, G. F. - LI, Zeng-Hua - SCHULZE, H.J. Are nuclear matter properties correlated to neutron star observables? In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2020, vol. 56, no. 2, 63., Registrované v: WOS

52. [1.1] WOLTER, Hermann. The High-Density Symmetry Energy in Heavy-Ion Collisions and Compact Stars. In UNIVERSE. ISSN 2218-1997, 2018, vol. 4, no. 6, 72., Registrované v: WOS

53. [1.1] WU, Qianghua - GUAN, Fenhai - DIAO, Xinyue - WANG, Yijie - ZHANG, Yingxun - LI, Zhuxia - WU, Xizhen - DOBROWOLSKI, Artur - POMORSKI, Krzysztof - XIAO, Zhigang. Symmetry energy effect on emissions of light particles in coincidence with fast fission. In PHYSICS LETTERS B. ISSN 0370-2693, 2020, vol. 811, no. 10, 135865., Registrované v: WOS

54. [1.1] XIE, Wen-Jie - LI, Bao-An. Bayesian Inference of High-density Nuclear Symmetry Energy from Radii of Canonical Neutron Stars. In ASTROPHYSICAL JOURNAL. ISSN 0004-637X, 2019, vol. 883, no. 2, 174., Registrované v: WOS

55. [1.1] XIE, Wen-Jie - LI, Bao-An. Bayesian Inference of the Symmetry Energy of Superdense Neutron-rich Matter from Future Radius Measurements of Massive Neutron Stars. In ASTROPHYSICAL JOURNAL. ISSN 0004-637X, 2020, vol. 899, no. 1, 4., Registrované v: WOS

56. [1.1] XIE, Wen-Jie - SU, Jun - ZHU, Long - ZHANG, Feng-Shou. Effects of the pion-nucleon potential in Au-197 + Au-197 collisions at 1.5

- GeV/nucleon. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 97, no. 6, 064608., Registrované v: WOS
57. [1.1] XU, Jun. Transport approaches for the description of intermediate-energy heavy-ion collisions. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2019, vol. 106, pp. 312-359., Registrované v: WOS
58. [1.1] YONG, Gao-Chan - GAO, Yuan - WEI, Gao-Feng - GUO, Ya-Fei - ZUO, Wei. Determination of the density region of the symmetry energy probed by the $\pi(-)/\pi(+)$ ratio. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2019, vol. 46, no. 10, 105105., Registrované v: WOS
59. [1.1] YONG, Gao-Chan - LI, Bao-An. Interplay of short-range correlations and nuclear symmetry energy in hard-photon production from heavy-ion reactions at Fermi energies. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 96, no. 6, 064614., Registrované v: WOS
60. [1.1] YONG, Gao-Chan. A possible probe of the new fifth force. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2018, vol. 54, no. 9, 157., Registrované v: WOS
61. [1.1] YONG, Gao-Chan. Blind spots of probing the high-density symmetry energy in heavy-ion collisions. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 786, pp. 422-425., Registrované v: WOS
62. [1.1] ZHANG, Nai-Bo - LI, Bao-An - XU, Jun. Combined Constraints on the Equation of State of Dense Neutron-rich Matter from Terrestrial Nuclear Experiments and Observations of Neutron Stars. In ASTROPHYSICAL JOURNAL. ISSN 0004-637X, 2018, vol. 859, no. 2, 90., Registrované v: WOS
63. [1.1] ZHANG, Nai-Bo - LI, Bao-An. Extracting nuclear symmetry energies at high densities from observations of neutron stars and gravitational waves. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2019, vol. 55, no. 3, 39., Registrované v: WOS
64. [1.1] ZHANG, Ying - LIU, Peng - HU, Jinniu. The properties of neutron star in the framework of relativistic Hartree-Fock model with unitary correlation operator method. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E. ISSN 0218-3013, 2019, vol. 28, no. 11, 1950094., Registrované v: WOS
65. [1.1] ZHANG, Yingxun - LIU, Min - XIA, Cheng-Jun - LI, Zhuxia - BISWAL, S. K. Constraints on the symmetry energy and its associated parameters from nuclei to neutron stars. In PHYSICAL REVIEW C. ISSN 2469-9985, 2020, vol. 101, no. 3, 034303., Registrované v: WOS
66. [1.1] ZHOU, Ying - CHEN, Lie-Wen. Ruling Out the Supersoft High-density Symmetry Energy from the Discovery of PSR J0740+6620 with Mass $2.14(-0.09)(+0.10)M_{\odot}$. In ASTROPHYSICAL JOURNAL. ISSN 0004-637X, 2019, vol. 886, no. 1, 52., Registrované v: WOS
67. [1.1] ZHOU, Ying - CHEN, Lie-Wen - ZHANG, Zhen. Equation of state of dense matter in the multimessenger era. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 99, no. 12, 121301., Registrované v: WOS
68. [1.1] ZIELINSKA-PFABE, Malgorzata. THE DENSITY DEPENDENCE OF THE NUCLEAR SYMMETRY ENERGY IN HEAVY-ION COLLISIONS. In XXIII NUCLEAR PHYSICS WORKSHOP MARIE AND

PIERRE CURIE: ESSENTIAL PROBLEMS IN NUCLEAR PHYSICS, 2016.
ISSN 1899-2358, 2017, vol. 10, no. 1, pp. 153-164., Registrované v: WOS

ADCA1034 RUWALI, K. - GUPTA, A. - KANE, S.N. - DUHAJ, Pavol. Mossbauer study of $(\text{Fe}_{1-x}\text{Co}_x)(85)\text{B}-15$ metallic glasses. In *Materials Science and Engineering A - Structural Materials Properties Microstructure and Processing*, 1997, vol. 226, p. 729-731. (1996: 0.852 - IF, Current Contents - CCC). (1997 - Current Contents, WOS, SCOPUS). ISSN 0921-5093.

Ohlasy:

1. [1.1] TAGHVAEI, Amir Hossein - SHIRAZIFARD, Nazanin Ghasemalinezhad - RAMASAMY, Parthiban - BEDNARCIK, Jozef - ECKERT, Juergen. Thermal behavior, structural relaxation and magnetic study of a new Hf-microalloyed Co-based glassy alloy with high thermal stability. In *JOURNAL OF ALLOYS AND COMPOUNDS*. ISSN 0925-8388, 2018, vol. 748, pp. 553-560., Registrované v: WOS

ADCA1035 RYBÁR, Tomáš - ZIMAN, Mário. Process estimation in the presence of time-invariant memory effects. In *Physical Review A*, 2015, vol. 92, no. 4, 042315. (2014: 2.808 - IF, Q1 - JCR, 2.201 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.92.042315>

Ohlasy:

1. [1.1] BENNINK, Ryan S. - LOUGOVSKI, Pavel. Quantum process identification: a method for characterizing non-markovian quantum dynamics. In *NEW JOURNAL OF PHYSICS*. ISSN 1367-2630, 2019, vol. 21, 083013., Registrované v: WOS

2. [1.1] BURGARTH, Daniel - GIOVANNETTI, Vittorio - KATO, Airi N. - YUASA, Kazuya. Quantum estimation via sequential measurements. In *NEW JOURNAL OF PHYSICS*. ISSN 1367-2630, 2015, vol. 17, 113055., Registrované v: WOS

ADCA1036 RYBÁR, Tomáš - FILIPPOV, S.N. - ZIMAN, Mário - BUŽEK, Vladimír. Simulation of indivisible qubit channels in collision models. In *Journal of Physics B*, 2012, vol. 45, no. 15, 154006. (2011: 1.875 - IF, Q2 - JCR, 1.061 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents). ISSN 0953-4075. Dostupné na: <https://doi.org/10.1088/0953-4075/45/15/154006>

Ohlasy:

1. [1.1] ALTAMIRANO, Natacha - CORONA-UGALDE, Paulina - MANN, Robert B. - ZYCH, Magdalena. Unitarity, feedback, interactions-dynamics emergent from repeated measurements. In *NEW JOURNAL OF PHYSICS*. ISSN 1367-2630, 2017, vol. 19, no., 013035., Registrované v: WOS

2. [1.1] ARISOY, Onat - CAMPBELL, Steve - MUESTECAPLIOGLU, OEzguer E. Thermalization of Finite Many-Body Systems by a Collision Model. In *ENTROPY*, 2019, vol. 21, no. 12, 1182., Registrované v: WOS

3. [1.1] BANCHI, Leonardo - GRANT, Edward - ROCCHETTO, Andrea - SEVERINI, Simone. Modelling non-markovian quantum processes with recurrent neural networks. In *NEW JOURNAL OF PHYSICS*. ISSN 1367-2630, 2018, vol. 20, 123030., Registrované v: WOS

4. [1.1] BERNARDES, Nadja K. - PETERSON, John P. S. -

- SARTHOUR, Roberto S. - SOUZA, Alexandre M. - MONKEN, C. H. - RODITI, Itzhak - OLIVEIRA, Ivan S. - SANTOS, Marcelo F. High Resolution non-Markovianity in NMR. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2016, vol. 6, 33945., Registrované v: WOS
5. [1.1] BERNARDES, Nadja K. - CARVALHO, Andre R. R. - MONKEN, C. H. - SANTOS, Marcelo F. Coarse graining a non-Markovian collisional model. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 95, no. 3, 032117., Registrované v: WOS
6. [1.1] BEYER, Konstantin - LUOMA, Kimmo - STRUNZ, Walter T. Collision-model approach to steering of an open driven qubit. In PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 97, no. 3, 032113., Registrované v: WOS
7. [1.1] CAKMAK, B. - PEZZUTTO, M. - PATERNOSTRO, M. - MUSTECAPLIOGLU, O. E. Non-Markovianity, coherence, and system-environment correlations in a long-range collision model. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 96, no. 2, 022109., Registrované v: WOS
8. [1.1] CAMPBELL, Steve - CICCARELLO, Francesco - PALMA, G. Massimo - VACCHINI, Bassano. System-environment correlations and Markovian embedding of quantum non-Markovian dynamics. In PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 98, no. 1, 012142., Registrované v: WOS
9. [1.1] CILLUFFO, Dario - CAROLLO, Angelo - LORENZO, Salvatore - GROSS, Jonathan A. - PALMA, G. Massimo - CICCARELLO, Francesco. Collisional picture of quantum optics with giant emitters. In PHYSICAL REVIEW RESEARCH, 2020, vol. 2, no. 4, 043070., Registrované v: WOS
10. [1.1] CRESSER, J. D. Time-reversed quantum trajectory analysis of micromaser correlation properties and fluctuation relations. In PHYSICA SCRIPTA. ISSN 0031-8949, 2019, vol. 94, no. 3, 034005., Registrované v: WOS
11. [1.1] CUEVAS, Alvaro - GERALDI, Andrea - LIORNI, Carlo - BONAVENTA, Luis Diego - DE PASQUALE, Antonella - SCIARRINO, Fabio - GIOVANNETTI, Vittorio - MATALONI, Paolo. All-optical implementation of collision-based evolutions of open quantum systems. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2019, vol. 9, 3205., Registrované v: WOS
12. [1.1] DABROWSKA, Anita Magdalena. From a posteriori to a priori solutions for a two-level system interacting with a single-photon wavepacket. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS. ISSN 0740-3224, 2020, vol. 37, no. 4, pp. 1240-1248., Registrované v: WOS
13. [1.1] DARYANOOSH, Shakib - BARAGIOLA, Ben Q. - GUFF, Thomas - GILCHRIST, Alexei. Quantum master equations for entangled qubit environments. In PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 98, no. 6, 062104., Registrované v: WOS
14. [1.1] DE VEGA, Ines - ALONSO, Daniel. Dynamics of non-Markovian open quantum systems. In REVIEWS OF MODERN PHYSICS. ISSN 0034-6861, 2017, vol. 89, no. 1, UNSP 015001., Registrované v: WOS
15. [1.1] DIVE, Benjamin - MINTERT, Florian - BURGARTH, Daniel. Quantum simulations of dissipative dynamics: Time dependence instead of size. In PHYSICAL REVIEW A. ISSN 2469-9926, 2015, vol. 92, no. 3, 032111.,

Registrované v: WOS

16. [1.1] FILIPPOV, S. N. - SEMIN, G. N. - PECHEN, A. N. Quantum master equations for a system interacting with a quantum gas in the low-density limit and for the semiclassical collision model. In PHYSICAL REVIEW A. ISSN 2469-9926, 2020, vol. 101, no. 1, 012114., Registrované v: WOS
17. [1.1] GROSS, Jonathan A. - CAVES, Carlton M. - MILBURN, Gerard J. - COMBES, Joshua. Qubit models of weak continuous measurements: markovian conditional and open-system dynamics. In QUANTUM SCIENCE AND TECHNOLOGY. ISSN 2058-9565, 2018, vol. 3, no. 2, UNSP 024005., Registrované v: WOS
18. [1.1] JIN, Jiasen - GIOVANNETTI, Vittorio - FAZIO, Rosario - SCIARRINO, Fabio - MATALONI, Paolo - CRESPI, Andrea - OSELLAME, Roberto. All-optical non-Markovian stroboscopic quantum simulator. In PHYSICAL REVIEW A. ISSN 2469-9926, 2015, vol. 91, no. 1, 012122., Registrované v: WOS
19. [1.1] JIN, Jiasen - YU, Chang-shui. Non-Markovianity in the collision model with environmental block. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2018, vol. 20, 053026., Registrované v: WOS
20. [1.1] KRETSCHMER, Silvan - LUOMA, Kimmo - STRUNZ, Walter T. Collision model for non-Markovian quantum dynamics. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 94, no. 1, 012106., Registrované v: WOS
21. [1.1] LEBEDEV, A. V. - LESOVIK, G. B. H-Theorem for Systems with an Interaction Invariant Distribution Function. In LOBACHEVSKII JOURNAL OF MATHEMATICS. ISSN 1995-0802, 2019, vol. 40, no. 10, pp. 1516-1520., Registrované v: WOS
22. [1.1] LESOVIK, G. B. - LEBEDEV, A. V. - SADOVSKYY, I. A. - SUSLOV, M. V. - VINOKUR, V. M. H-theorem in quantum physics. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2016, vol. 6, 32815., Registrované v: WOS
23. [1.1] LI, Lei - ZOU, Jian - LI, Hai - XU, Bao-Ming - WANG, Yuan-Mei - SHAO, Bin. Effect of coherence of nonthermal reservoirs on heat transport in a microscopic collision model. In PHYSICAL REVIEW E. ISSN 2470-0045, 2018, vol. 97, no. 2, 022111., Registrované v: WOS
24. [1.1] LI, Li - HALL, Michael J. W. - WISEMAN, Howard M. Concepts of quantum non-Markovianity: A hierarchy. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, 2018, vol. 759, pp. 1-51., Registrované v: WOS
25. [1.1] LI, Yan - LI, Xingli - JIN, Jiasen. Information scrambling in a collision model. In PHYSICAL REVIEW A. ISSN 2469-9926, 2020, vol. 101, no. 4, 042324., Registrované v: WOS
26. [1.1] LORENZO, Salvatore - CICCARELLO, Francesco - PALMA, G. Massimo. Class of exact memory-kernel master equations. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 93, no. 5, 052111., Registrované v: WOS
27. [1.1] LORENZO, Salvatore - CICCARELLO, Francesco - PALMA, G. Massimo - VACCHINI, Bassano. Quantum Non-Markovian Piecewise Dynamics from Collision Models. In OPEN SYSTEMS & INFORMATION DYNAMICS. ISSN 1230-1612, 2017, vol. 24, no. 4, 1740011., Registrované v: WOS

28. [1.1] LORENZO, Salvatore - CICCARELLO, Francesco - PALMA, G. Massimo. Composite quantum collision models. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 96, no. 3, 032107., Registrované v: WOS
29. [1.1] MAN, Zhong-Xiao - XIA, Yun-Jie - FRANCO, Rosario Lo. Temperature effects on quantum non-Markovianity via collision models. In PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 97, no. 6, 062104., Registrované v: WOS
30. [1.1] MASCARENHAS, Eduardo - DE VEGA, Ines. Quantum critical probing and simulation of colored quantum noise. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 96, no. 6, 062117., Registrované v: WOS
31. [1.1] MILZ, Simon - KIM, M. S. - POLLOCK, Felix A. - MODI, Kavan. Completely Positive Divisibility Does Not Mean Markovianity. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 123, no. 4, 040401., Registrované v: WOS
32. [1.1] PATHAK, Vijay - SHAJI, Anil. Non-Markovian Open Dynamics from Collision Models. In OPEN SYSTEMS & INFORMATION DYNAMICS. ISSN 1230-1612, 2019, vol. 26, no. 4, 1950018., Registrované v: WOS
33. [1.1] TARANTO, Philip - BAKHSHINEZHAD, Faraj - SCHUETTELKOPF, Philipp - CLIVAZ, Fabien - HUBER, Marcus. Exponential Improvement for Quantum Cooling through Finite-Memory Effects. In PHYSICAL REVIEW APPLIED. ISSN 2331-7019, 2020, vol. 14, no. 5, 054005., Registrované v: WOS
34. [1.1] TARANTO, Philip - MILZ, Simon - POLLOCK, Felix A. - MODI, Kavan. Structure of quantum stochastic processes with finite Markov order. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 99, no. 4, 042108., Registrované v: WOS
35. [1.1] TARANTO, Philip. Memory effects in quantum processes. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION. ISSN 0219-7499, 2020, vol. 18, no. 2, 1941002., Registrované v: WOS
36. [1.1] TICOZZI, Francesco - VIOLA, Lorenza. Quantum and classical resources for unitary design of open-system evolutions. In QUANTUM SCIENCE AND TECHNOLOGY. ISSN 2058-9565, 2017, vol. 2, no. 3, UNSP 034001., Registrované v: WOS
37. [1.1] UZDIN, Raam - GASPARINETTI, Simone - OZERI, Roee - KOSLOFF, Ronnie. Markovian heat sources with the smallest heat capacity. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2018, vol. 20, 063030., Registrované v: WOS
38. [1.1] UZDIN, Raam - LEVY, Amikam - KOSLOFF, Ronnie. Equivalence of Quantum Heat Machines, and Quantum-Thermodynamic Signatures. In PHYSICAL REVIEW X. ISSN 2160-3308, 2015, vol. 5, no. 3, 031044., Registrované v: WOS
39. [1.1] UZDIN, Raam - LEVY, Amikam - KOSLOFF, Ronnie. Quantum Heat Machines Equivalence, Work Extraction beyond Markovianity, and Strong Coupling via Heat Exchangers. In ENTROPY. ISSN 1099-4300, 2016, vol. 18, no. 4, 124., Registrované v: WOS
40. [1.1] VACCHINI, Bassano. Quantum renewal processes. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2020, vol. 10, no. 1, 5592., Registrované v: WOS

41. [1.1] WANG, Chao-Quan - ZOU, Jian - SHAO, Bin. Analysis of various factors affecting the non-Markovian dynamics associated with a hierarchical environment based on collision model. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2017, vol. 16, no. 6, UNSP 156., Registrované v: WOS
42. [1.2] GLASER, Steffen J. - BOSCAIN, Ugo - CALARCO, Tommaso - KOCH, Christiane P. - KÖCKENBERGER, Walter - KOSLOFF, Ronnie - KUPROV, Ilya - LUY, Burkhard - SCHIRMER, Sophie - SCHULTE-HERBRÜGGEN, Thomas - SUGNY, Dominique - WILHELM, Frank K. Training Schrödinger's cat: Quantum optimal control: Strategic report on current status, visions and goals for research in Europe. In European Physical Journal D. ISSN 14346060, 2015-12-01, vol. 69, 12, 279., Registrované v: SCOPUS

ADCA1037 SANDERS, B.C. - MARANGOS, J. - BUŽEK, Vladimír. Photons, atoms and qubits: On the occasion of the 60th birthday of Sir Peter L. Knight FRS, edited by Barry C. Sanders, Jon P. Marangos and Vladimír Buzek- Foreword. In *Journal of Modern Optics*, 2007. Vol. 54, no. 13-15, p. 1845.

Ohlasy:

1. [1.1] BARNETT, Stephen M. - BEIGE, Almut - EKERT, Artur - et al. Journeys from quantum optics to quantum technology. In PROGRESS IN QUANTUM ELECTRONICS. ISSN 0079-6727, 2017, vol. 54, p. 19-45., Registrované v: WOS

ADCA1038 SATO, Yosuke* - MATSUO, Sadashige* - HSU, Chen-Hsuan - STAÑO, Peter - UEDA, Kento - TAKEISHIGE, Yuusuke - KAMATA, Hiroshi - LEE, Joon Sue - SHOJAEI, Borzoyeh - WICKRAMASINGHE, Kaushini - SHABANI, Javad - PALMSTRØM, Chris - TOKURA, Yasuhiro - LOSS, Daniel - TARUCHA, Seigo**. Strong electron-electron interactions of a Tomonaga-Luttinger liquid observed in InAs quantum wires. In *Physical Review B*, 2019, vol. 99, no. 15, 155304. (2018: 3.736 - IF, Q1 - JCR, 1.502 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.99.155304>

Ohlasy:

1. [1.1] AKSENOV, S. - ZLOTNIKOV, A. O. - SHUSTIN, M. S. Strong Coulomb interactions in the problem of Majorana modes in a wire of the nontrivial topological class BDI. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 101, no. 12, 125431., Registrované v: WOS
2. [1.1] VAL'KOV, V. V. - MITSKAN, V. A. - ZLOTNIKOV, A. O. - SHUSTIN, M. S. - AKSENOV, S. V. Occurrence of Topologically Nontrivial Phases, Cascade of Quantum Transitions, and Identification of Majorana Modes in Chiral Superconductors and Nanowires (Scientific Summary). In JETP LETTERS. ISSN 0021-3640, 2019, vol. 110, no. 2, pp. 140-153., Registrované v: WOS
3. [1.1] ZLOTNIKOV, A. O. - AKSENOV, S. V. - SHUSTIN, M. S. Spin-Orbit Coupling-Induced Effective Interactions in Superconducting Nanowires in the Strong Correlation Regime. In PHYSICS OF THE SOLID STATE. ISSN 1063-7834, 2020, vol. 62, no. 9, pp. 1612-1618., Registrované v: WOS

SCARANI, V. - ZIMAN, Mário - ŠTELMACHOVIČ, Peter - GISIN, N. - BUŽEK, Vladimír. Thermalizing quantum machines: Dissipation and entanglement. In *Physical Review Letters*, 2002, vol. 88, no. 9, p. 097905. (2001: 6.668 - IF, Current Contents - CCC). (2002 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.88.097905>

Ohlasy:

1. [1.1] ABAH, Obinna - PATERNOSTRO, Mauro. Implications of non-Markovian dynamics on information-driven engine. In *JOURNAL OF PHYSICS COMMUNICATIONS*. ISSN 2399-6528, 2020, vol. 4, no. 8, 085016., Registrované v: WOS
2. [1.1] ARISOY, Onat - CAMPBELL, Steve - MUESTECAPLIOGLU, OEzguer E. Thermalization of Finite Many-Body Systems by a Collision Model. In *ENTROPY*, 2019, vol. 21, no. 12, 1182., Registrované v: WOS
3. [1.1] BALANESKOVIC, Nenad - MENDLER, Marc. Dissipation, dephasing and quantum Darwinism in qubit systems with random unitary interactions. In *EUROPEAN PHYSICAL JOURNAL D*. ISSN 1434-6060, 2016, vol. 70, no. 9, 177., Registrované v: WOS
4. [1.1] BAUMER, Elisa - PERARNAU-LLOBET, Marti - KAMMERLANDER, Philipp - WILMING, Henrik - RENNER, Renato. Imperfect Thermalizations Allow for Optimal Thermodynamic Processes. In *QUANTUM*. ISSN 2521-327X, 2019, vol. 3., Registrované v: WOS
5. [1.1] BENENTI, Giuliano - STRINI, Giuliano. Dynamical Casimir effect and minimal temperature in quantum thermodynamics. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2015, vol. 91, no. 2, 020502., Registrované v: WOS
6. [1.1] BEYER, Konstantin - LUOMA, Kimmo - STRUNZ, Walter T. Collision-model approach to steering of an open driven qubit. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2018, vol. 97, no. 3, 032113., Registrované v: WOS
7. [1.1] BUSCEMI, Francesco - DATTA, Nilanjana. Equivalence between divisibility and monotonic decrease of information in classical and quantum stochastic processes. In *PHYSICAL REVIEW A*. ISSN 1050-2947, 2016, vol. 93, no. 1, 012101., Registrované v: WOS
8. [1.1] CAKMAK, B. - MANATULY, A. - MUSTECAPLIOGLU, O. E. Thermal production, protection, and heat exchange of quantum coherences. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2017, vol. 96, no. 3, 032117., Registrované v: WOS
9. [1.1] CAKMAK, B. - PEZZUTTO, M. - PATERNOSTRO, M. - MUSTECAPLIOGLU, O. E. Non-Markovianity, coherence, and system-environment correlations in a long-range collision model. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2017, vol. 96, no. 2, 022109., Registrované v: WOS
10. [1.1] CAMPBELL, Steve - CAKMAK, Baris - MUSTECAPLIOGLU, Ozgur E. - PATERNOSTRO, Mauro - VACCHINI, Bassano. Collisional unfolding of quantum Darwinism. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2019, vol. 99, no. 4, 042103., Registrované v: WOS
11. [1.1] CAMPBELL, Steve - CICCARELLO, Francesco - PALMA, G. Massimo - VACCHINI, Bassano. System-environment correlations and Markovian embedding of quantum non-Markovian dynamics. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2018, vol. 98, no. 1, 012142., Registrované v:

WOS

12. [1.1] CAMPBELL, Steve - POPOVIC, Maria - TAMASCELLI, Dario - VACCHINI, Bassano. Precursors of non-Markovianity. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2019, vol. 21, 053036., Registrované v: WOS
13. [1.1] CAVINA, Vasco - MARI, Andrea - CARLINI, Alberto - GIOVANNETTI, Vittorio. Optimal thermodynamic control in open quantum systems. In PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 98, no. 1, 012139., Registrované v: WOS
14. [1.1] CILLUFFO, Dario - CAROLLO, Angelo - LORENZO, Salvatore - GROSS, Jonathan A. - PALMA, G. Massimo - CICCARELLO, Francesco. Collisional picture of quantum optics with giant emitters. In PHYSICAL REVIEW RESEARCH, 2020, vol. 2, no. 4, 043070., Registrované v: WOS
15. [1.1] CRESSER, J. D. Time-reversed quantum trajectory analysis of micromaser correlation properties and fluctuation relations. In PHYSICA SCRIPTA. ISSN 0031-8949, 2019, vol. 94, no. 3, 034005., Registrované v: WOS
16. [1.1] CUSUMANO, Stefano - CAVINA, Vasco - KECK, Maximilian - DE PASQUALE, Antonella - GIOVANNETTI, Vittorio. Entropy production and asymptotic factorization via thermalization: A collisional model approach. In PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 98, no. 3, 032119., Registrované v: WOS
17. [1.1] DARYANOOSH, Shakib - BARAGIOLA, Ben Q. - GUFF, Thomas - GILCHRIST, Alexei. Quantum master equations for entangled qubit environments. In PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 98, no. 6, 062104., Registrované v: WOS
18. [1.1] DE CHIARA, Gabriele - LANDI, Gabriel - HEWGILL, Adam - REID, Brendan - FERRARO, Alessandro - RONCAGLIA, Augusto J. - ANTEZZA, Mauro. Reconciliation of quantum local master equations with thermodynamics. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2018, vol. 20, 113024., Registrované v: WOS
19. [1.1] DE CHIARA, Gabriele - ANTEZZA, Mauro. Quantum machines powered by correlated baths. In PHYSICAL REVIEW RESEARCH, 2020, vol. 2, no. 3, 033315., Registrované v: WOS
20. [1.1] DE VEGA, Ines - ALONSO, Daniel. Dynamics of non-Markovian open quantum systems. In REVIEWS OF MODERN PHYSICS. ISSN 0034-6861, 2017, vol. 89, no. 1, UNSP 015001., Registrované v: WOS
21. [1.1] EDWARD BRUSCHI, David - PERARNAU-LLOBET, Marti - FRIIS, Nicolai - HOVHANNISYAN, Karen V. - HUBER, Marcus. Thermodynamics of creating correlations: Limitations and optimal protocols. In PHYSICAL REVIEW E. ISSN 1539-3755, 2015, vol. 91, no. 3, 032118., Registrované v: WOS
22. [1.1] EHRICH, Jannik - ESPOSITO, Massimiliano - BARRA, Felipe - PARRONDO, Juan M. R. Micro-reversibility and thermalization with collisional baths. In PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS. ISSN 0378-4371, 2020, vol. 552, 122108., Registrované v: WOS
23. [1.1] FILIPPOV, S. N. - GLINOV, A. N. - LEPPAJARVI, L. Phase Covariant Qubit Dynamics and Divisibility. In LOBACHEVSKII JOURNAL OF MATHEMATICS. ISSN 1995-0802, 2020, vol. 41, no. 4, pp. 617-630., Registrované v: WOS

24. [1.1] FILIPPOV, S. N. - SEMIN, G. N. - PECHEN, A. N. Quantum master equations for a system interacting with a quantum gas in the low-density limit and for the semiclassical collision model. In PHYSICAL REVIEW A. ISSN 2469-9926, 2020, vol. 101, no. 1, 012114., Registrované v: WOS
25. [1.1] GARCIA-PEREZ, Guillermo - CHISHOLM, Dario A. - ROSSI, Matteo A. C. - PALMA, G. Massimo - MANISCALCO, Sabrina. Decoherence without entanglement and quantum Darwinism. In PHYSICAL REVIEW RESEARCH, 2020, vol. 2, no. 1, 012061., Registrované v: WOS
26. [1.1] GRIMMER, Daniel - KEMPF, Achim - MANN, Robert B. - MARTIN-MARTINEZ, Eduardo. Zeno friction and antifriction from quantum collision models. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 4, 042702., Registrované v: WOS
27. [1.1] GRIMMER, Daniel - LAYDEN, David - MANN, Robert B. - MARTIN-MARTINEZ, Eduardo. Open dynamics under rapid repeated interaction. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 94, no. 3, 032126., Registrované v: WOS
28. [1.1] GRIMMER, Daniel - MANN, Robert B. - MARTIN-MARTINEZ, Eduardo. Purification in rapid-repeated-interaction systems. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 95, no. 4, 042114., Registrované v: WOS
29. [1.1] GRIMMER, Daniel - MANN, Robert B. - MARTIN-MARTINEZ, Eduardo. Thermal contact: mischief and time scales. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2019, vol. 52, no. 39, 395305., Registrované v: WOS
30. [1.1] GUARNIERI, Giacomo - MORRONE, Daniele - CAKMAK, Baris - PLASTINA, Francesco - CAMPBELL, Steve. Non-equilibrium steady-states of memoryless quantum collision models. In PHYSICS LETTERS A. ISSN 0375-9601, 2020, vol. 384, no. 24, 126576., Registrované v: WOS
31. [1.1] HABECKER, F. - ROEHSE, R. - KLUENER, T. Dissipative quantum dynamics using the stochastic surrogate Hamiltonian approach. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2019, vol. 151, no. 13, 134113., Registrované v: WOS
32. [1.1] HALPERN, Nicole Yunger - WHITE, Christopher David - GOPALAKRISHNAN, Sarang - REFAEL, Gil. Quantum engine based on many-body localization. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 99, no. 2, 024203., Registrované v: WOS
33. [1.1] HEUCK, Mikkel - JACOBS, Kurt - ENGLUND, Dirk R. Controlled-Phase Gate Using Dynamically Coupled Cavities and Optical Nonlinearities. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2020, vol. 124, no. 16, 160501., Registrované v: WOS
34. [1.1] HEUCK, Mikkel - JACOBS, Kurt - ENGLUND, Dirk R. Photon-photon interactions in dynamically coupled cavities. In PHYSICAL REVIEW A. ISSN 2469-9926, 2020, vol. 101, no. 4, 042322., Registrované v: WOS
35. [1.1] HEWGILL, Adam - ONAM GONZALEZ, J. - PALAO, Jose J. - ALONSO, Daniel - FERRARO, Alessandro - DE CHIARA, Gabriele. Three-qubit refrigerator with two-body interactions. In PHYSICAL REVIEW E. ISSN 2470-0045, 2020, vol. 101, no. 1, 012109., Registrované v: WOS
36. [1.1] HSIEH, Chung-Yun - LOSTAGLIO, Matteo - ACIN, Antonio. Entanglement preserving local thermalization. In PHYSICAL REVIEW

- RESEARCH, 2020, vol. 2, no. 1, 013379., Registrované v: WOS
37. [1.1] HUBER, Marcus - PERARNAU-LLOBET, Marti - HOVHANNISYAN, Karen V. - SKRZYPCZYK, Paul - KLOECKL, Claude - BRUNNER, Nicolas - ACIN, Antonio. Thermodynamic cost of creating correlations. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2015, vol. 17, 065008., Registrované v: WOS
38. [1.1] CHERIAN, Prathik J. - CHAKRABORTY, Sagnik - GHOSH, Sibasish. On thermalization of two-level quantum systems. In EPL. ISSN 0295-5075, 2019, vol. 126, no. 4, 40003., Registrované v: WOS
39. [1.1] CHRUSCINSKI, Dariusz - KOSSAKOWSKI, Andrzej. Sufficient conditions for a memory-kernel master equation. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 94, no. 2, 020103., Registrované v: WOS
40. [1.1] CHRUSCINSKI, Dariusz - KOSSAKOWSKI, Andrzej. Generalized semi-Markov quantum evolution. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 95, no. 4, 042131., Registrované v: WOS
41. [1.1] JIN, Jiasen - GIOVANNETTI, Vittorio - FAZIO, Rosario - SCIARRINO, Fabio - MATALONI, Paolo - CRESPI, Andrea - OSELLAME, Roberto. All-optical non-Markovian stroboscopic quantum simulator. In PHYSICAL REVIEW A. ISSN 2469-9926, 2015, vol. 91, no. 1, 012122., Registrované v: WOS
42. [1.1] JONNADULA, Bhargavi - MANDAYAM, Prabha - ZYCZKOWSKI, Karol - LAKSHMINARAYAN, Arul. Impact of local dynamics on entangling power. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 95, no. 4, 040302., Registrované v: WOS
43. [1.1] KARPAT, G. - YALCINKAYA, I - CAKMAK, B. Quantum synchronization in a collision model. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 1, 012133., Registrované v: WOS
44. [1.1] KIANVASH, Farzad - FANIZZA, Marco - GIOVANNETTI, Vittorio. Optimal quantum subtracting machine. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 99, no. 5, 052319., Registrované v: WOS
45. [1.1] KORKMAZ, Ufuk - TURKPENCE, Deniz - AKINCI, Tahir Cetin - SEKER, Serhat. A THERMAL QUANTUM CLASSIFIER. In QUANTUM INFORMATION & COMPUTATION. ISSN 1533-7146, 2020, vol. 20, no. 11-12, pp. 969-986., Registrované v: WOS
46. [1.1] KORZEKWA, Kamil - LOSTAGLIO, Matteo. Classical noise and the structure of minimum uncertainty states. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 93, no. 6, 062347., Registrované v: WOS
47. [1.1] KRETSCHMER, Silvan - LUOMA, Kimmo - STRUNZ, Walter T. Collision model for non-Markovian quantum dynamics. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 94, no. 1, 012106., Registrované v: WOS
48. [1.1] LI, Lei - ZOU, Jian - LI, Hai - XU, Bao-Ming - WANG, Yuan-Mei - SHAO, Bin. Effect of coherence of nonthermal reservoirs on heat transport in a microscopic collision model. In PHYSICAL REVIEW E. ISSN 2470-0045, 2018, vol. 97, no. 2, 022111., Registrované v: WOS
49. [1.1] LI, Li - HALL, Michael J. W. - WISEMAN, Howard M. Concepts of quantum non-Markovianity: A hierarchy. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, 2018, vol. 759, pp. 1-51., Registrované v: WOS

50. [1.1] LI, Xiao-Ming - CHEN, Yong-Xu - XIA, Yun-Jie - ZHANG, Qi - MAN, Zhong-Xiao. Quantum entanglement dynamics based on composite quantum collision model. In CHINESE PHYSICS B. ISSN 1674-1056, 2020, vol. 29, no. 6, 060302., Registrované v: WOS
51. [1.1] LI, Yan - LI, Xingli - JIN, Jiasen. Information scrambling in a collision model. In PHYSICAL REVIEW A. ISSN 2469-9926, 2020, vol. 101, no. 4, 042324., Registrované v: WOS
52. [1.1] LORENZO, Salvatore - CICCARELLO, Francesco - PALMA, G. Massimo. Class of exact memory-kernel master equations. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 93, no. 5, 052111., Registrované v: WOS
53. [1.1] LORENZO, Salvatore - CICCARELLO, Francesco - PALMA, G. Massimo - VACCHINI, Bassano. Quantum Non-Markovian Piecewise Dynamics from Collision Models. In OPEN SYSTEMS & INFORMATION DYNAMICS. ISSN 1230-1612, 2017, vol. 24, no. 4, 1740011., Registrované v: WOS
54. [1.1] LORENZO, Salvatore - CICCARELLO, Francesco - PALMA, G. Massimo. Composite quantum collision models. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 96, no. 3, 032107., Registrované v: WOS
55. [1.1] LORENZO, S. - MCCLOSKEY, R. - CICCARELLO, F. - PATERNOSTRO, M. - PALMA, G. M. Landauer's Principle in Multipartite Open Quantum System Dynamics. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 115, no. 12, 120403., Registrované v: WOS
56. [1.1] LOSTAGLIO, Matteo - ALHAMBRA, Alvaro M. - PERRY, Christopher. Elementary Thermal Operations. In QUANTUM. ISSN 2521-327X, 2018, vol. 2, UNSP 52., Registrované v: WOS
57. [1.1] LUCHNIKOV, I. A. - VINTSKEVICH, S. V. - GRIGORIEV, D. A. - FILIPPOV, S. N. Machine Learning Non-Markovian Quantum Dynamics. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2020, vol. 124, no. 14, 140502., Registrované v: WOS
58. [1.1] MALOUF, William T. B. - SANTOS, Jader P. - CORREA, Luis A. - PATERNOSTRO, Mauro - LANDI, Gabriel T. Wigner entropy production and heat transport in linear quantum lattices. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 99, no. 5, 052104., Registrované v: WOS
59. [1.1] MANZANO, Gonzalo. Squeezed thermal reservoir as a generalized equilibrium reservoir. In PHYSICAL REVIEW E. ISSN 2470-0045, 2018, vol. 98, no. 4, 042123., Registrované v: WOS
60. [1.1] MAN, Zhong-Xiao - XIA, Yun-Jie - FRANCO, Rosario Lo. Temperature effects on quantum non-Markovianity via collision models. In PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 97, no. 6, 062104., Registrované v: WOS
61. [1.1] MAN, Zhong-Xiao - XIA, Yun-Jie - LO FRANCO, Rosario. Validity of the Landauer principle and quantum memory effects via collisional models. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 99, no. 4, 042106., Registrované v: WOS
62. [1.1] MAN, Zhong-Xiao - XIA, Yun-Jie - AN, Nguyen Ba. Heat fluxes in a two-qubit cascaded system due to coherences of a non-thermal bath. In JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS. ISSN 0953-4075, 2020, vol. 53, no. 20, 205505., Registrované v:

WOS

63. [1.1] MAN, Zhong-Xiao - ZHANG, Qi - XIA, Yun-Jie. The effects of system-environment correlations on heat transport and quantum entanglement via collision models. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2019, vol. 18, no. 5, 157., Registrované v: WOS
64. [1.1] MEGIER, Nina - SMIRNE, Andrea - VACCHINI, Bassano. Evolution Equations for Quantum Semi-Markov Dynamics. In ENTROPY, 2020, vol. 22, no. 7, 796., Registrované v: WOS
65. [1.1] MEHBOUDI, Mohammad - PARRONDO, Juan M. R. - ACIN, Antonio. Linear response theory for quantum Gaussian processes. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2019, vol. 21, 083036., Registrované v: WOS
66. [1.1] MICADEI, Kaonan - PETERSON, John P. S. - SOUZA, Alexandre M. - SARTHOUR, Roberto S. - OLIVEIRA, Ivan S. - LANDI, Gabriel T. - BATALHAO, Tiago B. - SERRA, Roberto M. - LUTZ, Eric. Reversing the direction of heat flow using quantum correlations. In NATURE COMMUNICATIONS. ISSN 2041-1723, 2019, vol. 10, 2456., Registrované v: WOS
67. [1.1] MILZ, Simon - KIM, M. S. - POLLOCK, Felix A. - MODI, Kavan. Completely Positive Divisibility Does Not Mean Markovianity. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 123, no. 4, 040401., Registrované v: WOS
68. [1.1] MISRA, Avijit - SINGH, Uttam - BHATTACHARYA, Samyadeb - PATI, Arun Kumar. Energy cost of creating quantum coherence. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 93, no. 5, 052335., Registrované v: WOS
69. [1.1] MOHAMMADY, M. Hamed - ROMITO, Alessandro. Efficiency of a cyclic quantum heat engine with finite-size baths. In PHYSICAL REVIEW E. ISSN 2470-0045, 2019, vol. 100, no. 1, 012122., Registrované v: WOS
70. [1.1] MOLITOR, Otavio A. D. - LANDI, Gabriel T. Stroboscopic two-stroke quantum heat engines. In PHYSICAL REVIEW A. ISSN 2469-9926, 2020, vol. 102, no. 4, 042217., Registrované v: WOS
71. [1.1] PARRONDO, Juan M. R. - ZAMBRINI, Roberta. Open Quantum Systems Dynamics. In THERMODYNAMICS AND SYNCHRONIZATION IN OPEN QUANTUM SYSTEMS. ISSN 2190-5053, 2018, pp. 59-114., Registrované v: WOS
72. [1.1] PEZZUTTO, Marco - PATERNOSTRO, Mauro - OMAR, Yasser. Implications of non-Markovian quantum dynamics for the Landauer bound. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2016, vol. 18, 123018., Registrované v: WOS
73. [1.1] PEZZUTTO, Marco - PATERNOSTRO, Mauro - OMAR, Yasser. An out-of-equilibrium non-Markovian quantum heat engine. In QUANTUM SCIENCE AND TECHNOLOGY. ISSN 2058-9565, 2019, vol. 4, no. 2, 025002., Registrované v: WOS
74. [1.1] PTASZYNSKI, Krzysztof - ESPOSITO, Massimiliano. Entropy Production in Open Systems: The Predominant Role of Intraenvironment Correlations. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 123, no. 20, 200603., Registrované v: WOS
75. [1.1] RODRIGUES, Franklin L. S. - DE CHIARA, Gabriele -

- PATERNOSTRO, Mauro - LANDI, Gabriel T. Thermodynamics of Weakly Coherent Collisional Models. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 123, no. 14, 140601., Registrované v: WOS
76. [1.1] ROMAN-ANCHEYTA, Ricardo - ÇAKMAK, Baris - MUSTEÇAPLIOĞLU, Ozgur E. Spectral signatures of non-thermal baths in quantum thermalization. In QUANTUM SCIENCE AND TECHNOLOGY. ISSN 2058-9565, 2020, vol. 5, no. 1, 015003., Registrované v: WOS
77. [1.1] SEAH, Stella - NIMMRICHTER, Stefan - SCARANI, Valerio. Nonequilibrium dynamics with finite-time repeated interactions. In PHYSICAL REVIEW E. ISSN 2470-0045, 2019, vol. 99, no. 4, 042103., Registrované v: WOS
78. [1.1] SPARACIARI, Carlo - JENNINGS, David - OPPENHEIM, Jonathan. Energetic instability of passive states in thermodynamics. In NATURE COMMUNICATIONS. ISSN 2041-1723, 2017, vol. 8, 1895., Registrované v: WOS
79. [1.1] TARANTO, Philip - BAKHSHINEZHAD, Faraj - SCHUETTELKOPF, Philipp - CLIVAZ, Fabien - HUBER, Marcus. Exponential Improvement for Quantum Cooling through Finite-Memory Effects. In PHYSICAL REVIEW APPLIED. ISSN 2331-7019, 2020, vol. 14, no. 5, 054005., Registrované v: WOS
80. [1.1] TARANTO, Philip - MILZ, Simon - POLLOCK, Felix A. - MODI, Kavan. Structure of quantum stochastic processes with finite Markov order. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 99, no. 4, 042108., Registrované v: WOS
81. [1.1] TARANTO, Philip. Memory effects in quantum processes. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION. ISSN 0219-7499, 2020, vol. 18, no. 2, 1941002., Registrované v: WOS
82. [1.1] TURKPENCE, Deniz - AKINCI, Tahir Cetin - SEKER, Serhat. A steady state quantum classifier. In PHYSICS LETTERS A. ISSN 0375-9601, 2019, vol. 383, no. 13, pp. 1410-1418., Registrované v: WOS
83. [1.1] VALIDO, Antonio A. - RUIZ, Antonia - ALONSO, Daniel. Quantum correlations and energy currents across three dissipative oscillators. In PHYSICAL REVIEW E. ISSN 1539-3755, 2015, vol. 91, no. 6, 062123., Registrované v: WOS
84. [1.1] WANG, Chao-Quan - ZOU, Jian - SHAO, Bin. Analysis of various factors affecting the non-Markovian dynamics associated with a hierarchical environment based on collision model. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2017, vol. 16, no. 6, UNSP 156., Registrované v: WOS
85. [1.1] ZHANG, Qi - MAN, Zhong-Xiao - XIA, Yun-Jie. Non-Markovianity in the presence of multiple thermal environments via collision model. In PHYSICS LETTERS A. ISSN 0375-9601, 2019, vol. 383, no. 21, pp. 2456-2461., Registrované v: WOS
86. [1.1] ZHENG, Wayne - WENG, Zheng-Yu. Quantum entanglement in the t-J chain: From charge-spin separation to recombination. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 101, no. 15, 155122., Registrované v: WOS

anisotropy in a GaAs quantum dot. In *Physical Review Letters*, 2014, vol. 113, no. 25, 256802. (2013: 7.728 - IF, Q1 - JCR, 5.674 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.113.256802>

Ohlasy:

1. [1.1] BIESINGER, D. E. F. - SCHELLER, C. P. - BRAUNECKER, B. - ZIMMERMAN, J. - GOSSARD, A. C. - ZUMBUEHL, D. M. Intrinsic Metastabilities in the Charge Configuration of a Double Quantum Dot. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 115, no. 10, 106804., Registrované v: WOS
2. [1.1] BORJANS, F. - ZAJAC, D. M. - HAZARD, T. M. - PETTA, J. R. Single-Spin Relaxation in a Synthetic Spin-Orbit Field. In PHYSICAL REVIEW APPLIED. ISSN 2331-7019, 2019, vol. 11, no. 4., Registrované v: WOS
3. [1.1] GAWARECKI, Krzysztof - KRZYKOWSKI, Mateusz. Spin-orbit coupling and spin relaxation of hole states in [001]- and [111]-oriented quantum dots of various geometry. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 99, no. 12, 125401., Registrované v: WOS
4. [1.1] HOFFMANN, Stanislaw K. - GOSLAR, Janina. Anisotropy of the electron spin-lattice relaxation. PO32- radical in glycinium phosphite gly center dot H3PO3 crystal. In JOURNAL OF MAGNETIC RESONANCE. ISSN 1090-7807, 2018, vol. 294, pp. 93-100., Registrované v: WOS
5. [1.1] CHEN, Ying-Jie - CUI, Cheng-Feng - LIU, Wen-Fang - SHAO, Feng-Lan. Influences of Rashba Spin-Orbit Coupling on First Excited State of Magnetopolaron in Parabolic Quantum Dot. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2020, vol. 59, no. 6, pp. 1829-1837., Registrované v: WOS
6. [1.1] KORNICH, Viktoriia - KLOEFFEL, Christoph - LOSS, Daniel. Phonon-assisted relaxation and decoherence of singlet-triplet qubits in Si/SiGe quantum dots. In QUANTUM. ISSN 2521-327X, 2018, vol. 2., Registrované v: WOS
7. [1.1] LE, Nguyen H. - FISHER, Andrew J. - CURSON, Neil J. - GINOSSAR, Eran. Topological phases of a dimerized Fermi-Hubbard model for semiconductor nano-lattices. In NPJ QUANTUM INFORMATION, 2020, vol. 6, no. 1, 24., Registrované v: WOS
8. [1.1] LIU, Zhi-Hai - ENTIN-WOHLMAN, O. - AHARONY, A. - YOU, J. Q. Control of the two-electron exchange interaction in a nanowire double quantum dot. In PHYSICAL REVIEW B. ISSN 2469-9950, 2018, vol. 98, no. 24, 241303., Registrované v: WOS
9. [1.1] LIU, Zhi-Hai - LI, Rui. Spin-relaxation anisotropy in a nanowire quantum dot with strong spin-orbit coupling. In AIP ADVANCES. ISSN 2158-3226, 2018, vol. 8, no. 7, 075115., Registrované v: WOS
10. [1.1] LIU, Zhi-Hai - LI, Rui - HU, Xuedong - YOU, J. Q. Spin-orbit coupling and electric-dipole spin resonance in a nanowire double quantum dot. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2018, vol. 8, 2302., Registrované v: WOS
11. [1.1] MANIKANDAN, Sreenath K. - JORDAN, Andrew N. Black holes as Andreev reflecting mirrors. In PHYSICAL REVIEW D. ISSN 1550-7998, 2020, vol. 102, no. 6, 064028., Registrované v: WOS
12. [1.1] NICHOL, John M. - HARVEY, Shannon P. - SHULMAN,

- Michael D. - PAL, Arijeet - UMANSKY, Vladimir - RASHBA, Emmanuel I. - HALPERIN, Bertrand I. - YACOBY, Amir. Quenching of dynamic nuclear polarization by spin-orbit coupling in GaAs quantum dots. In NATURE COMMUNICATIONS. ISSN 2041-1723, 2015, vol. 6, 7682., Registrované v: WOS
13. [1.1] SEGARRA, C. - PLANELLES, J. - CLIMENTE, J. I. - RAJADELL, F. Anisotropy of spin-orbit induced electron spin relaxation in [001] and [111] grown GaAs quantum dots. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2015, vol. 17, 033014., Registrované v: WOS
14. [1.1] STAVROU, V. N. Spin-flip transitions in self-assembled quantum dots. In JOURNAL OF PHYSICS-CONDENSED MATTER. ISSN 0953-8984, 2017, vol. 29, no. 48, 485301., Registrované v: WOS
15. [1.1] STIPSIC, Pavle - MILIVOJEVIC, Marko. Control of a spin qubit in a lateral GaAs quantum dot based on symmetry of gating potential. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 101, no. 16, 165302., Registrované v: WOS
16. [1.1] TANTTU, Tuomo - HENSEN, Bas - CHAN, Kok Wai - YANG, Chih Hwan - HUANG, Wister Wei - FOGARTY, Michael - HUDSON, Fay - ITOH, Kohei - CULCER, Dimitrie - LAUCHT, Arne - MORELLO, Andrea - DZURAK, Andrew. Controlling Spin-Orbit Interactions in Silicon Quantum Dots Using Magnetic Field Direction. In PHYSICAL REVIEW X. ISSN 2160-3308, 2019, vol. 9, no. 2, 021028., Registrované v: WOS
17. [1.1] WANG, Ji-Yin - HUANG, Guang-Yao - HUANG, Shaoyun - XUE, Jianhong - PAN, Dong - ZHAO, Jianhua - XU, Hongqi. Anisotropic Pauli Spin-Blockade Effect and SpinOrbit Interaction Field in an InAs Nanowire Double Quantum Dot. In NANO LETTERS. ISSN 1530-6984, 2018, vol. 18, no. 8, pp. 4741-4747., Registrované v: WOS
18. [1.1] WATSON, Thomas F. - WEBER, Bent - HSUEH, Yu-Ling - HOLLENBERG, Lloyd C. L. - RAHMAN, Rajib - SIMMONS, Michelle Y. Atomically engineered electron spin lifetimes of 30 s in silicon. In SCIENCE ADVANCES. ISSN 2375-2548, 2017, vol. 3, no. 3, e1602811., Registrované v: WOS
19. [1.1] WEBER, Bent - HSUEH, Yu-Ling - WATSON, Thomas F. - LI, Ruoyu - HAMILTON, Alexander R. - HOLLENBERG, Lloyd C. L. - RAHMAN, Rajib - SIMMONS, Michelle Y. Spin-orbit coupling in silicon for electrons bound to donors. In NPJ QUANTUM INFORMATION. ISSN 2056-6387, 2018, vol. 4, 61., Registrované v: WOS
20. [1.1] WESSLEN, C. J. - LINDROTH, E. Confinement sensitivity in quantum dot singlet-triplet relaxation. In JOURNAL OF PHYSICS-CONDENSED MATTER. ISSN 0953-8984, 2017, vol. 29, no. 45, 455302., Registrované v: WOS
21. [1.1] YAMAMOTO, Kazuki - ASHIDA, Yuto - KAWAKAMI, Norio. Rectification in nonequilibrium steady states of open many-body systems. In PHYSICAL REVIEW RESEARCH, 2020, vol. 2, no. 4, 043343., Registrované v: WOS
22. [1.1] ZHANG, Xin - HU, Rui-Zi - LI, Hai-Ou - JING, Fang-Ming - ZHOU, Yuan - MA, Rong-Long - NI, Ming - LUO, Gang - CAO, Gang - WANG, Gui-Lei - HU, Xuedong - JIANG, Hong-Wen - GUO, Guang-Can - GUO, Guo-Ping. Giant Anisotropy of Spin Relaxation and Spin-Valley Mixing in a Silicon Quantum Dot. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007,

2020, vol. 124, no. 25, 257701., Registrované v: WOS

23. [1.1] ZHOU, Chao - KANDAZ, Fatih - CAI, Yunjiao - QIN, Chuan - JIA, Mengwen - YUAN, Zhe - WU, Yizheng - JI, Yi. Anisotropic spin relaxation induced by surface spin-orbit effects. In PHYSICAL REVIEW B. ISSN 2469-9950, 2017, vol. 96, no. 9, 094413., Registrované v: WOS

ADCA1041 SEDLÁK, Michal - FIURÁŠEK, J. Generalized Hofmann quantum process fidelity bounds for quantum filters. In *Physical Review A*, 2016, vol. 93, no. 4, art. no. 042316. (2015: 2.765 - IF, Q1 - JCR, 1.747 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.93.042316>

Ohlasy:

1. [1.1] MAYER, Karl - KNILL, Emanuel. Quantum process fidelity bounds from sets of input states. In PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 98, no. 5, 0526326., Registrované v: WOS

2. [1.1] MICUDA, Michal - STAREK, Robert - FIURASEK, Jaromir - FILIP, Radim. Decoherence-Resilient Linear Optical Two-Qubit Quantum Gate. In PHYSICAL REVIEW APPLIED. ISSN 2331-7019, 2020, vol. 14, no. 5, 054066., Registrované v: WOS

3. [1.1] PFISTER, Corsin - ROL, M. Adriaan - MANTRI, Atul - TOMAMICHEL, Marco - WEHNER, Stephanie. Capacity estimation and verification of quantum channels with arbitrarily correlated errors. In NATURE COMMUNICATIONS. ISSN 2041-1723, 2018, vol. 9, 27., Registrované v: WOS

ADCA1042 SEDLÁK, Michal - REITZNER, Daniel - CHIRIBELLA, G. - ZIMAN, Mário. Incompatible measurements on quantum causal networks. In *Physical Review A*, 2016, vol. 93, no. 5, art. no. 052323. (2015: 2.765 - IF, Q1 - JCR, 1.747 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.93.052323>

Ohlasy:

1. [1.1] FILIPPOV, Sergey N. - HEINOSAARI, Teiko - LEPPAJARVI, Leevi. Necessary condition for incompatibility of observables in general probabilistic theories. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 95, no. 3, 032127., Registrované v: WOS

2. [1.1] HEINOSAARI, Teiko - MIYADERA, Takayuki. Incompatibility of quantum channels. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2017, vol. 50, no. 13, 135302., Registrované v: WOS

3. [1.1] JENCOVA, Anna - PLAVALA, Martin. Conditions on the existence of maximally incompatible two-outcome measurements in general probabilistic theory. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 96, no. 2, 022113., Registrované v: WOS

4. [1.1] JENCOVA, Anna - PLAVALA, Martin. Structure of quantum and classical implementations of the Popescu-Rohrlich box. In PHYSICAL REVIEW A. ISSN 2469-9926, 2020, vol. 102, no. 4, 042208., Registrované v: WOS

5. [1.1] JENCOVA, Anna. Incompatible measurements in a class of general probabilistic theories. In PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 98, no. 1, 012133., Registrované v: WOS

6. [1.1] MILBURN, Gerard - SHRAPNEL, Sally. Classical and Quantum Causal Interventions. In ENTROPY. ISSN 1099-4300, 2018, vol. 20, no. 9, 687., Registrované v: WOS
7. [1.1] PLAVALA, Martin. All measurements in a probabilistic theory are compatible if and only if the state space is a simplex. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 94, no. 4, 042108., Registrované v: WOS
8. [1.1] PLAVALA, Martin. Conditions for the compatibility of channels in general probabilistic theory and their connection to steering and Bell nonlocality. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 96, no. 5, 052127., Registrované v: WOS
9. [1.1] SHAARI, Jesni Shamsul - MANCINI, Stefano. Entropic bounds for unitary testers and mutually unbiased unitary bases. In ANNALS OF PHYSICS. ISSN 0003-4916, 2020, vol. 412, 168043., Registrované v: WOS
10. [1.1] UOLA, Roope - COSTA, Ana C. S. - CHAU NGUYEN, H. - GUEHNE, Otfried. Quantum steering. In REVIEWS OF MODERN PHYSICS. ISSN 0034-6861, 2020, vol. 92, no. 1, 015001., Registrované v: WOS
11. [1.1] UOLA, Roope - KRAFT, Tristan - ABBOTT, Alastair A. Quantification of quantum dynamics with input-output games. In PHYSICAL REVIEW A. ISSN 2469-9926, 2020, vol. 101, no. 5, 052306., Registrované v: WOS

ADCA1043 SEDLÁK, Michal** - BISIO, Alessandro - ZIMAN, Mário. Optimal Probabilistic Storage and Retrieval of Unitary Channels. In *Physical Review Letters*, 2019, vol. 122, no. 17, 170502. (2018: 9.227 - IF, Q1 - JCR, 3.571 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.122.170502>

Ohlasy:

1. [1.1] BEER, Kerstin - BONDARENKO, Dmytro - FARRELLY, Terry - OSBORNE, Tobias J. - SALZMANN, Robert - SCHEIERMANN, Daniel - WOLF, Ramona. Training deep quantum neural networks. In NATURE COMMUNICATIONS. ISSN 2041-1723, 2020, vol. 11, no. 1, 808., Registrované v: WOS
2. [1.1] FENG, Qin - FENG, Tianfeng - TIAN, Yuling - LUO, Maolin - ZHOU, Xiaoqi. Experimentally undoing an unknown single-qubit unitary. In PHYSICAL REVIEW A. ISSN 1050-2947, 2020, vol. 102, no. 1, 012602., Registrované v: WOS
3. [1.1] MO, Yin - CHIRIBELLA, Giulio. Quantum-enhanced learning of rotations about an unknown direction. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2019, vol. 21, no. 11, 113003., Registrované v: WOS
4. [1.1] QUINTINO, Marco Tulio - DONG, Qingxiuxiong - SHIMBO, Atsushi - SOEDA, Akihito - MURAO, Mio. Probabilistic exact universal quantum circuits for transforming unitary operations. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 6, 062339., Registrované v: WOS
5. [1.1] QUINTINO, Marco Tulio - DONG, Qingxiuxiong - SHIMBO, Atsushi - SOEDA, Akihito - MURAO, Mio. Reversing Unknown Quantum Transformations: Universal Quantum Circuit for Inverting General Unitary Operations. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 123, no. 21, 210502., Registrované v: WOS
6. [1.1] UOLA, Roope - KRAFT, Tristan - ABBOTT, Alastair A.

Quantification of quantum dynamics with input-output games. In PHYSICAL REVIEW A. ISSN 2469-9926, 2020, vol. 101, no. 5, 052306., Registrované v: WOS

7. [1.1] WANG, Dong-Sheng. Choi states, symmetry-based quantum gate teleportation, and stored-program quantum computing. In PHYSICAL REVIEW A. ISSN 2469-9926, 2020, vol. 101, no. 5, 052311., Registrované v: WOS

8. [1.1] YANG, Yuxiang - RENNER, Renato - CHIRIBELLA, Giulio. Optimal Universal Programming of Unitary Gates. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2020, vol. 125, no. 21, 210501., Registrované v: WOS

ADCA1044 SEDLÁK, Michal - ZIMAN, Mário. Optimal single-shot strategies for discrimination of quantum measurements. In *Physical Review A*, 2014, vol. 90, no. 5, 052312. (2013: 2.991 - IF, Q1 - JCR, 2.317 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.90.052312>

Ohlasy:

1. [1.1] CAO, TianQing - GAO, Fei - TIAN, GuoJing - XIE, ShuCui - WEN, QiaoYan. Local discrimination scheme for some unitary operations. In SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY. ISSN 1674-7348, 2016, vol. 59, no. 9, 690311., Registrované v: WOS

2. [1.1] CAO, Tian-Qing - GAO, Fei - ZHANG, Zhi-Chao - YANG, Ying-Hui - WEN, Qiao-Yan. Perfect discrimination of projective measurements with the rank of all projectors being one. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2015, vol. 14, no. 7, pp. 2645., Registrované v: WOS

3. [1.1] CAO, Tian-Qing - GAO, Fei - YANG, Ying-Hui - ZHANG, Zhi-Chao - WEN, Qiao-Yan. Determination of locally perfect discrimination for two-qubit unitary operations. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2016, vol. 15, no. 1, pp. 529-549., Registrované v: WOS

4. [1.1] CAO, Tian-Qing - YANG, Ying-Hui - ZHANG, Zhi-Chao - TIAN, Guo-Jing - GAO, Fei - WEN, Qiao-Yan. Minimal number of runs and the sequential scheme for local discrimination between special unitary operations. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2016, vol. 6, 26696., Registrované v: WOS

5. [1.1] DUNJKO, Vedran - BRIEGEL, Hans J. Machine learning & artificial intelligence in the quantum domain: a review of recent progress. In REPORTS ON PROGRESS IN PHYSICS. ISSN 0034-4885, 2018, vol. 81, no. 7, 074001., Registrované v: WOS

6. [1.1] GYONGYOSI, Laszlo - IMRE, Sandor. A Survey on quantum computing technology. In COMPUTER SCIENCE REVIEW. ISSN 1574-0137, 2019, vol. 31, pp. 51-71., Registrované v: WOS

7. [1.1] CHATURVEDI, Anubhav - SAHA, Debashis. Quantum prescriptions are ontologically more distinct than they are operationally distinguishable. In QUANTUM. ISSN 2521-327X, 2020, vol. 4., Registrované v: WOS

8. [1.1] JENCOVA, Anna - PLAVALA, Martin. Conditions for optimal input states for discrimination of quantum channels. In JOURNAL OF MATHEMATICAL PHYSICS. ISSN 0022-2488, 2016, vol. 57, no. 12, 122203.,

Registrované v: WOS

9. [1.1] OSZMANIEC, Michal - MACIEJEWSKI, Filip B. - PUCHALA, Zbigniew. Simulating all quantum measurements using only projective measurements and postselection. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2019, vol. 100, no. 1, 012351., Registrované v: WOS

10. [1.1] PUCHALA, Zbigniew - PAWELA, Lukasz - KRAWIEC, Aleksandra - KUKULSKI, Ryszard. Strategies for optimal single-shot discrimination of quantum measurements. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2018, vol. 98, no. 4, 042103., Registrované v: WOS

ADCA1045 SEDLÁK, Michal - PLESCH, Martin. Towards optimization of quantum circuits. In *Central European Journal of Physics*, 2008, vol. 6, no. 1, p. 128-134. (2007: 0.538 - IF, Q4 - JCR, Current Contents - CCC). (2008 - Current Contents, SCOPUS). ISSN 1895-1082.

Ohlasy:

1. [1.1] KIM, Taewan - CHOI, Byung-Soo. Efficient decomposition methods for controlled-R-n using a single ancillary qubit. In *SCIENTIFIC REPORTS*. ISSN 2045-2322, 2018, vol. 8, 5445., Registrované v: WOS

ADCA1046 SEDLÁK, Michal - ZIMAN, Mário - BUŽEK, Vladimír - HILLERY, M. Unambiguous identification of coherent states. II. Multiple resources. In *Physical Review A*, 2009, vol. 79, no. 6, 062305. (2008: 2.908 - IF, Q1 - JCR, 2.536 - SJR, Q1 - SJR, Current Contents - CCC). (2009 - Current Contents, WOS, SCOPUS). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.79.062305>

Ohlasy:

1. [1.1] JAFARIZADEH, M. A. - MAHMOUDI, P. - AKHGAR, D. - FAIZI, E. Designing an optimal, universal, programmable, and unambiguous discriminator for N unknown qubits. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2017, vol. 96, no. 5, 052111., Registrované v: WOS

ADCA1047 SEDLÁK, Michal - ZIMAN, Mário - PRIBYLA, O. - BUŽEK, Vladimír - HILLERY, M. Unambiguous identification of coherent states: Searching a quantum database. In *Physical Review A*, 2007, vol. 76, no. 2, 022326. (2006: 3.047 - IF, Q1 - JCR, 1.834 - SJR, Q1 - SJR, Current Contents - CCC). (2007 - Current Contents, WOS, SCOPUS). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.76.022326>

Ohlasy:

1. [1.1] DONALDSON, Ross J. - COLLINS, Robert J. - ELEFThERIADOU, Electra - BARNETT, Stephen M. - JEFFERS, John - BULLER, Gerald S. Experimental Implementation of a Quantum Optical State Comparison Amplifier. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2015, vol. 114, no. 12, 120505., Registrované v: WOS

2. [1.1] JAFARIZADEH, M. A. - MAHMOUDI, P. - AKHGAR, D. - FAIZI, E. Designing an optimal, universal, programmable, and unambiguous discriminator for N unknown qubits. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2017, vol. 96, no. 5, 052111., Registrované v: WOS

3. [1.1] KUBICKI, Aleksander M. - PALAZUELOS, Carlos - PEREZ-GARCIA, David. Resource Quantification for the No-Programming Theorem. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2019, vol. 122, no. 8, 080505., Registrované v: WOS

ADCA1048 SEDLÁK, Michal - ZIMAN, Mário - BUŽEK, Vladimír - HILLERY, M. Unambiguous comparison of ensembles of quantum states. In *Physical Review A*, 2008, vol. 77, no. 4, 042304. (2007: 2.893 - IF, Q1 - JCR, 2.524 - SJR, Q1 - SJR, Current Contents - CCC). (2008 - Current Contents). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.77.042304>

Ohlasy:

1. [1.1] ADLAM, Emily - KENT, Adrian. Knowledge-Concealing Evidencing of Knowledge About a Quantum State. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2018, vol. 120, no. 5, 050501., Registrované v: WOS

ADCA1049 SEDLÁK, Michal - ZIMAN, Mário. Unambiguous comparison of unitary channels. In *Physical Review A*, 2009. Vol. 79, 012303.

Ohlasy:

1. [1.1] PUCHALA, Zbigniew - PAWELA, Lukasz - KRAWIEC, Aleksandra - KUKULSKI, Ryszard. Strategies for optimal single-shot discrimination of quantum measurements. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2018, vol. 98, no. 4, 042103., Registrované v: WOS

ADCA1050 SELIVERSTOV, M.D. - COCOLIOS, T.E. - DEXTERS, W. - ANDREYEV, A.E. - ANTALIC, S. - BARZAKH, A.E. - BASTIN, B. - BUSCHER, J. - DARBY, I.G. - FEDOROV, D.V. - FEDOSSEEV, V.N. - FLANAGAN, K.T. - FRANCHOO, S. - HUBER, G. - HUYSE, M. - KEUPERS, M. - KOSTER, U. - KUDRYAVTSEV, Yu. - MARSH, B.A. - MOLKANOV, P.L. - PAGE, R.D. - SJODIN, A.M. - STEFAN, I. - VAN DUPPEN, P. - VENHART, Martin - ZEMLYANOY, S.G. Electromagnetic moments of odd-A Po-193-203, Po-211 isotopes. In *Physical Review C*, 2014, vol. 89, no. 3, 034323. (2013: 3.881 - IF, Q1 - JCR, 2.584 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.89.034323>

Ohlasy:

1. [1.1] BASUNIA, M. Shamsuzzoha. Nuclear Data Sheets for A=193. In *NUCLEAR DATA SHEETS*. ISSN 0090-3752, 2017, vol. 143, pp. 1-381., Registrované v: WOS
2. [1.1] FINK, D. A. - BLAUM, K. - FEDOSSEEV, V. N. - MARSH, B. A. - ROSSEL, R. E. - ROTHE, S. Determination of the first ionization energy of polonium by resonance ionization spectroscopy Part II: Measurement of odd-parity Rydberg states at CERN-ISOLDE. In *SPECTROCHIMICA ACTA PART B-ATOMIC SPECTROSCOPY*. ISSN 0584-8547, 2019, vol. 151, pp. 72-82., Registrované v: WOS
3. [1.1] GARCIA-RAMOS, J. E. - HEYDE, K. Nuclear shape coexistence in Po isotopes: An interacting boson model study. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2015, vol. 92, no. 3, 034309., Registrované v: WOS
4. [1.1] SHOHANI, S. - KARDAN, A. Shape coexistence in even-even Po isotopic chain. In *INTERNATIONAL JOURNAL OF MODERN PHYSICS E*. ISSN 0218-3013, 2019, vol. 28, no. 10, 1950086., Registrované v: WOS
5. [1.1] YANASE, K. - TERUYA, E. - HIGASHIYAMA, K. - YOSHINAGA, N. Shell-model study of Pb, Bi, Po, At, Rn, and Fr isotopes with

masses from 210 to 217. In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 1, 014308., Registrované v: WOS

ADCA1051 SELIVERSTOV, M.D. - COCOLIOS, T.E. - DEXTERS, W. - ANDREYEV, A.N. - ANTALIC, S. - BARZAKH, A.E. - BASTIN, B. - BUSCHER, J. - DARBY, I.G. - FEDOROV, D.V. - FEDOSEYEV, V.N. - FLANAGAN, K.T. - FRANCHOO, S. - FRITZSCHE, S. - HUBER, G. - HUYSE, M. - KEUPERS, M. - KOSTER, U. - KUDRYAVTSEV, Yu. - MARSH, B.A. - MOLKANOV, P.L. - PAGE, R.D. - SJODIN, A.M. - STEFAN, I. - VAN DE WALLE, J. - VAN DUPPEN, P. - VENHART, Martin - ZEMLYANOY, S.G. Charge radii of odd-A Po191-211 isotopes. In *Physics Letters B*, 2013, vol. 719, no. 4-5, p. 362-366. (2012: 4.569 - IF, Q1 - JCR, 3.353 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2013.01.043>

Ohlasy:

1. [1.1] BAO, M. - ZONG, Y. Y. - ZHAO, Y. M. - ARIMA, A. Local relations of nuclear charge radii. In PHYSICAL REVIEW C. ISSN 0556-2813, 2020, vol. 102, no. 1, 014306., Registrované v: WOS
2. [1.1] BASUNIA, M. Shamsuzzoha. Nuclear Data Sheets for A=193. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2017, vol. 143, pp. 1-381., Registrované v: WOS
3. [1.1] BUTLER, P. A. - CEDERKALL, J. - REITER, P. Nuclear-structure studies of exotic nuclei with MINIBALL. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2017, vol. 44, no. 4, 044012., Registrované v: WOS
4. [1.1] CAMPBELL, P. - MOORE, I. D. - PEARSON, M. R. Laser spectroscopy for nuclear structure physics. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2016, vol. 86, no., pp. 127-180., Registrované v: WOS
5. [1.1] GARCIA-RAMOS, J. E. - HEYDE, K. Nuclear shape coexistence in Po isotopes: An interacting boson model study. In PHYSICAL REVIEW C. ISSN 2469-9985, 2015, vol. 92, no. 3, 034309., Registrované v: WOS
6. [1.1] CHEN, J. - KONDEV, F. G. Nuclear Data Sheets for A=209. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2015, vol. 126, pp. 373., Registrované v: WOS
7. [1.1] JONSON, Bjorn. What's next in nuclear physics with RIB's. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2016, vol. 131, no. 2, 20., Registrované v: WOS
8. [1.1] MANJUNATHA, H. C. - SEENAPPA, L. - SRIDHAR, K. N. Nuclear Charge Radii of Superheavy Nuclei from Alpha Decay Properties. In IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY TRANSACTION A-SCIENCE. ISSN 1028-6276, 2020, vol. 44, no. 2, pp. 527-535., Registrované v: WOS
9. [1.1] QIAN, Yibin - REN, Zhongzhou. Tentative study of nuclear charge radii for neutron-deficient nuclei around the Z=82 shell from experimental α decay data. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 945, no., pp. 134-143., Registrované v: WOS
10. [1.1] RAEDER, Sebastian - KRON, Tobias - HEINKE, Reinhard - HENARES, Jose L. - LECESNE, Nathalie - SCHOENBERG, Pascal -

TRUEMPER, Marcel - WENDT, Klaus. High resolution spectroscopy of the hyperfine structure splitting in Tc-97,Tc-99. In HYPERFINE INTERACTIONS. ISSN 0304-3843, 2017, vol. 238, 15., Registrované v: WOS

11. [1.1] WANG, Meng - AUDI, G. - KONDEV, F. G. - HUANG, W. J. - NAIMI, S. - XU, Xing. The AME2016 atomic mass evaluation (II). Tables, graphs and references. In CHINESE PHYSICS C. ISSN 1674-1137, 2017, vol. 41, no. 3, 030003., Registrované v: WOS

12. [1.1] WRZOSEK-LIPSKA, K. - GAFFNEY, L. P. Unique and complementary information on shape coexistence in the neutron-deficient Pb region derived from Coulomb excitation. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2016, vol. 43, no. 2, 024012., Registrované v: WOS

ADCA1052 SEN DE, Aditi - SEN, Ujjwal - BRUKNER, Caslav - BUŽEK, Vladimír - ZUKOWSKI, Marek. Entanglement swapping of noisy states: A kind of superadditivity in nonclassicality. In *Physical Review A*, 2005, vol. 72, no. 4, 042310. Dostupné na: <https://doi.org/10.1103/PhysRevA.72.042310>

Ohlasy:

1. [1.1] BANERJEE, Ratul - GHOSH, Srijon - MAL, Shiladitya - SEN(DE), Aditi. Spreading nonlocality in a quantum network. In PHYSICAL REVIEW RESEARCH, 2020, vol. 2, no. 4, 043355., Registrované v: WOS

2. [1.1] BOWLES, Joseph - FRANCFORT, Jeremie - FILLETTAZ, Mathieu - HIRSCH, Flavien - BRUNNER, Nicolas. Genuinely Multipartite Entangled Quantum States with Fully Local Hidden Variable Models and Hidden Multipartite Nonlocality. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2016, vol. 116, no. 13, 130401., Registrované v: WOS

3. [1.1] BOWLES, Joseph - SUPIC, Ivan - CAVALCANTI, Daniel - ACIN, Antonio. Device-Independent Entanglement Certification of All Entangled States. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2018, vol. 121, no. 18, 180503., Registrované v: WOS

4. [1.1] CAMALET, S. Measure-independent anomaly of nonlocality. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 96, no. 5, 052332., Registrované v: WOS

5. [1.1] CARVACHO, Gonzalo - ANDREOLI, Francesco - SANTODONATO, Luca - et al. Experimental violation of local causality in a quantum network. In NATURE COMMUNICATIONS. ISSN 2041-1723, 2017, vol. 8, 14775., Registrované v: WOS

6. [1.1] FREY, Michael. A Bell inequality for a class of multilocal ring networks. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2017, vol. 16, no. 11, UNSP 266., Registrované v: WOS

7. [1.1] HIRSCH, Flavien - QUINTINO, Marco Tulio - BOWLES, Joseph - VERTESI, Tamys - BRUNNER, Nicolas. Entanglement without hidden nonlocality. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2016, vol. 18, 113019., Registrované v: WOS

8. [1.1] CHAVES, Rafael. Polynomial Bell Inequalities. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2016, vol. 116, no. 1, 010402., Registrované v: WOS

9. [1.1] KIRBY, Brian T. et al. The Utility of Entanglement Swapping in Quantum Communications. In PROCEEDINGS OF SPIE, 2016, vol. 9980, 99800L., Registrované v: WOS

10. [1.1] KIRBY, Brian T. - SANTRA, Siddhartha - MALINOVSKY, Vladimir S. - BRODSKY, Michael. Entanglement swapping of two arbitrarily degraded entangled states. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 94, no. 1, 012336., Registrované v: WOS
11. [1.1] PODERINI, Davide - BRITO, Samurai - NERY, Ranieri - SCIARRINO, Fabio - CHAVES, Rafael. Criteria for nonclassicality in the prepare-and-measure scenario. In PHYSICAL REVIEW RESEARCH, 2020, vol. 2, no. 4, 043106., Registrované v: WOS
12. [1.1] SUPIC, Ivan - BANCAL, Jean-Daniel - BRUNNER, Nicolas. Quantum Nonlocality in Networks Can Be Demonstrated with an Arbitrarily Small Level of Independence between the Sources. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2020, vol. 125, no. 24, 240403., Registrované v: WOS
13. [1.1] SUPIC, Ivan - BOWLES, Joseph. Self-testing of quantum systems: a review. In QUANTUM. ISSN 2521-327X, 2020, vol. 4., Registrované v: WOS
14. [1.1] SU, Zhaofeng - GUAN, Ji - LI, Lvzhou. Efficient quantum repeater with respect to both entanglement-concentration rate and complexity of local operations and classical communication. In PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 97, no. 1, 012325., Registrované v: WOS
15. [1.1] TAVAKOLI, Armin. Bell-type inequalities for arbitrary noncyclic networks. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 93, no. 3, 030101., Registrované v: WOS

ADCA1053 SERINA, M. - GENZOR, Jozef - LEE, Y. - GENDIAR, Andrej. Free-energy analysis of spin models on hyperbolic lattice geometries. In *Physical Review E*, 2016, vol. 93, no. 4, art. no. 042123. (2015: 2.252 - IF, Q1 - JCR, 1.183 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 2470-0045. Dostupné na: <https://doi.org/10.1103/PhysRevE.93.042123>

Ohlasy:

1. [1.1] MERTENS, Stephan - MOORE, Cristopher. Percolation thresholds in hyperbolic lattices. In PHYSICAL REVIEW E. ISSN 2470-0045, 2017, vol. 96, no. 4, 042116., Registrované v: WOS

ADCA1054 SHALYGUINA, E.E. - ŠKORVÁNEK, Ivan - ŠVEC, Peter - MELNIKOV, V.A. - ABROSIMOVA, N.M. Inverted near-surface hysteresis loops in heterogeneous (nanocrystalline/amorphous) Fe₈₁Nb₇B₁₂ alloys. In *Journal of Experimental and Theoretical Physics*, 2004, vol. 99, no. 3, p. 544-551. (2003: 1.156 - IF, Current Contents - CCC). (2004 - Current Contents, WOS, SCOPUS). ISSN 1063-7761. Dostupné na: <https://doi.org/10.1134/1.1809683>

Ohlasy:

1. [1.1] BELOSHENKO, V.A. Modifying the structure and properties of Cu-Fe composites. In PHYSICS OF METALS AND METALLOGRAPHY, 2015, vol. 116, p. 456-466., Registrované v: WOS
2. [1.1] SURLA, Radoslav - MITROVIC, Nebojga - VASIC, Milica - MINIC, Dragica. The Inverted Hysteresis Loops and Exchange Bias Effects in Amorphous/Nanocrystalline Fe₇₂Cu₁V₄Si₁₅B₈ Ribbons at Room Temperature. In SCIENCE OF SINTERING. ISSN 0350-820X, 2020, vol. 52, no. 3, pp. 283-298., Registrované v: WOS

ADCA1055 SHALYGUINA, E.E. - ŠKORVÁNEK, Ivan - ŠVEC, Peter - MOLOKANOV, V.V. - MEL'NIKOV, V.A. Inverted surface hysteresis loops in heterogeneous (nanocrystalline/amorphous) Fe₈₁Nb₇B₁₂ alloys. In *Technical Physics Letters*, 2004, vol. 30, no. 7, p. 591-594. ISSN 1063-7850. Dostupné na: <https://doi.org/10.1134/1.1783412>

Ohlasy:

1. [1.1] ALATAWNEH, Natheer - PILLAY, Pragasen. Modeling of the interleaved hysteresis loop in the measurements of rotational core losses. In *JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS*. ISSN 0304-8853, 2016, vol. 397, pp. 157-163. Dostupné na: <https://doi.org/10.1016/j.jmmm.2015.08.109>., Registrované v: WOS
2. [1.1] DIMIAN, M. - ANDREI, P. - MEHTA, M. - IDUBOR, O. A. Thermal relaxation in magnetic multi-layer materials with mixed hysteretic behavior. In *JOURNAL OF APPLIED PHYSICS*. ISSN 0021-8979, 2015, vol. 117, no. 17, 17A745., Registrované v: WOS

ADCA1056 SHEPA, Ivan** - MÚDRA, Erika - VOJTKO, Marek - MILKOVIČ, Ondrej - DANKOVÁ, Zuzana - ANTAL, Vitaliy - ANNUŠOVÁ, Adriana - MAJKOVÁ, Eva - DUSZA, Ján. Influence of the polymer precursor blend composition on the morphology of the electrospun oxide ceramic fibers. In *Results in Physics*, 2019, vol. 13, no. 10, 102243. (2018: 3.042 - IF, Q1 - JCR, 0.452 - SJR, Q2 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 2211-3797. Dostupné na: <https://doi.org/10.1016/j.rinp.2019.102243>

Ohlasy:

1. [1.1] NEALY, Sarah L. L. - SEVERINO, Courtney - BRAYER, W. Anthony - STANISHEVSKY, Andrei. Nanofibrous TiO₂ produced using alternating field electrospinning of titanium alkoxide precursors: crystallization and phase development. In *RSC ADVANCES*, 2020, vol. 10, no. 12, pp. 6840-6849., Registrované v: WOS
2. [1.1] NUGROHO, Doni B. - RIANJANU, Aditya - TRIYANA, Kuwat - KUSUMAATMAJA, Ahmad - ROTO, Roto. Quartz crystal microbalance-coated cellulose acetate nanofibers overlaid with chitosan for detection of acetic anhydride vapor. In *RESULTS IN PHYSICS*. ISSN 2211-3797, 2019, vol. 15., Registrované v: WOS

ADCA1057 SHI, Xingyuan** - NÁDAŽDY, Vojtech - PEREVEDENTSEV, Aleksandr - FROST, Jarvist M. - WANG, Xuhua - VON HAUFF, Elizabeth - MACKENZIE, Roderick C. I. - NELSON, Jenny**. Relating Chain Conformation to the Density of States and Charge Transport in Conjugated Polymers: The Role of the beta-phase in Poly(9,9-dioctylfluorene). In *Physical Review X*, 2019, vol. 9, no. 2, 021038. (2018: 12.211 - IF, Q1 - JCR, 6.497 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 2160-3308. Dostupné na: <https://doi.org/10.1103/PhysRevX.9.021038>

Ohlasy:

1. [1.1] PEREVEDENTSEV, Aleksandr - CAMPOY-QUILES, Mariano. Rapid and high-resolution patterning of microstructure and composition in organic semiconductors using 'molecular gates'. In *NATURE COMMUNICATIONS*. ISSN 2041-1723, 2020, vol. 11, no. 1, 3610., Registrované v: WOS

2. [1.1] ROHR, Jason A. - MACKENZIE, Roderick C. Analytical description of mixed ohmic and space-charge-limited conduction in single-carrier devices. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2020, vol. 128, no. 16, 165701., Registrované v: WOS
3. [1.1] SHI, Xiaohong - HU, Ming - YAO, Di - HU, Miaomiao - DAN, Shiyun - HUANG, Jin - ZHOU, Jihua. The Effect of Electric Field on Carrier Mobility in Organic Semiconductors Based on Exponential Type Density of States and Genuine Transport Energy. In IEEE ELECTRON DEVICE LETTERS. ISSN 0741-3106, 2020, vol. 41, no. 10, pp. 1552-1555., Registrované v: WOS
4. [1.1] WAN, Li - WADE, Jessica - SHI, Xingyuan - XU, Shengda - FUCHTER, Matthew J. - CAMPBELL, Alasdair J. Highly Efficient Inverted Circularly Polarized Organic Light-Emitting Diodes. In ACS APPLIED MATERIALS & INTERFACES. ISSN 1944-8244, 2020, vol. 12, no. 35, pp. 39471-39478., Registrované v: WOS
5. [1.1] WETZELAER, G. A. H. Improved Determination of the Mobility and Built-In Voltage in Asymmetric Single-Carrier Devices. In PHYSICAL REVIEW APPLIED. ISSN 2331-7019, 2020, vol. 13, no. 3, 034069., Registrované v: WOS
6. [1.1] XIAO, Biao - CALADO, Philip - MACKENZIE, Roderick C. I. - KIRCHARTZ, Thomas - YAN, Jun - NELSON, Jenny. Relationship between Fill Factor and Light Intensity in Solar Cells Based on Organic Disordered Semiconductors: The Role of Tail States. In PHYSICAL REVIEW APPLIED. ISSN 2331-7019, 2020, vol. 14, no. 2, 024034., Registrované v: WOS
7. [1.1] YUAN, Jun - ZHANG, Chujun - CHEN, Honggang - ZHU, Can - CHEUNG, Sin Hang - QIU, Beibei - CAI, Fangfang - WEI, Qingya - LIU, Wei - YIN, Hang - ZHANG, Rui - ZHANG, Jidong - LIU, Ye - ZHANG, Huotian - LIU, Weifang - PENG, Hongjian - YANG, Junliang - MENG, Lei - GAO, Feng - SO, Shukong - LI, Yongfang - ZOU, Yingping. Understanding energetic disorder in electron-deficient-core-based non-fullerene solar cells. In SCIENCE CHINA-CHEMISTRY. ISSN 1674-7291, 2020, vol. 63, no. 8, pp. 1159-1168., Registrované v: WOS

ADCA1058 SHUKLA, A.K. - DHAKA, R.S. - D'SOUZA, S.W. - SINGH, Sanjay - WU, D. - LOGRASSO, T.A. - KRAJČÍ, Marián - HAFNER, J. - HORN, K. - BARMAN, S.R. Quasiperiodic layers of free-electron metals studied using electron diffraction. In *Physical Review B*, 2009, vol. 79, no. 13, 134206. ISSN 1098-0121.

Ohlasy:

1. [1.1] NOZAWA, Kazuki - ISHII, Yasushi. Adsorption structure of Bi on the fivefold surface of i-Ag-In-Yb quasicrystal. In 13TH INTERNATIONAL CONFERENCE ON QUASICRYSTALS (ICQ13). ISSN 1742-6588, 2017, vol. 809, UNSP 012018., Registrované v: WOS

ADCA1059 SCHAUER, F.** - TKÁČ, L. - OŽVOLDOVÁ, M. - NÁDAŽDY, Vojtech - GMUCOVÁ, Katarína - JERGEL, Matej - ŠIFFALOVIC, Peter. Effect of crystallinity on UV degradability of poly[methyl(phenyl)silane] by energy-resolved electrochemical impedance spectroscopy. In *AIP Advances*, 2017, vol. 7, no. 5, art. no. 055002. (2016: 1.568 - IF, Q3 - JCR, 0.957 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 2158-3226. Dostupné na: <https://doi.org/10.1063/1.4983215>

Ohlasy:

1. [1.1] NI, Zu-Rong - CUI, Xiao-Hong - CAO, Shuo-Hui - CHEN, Zhong. A novel in situ electrochemical NMR cell with a palisade gold film electrode. In AIP ADVANCES. ISSN 2158-3226, 2017, vol. 7, no. 8, 085205., Registrované v: WOS

ADCA1060 SCHAUER, F.** - NÁDAŽDY, Vojtech - GMUCOVÁ, Katarína.

Electrochemical impedance spectroscopy for study of electronic structure in disordered organic semiconductors-Possibilities and limitations. In *Journal of Applied Physics*, 2018, vol. 123, no. 16, art. no. 161590. (2017: 2.176 - IF, Q2 - JCR, 0.739 - SJR, Q2 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 0021-8979. Dostupné na: <https://doi.org/10.1063/1.5008830>

Ohlasy:

1. [1.1] AHMAD, Zubair - MISHRA, Arti - ABDULRAHIM, Sumayya Muhammad - TOUATI, Farid. Electrical equivalent circuit (EEC) based impedance spectroscopy analysis of HTM free perovskite solar cells. In JOURNAL OF ELECTROANALYTICAL CHEMISTRY. ISSN 1572-6657, 2020, vol. 871, 114294., Registrované v: WOS
2. [1.1] GNANASEKARAN, M. - MOHAN, K. - KUMARAVEL, A. - MAGIBALAN, S. Characterization, corrosion behavior, effect of temperature and inhibition studies on AA6351 frictional surfaced mild steel. In JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY-JMR&T. ISSN 2238-7854, 2020, vol. 9, no. 6, pp. 16080-16092., Registrované v: WOS
3. [1.1] KARKI, Akchheta - WETZELAER, Gert-Jan A. H. - REDDY, Gollapalli Narayana Manjunatha - NADAZDY, Vojtech - SEIFRID, Martin - SCHAUER, Franz - BAZAN, Guillermo C. - CHMELKA, Bradley F. - BLOM, Paul W. M. - THUC-QUYEN NGUYEN. Unifying Energetic Disorder from Charge Transport and Band Bending in Organic Semiconductors. In ADVANCED FUNCTIONAL MATERIALS. ISSN 1616-301X, 2019, vol. 29, no. 20, 1901109., Registrované v: WOS
4. [1.1] KOMABA, Kyoka - GOTO, Hiromasa. Soliton excitations in liquid crystal polyacetylene. In MOLECULAR CRYSTALS AND LIQUID CRYSTALS. ISSN 1542-1406, 2020, vol. 703, no. 1, pp. 69-78., Registrované v: WOS
5. [1.1] WEBER, Michelle - WESTENDORF, Sophia - MAERKER, Bjoern - BRAUN, Kai - SCHEELE, Marcus. Opportunities and challenges for electrochemistry in studying the electronic structure of nanocrystals. In PHYSICAL CHEMISTRY CHEMICAL PHYSICS. ISSN 1463-9076, 2019, vol. 21, no. 18, pp. 8992-9001., Registrované v: WOS

ADCA1061 SCHAUER, F. - TKÁČOVÁ, M. - NÁDAŽDY, Vojtech -

GMUCOVÁ, Katarína - OŽVOLDOVÁ, M. - TKÁČ, L. - CHLPÍK, J. Electronic structure of UV degradation defects in polysilanes studied by energy resolved-electrochemical impedance spectroscopy. In *Polymer Degradation and Stability*, 2016, vol. 126, p. 204-208. (2015: 3.120 - IF, Q1 - JCR, 1.209 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0141-3910. Dostupné na: <https://doi.org/10.1016/j.polymdegradstab.2016.02.016>

Ohlasy:

1. [1.1] ACEVEDO-PENA, Prospero - BARAY-CALDERON, Alejandro - HU, Hailin - GONZALEZ, Ignacio - UGALDE-SALDIVAR, Victor

M. Measurements of HOMO-LUMO levels of poly(3-hexylthiophene) thin films by a simple electrochemical method. In JOURNAL OF SOLID STATE ELECTROCHEMISTRY. ISSN 1432-8488, 2017, vol. 21, no. 8, pp. 2407-2414., Registrované v: WOS

2. [1.1] CHEN, Fen - ZHOU, Rui - LIAO, Liang - JIA, Ru - ZHAO, Rong - FU, Changping - YAO, Rongqian - FENG, Zude. Synthesis, optical properties and stability of two sigma-pi conjugated polycarbosilanes with silylene-1,2-diphenyleneethylene-silylene and silylene-terephthalidene-silylene backbones via Grignard reactions. In SYNTHETIC METALS. ISSN 0379-6779, 2016, vol. 221, pp. 253-260., Registrované v: WOS

3. [1.1] KARKI, Akchheta - VOLLBRECHT, Joachim - GILLET, Alexander J. - SELTER, Philipp - LEE, Jaewon - PENG, Zhengxing - SCHOPP, Nora - DIXON, Alana L. - SCHROCK, Max - NADAZDY, Vojtech - SCHAUER, Franz - ADE, Harald - CHMELKA, Bradley F. - BAZAN, Guillermo C. - FRIEND, Richard H. - NGUYEN, Thuc-Quyen. Unifying Charge Generation, Recombination, and Extraction in Low-Offset Non-Fullerene Acceptor Organic Solar Cells. In ADVANCED ENERGY MATERIALS. ISSN 1614-6832, 2020, vol. 10, no. 29, 2001203., Registrované v: WOS

4. [1.1] MARKOVIC, Zoran M. - LABUDOVA, Martina - DANKO, Martin - MATIJASEVIC, Danka - MICUSIK, Matej - NADAZDY, Vojtech - KOVACOVA, Maria - KLEINOVA, Angela - SPITALSKY, Zdeno - PAVLOVIC, Vladimir - MILIVOJEVIC, Dusan D. - MEDIC, Mina - MARKOVIC, Biljana M. Todorovic. Highly Efficient Antioxidant F- and Cl-Doped Carbon Quantum Dots for Bioimaging. In ACS SUSTAINABLE CHEMISTRY & ENGINEERING. ISSN 2168-0485, 2020, vol. 8, no. 43, pp. 16327-16338., Registrované v: WOS

5. [1.1] MAVRIC, Andraz - BADASYAN, Artem - FANETTI, Mattia - VALANT, Matjaz. Molecular size and solubility conditions of polysilane macromolecules with different topology. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2016, vol. 6, 35450., Registrované v: WOS

6. [1.1] MEENU, Km - BAG, Dibyendu S. - LAGARKHA, Rekha - TOMAR, Radha - GUPTA, Arvind K. Functional Polysilanes and their Optical, Chiroptical and Photoluminescence Properties. In CURRENT ORGANOCATALYSIS. ISSN 2213-3372, 2019, vol. 6, no. 3, pp. 193-221., Registrované v: WOS

7. [1.1] VOLK, Sebastian - YAZDANI, Nuri - SANUSOGLU, Emir - YAREMA, Olesya - YAREMA, Maksym - WOOD, Vanessa. Measuring the Electronic Structure of Nanocrystal Thin Films Using Energy-Resolved Electrochemical Impedance Spectroscopy. In JOURNAL OF PHYSICAL CHEMISTRY LETTERS. ISSN 1948-7185, 2018, vol. 9, no. 6, pp. 1384-1392., Registrované v: WOS

8. [1.1] WYPYCH, George. UV DEGRADATION & STABILIZATION OF INDUSTRIAL PRODUCTS. In HANDBOOK OF UV DEGRADATION AND STABILIZATION, 3RD EDITION, 2020, pp. 323-412., Registrované v: WOS

ADCA1062 SCHAUER, F. - TKÁČ, L. - OŽVOLDOVÁ, M. - NÁDAŽDY, Vojtech - GMUCOVÁ, Katarína - VÉGSO, Karol - TKÁČOVÁ, M. - CHLPIK, J. Electronic structure mapping of branching states in poly[(phenyl)silane] upon exposure to UV radiation. In *Journal of the Korean Physical Society*, 2016, vol. 68,

no. 4, p. 563-568. (2015: 0.445 - IF, Q4 - JCR, 0.236 - SJR, Q3 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0374-4884. Dostupné na: <https://doi.org/10.3938/jkps.68.563>

Ohlasy:

1. [1.1] OSTAPENKO, N. I. - KERITA, O. A. - OSTAPENKO, Yu. V. Thermoluminescence of the Films, Nanocomposites, and Solutions of the Silicon Organic Polymer Poly(di-n-hexyl silane). In JOURNAL OF APPLIED SPECTROSCOPY. ISSN 0021-9037, 2018, vol. 85, no. 1, pp. 37-41., Registrované v: WOS

ADCA1063 SCHAUER, F. - NÁDAŽDY, Vojtech - GMUCOVÁ, Katarína - WEIS, Martin Jr. - KURITKA, I. - ROHOVEC, J. - TOUŠEK, J. - TOUŠKOVÁ, J. - LÁNYI, Štefan. Charge transient, electrochemical and impedance measurements as tools for characterization of nano-heterostructural organic/inorganic semiconductors. In *Nanoscience and Nanotechnology Letters*, 2013, vol. 5, no. 4, p. 439-443. (2012: 0.886 - IF, Q3 - JCR, 0.326 - SJR, Current Contents - CCC). (2013 - Current Contents). ISSN 1941-4900. Dostupné na: <https://doi.org/10.1166/nnl.2013.1553>

Ohlasy:

1. [1.1] YOSHIMURA, Aya - NOMOTO, Akihiro - UCHIDA, Mari - KUSANO, Hiroki - SAEKI, Tomokazu - OGAWA, Akiya. Highly selective photoinduced perfluoroalkylation of vinylsilanes and its application to synthesis of water-shedding polysilanes. In RESEARCH ON CHEMICAL INTERMEDIATES. ISSN 0922-6168, 2017, vol. 43, no. 6, pp. 3433-3443., Registrované v: WOS

ADCA1064 SCHUTZ, Y. - MARTINEZ, G. - MARIN, A. - MATULEWICZ, T. - OSTENDORF, R.W. - BOZEK, P. - DELAGRANGE, H. - DIAZ, J. - FRANKE, M. - GUDIMA, K.K. - HLAVÁČ, Stanislav - HOLZMANN, R. - LAUTRIDOU, P. - LEFEVRE, F. - LOHNER, H. - MITTIG, W. - PLOSZCZAK, M. - VANPOL, J.H.G. - QUEBERT, J. - ROUSSELCHOMAZ, P. - SCHUBERT, A. - SIEMSEN, R.H. - SIMON, R.S. - SUJKOWSKI, Z. - TONEEV, V.D. - WAGNER, V. - WILSCHUT, A. - WOLF, G. Hard photons and neutral pions as probes of hot and dense nuclear matter. In *Nuclear Physics A*, 1997, vol. 622, no. 3, p. 404-477. ISSN 0375-9474.

Ohlasy:

1. [1.1] KAFEXHIU, Ervin. Parametrization of the nucleus-nucleus gamma-ray production cross sections below 100 GeV/nucleon: Subthreshold pions and hard photons. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 6, 064603., Registrované v: WOS
2. [1.1] LI, Bao-An - CAI, Bao-Jun - CHEN, Lie-Wen - XU, Jun. Nucleon effective masses in neutron-rich matter. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2018, vol. 99, pp. 29-119., Registrované v: WOS
3. [1.1] SANTONOCITO, Domenico - BLUMENFELD, Yorick. The hot GDR revisited. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2020, vol. 56, no. 11, 279., Registrované v: WOS
4. [1.1] SANTONOCITO, D. - BLUMENFELD, Y. - MAIOLINO, C. - AGODI, C. - ALBA, R. - BELLIA, G. - CONIGLIONE, R. - DEL ZOPPO, A. - HONGMEI, F. - MIGNECO, E. - PIATTELLI, P. - SAPIENZA, P. - AUDITORE, L. - CARDELLA, G. - DE FILIPPO, E. - LA GUIDARA, E. -

- MONROZEAU, C. - PAPA, M. - PIRRONE, S. - RIZZO, F. - TRIFIRO, A. - TRIMARCHI, M. - HUANG, H. X. - WIELAND, O. Mapping the demise of collective motion in nuclei at high excitation energy. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 782, pp. 427-432., Registrované v: WOS
5. [1.1] SANTONOCITO, D. - BLUMENFELD, Y. - MAIOLINO, C. - ALBA, R. - BELLIA, G. - CONIGLIONE, R. - DEL ZOPPO, A. - MIGNECO, E. - PIATTELLI, P. - SAPIENZA, P. - AUDITORE, L. - CARDELLA, G. - DE FILIPPO, E. - LA GUIDARA, E. - MONROZEAU, C. - PAPA, M. - PIRRONE, S. - RIZZO, F. - TRIFIRO, A. - TRIMARCHI, M. - HUANG, H. X. - WIELAND, O. MAPPING THE GDR QUENCHING IN NUCLEI OF MASS $A = 120-132$. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2019, vol. 50, no. 3, pp. 451-460., Registrované v: WOS
6. [1.1] SHI, C. Z. - MA, Y. G. - CAO, X. G. - FANG, D. Q. - HE, W. B. - ZHONG, C. Direct photon emission and influence of dynamical wave packets in an extended quantum molecular dynamics model. In PHYSICAL REVIEW C. ISSN 0556-2813, 2020, vol. 102, no. 1, 014601., Registrované v: WOS
7. [1.1] WANG, S. S. - MA, Y. G. - CAO, X. G. - FANG, D. Q. - MA, C. W. Azimuthal anisotropy and multiplicities of hard photons and free nucleons in intermediate-energy heavy-ion collisions. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2020, vol. 56, no. 10, 254., Registrované v: WOS
8. [1.1] WEI, Gao-Feng. Probing the neutron-skin thickness by photon production from reactions induced by intermediate-energy protons. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 92, no. 1, 014614., Registrované v: WOS
9. [1.1] XUE, Hui - XU, Chang - YONG, Gao-Chan - REN, Zhongzhou. Neutron-proton bremsstrahlung as a possible probe of high-momentum component in nucleon momentum distribution. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 755, pp. 486-490., Registrované v: WOS
10. [1.1] YONG, Gao-Chan - LI, Bao-An. Interplay of short-range correlations and nuclear symmetry energy in hard-photon production from heavy-ion reactions at Fermi energies. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 96, no. 6, 064614., Registrované v: WOS
11. [1.1] YONG, Gao-Chan. Constraining nucleon high momentum in nuclei. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 765, pp. 104-108., Registrované v: WOS
12. [1.1] ZHANG, Fan - LI, Cheng - WEN, Pei-Wei - LIU, Jian-Wei - SU, Jun - ZHANG, Feng-Shou. Time dependence of the thermal-photon thermometer. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 2, 024603., Registrované v: WOS

ADCA1065 SCHWALB, O. - BERG, F.-D. - PFEIFFER, M. - FRANKE, M. - KUHN, W. - METAG, V. - NOTHEISEN, M. - NOVOTNY, R. - RITMAN, J. - ROBIG, M.-E. - ALARAD, J.P. - BASTID, N. - BRUMMUND, N. - DUPIEUX, P. - GOBBI, A. - HERRMANN, R. - HILDENBRAND, K.D. - HLAVÁČ, Stanislav - JEONG, S.C. - LOHNER, H. - MONTAROU, G. - NEUBERT, W. - RASCHKE, A. - SIMON, R.S. - SODAN, U. - SUMBERA, M. - TEH, K. - VEBNEMA, L. - WILSCHUT, H. - WESSELS, J.P. - WIENOLD, T. - WOHLFAHRT, D. Mass dependence of pi production in heavy ion collisions at 1 A GeV. In *Physics Letters*

B, 1994, vol. 321, no. 1-2, p. 20-25. (1993: 3.079 - IF, Current Contents - CCC). (1994 - Current Contents, SCOPUS). ISSN 0370-2693.

Ohlasy:

1. [1.1] KAFEXHIU, Ervin. Parametrization of the nucleus-nucleus gamma-ray production cross sections below 100 GeV/nucleon: Subthreshold pions and hard photons. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 6, pp., Registrované v: WOS

ADCA1066 SCHWEITZER, L. - MARKOŠ, Peter. Universal conductance and conductivity at critical points in integer quantum Hall systems. In *Physical Review Letters*, 2005, vol. 95, no. 25, 256805. (2004: 7.218 - IF, Current Contents - CCC). (2005 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.95.256805>

Ohlasy:

1. [1.1] IVAKI, Moein N. - ISAC, Sahlberg - OJANEN, Teemu. Criticality in amorphous topological matter: Beyond the universal scaling paradigm. In PHYSICAL REVIEW RESEARCH, 2020, vol. 2, no. 4, 043301., Registrované v: WOS
2. [1.1] SBIERSKI, Bjorn - KARCHER, Jonas F. - FOSTER, Matthew S. Spectrum-Wide Quantum Criticality at the Surface of Class AIII Topological Phases: An "Energy Stack" of Integer Quantum Hall Plateau Transitions. In PHYSICAL REVIEW X. ISSN 2160-3308, 2020, vol. 10, no. 2, 021025., Registrované v: WOS
3. [1.1] ZHENG, Chao - YANG, Kun - WAN, Xin. Thouless conductances of a three-dimensional quantum Hall system. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 102, no. 6, 064208., Registrované v: WOS

ADCA1067 SIDOROV, V.** - PETROVA, S. - ŠVEC, Peter - ŠVEC, Peter Jr. - JANIČKOVIČ, Dušan - PALITSINA, A. Crystallization of Al-Co-Dy(Ho) amorphous alloys. In *European Physical Journal : Special Topics*, 2017, vol. 226, no. 5, p. 1107-1113. (2016: 1.862 - IF, Q2 - JCR, 0.581 - SJR, Q2 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 1951-6355. Dostupné na: <https://doi.org/10.1140/epjst/e2016-60226-x>

Ohlasy:

1. [1.1] RIETVELD, Ivo B. Phase equilibria and their applications. In EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS. ISSN 1951-6355, 2017, vol. 226, no. 5, pp. 817-822., Registrované v: WOS

ADCA1068 SIDOROV, V. - ŠVEC, Peter Jr. - ŠVEC, Peter - JANIČKOVIČ, Dušan - MIKHAILOV, V. - SIDOROVA, E. - SON, L. Electric and magnetic properties of Al₈₆Ni₈R₆ (R=Sm, Gd, Ho) alloys in liquid and amorphous states. In *Journal of Magnetism and Magnetic Materials*, 2016, vol. 408, p. 35-40. (2015: 2.357 - IF, Q2 - JCR, 0.730 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 0304-8853. Dostupné na: <https://doi.org/10.1016/j.jmmm.2016.02.021>

Ohlasy:

1. [1.1] CUEVAS, F. G. - LOZANO-PEREZ, S. - ARANDA, R. M. - CABALLERO, E. S. Crystallisation of amorphous Al-Sm-Ni-(Cu) alloys. In INTERMETALLICS. ISSN 0966-9795, 2019, vol. 112, UNSP 106537.,

Registrované v: WOS

2. [1.1] DUAN, Xiu-Li - SUN, Ji-Bing - WANG, Li-Zhu - GUO, Kai - CUI, Chun-Xiang. Structure and magnetic properties of Sm₁₅Co_{70-x}Fe₁₀B₅Al_x ribbons. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2019, vol. 489, 165450., Registrované v: WOS

3. [1.1] KERLI, S. - ALVER, U. - GÖGEBAKAN, M. Investigation of The Effect of Annealing on Resistivity in Aluminum-based Amorphous Alloys. In PHYSICS AND CHEMISTRY OF SOLID STATE. ISSN 1729-4428, 2019, vol. 20, no. 4, pp. 391-395., Registrované v: WOS

4. [1.1] OHNO, Satoru - SHIMAKURA, Hironori - TAHARA, Shuta - OKADA, Tatsuya. Magnetic Properties of Liquid Gd-TM (TM = Mn, Fe, Co, Ni) Alloys. In JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN. ISSN 0031-9015, 2016, vol. 85, no. 12, 124715., Registrované v: WOS

5. [1.1] TURALSKA, P. - HOMA, M. - BRUZDA, G. - SOBCZAK, N. - KABAN, I. - MATTERN, N. - ECKERT, J. WETTING BEHAVIOR AND REACTIVITY BETWEEN LIQUID Gd AND ZrO₂ SUBSTRATE. In JOURNAL OF MINING AND METALLURGY SECTION B-METALLURGY. ISSN 1450-5339, 2017, vol. 53, no. 3, pp. 285-293., Registrované v: WOS

6. [1.1] UPOROV, S. - BYKOV, V. - ESTEMIROVA, S. - MELCHAKOV, S. - RYLTSEV, R. Electronic transport in equiatomic CuZrNiTi alloy. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2019, vol. 770, pp. 1164-1172., Registrované v: WOS

ADCA1069 SIDOROV, V. - ŠVEC, Peter - JANIČKOVIČ, Dušan - MIKHAILOV, V. - SON, L. Magnetic properties and crystallization behavior of Al-Co-Ce(Dy) amorphous ribbons. In *Journal of Magnetism and Magnetic Materials*, 2015, vol. 395, p. 324-328. (2014: 1.970 - IF, Q2 - JCR, 0.815 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 0304-8853. Dostupné na: <https://doi.org/10.1016/j.jmmm.2015.07.072>

Ohlasy:

1. [1.1] DE OLIVEIRA, Leandro Antonio - LOPES DE OLIVEIRA, Mara Cristina - RIOS, Carlos Triveno - ANTUNES, Renato Altobelli. Corrosion of Al₈₅Ni₉Ce₆ amorphous alloy in the first hours of immersion in 3.5-wt% NaCl solution: The role of surface chemistry. In SURFACE AND INTERFACE ANALYSIS. ISSN 0142-2421, 2020, vol. 52, no. 1-2, pp. 50-62., Registrované v: WOS

2. [1.1] FABIAN, F. A. - MOURA, K. O. - BARBOSA, C. C. S. - PEIXOTO, E. B. - GARCIA, F. - DUQUE, J. G. S. - MENESES, C. T. Structural and magnetic phase transition observed in the YCrO₃+gamma compound. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2017, vol. 702, pp. 244-248., Registrované v: WOS

3. [1.1] LV, Zheng - MAO, Changhui - WANG, Jian - LIANG, Qiushi - MA, Shuwang - YANG, Zhimin - YANG, Jian - LI, Yang. Interfacial Microstructure in W/2024Al Composite and Inhibition of W-Al Direct Reaction by CeO₂ Doping: Formation and Crystallization of Al-Ce-Cu-W Amorphous Layers. In MATERIALS. ISSN 1996-1944, 2019, vol. 12, no. 7, 1117., Registrované v: WOS

4. [1.1] SHEN, Y. - PEREPEZKO, J. H. Al-based amorphous alloys: Glass-forming ability, crystallization behavior and effects of minor alloying

additions. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2017, vol. 707, pp. 3-11., Registrované v: WOS

ADCA1070 SIDOROV, V. - HOŠKO, Jozef - MIKHAILOV, V. - ROZKOV, I. - UPOROVA, N. - ŠVEC, Peter Jr. - JANIČKOVIČ, Dušan - MAŤKO, Igor - ŠVEC, Peter - MALYSHEV, L. Magnetic susceptibility of CoFeBSiNb alloys in liquid state. In *Journal of Magnetism and Magnetic Materials*, 2014, vol. 354, p. 35-38. (2013: 2.002 - IF, Q2 - JCR, 0.807 - SJR, Q2 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 0304-8853. Dostupné na: <https://doi.org/10.1016/j.jmmm.2013.10.038>

Ohlasy:

1. [1.1] SHEN, T. D. - XIN, S. W. - SUN, B. R. Low power loss in Fe_{65.5}Cr₄Mo₄Ga₄P₁₂B_{5.5}C₅ bulk metallic glasses. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2016, vol. 658, no., pp. 703-708., Registrované v: WOS
2. [1.1] SRIVASTAVA, A. P. - DAS, N. - SHARMA, S. K. - SINHA, A. K. - SRIVASTAVA, D. - PUJARI, P. K. - DEY, G. K. Investigation of medium range order and glass forming ability of metallic glass Co₆₉Fe_xSi_{21-x}B₁₀ (x=3, 5, and 7). In JOURNAL OF PHYSICS D-APPLIED PHYSICS. ISSN 0022-3727, 2016, vol. 49, no. 22, 225303., Registrované v: WOS
3. [1.1] SUN, B. R. - XIN, S. W. - SHEN, T. D. Low-temperature magnetization and magnetic exchange interactions in Fe₄₀Ni₄₀P₁₄B₆ bulk metallic glasses. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2017, vol. 429, pp. 276-280., Registrované v: WOS

ADCA1071 SILVEYRA, J. M. - ILLEKOVÁ, Emília - COISSON, M. - CELEGATO, F. - VINAI, F. - TIBERTO, P. - MOYA, J. A. - CREMASCHI, V. J. High performance of low cost soft magnetic materials. In *Bulletin of Materials Science*, 2011, vol. 34, no. 7, pp. 1407-1413. (2010: 0.944 - IF, Q3 - JCR, 0.495 - SJR, Q2 - SJR, Current Contents - CCC). (2011 - Current Contents). ISSN 0250-4707. Dostupné na: <https://doi.org/10.1007/s12034-011-0336-5>

Ohlasy:

1. [1.1] MASOOD, Ansar - BAGHBADERANI, Hasan Ahmadian - STROM, Valter - STAMENOV, Plamen - MCCLOSKEY, Paul - MATHUNA, Cian O. - KULKARNI, Santosh. Fabrication and soft magnetic properties of rapidly quenched Co-Fe-B-Si-Nb ultra-thin amorphous ribbons. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2019, vol. 483, pp. 54-58., Registrované v: WOS
2. [1.1] MA, Rui - YU, Kaiping - LIU, Litao - JIANG, Heng - YE, Shulong - YU, Peng. Effects of Fe₃P Addition on Sintering Behaviors and Magnetic Properties of Fe-P Alloys Sintered at Low Temperatures. In METALS. ISSN 2075-4701, 2019, vol. 9, no. 3, 321., Registrované v: WOS

ADCA1072 SILVEYRA, J.M. - VLASÁK, Gabriel - ŠVEC, Peter - JANIČKOVIČ, Dušan - CREMASCHI, V.J. Domain imaging in FINEMET ribbons. In *Journal of Magnetism and Magnetic Materials*, 2010, vol. 322, no. 18, p. 2797-2800. (2009: 1.204 - IF, Q2 - JCR, 0.844 - SJR, Q2 - SJR, Current Contents - CCC). (2010 -

Current Contents, WOS, SCOPUS). ISSN 0304-8853. Dostupné na:
<https://doi.org/10.1016/j.jmmm.2010.04.030>

Ohlasy:

1. [1.1] ROSALES-RIVERA, A. - GONZALEZ-SANCHEZ, R. - HERNANDEZ-PARRA, J. C. - VELASQUEZ-SALAZAR, A. - SACCONI, F. D. Shifting from Ising model to Heisenberg model critical behavior and the departure from these models in Fe_{73.5}-xCrxCu₁Nb₃Si_{13.5}B₉. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2019, vol. 482, pp. 251-261., Registrované v: WOS

ADCA1073 SILVEYRA, J.M. - ILLEKOVÁ, Emília. Effects of air annealing on Fe-Si-B-M-Cu (M=Nb, Mo) alloys. In *Journal of Alloys and Compounds*, 2014, vol. 610, p. 180-183. (2013: 2.726 - IF, Q1 - JCR, 1.064 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 0925-8388. Dostupné na: <https://doi.org/10.1016/j.jallcom.2014.04.147>

Ohlasy:

1. [1.1] BUTVINOVA, B. - BUTVIN, P. - KUZMINSKI, M. - SLAWSKA-WANIEWSKA, A. - MATYSZAK, KO, I. - SVEC, P. - SVEC, P. - KADLECIKOVA, M. - HUBENAK, M. - JANICKOVIC, D. Effects of grain growth blocking in annealed metalloid-poor Fe-M-Cu-B-Si ribbons (M = Nb, Mo, V). In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2015, vol. 648, pp. 527., Registrované v: WOS
2. [1.1] CONTERI, R. - BORKAR, T. - NAG, S. - et al. Laser additive processing of Fe-Si-B-Cu-Nb magnetic alloys. In JOURNAL OF MANUFACTURING PROCESSES. ISSN 1526-6125, 2017, vol. 29, pp. 175-181., Registrované v: WOS
3. [1.1] FEIZABAD, Mohammad Hossein Khazaei - KHAYATI, Gholam Reza - SHARAFI, Shahriar - RANJBAR, Mohammad. Improvement of soft magnetic properties of Fe_{0.7}Nb_{0.1}Zr_{0.1}Ti_{0.1} amorphous alloy: A kinetic study approach. In JOURNAL OF NON-CRYSTALLINE SOLIDS. ISSN 0022-3093, 2018, vol. 493, pp. 11-19., Registrované v: WOS
4. [1.1] KATAEV, V. A. - STARODUBTSEV, Y. N. - MIKHALITSYNA, E. A. - et al. Magnetic properties and induced anisotropy of nanocrystalline Fe_{72.5}-x Ni (x) Cu_{1.1}Nb_{1.9}Mo_{1.5}Si_{14.3}B_{8.7} alloys. In PHYSICS OF METALS AND METALLOGRAPHY. ISSN 0031-918X, 2017, vol. 118, no. 6, pp. 558-563., Registrované v: WOS
5. [1.1] LI, Li-juan - WANG, Zhi - HAN, Ye. Effect of Mo addition on high-temperature soft magnetic properties for air annealed FeCo-based nanocrystalline alloys. In MATERIALS LETTERS. ISSN 0167-577X, 2016, vol. 185, pp. 235-238., Registrované v: WOS
6. [1.1] MIKHALITSYNA, E. A. - KATAEV, V. A. - LARRANAGA, A. - LEPALOVSKIY, V. N. - TURYGIN, A. P. Microstructure and magnetic properties of Fe_{72.5}Si_{14.2}B_{8.7}Nb₂Mo_{1.5}Cu_{1.1} thin films. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2016, vol. 415, pp. 61-65., Registrované v: WOS
7. [1.1] PANG, J. - QIU, K. - WANG, CH. - et al. Oxidation and refreshing behaviors of P-containing Fe-based amorphous ribbons. In JOURNAL OF NON-CRYSTALLINE SOLIDS. ISSN 0022-3093, 2017, vol. 471, pp. 137-141., Registrované v: WOS
8. [1.1] WANG, G. T. - ZHOU, L. - ZHENG, L. B. - YANG, Y. Z.

Crystallization Phases and Crystallization Saturation Magnetization Under Different Annealing Ways in Fe-Rich Fe-B/SiBP-Cu-Hf Alloys. In IEEE TRANSACTIONS ON MAGNETICS. ISSN 0018-9464, 2018, vol. 54, no. 12, 2003105., Registrované v: WOS

9. [1.1] WAN, F. - LIU, T. - KONG, F. - et al. Surface crystallization and magnetic properties of FeCuSiBNbMo melt-spun nanocrystalline alloys. In MATERIALS RESEARCH BULLETIN. ISSN 0025-5408, 2017, vol. 96, SI, pp. 275-280., Registrované v: WOS

10. [1.1] XIAO, Huiyun - DONG, Yaqiang - HE, Aina - SUN, Hao - WANG, Anding - LI, Hu - LIU, Lei - LIU, Xincan - LI, Run-wei. Magnetic softness and magnetization dynamics of FeSiBNbCu(P,Mo) nanocrystalline alloys with good high-frequency characterization. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2019, vol. 478, pp. 192-197., Registrované v: WOS

11. [1.1] YANG, Xiaoshan - CUI, Xiufang - JIN, Guo - LIU, Jinna - CHEN, Yanbo - LIU, Zhe. Soft magnetic property of (Fe₆₀Co₃₅Ni₅)(78)Si₆B₁₂Cu₁Mo₃ alloys by laser additive manufacturing. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2018, vol. 466, pp. 75-80., Registrované v: WOS

12. [1.1] YU, Wanqiu - LU, Liping - HUA, Zhong. Effects of Co content on microstructure and magnetic property of Fe_{81-x}Co_xZr₇Mo₂B₉M₁ (M=Ge/Cu) alloys. In PHYSICS LETTERS A. ISSN 0375-9601, 2020, vol. 384, no. 5, 126116., Registrované v: WOS

13. [1.1] ZHOU, L. - WANG, G. T. - ZHENG, L. B. - YANG, Y. Z. The Effect of Hf Substituting for Cu on the Glass-Forming Ability, Crystallization Behavior, and Saturation Magnetization in Fe₈₅Si₂B₈P₄Cu_{1-x}Hf_x Alloys. In JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM. ISSN 1557-1939, 2018, vol. 31, no. 12, pp. 3959-3964., Registrované v: WOS

14. [1.1] ZHOU, L. - WANG, G. T. - YUAN, H. - YANG, Y. Z. Effect of Hf addition on the glass forming ability, thermal and magnetic properties in the (Fe₈₆B₁₃Cu₁)(100-x)Hf_x alloys. In JOURNAL OF NON-CRYSTALLINE SOLIDS. ISSN 0022-3093, 2018, vol. 501, pp. 167-172., Registrované v: WOS

15. [1.1] ZHOU, L. - WANG, G. T. - ZHENG, L. B. - YANG, Y. Z. Effects on Glass Forming Ability, Microstructure, Crystallization Behaviors, and Magnetic Properties of Si Substituting for P in Fe-Rich Fe₈₆B_{13-x}Si_xP₁Cu_{0.6}Hf_{0.4} Alloys. In JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM. ISSN 1557-1939, 2019, vol. 32, no. 2, pp. 431-439., Registrované v: WOS

ADCA1074 SILVEYRA, J.M. - CREMASCHI, V.J. - VLASÁK, Gabriel - ILLEKOVÁ, Emília - JANIČKOVIČ, Dušan - ŠVEC, Peter. Magnetostrictive behaviour of Fe_{73.5}Si_{13.5}BgNb_{3-x}MoxCu₁ alloys. In *Journal of Magnetism and Magnetic Materials*, 2010, vol. 322, no. 16, p. 2350-2354. (2009: 1.204 - IF, Q2 - JCR, 0.844 - SJR, Q2 - SJR, Current Contents - CCC). (2010 - Current Contents, WOS, SCOPUS). ISSN 0304-8853. Dostupné na: <https://doi.org/10.1016/j.jmmm.2010.02.036>

Ohlasy:

1. [1.1] GHEIRATMAND, T. Finement nanocrystalline soft magnetic alloy. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, vol. 408, 2016, p. 177-192., Registrované v: WOS

2. [1.1] JIANG, Dehui - ZHOU, Bingwen - JIANG, Boyu - YA, Bin - ZHANG, Xingguo. Study on soft magnetic properties of Finemet-type nanocrystalline alloys with Mo substituting for Nb. In *PHYSICA STATUS SOLIDI A-APPLICATIONS AND MATERIALS SCIENCE*. ISSN 1862-6300, 2017, vol. 214, no. 10, 1700074., Registrované v: WOS
3. [1.1] MANNA, Subhendu Kumar - SRINIVAS, V. AC magnetic and magnetoimpedance properties of CoFe(NbMnNi)BSi amorphous ribbons. In *JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS*. ISSN 0304-8853, 2018, vol. 449, pp. 467-474., Registrované v: WOS
4. [1.1] XIAO, Huiyun - WANG, Anding - ZHAO, Chengliang - HE, Aina - ZHANG, Guoyang - LI, Hu - LI, Run-wei - LIU, Xincui. Industrialization of a FeSiBNbCu nanocrystalline alloy with high B-s of 1.39T and outstanding soft magnetic properties. In *JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS*. ISSN 0957-4522, 2018, vol. 29, no. 22, pp. 19517-19523., Registrované v: WOS

ADCA1075 SILVEYRA, J.M. - ILLEKOVÁ, Emília - ŠVEC, Peter - JANIČKOVIČ, Dušan - ROSALES-RIVERA, A. - CREMASCHI, V.J. Phase transformations in Mo-doped FINEMETs. In *Physica B*, 2010, vol. 405, no. 12, p. 2720-2725. (2009: 1.056 - IF, Q3 - JCR, 0.608 - SJR, Q2 - SJR, Current Contents - CCC). (2010 - Current Contents). ISSN 0921-4526. Dostupné na: <https://doi.org/10.1016/j.physb.2010.03.061>

Ohlasy:

1. [1.1] GHEIRATMAND, T. - HOSSEINI, H. R. Madaah. Finemet nanocrystalline soft magnetic alloy: Investigation of glass forming ability, crystallization mechanism, production techniques, magnetic softness and the effect of replacing the main constituents by other elements. In *JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS*. ISSN 0304-8853, 2016, vol. 408, pp. 177-192., Registrované v: WOS
2. [1.1] LUO TING - YANG YUANZHENG - FAN CHENFENG - XIE ZHIWEI - XU JIA - WANG GUOTAI. Crystallization behavior and magnetic properties for the Fe-73(Si0.64B0.27P0.09)(23+x)Cu1Nb3-x (x=0, 1 and 2) alloys. In *PHYSICA B-CONDENSED MATTER*. ISSN 0921-4526, 2019, vol. 557, pp. 99-102., Registrované v: WOS
3. [1.1] MIKHALITSYNA, Evgeniya A. - KATAEV, Vasiliy A. - LARRANAGA, Aitor - LEPALOVSKIJ, Vladimir N. - KURLYANDSKAYA, Galina V. Nanocrystallization in FINEMET-Type Fe73.5Nb3Cu1Si13.5B9 and Fe72.5Nb1.5Mo2Cu1.1Si14.2B8.7 Thin Films. In *MATERIALS*, 2020, vol. 13, no. 2, 348., Registrované v: WOS
4. [1.1] MIKHALITSYNA, E. A. - KATAEV, V. A. - LEPALOVSKIJ, V. N. - LARRANAGA, A. - VOLEGOV, A. S. Heat Treatment Effect on Magnetic Properties of Finemet-Type Films. In *IV SINO-RUSSIAN ASRTU SYMPOSIUM ON ADVANCED MATERIALS AND PROCESSING TECHNOLOGY*. ISSN 2519-1438, 2016, vol. 2016, pp. 109-114., Registrované v: WOS
5. [1.1] TSEPELEV, V. S. - STARODUBTSEV, Yu. N. - ZELLENIN, V. A. - et al. Dilatometric analysis of the process of the nanocrystallization of Fe72.5Cu1Nb2Mo1.5Si14B9 soft magnetic alloy. In *PHYSICS OF METALS AND METALLOGRAPHY*. ISSN 0031-918X, 2017, vol. 118, no. 6, pp. 553-557., Registrované v: WOS

6. [1.1] TSEPELEV, V. S. - STARODUBTSEV, Yu N. - WU, K. M. Influence of Ni on crystallization and magnetic properties of Fe_{72.5-x}Ni_xCu₁Nb₂Mo_{1.5}Si₁₄B₉ alloys. In JOURNAL OF CRYSTAL GROWTH. ISSN 0022-0248, 2019, vol. 528, UNSP 125256., Registrované v: WOS
7. [1.1] TSEPELEV, V. - STARODUBTSEV, Yu. - KONASHKOV, V. - et al. Thermomagnetic analysis of soft magnetic nanocrystalline alloys. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2017, vol. 707, pp. 210-213., Registrované v: WOS
8. [1.1] WAN, Fangpei - LIU, Tao - KONG, Fengyu - et al. Surface crystallization and magnetic properties of FeCuSiBNbMo melt-spun nanocrystalline alloys. In MATERIALS RESEARCH BULLETIN. ISSN 0025-5408, 2017, vol. 96, SI, pp. 275-280., Registrované v: WOS
9. [1.1] XIAO, Huiyun - WANG, Anding - LI, Jiawei - HE, Aina - LIU, Tao - DONG, Yaqiang - GUO, Hai - LIU, Xincan. Structural evolutionary process and interrelation for FeSiBNbCuMo nanocrystalline alloy. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2020, vol. 821, 153487., Registrované v: WOS
10. [1.1] YOUSEFI, M. - RAHMANI, Kh. - KERAHROODI, M. S. Amiri. Comparison of microstructure and magnetic properties of 3% Si-steel, amorphous and nanostructure Finemet. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2016, vol. 420, pp. 204-209., Registrované v: WOS

ADCA1076 SILVEYRA, J.M. - CREMASCHI, V.J. - JANIČKOVIČ, Dušan - ŠVEC, Peter - ARCONDO, B. Structural and magnetic study of Mo-doped FINEMET. In *Journal of Magnetism and Magnetic Materials*, 2011, vol. 323, no. 3-4, p. 290-296. (2010: 1.690 - IF, Q2 - JCR, 0.936 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 0304-8853. Dostupné na: <https://doi.org/10.1016/j.jmmm.2010.09.019>

Ohlasy:

1. [1.1] CAO, C. C. - WANG, Y. G. - ZHU, L. - MENG, Y. - ZHAI, X. B. - DAI, Y. D. - CHEN, J. K. - PAN, F. M. Local structure, nucleation sites and crystallization behavior and their effects on magnetic properties of Fe₈₁Si_xB₁₀P_{8-x}Cu₁ (x=0 similar to 8). In SCIENTIFIC REPORTS. ISSN 2045-2322, 2018, vol. 8, 1243., Registrované v: WOS
2. [1.1] FEIZABAD, Mohammad Hossein Khazaei - KHAYATI, Gholam Reza - SHARAFI, Shahriar - RANJBAR, Mohammad. Improvement of soft magnetic properties of Fe_{0.7}Nb_{0.1}Zr_{0.1}Ti_{0.1} amorphous alloy: A kinetic study approach. In JOURNAL OF NON-CRYSTALLINE SOLIDS. ISSN 0022-3093, 2018, vol. 493, pp. 11-19., Registrované v: WOS
3. [1.1] GHEIRATMAND, T. - HOSSEINI, H. R. Madaah - DAVAMI, P. - GJOKA, M. - SONG, M. The effect of mechanical milling on the soft magnetic properties of amorphous FINEMET alloy. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2015, vol. 381, pp. 322-327., Registrované v: WOS
4. [1.1] GHEIRATMAND, T. - HOSSEINI, H. R. Madaah. Finemet nanocrystalline soft magnetic alloy: Investigation of glass forming ability, crystallization mechanism, production techniques, magnetic softness and the effect of replacing the main constituents by other elements. In JOURNAL OF

- MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2016, vol. 408, pp. 177-192., Registrované v: WOS
5. [1.1] MIKHALITSYNA, Evgeniya A. - KATAEV, Vasiliy A. - LARRANAGA, Aitor - LEPALOVSKIY, Vladimir N. - KURLYANDSKAYA, Galina V. Nanocrystallization in FINEMET-Type Fe_{73.5}Nb₃Cu₁Si_{13.5}B₉ and Fe_{72.5}Nb_{1.5}Mo₂Cu_{1.1}Si_{14.2}B_{8.7} Thin Films. In MATERIALS, 2020, vol. 13, no. 2, 348., Registrované v: WOS
6. [1.1] MIKHALITSYNA, E. A. - KATAEV, V. A. - LARRANAGA, A. - LEPALOVSKIY, V. N. - TURYGIN, A. P. Microstructure and magnetic properties of Fe_{72.5}Si_{14.2}B_{8.7}Nb₂Mo_{1.5}Cu_{1.1} thin films. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2016, vol. 415, pp. 61-65., Registrované v: WOS
7. [1.1] OSHTRAKH, M. I. - KLENCSAR, Z. - SEMIONKIN, V. A. - KUZMANN, E. - HOMONNAY, Z. - VARGA, L. K. Annealed FINEMET ribbons: Structure and magnetic anisotropy as revealed by the high velocity resolution Mossbauer spectroscopy. In MATERIALS CHEMISTRY AND PHYSICS. ISSN 0254-0584, 2016, vol. 180, pp. 66-74., Registrované v: WOS
8. [1.1] TSEPELEV, V. S. - STARODUBTSEV, Yu N. - WU, K. M. Influence of Ni on crystallization and magnetic properties of Fe_{72.5-x}Ni_xCu₁Nb₂Mo_{1.5}Si₁₄B₉ alloys. In JOURNAL OF CRYSTAL GROWTH. ISSN 0022-0248, 2019, vol. 528, UNSP 125256., Registrované v: WOS

ADCA1077 SILVEYRA, J.M. - MOYA, J.A. - CREMASCHI, V.J. - JANIČKOVIČ, Dušan - ŠVEC, Peter. Structure and soft magnetic properties of FINEMET type alloys: Fe_{73.5}Si_{13.5}Nb_{3-x}Mo_xB₉Cu₁ (x=1.5, 2). In *Hyperfine Interactions*, 2009, vol. 195, no. 1-3, p. 173-177. (2008: 0.340 - SJR, Q3 - SJR, Current Contents - CCC). (2009 - Current Contents, SCOPUS). ISSN 0304-3843. Dostupné na: <https://doi.org/10.1007/s10751-009-0116-4>

Ohlasy:

1. [1.1] LUO TING - YANG YUANZHENG - FAN CHENFENG - XIE ZHIWEI - XU JIA - WANG GUOTAI. Crystallization behavior and magnetic properties for the Fe-73(Si_{0.64}B_{0.27}P_{0.09})(23+x)Cu₁Nb_{3-x} (x=0, 1 and 2) alloys. In PHYSICA B-CONDENSED MATTER. ISSN 0921-4526, 2019, vol. 557, pp. 99-102., Registrované v: WOS

ADCA1078 SIMON, C. - BUŽEK, Vladimír - GISIN, N. No-signaling condition and quantum dynamics. In *Physical Review Letters*, 2001, vol. 87, no. 17, 170405. (2000: 6.462 - IF, Current Contents - CCC). (2001 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.87.170405>

Ohlasy:

1. [1.1] BAE, Joonwoo - KWEK, Leong-Chuan. Quantum state discrimination and its applications. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2015, vol. 48, no. 8, 083001., Registrované v: WOS
2. [1.1] BUDIYONO, Agung - DIPOJONO, Hermawan K. Nonlinear Schrodinger equations and generalized Heisenberg uncertainty principle from estimation schemes violating the principle of estimation independence. In PHYSICAL REVIEW A. ISSN 1050-2947, 2020, vol. 102, no. 1, 012205.,

Registrowané v: WOS

3. [1.1] BUDIYONO, Agung. Estimation independence as an axiom for quantum uncertainty. In PHYSICAL REVIEW A. ISSN 2469-9926, 2020, vol. 101, no. 2, 022102., Registrowané v: WOS
4. [1.1] CUESTA, Javier - WOLF, Michael M. Are almost-symmetries almost linear? In JOURNAL OF MATHEMATICAL PHYSICS. ISSN 0022-2488, 2019, vol. 60, no. 8, 082101., Registrowané v: WOS
5. [1.1] GESZTI, Tamas. Nonlinear unitary quantum collapse model with self-generated noise. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2018, vol. 51, no. 17, 175308., Registrowané v: WOS
6. [1.1] HELOU, Bassam - CHEN, Yanbei. Extensions of Born's rule to non-linear quantum mechanics, some of which do not imply superluminal communication. In 8TH INTERNATIONAL WORKSHOP DICE2016: SPACETIME MATTER QUANTUM MECHANICS. ISSN 1742-6588, 2017, vol. 880, 012021., Registrowané v: WOS
7. [1.1] HELOU, Bassam - LUO, Jun - YEH, Hsien-Chi - SHAO, Cheng-gang - SLAGMOLEN, B. J. J. - MCCLELLAND, David E. - CHEN, Yanbei. Measurable signatures of quantum mechanics in a classical spacetime. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 4, 044008., Registrowané v: WOS
8. [1.1] HO, Chiu Man - HSU, Stephen D. H. Locality and nonlinear quantum mechanics. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 4-5, 1550029., Registrowané v: WOS
9. [1.1] JAASKELAINEN, Markku. The Wave Function as Matter Density: Ontological Assumptions and Experimental Consequences. In FOUNDATIONS OF PHYSICS. ISSN 0015-9018, 2015, vol. 45, no. 6, pp. 591., Registrowané v: WOS
10. [1.1] JU, Chia-Yi - MIRANOWICZ, Adam - CHEN, Guang-Yin - NORI, Franco. Non-Hermitian Hamiltonians and no-go theorems in quantum information. In PHYSICAL REVIEW A. ISSN 1050-2947, 2019, vol. 100, no. 6, 062118., Registrowané v: WOS
11. [1.1] LUO, Ming-Xing. Nonsignaling causal hierarchy of general multisource networks. In PHYSICAL REVIEW A. ISSN 1050-2947, 2020, vol. 101, no. 6, 062317., Registrowané v: WOS
12. [1.1] MAIMONE, Filippo - SCENZA, Giovanni - NADDEO, Adele. A natural cure for causality violations in Newton Schrodinger equation. In PHYSICA SCRIPTA. ISSN 0031-8949, 2019, vol. 94, no. 7, 075001., Registrowané v: WOS
13. [1.1] MENDEZ, J. M. - URIAS, Jesus. On the no-signaling approach to quantum nonlocality. In JOURNAL OF MATHEMATICAL PHYSICS. ISSN 0022-2488, 2015, vol. 56, no. 3, 032101., Registrowané v: WOS
14. [1.1] MUELLER, Markus P. - MASANES, Lluís. Information-Theoretic Postulates for Quantum Theory. In QUANTUM THEORY: INFORMATIONAL FOUNDATIONS AND FOILS, 2016, vol. 181, no., pp. 139-170., Registrowané v: WOS
15. [1.1] MULLER, Markus P. - CARROZZA, Sylvain - HOHN, Philipp A. Is the local linearity of space-time inherited from the linearity of probabilities? In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL.

ISSN 1751-8113, 2017, vol. 50, no. 5, 054003., Registrované v: WOS
 16. [1.1] SEKATSKI, P. - SKOTINIOTIS, M. - DUER, W. No-signaling bounds for quantum cloning and metrology. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 92, no. 2, 022355pp., Registrované v: WOS
 17. [1.1] SCHUMACHER, Benjamin - WESTMORELAND, Michael D. Almost Quantum Theory. In QUANTUM THEORY: INFORMATIONAL FOUNDATIONS AND FOILS, 2016, vol. 181, no., pp. 45-81., Registrované v: WOS

ADCA1079 SIMON, E.* - YANES, R.* - KHMELEVSKYI, K.* - PALOTÁS, Krisztián* - SZUNYOGH, L.* - NOWAK, U.*. Magnetism and exchange-bias effect at the MnN/Fe interface. In *Physical Review B*, 2018, vol. 98, no. 9, 094415. (2017: 3.813 - IF, Q2 - JCR, 1.176 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.98.094415>

Ohlasy:

1. [1.1] SINCLAIR, J. - HIROHATA, A. - VALLEJO-FERNANDEZ, G. - MEINERT, M. - O'GRADY, K. Thermal stability of exchange bias systems based on MnN. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2019, vol. 476, pp. 278-283., Registrované v: WOS

ADCA1080 SIMON, E.** - RÓZSA, L. - PALOTÁS, Krisztián - SZUNYOGH, L. Magnetism of a Co monolayer on Pt(111) capped by overlayers of 5d elements: A spin-model study. In *Physical Review B*, 2018, vol. 97, no. 13, 134405. (2017: 3.813 - IF, Q2 - JCR, 1.176 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.97.134405>

Ohlasy:

1. [1.1] DEGER, Caner. Influence of capping layer on skyrmion and domain-wall formation in Co/Pt(111). In TURKISH JOURNAL OF PHYSICS. ISSN 1300-0101, 2020, vol. 44, no. 4, pp. 356-363., Registrované v: WOS
 2. [1.1] DEGER, Caner. Strain-enhanced Dzyaloshinskii-Moriya interaction at Co/Pt interfaces. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2020, vol. 10, no. 1, 12314., Registrované v: WOS
 3. [1.1] DOLUI, Kapildeb - NIKOLIC, Branislav K. Spin-orbit-proximitized ferromagnetic metal by monolayer transition metal dichalcogenide: Atlas of spectral functions, spin textures, and spin-orbit torques in Co/MoSe₂, Co/WSe₂, and Co/TaSe₂ heterostructures. In PHYSICAL REVIEW MATERIALS. ISSN 2475-9953, 2020, vol. 4, no. 10, 104007., Registrované v: WOS
 4. [1.1] FINCO, Aurore - PERINI, Marco - KUBETZKA, Andre - VON BERGMANN, Kirsten - WIESENDANGER, Roland. Magnetic domain walls in strain-patterned ultrathin films. In PHYSICAL REVIEW B. ISSN 2469-9950, 2018, vol. 98, no. 17, 174435., Registrované v: WOS
 5. [1.1] GOEBEL, Boerge - MOOK, Alexander - HENK, Juergen - MERTIG, Ingrid. Overcoming the speed limit in skyrmion racetrack devices by suppressing the skyrmion Hall effect. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 99, no. 2, 020405., Registrované v: WOS
 6. [1.1] GOEBEL, Boerge - SCHAEFFER, Alexander F. -

BERAKDAR, Jamal - MERTIG, Ingrid - PARKIN, Stuart S. P. Electrical writing, deleting, reading, and moving of magnetic skyrmioniums in a racetrack device. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2019, vol. 9, 12119., Registrované v: WOS

7. [1.1] HALDAR, Soumyajyoti - VON MALOTTKI, Stephan - MEYER, Sebastian - BESSARAB, Pavel F. - HEINZE, Stefan. First-principles prediction of sub-10-nm skyrmions in Pd/Fe bilayers on Rh(111). In PHYSICAL REVIEW B. ISSN 2469-9950, 2018, vol. 98, no. 6, 060413., Registrované v: WOS

8. [1.1] MA, Chung T. Ing - XIE, Yunkun - SHENG, Howard - GHOSH, Avik W. - POON, S. Joseph. Robust Formation of Ultrasmall Room-Temperature Neel Skyrmions in Amorphous Ferrimagnets from Atomistic Simulations. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2019, vol. 9, 9964., Registrované v: WOS

9. [1.1] XING, Jianpei - WANG, Peng - JIANG, Zhou - JIANG, Xue - WANG, Yi - ZHAO, Jijun. Rational design of 2D organic magnets with giant magnetic anisotropy based on two-coordinate 5d transition metals. In APL MATERIALS. ISSN 2166-532X, 2020, vol. 8, no. 7, 071105., Registrované v: WOS

10. [1.1] ZIMMERMANN, Bernd - BIHLMAYER, Gustav - BOETTCHER, Marie - BOUHASSOUNE, Mohammed - LOUNIS, Samir - SINOVA, Jairo - HEINZE, Stefan - BLUEGEL, Stefan - DUPE, Bertrand. Comparison of first-principles methods to extract magnetic parameters in ultrathin films: Co/Pt(111). In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 99, no. 21, 214426., Registrované v: WOS

ADCA1081 SIMON, P. - ILLEKOVÁ, Emília - MOJUMDAR, S.C. Kinetics of crystallization of metallic glasses studied by non-isothermal and isothermal DSC. In *Journal of Thermal Analysis and Calorimetry*, 2006, vol. 83, no. 1, p. 67-69. (2005: 1.425 - IF, Q2 - JCR, 0.473 - SJR, Q3 - SJR, Current Contents - CCC). (2006 - Current Contents). ISSN 1388-6150. Dostupné na: <https://doi.org/10.1007/s10973-005-7067-z>

Ohlasy:

1. [1.1] CHEN, Xilei - HUO, Lili - LIU, Jianbo - et al. Combustion properties and pyrolysis kinetics of flame-retardant polyurethane elastomers. In JOURNAL OF THERMOPLASTIC COMPOSITE MATERIALS. ISSN 0892-7057, 2017, vol. 30, no. 2, pp. 255-272., Registrované v: WOS

2. [1.1] LU, Guibin - ZHANG, Caixing - CHEN, Liping - CHEN, Wanghua - YANG, Ting - ZHOU, Yishan. Kinetic analysis and self-accelerating decomposition temperature (SADT) of beta-nitroso-alpha-naphthol. In PROCESS SAFETY AND ENVIRONMENTAL PROTECTION. ISSN 0957-5820, 2015, vol. 95, pp. 69., Registrované v: WOS

3. [1.1] MALDONADO, Yadira G. - DE LA BARRAZA P, Claudia - RODRIGUEZ A, Sergio - HUMBERTO CASTILLEJOS E, A. - THOMAS, Brian G. Estimation of Time-Temperature-Transformation Diagrams of Mold Powder Slags from Thermo-analysis of Non-isothermal Crystallization. In METALLURGICAL AND MATERIALS TRANSACTIONS B-PROCESS METALLURGY AND MATERIALS PROCESSING SCIENCE. ISSN 1073-5615, 2015, vol. 46, no. 1, pp. 286., Registrované v: WOS

4. [1.2] ŠESTÁK, Jaroslav. The quandary aspects of non-isothermal

kinetics beyond the ICTAC kinetic committee recommendations. In *Thermochimica Acta*. ISSN 00406031, 2015-05-26, 611, pp. 26-35.,
Registrované v: SCOPUS

ADCA1082 SIMSEK, Esra Bilgin - NOVÁK, Ivan - ŠAUŠA, Ondrej - BEREK, Dušan. Microporous carbon fibers prepared from cellulose as efficient sorbents for removal of chlorinated phenols. In *Research on Chemical Intermediates*, 2017, vol. 43, no. 1, p. 503-522. (2016: 1.369 - IF, Q3 - JCR, 0.286 - SJR, Q3 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 0922-6168. Dostupné na: <https://doi.org/10.1007/s11164-016-2637-1>

Ohlasy:

1. [1.1] HU, Z.J. - MUSIKAVANHU, B. - LI, J. - LIN, J. - HE, Z.B. ZnCl₂ Pretreatment of Bamboo Chips to Produce Chemi-thermomechanical Pulp: Saving Refining Energy and Improving Pulp Properties. In *BIORESOURCES*. ISSN 1930-2126, 2018, vol. 13, no. 3, p. 5164-5178., Registrované v: WOS
2. [1.1] KALDERIS, D. - KAYAN, B. - AKAY, S. - KULAKSIZ, E. - GOZMEN, B. Adsorption of 2,4-dichlorophenol on paper sludge/wheat husk biochar: Process optimization and comparison with biochars prepared from wood chips, sewage sludge and hog fuel/demolition waste. In *JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING*. ISSN 2213-3437, JUN 2017, vol. 5, no. 3, p. 2222-2231., Registrované v: WOS
3. [1.1] LI, D.N. - LI, J.N. - MA, X.J. SUSTAINABLE ACTIVATED CARBON HOLLOW FIBERS FROM LIQUEFIED RUBBER WOOD (HEVEA BRASILIENSIS) AND ITS ADSORPTION OF ORGANIC MATTER FROM SOLUTION. In *WOOD RESEARCH*. ISSN 1336-4561, 2019, vol. 64, no. 2, p. 317-324., Registrované v: WOS
4. [1.1] UCAR, M. Adsorption of chlorophenolic compounds on activated clinoptilolite. In *ADSORPTION SCIENCE & TECHNOLOGY*. ISSN 0263-6174, OCT 2019, vol. 37, no. 7-8, p. 664-679., Registrované v: WOS
5. [1.1] ZHOU, B. - QI, N. - WANG, B. - CHEN, Z.Q. Effect of swelling agent on the pore structure of SBA-15 studied by positron annihilation. In *APPLIED SURFACE SCIENCE*. ISSN 0169-4332, MAY 1 2019, vol. 475, p. 961-968., Registrované v: WOS
6. [1.1] ZHOU, L.Q. - XU, Z.J. - YI, K. - HUANG, Q.Y. - CHAI, K.G. - TONG, Z.F. - JI, H.B. Efficient remediation of 2,4-dichlorophenol from aqueous solution using beta-cyclodextrin-based submicron polymeric particles. In *CHEMICAL ENGINEERING JOURNAL*. ISSN 1385-8947, MAR 15 2019, vol. 360, p. 531-541., Registrované v: WOS

ADCA1083 SIWAL, Samarjeet Singh - ZHANG, Qibo** - SUN, Changbin - THAKUR, Sourbh - GUPTA, Vijai Kumar - THAKUR, Vijay Kumar. Energy production from steam gasification processes and parameters that contemplate in biomass gasifier - A review. In *Bioresource Technology*, 2020, vol. 297, no. 12, 122481. (2019: 7.539 - IF, Q1 - JCR, 2.430 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 0960-8524. Dostupné na: <https://doi.org/10.1016/j.biortech.2019.122481>

Ohlasy:

1. [1.1] CALI, Gabriele - DEIANA, Paolo - BASSANO, Claudia - MELONI, Simone - MAGGIO, Enrico - MASCIA, Michele - PETTINAU,

Alberto. Syngas Production, Clean-Up and Wastewater Management in a Demo-Scale Fixed-Bed Updraft Biomass Gasification Unit. In *ENERGIES*, 2020, vol. 13, no. 10, 2594., Registrované v: WOS

2. [1.1] ENCINAR, Jose Maria - GONZALEZ, Juan Felix - NOGALES-DELGADO, Sergio. Catalyzed Steam Gasification of Cistus Ladanifer Biochar. In *CATALYSTS*, 2020, vol. 10, no. 12, 1430., Registrované v: WOS

3. [1.1] HU, Changsong - LIU, Chao - LIU, Qingyu - ZHANG, Huiyan - WU, Shiliang - XIAO, Rui. Effects of steam to enhance the production of light olefins from ex-situ catalytic fast pyrolysis of biomass. In *FUEL PROCESSING TECHNOLOGY*. ISSN 0378-3820, 2020, vol. 210, 106562., Registrované v: WOS

4. [1.1] JU, Xiaonan - ZHANG, Kexin - CHEN, Zhongjia - ZHOU, Jianbo. A Method of Adding Binder by High-Pressure Spraying to Improve the Biomass Densification. In *POLYMERS*, 2020, vol. 12, no. 10, 2374., Registrované v: WOS

5. [1.1] MA, Chaofan - ZHOU, Yuan - WANG, Jiangjiang - LI, Xiaojing. Numerical study on solar spouted bed reactor for conversion of biomass into hydrogen-rich gas by steam gasification. In *INTERNATIONAL JOURNAL OF HYDROGEN ENERGY*. ISSN 0360-3199, 2020, vol. 45, no. 58, pp. 33136-33150., Registrované v: WOS

6. [1.1] UPADHYAY, Darshit S. - PANCHAL, Krupal R. - SAKHIYA, Anil Kumar V. - PATEL, Rajesh N. Air-Steam gasification of lignite in a fixed bed gasifier: Influence of steam to lignite ratio on performance of downdraft gasifier. In *ENERGY*. ISSN 0360-5442, 2020, vol. 211, 118187., Registrované v: WOS

7. [1.1] XIANG, Yanlei - CAI, Lei - GUAN, Yanwen - LIU, Wenbin - CHENG, Zeyang - LIU, Zexi. Study on the effect of gasification agents on the integrated system of biomass gasification combined cycle and oxy-fuel combustion. In *ENERGY*. ISSN 0360-5442, 2020, vol. 206, 118131., Registrované v: WOS

8. [1.1] ZHAO, Shuheng - YANG, Panbo - LIU, Xiaofeng - ZHANG, Quanguo - HU, Jianjun. Synergistic effect of mixing wheat straw and lignite in co-pyrolysis and steam co-gasification. In *BIORESOURCE TECHNOLOGY*. ISSN 0960-8524, 2020, vol. 302, 122876., Registrované v: WOS

9. [1.1] ZHU, Yongfeng - CHEN, Jinlei - LI, Wenbin - WANG, Dechao - LI, Shuirong - ZHENG, Zhifeng. A new method for long-chain alkanes under a condition without extra hydrogen source: Catalytic upgrading of cellulose pyrolysis vapors over Au/TS-1 catalyst. In *JOURNAL OF ANALYTICAL AND APPLIED PYROLYSIS*. ISSN 0165-2370, 2020, vol. 151, 104906., Registrované v: WOS

ADCA1084 SKÁKALOVÁ, Viera** - KOTRUSZ, Peter - JERGEL, Matej - SUSI, Toma - MITTELBERGER, Andreas - VRETENÁR, Viliam - ŠIFFALOVÍČ, Peter - KOTAKOSKI, Jani - MEYER, Jannik C. - HULMAN, Martin. Chemical oxidation of graphite: Evolution of the structure and properties. In *Journal of Physical Chemistry C*, 2018, vol. 122, no. 1, p. 929-935. (2017: 4.484 - IF, Q1 - JCR, 2.135 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 1932-7447. Dostupné na: <https://doi.org/10.1021/acs.jpcc.7b10912>

Ohlasy:

1. [1.1] BOUNEGRU, Alexandra Virginia - APETREI, Constantin. Carbonaceous Nanomaterials Employed in the Development of Electrochemical Sensors Based on Screen-Printing Technique-A Review. In CATALYSTS, 2020, vol. 10, no. 6, 680., Registrované v: WOS
2. [1.1] CLARKE, Ryan W. - MCGRAW, Michael L. - GOWDA, Ravikumar R. - CHEN, Eugene Y.X. Lewis Pair Polymerization of Renewable Indenone to Erythro-Ditactic High-T-g Polymers with an Upcycling Avenue. In MACROMOLECULES. ISSN 0024-9297, 2020, vol. 53, no. 2, pp. 640-648., Registrované v: WOS
3. [1.1] DIMIEV, Ayrat M. - SHUKHINA, Ksenia - KHANNANOV, Artur. Mechanism of the graphene oxide formation: The role of water, ?reversibility ? of the oxidation, and mobility of the CO bonds. In CARBON. ISSN 0008-6223, 2020, vol. 166, pp. 1-14., Registrované v: WOS
4. [1.1] CHAI, Wai Siong - CHEAH, Kean How - MENG, Hua - LI, Gang. Experimental and analytical study on electrolytic decomposition of HAN-water solution using graphite electrodes. In JOURNAL OF MOLECULAR LIQUIDS. ISSN 0167-7322, 2019, vol. 293, 111496., Registrované v: WOS
5. [1.1] KAMALI, Ali Reza - YANG, Jigang - SUN, Qiang. Molten salt conversion of polyethylene terephthalate waste into graphene nanostructures with high surface area and ultra-high electrical conductivity. In APPLIED SURFACE SCIENCE. ISSN 0169-4332, 2019, vol. 476, pp. 539-551., Registrované v: WOS
6. [1.1] KAMALI, Ali Reza - YANG, Jigang. Effect of molten salts on the structure, morphology and electrical conductivity of PET-derived carbon nanostructures. In POLYMER DEGRADATION AND STABILITY. ISSN 0141-3910, 2020, vol. 177, 109184., Registrované v: WOS
7. [1.1] KAMALI, A.R. Molten Salt Conversion of Plastics into Highly Conductive Carbon Nanostructures. In GREEN PRODUCTION OF CARBON NANOMATERIALS IN MOLTEN SALTS AND APPLICATIONS. 2020, p. 109-140., Registrované v: WOS
8. [1.1] LAVIN-LOPEZ, M. P. - PATON-CARRERO, A. - MUNOZ-GARCIA, N. - ENGUILO, V - VALVERDE, J. L. - ROMERO, A. The influence of graphite particle size on the synthesis of graphene-based materials and their adsorption capacity. In COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS. ISSN 0927-7757, 2019, vol. 582, 123935., Registrované v: WOS
9. [1.1] LIAO, Chengzhu - LI, Yuchao - TJONG, Sie Chin. Graphene Nanomaterials: Synthesis, Biocompatibility, and Cytotoxicity. In INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES. ISSN 1422-0067, 2018, vol. 19, no. 11, 3564., Registrované v: WOS
10. [1.1] LI, Yuchao - LIAO, Chengzhu - TJONG, Sie Chin. Synthetic Biodegradable Aliphatic Polyester Nanocomposites Reinforced with Nanohydroxyapatite and/or Graphene Oxide for Bone Tissue Engineering Applications. In NANOMATERIALS. ISSN 2079-4991, 2019, vol. 9, no. 4, 590., Registrované v: WOS
11. [1.1] LUO, D. - ZHANG, F. - REN, Z. - REN, W. - YU, L. - JIANG, L. - REN, B. - WANG, L. - WANG, Z. - YU, Y. - ZHANG, Q. - REN, Z. An improved method to synthesize nanoscale graphene oxide using much less acid. In MATERIALS TODAY PHYSICS. ISSN 2542-5293, 2019, vol. 9, UNSP 100097., Registrované v: WOS

12. [1.1] PAZARCEVIREN, Ahmet Engin - EVIS, Zafer - KESKIN, Dilek - TEZCANER, Aysen. Resorbable PCEC/gelatin-bismuth doped bioglass-graphene oxide bilayer membranes for guided bone regeneration. In BIOMEDICAL MATERIALS. ISSN 1748-6041, 2019, vol. 14, no. 3, 035018., Registrované v: WOS
13. [1.1] SAUERMOSER, Marco - KIZILOVA, Natalya - POLLET, Bruno G. - KJELSTRUP, Signe. Flow Field Patterns for Proton Exchange Membrane Fuel Cells. In FRONTIERS IN ENERGY RESEARCH. ISSN 2296-598X, 2020, vol. 8, 13., Registrované v: WOS
14. [1.1] SUN, Ling. Structure and synthesis of graphene oxide. In CHINESE JOURNAL OF CHEMICAL ENGINEERING. ISSN 1004-9541, 2019, vol. 27, no. 10, pp. 2251-2260., Registrované v: WOS
15. [1.1] XU, Zhen-Lin - YE, Song-Ling - LUO, Lin - HUA, Xiude - LAI, Jing-Xian - CAI, Xiang-Ping - LIANG, Qing-Wen - LEI, Hong-Tao - SUN, Yuan-Ming - CHEN, Yi-ping - SHEN, Xing. Fluorescent enzyme-linked immunoassay based on silane-doped carbon dots for sensitive detection of microcystin-LR in water and crucian samples. In SCIENCE OF THE TOTAL ENVIRONMENT. ISSN 0048-9697, 2020, vol. 708, 134614., Registrované v: WOS
16. [1.1] YADAV, Nisha - KALLUR, Vedha - CHAKRABORTY, Dwaipayan - JOHARI, Priya - LOCHAB, Bimlesh. Control of Functionalities in GO: Effect of Bronsted Acids as Supported by Ab Initio Simulations and Experiments. In ACS OMEGA. ISSN 2470-1343, 2019, vol. 4, no. 5, pp. 9407-9418., Registrované v: WOS
17. [1.2] MAJUMDAR, Dipanwita. Ultrasound-Assisted Synthesis, Exfoliation and Functionalisation of Graphene Derivatives. In Carbon Nanostructures. ISSN 21913005, 2019-01-01, pp. 63-103., Registrované v: SCOPUS

ADCA1085 SKÁKALOVÁ, V. - VRETENÁR, Viliam - KOPERA, Ľubomír - KOTRUSZ, P. - MANGLER, C. - MEŠKO, M. - MEYER, J.C. - HULMAN, Martin. Electronic transport in composites of graphite oxide with carbon nanotubes. In *Carbon*, 2014, vol. 72, p. 224-232. (2013: 6.160 - IF, Q1 - JCR, 2.292 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents). ISSN 0008-6223. Dostupné na: <https://doi.org/10.1016/j.carbon.2014.02.006>

Ohlasy:

1. [1.1] AL-JUMAILI, A. - ALANCHERRY, S. - BAZAKA, K. - JACOB, M.V. In MATERIALS. SEP 2017, vol. 10, no. 9., Registrované v: WOS
2. [1.1] FAN, M.M. - ZHU, C.L. - LIU, L. - WU, Q.L. - HAO, Q.L. - YANG, J.Z. - SUN, D.P. Modified PEDOT by benign preparing N-doped reduced graphene oxide as potential bio-electrode coating material. In GREEN CHEMISTRY. 2016, vol. 18, no. 6, p. 1731-1737., Registrované v: WOS
3. [1.1] GLAMAZDA, A. Yu. - STEPANIAN, S. G. - KARACHEVTSEV, M. V. - PLOKHOTNICHENKO, A. M. - ADAMOWICZ, L. - KARACHEVTSEV, V. A. Noncovalent interaction of single-walled carbon nanotubes with graphene/graphene oxide: Spectroscopy and theoretical characterizations. In PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES. ISSN 1386-9477, 2020, vol. 124, 114279., Registrované v: WOS
4. [1.1] KARACHEVTSEV, V. A. - KURNOSOV, N. V. The

temperature dependence of electron transport in a composite film of graphene oxide with single-wall carbon nanotubes: an analysis and comparison with a nanotube film. In *LOW TEMPERATURE PHYSICS*. ISSN 1063-777X, 2019, vol. 45, no. 10, pp. 1109-1116., Registrované v: WOS

5. [1.1] KHARISSOVA, Oxana V. - KHARISOV, Boris I. - OLIVA GONZALEZ, Cesar M. Carbon-Carbon Allotropic Hybrids and Composites: Synthesis, Properties, And Applications. In *INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH*. ISSN 0888-5885, 2019, vol. 58, no. 10, pp. 3921-3948., Registrované v: WOS

6. [1.1] KUMAR, R. - KAUR, A. Charge transport mechanism of hydrazine hydrate reduced graphene oxide. In *IET CIRCUITS DEVICES & SYSTEMS*. NOV 2015, vol. 9, no. 6, SI, p. 392-396., Registrované v: WOS

7. [1.1] KURNOSOV, N. V. - LINNIK, A. S. - KARACHEVTSEV, V. A. Comparison of temperature dependences of electrical conductivity of composite rGO-SWNT film with rGO and SWNT films. In *LOW TEMPERATURE PHYSICS*. ISSN 1063-777X, 2020, vol. 46, no. 3, pp. 285-292., Registrované v: WOS

8. [1.1] MAAROUF, A.A. - KASRY, A. - CHANDRA, B. - MARTYNA, G.J. A graphene-carbon nanotube hybrid material for photovoltaic applications. In *CARBON*. JUN 2016, vol. 102, p. 74-80., Registrované v: WOS

9. [1.2] KURNOSOV, Nikita - KARACHEVTSEV, Victor. Temperature Dependence of Conductivity in Composite Film of Single-Walled Carbon Nanotubes with Graphene Oxide. In *Springer Proceedings in Physics*. ISSN 09308989, 2020-01-01, 240, pp. 79-89., Registrované v: SCOPUS

10. [1.2] LOGANATHAN, A. - SIVAKUMAR, A. - MURUGESAN, B. - SIVAKUMAR, P. Solar light active CeO₂/rGO hybrid photocatalyst for direct violet 51 degradation. In *Rasayan Journal of Chemistry*. ISSN 09741496, 2019, vol. 12, no. 4, pp. 1710-1724., Registrované v: SCOPUS

11. [1.2] LOGANATHAN, A. - SIVAKUMAR, A. - MURUGESAN, B. - SIVAKUMAR, P. Green synthesis and applications of nano CeO₂/RGO solar active photocatalyst for the degradation of basic auramine-O dye. In *Asian Journal of Chemistry*. ISSN 09707077, 2020-01-01, 32, 3, pp. 528-538., Registrované v: SCOPUS

ADCA1086 SKODA, David** - URBANEK, Pavel - SEVCIK, Jakub - MUNSTER, Lukas - NÁDAŽDY, Vojtech - CULLEN, David A. - BAZANT, Pavel - ANTOS, Jan - KURITKA, Ivo. Colloidal cobalt-doped ZnO nanoparticles by microwave-assisted synthesis and their utilization in thin composite layers with MEH-PPV as an electroluminescent material for polymer light emitting diodes. In *Organic Electronics*, 2018, vol. 59, p. 337-348. (2017: 3.680 - IF, Q1 - JCR, 1.085 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 1566-1199. Dostupné na: <https://doi.org/10.1016/j.orgel.2018.05.037>

Ohlasy:

1. [1.1] IQBAL, Tahir - IRFAN, M. - RAMAY, Shahid M. - GAITHAN, Hamid M. - MAHMOOD, Asif - SALEEM, Murtaza. Investigations on ZnO/polymer nanocomposite thin film for polymer based devices. In *MATERIALS RESEARCH EXPRESS*. ISSN 2053-1591, 2019, vol. 6, no. 7, 075322., Registrované v: WOS

2. [1.1] IRIBARREN, A. - GONZALEZ-HURTADO, M. - DURAN-SOSA, I - HERRERA-SALVADOR, M. - CASTRO-RODRIGUEZ, R.

Structural, chemical and optical properties of Co-doped ZnO nanoparticles obtained from an aqueous method. In *PHYSICA SCRIPTA*. ISSN 0031-8949, 2020, vol. 95, no. 11, 115707., Registrované v: WOS

3. [1.1] KANAKKILLAM, Sreed S. - SHAJI, S. - KRISHNAN, B. - VAZQUEZ-RODRIGUEZ, S. - AGUILAR MARTINEZ, J. A. - MENDIVIL PALMA, M. I. - AVELLANEDA, D. A. Nanoflakes of zinc oxide:cobalt oxide composites by pulsed laser fragmentation for visible light photocatalysis. In *APPLIED SURFACE SCIENCE*. ISSN 0169-4332, 2020, vol. 501, 144223., Registrované v: WOS

4. [1.1] SELLAIAN, S. - UEDONO, A. - DEVI, L. Vimala - SIVAJI, K. Er³⁺ induced point defects in ZnO and impact of Li⁺/Na⁺/K⁺ on the vacancy defects in ZnO:Er studied by positron annihilation spectroscopy. In *APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING*. ISSN 0947-8396, 2019, vol. 125, no. 8, 497., Registrované v: WOS

5. [1.1] SHAO, Feng - YANG, AiJun - YU, Dong Mei - WANG, Juan - GONG, Xue - TIAN, Hong Xiao. Bio-synthesis of *Barleria gibsoni* leaf extract mediated zinc oxide nanoparticles and their formulation gel for wound therapy in nursing care of infants and children. In *JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY B-BIOLOGY*. ISSN 1011-1344, 2018, vol. 189, pp. 267-273., Registrované v: WOS

6. [1.1] WOJNAROWICZ, Jacek - CHUDABA, Tadeusz - LOJKOWSKI, Witold. A Review of Microwave Synthesis of Zinc Oxide Nanomaterials: Reactants, Process Parameters and Morphologies. In *NANOMATERIALS*, 2020, vol. 10, no. 6, 1086., Registrované v: WOS

ADCA1087 SLÁVIKOVÁ, Barbora - ISKROVÁ, Martina, Miklošovičová - MAJERNÍK, Viktor - ŠAUŠA, Ondrej - KRIŠTIÁK, Jozef - JESENÁK, K. Water in montmorillonites. In *Materials Science Forum*, 2011, vol. 666, p. 119-122. (2010: 0.233 - IF, 0.273 - SJR, Q2 - SJR). (2011 - SCOPUS). ISSN 0255-5476. Dostupné na: <https://doi.org/10.4028/www.scientific.net/MSF.666.119>

Ohlasy:

1. [1.1] ALSLEBEN, Helge - AMEENA, Fnu - BUFKIN, James - CHUN, Joah - QUARLES, C. A. Positron Annihilation Spectroscopy study of minerals commonly found in shale. In *NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS*. ISSN 0168-583X, 2018, vol. 414, pp. 161-165., Registrované v: WOS

ADCA1088 SLEVIN, Keith - MARKOŠ, Peter - OHTSUKI, Tomi. Reconciling Conductance Fluctuations and the Scaling Theory of Localization. In *Physical Review Letters*, 2001, vol. 86, no. 16, p. 3594-3597. (2000: 6.462 - IF, Current Contents - CCC). (2001 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.86.3594>

Ohlasy:

1. [1.1] CHEN, Chui-Zhen - LIU, Haiwen - JIANG, Hua - SUN, Qing-feng - WANG, Ziqiang - XIE, X. C. Tunable Anderson metal-insulator transition in quantum spin-Hall insulators. In *PHYSICAL REVIEW B*. ISSN 1098-0121, 2015, vol. 91, no. 21, 214202., Registrované v: WOS

2. [1.1] CHEN, Chui-Zhen - LIU, Haiwen - JIANG, Hua - XIE, X. C. Positive magnetoelectricity of Weyl semimetals in the ultraquantum limit. In

- PHYSICAL REVIEW B. ISSN 2469-9950, 2016, vol. 93, no. 16, 165420.,
Registrované v: WOS
3. [1.1] KJELLSTADLI, Jonas T. - BERING, Eivind - HENDRICK, Martin - PRADHAN, Srutarshi - HANSEN, Alex. Can Local Stress Enhancement Induce Stability in Fracture Processes? Part I: Apparent Stability. In FRONTIERS IN PHYSICS. ISSN 2296-424X, 2019, vol. 7, 105.,
Registrované v: WOS
4. [1.1] MENDOZA, Jonathan - CHEN, Gang. Anderson Localization of Thermal Phonons Leads to a Thermal Conductivity Maximum. In NANO LETTERS. ISSN 1530-6984, 2016, vol. 16, no. 12, pp. 7616-7620., Registrované v: WOS
5. [1.1] SHI, Zhou - DAVY, Matthieu - GENACK, Azriel Z. Statistics and control of waves in disordered media. In OPTICS EXPRESS. ISSN 1094-4087, 2015, vol. 23, no. 9, pp. 12293., Registrované v: WOS
6. [1.1] SKIPETROV, S. E. Finite-size scaling analysis of localization transition for scalar waves in a three-dimensional ensemble of resonant point scatterers. In PHYSICAL REVIEW B. ISSN 2469-9950, 2016, vol. 94, no. 6, 064202., Registrované v: WOS
7. [1.1] SKIPETROV, S. E. Localization of light in a three-dimensional disordered crystal of atoms. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 102, no. 13, 134206., Registrované v: WOS
8. [1.1] SKIPETROV, S. E. - SOKOLOV, I. M. Ioffe-Regel criterion for Anderson localization in the model of resonant point scatterers. In PHYSICAL REVIEW B. ISSN 2469-9950, 2018, vol. 98, no. 6, 064207., Registrované v: WOS
9. [1.1] SKIPETROV, S. E. - SOKOLOV, I. M. Search for Anderson localization of light by cold atoms in a static electric field. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 99, no. 13, 134201., Registrované v: WOS
10. [1.1] SUSLOV, I. M. Conductance distribution near the Anderson transition. In JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS. ISSN 1063-7761, 2017, vol. 124, no. 5, pp. 763-778., Registrované v: WOS
11. [1.1] SUTRADHAR, Jagannath - MUKERJEE, Subroto - PANDIT, Rahul - BANERJEE, Sumilan. Transport, multifractality, and the breakdown of single-parameter scaling at the localization transition in quasiperiodic systems. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 99, no. 22, 224204.,
Registrované v: WOS
12. [1.1] UEOKA, Yoshiki - SLEVIN, Keith. Borel-Pade Re-summation of the beta-functions Describing Anderson Localisation in the Wigner-Dyson Symmetry Classes. In JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN. ISSN 0031-9015, 2017, vol. 86, no. 9., Registrované v: WOS
13. [1.1] ZHAO, Yang - FENG, Dingyi - HU, Yongbo - GUO, Shutong - SIRKER, Jesko. Entanglement dynamics in the three-dimensional Anderson model. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 102, no. 19, 195132., Registrované v: WOS

ADCA1089 SLEVIN, Keith - MARKOŠ, Peter - OHTSUKI, Tomi. Scaling of the conductance distribution near the Anderson transition. In *Physical Review B*, 2003, vol. 67, no. 15, 155106. (2002: 3.327 - IF, Current Contents - CCC). (2003 - Current

Contents). ISSN 1550-235X. Dostupné na:
<https://doi.org/10.1103/PhysRevB.67.155106>

Ohlasy:

1. [1.1] CHEN, Weiwei - WANG, C. - SHI, Qinwei - LI, Qunxiang - WANG, X. R. Metal to marginal-metal transition in two-dimensional ferromagnetic electron gases. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 100, no. 21, 214201., Registrované v: WOS
2. [1.1] SKIPETROV, S. E. Finite-size scaling analysis of localization transition for scalar waves in a three-dimensional ensemble of resonant point scatterers. In PHYSICAL REVIEW B. ISSN 2469-9950, 2016, vol. 94, no. 6, 064202., Registrované v: WOS
3. [1.1] SKIPETROV, S. E. Localization of light in a three-dimensional disordered crystal of atoms. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 102, no. 13, 134206., Registrované v: WOS
4. [1.1] SKIPETROV, S. E. - SOKOLOV, I. M. Ioffe-Regel criterion for Anderson localization in the model of resonant point scatterers. In PHYSICAL REVIEW B. ISSN 2469-9950, 2018, vol. 98, no. 6, 064207., Registrované v: WOS
5. [1.1] SKIPETROV, S. E. - SOKOLOV, I. M. Search for Anderson localization of light by cold atoms in a static electric field. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 99, no. 13, 134201., Registrované v: WOS
6. [1.1] SUSLOV, I. M. Conductance distribution near the Anderson transition. In JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS. ISSN 1063-7761, 2017, vol. 124, no. 5, pp. 763-778., Registrované v: WOS
7. [1.1] UEOKA, Yoshiki - SLEVIN, Keith. Borel-Pade Re-summation of the beta-functions Describing Anderson Localisation in the Wigner-Dyson Symmetry Classes. In JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN. ISSN 0031-9015, 2017, vol. 86, no. 9., Registrované v: WOS

ADCA1090 SMITH, D.R. - SCHULTZ, S. - MARKOŠ, Peter - SOUKOULIS, C.M. Determination of effective permittivity and permeability of metamaterials from reflection and transmission coefficients. In *Physical Review B*, 2002, vol. 65, no. 19, 195104. (2001: 3.070 - IF, Current Contents - CCC). (2002 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na:
<https://doi.org/10.1103/PhysRevB.65.195104>

Ohlasy:

1. [1.1] ABBAS, Mohammed Nadhim - KHALEEL, Farooq Abdulghafoor. Wide-range tunable subwavelength band-stop filter for the far-infrared wavelengths based on single-layer graphene sheet. In UKRAINIAN JOURNAL OF PHYSICAL OPTICS. ISSN 1609-1833, 2019, vol. 20, no. 1, pp. 37-45., Registrované v: WOS
2. [1.1] ABDELKARIM, M. - NAOUI, S. - IATRACH, L. - et al. Radiation efficiency improvement of RFID patch antenna using metamaterials. In 2017 IEEE International Conference on Green Energy and Conversion Systems (GECS) , 2017-03-23-25., Registrované v: WOS
3. [1.1] ABEDI, Reza - AMIRKHZI, Alireza. Use of loss limit approach to zero in scattering-based parameter retrieval of elastic micro-structured media. In INTERNATIONAL JOURNAL OF SOLIDS AND

STRUCTURES. ISSN 0020-7683, 2020, vol. 200, pp. 34-63., Registrované v: WOS

4. [1.1] ABEDI, Reza. An Adaptive Time Domain Approach to Characterize Dispersive Elastodynamic Media. In Conference: ASME International Mechanical Engineering Congress and Exposition, 2018, UNSP V013T01A006., Registrované v: WOS

5. [1.1] ABU SAFIA, Ousama - YAGOUB, Mustapha C. E. Accurate Capacitance and Inductance Calculations for Koch Fractal SRRs. In 2015 IEEE MTT-S INTERNATIONAL CONFERENCE ON NUMERICAL ELECTROMAGNETIC AND MULTIPHYSICS MODELING AND OPTIMIZATION (NEMO), 2015 ., Registrované v: WOS

6. [1.1] ACIKGOZ, Hulusi. Internal Homogenization of Biological Tissues for Electromagnetic Dosimetry. In APPLIED COMPUTATIONAL ELECTROMAGNETICS SOCIETY JOURNAL. ISSN 1054-4887, 2016, vol. 31, no. 6, pp. 706-711., Registrované v: WOS

7. [1.1] ADHIKARI, Kishor Kumar - KIM, Eun Seong - KIM, Nam Young. Multiparameter Microwave Characterization and Probing of Ultralow Glucose Concentration Using a Microfabricated Biochip. In MICROMACHINES. ISSN 2072-666X, 2016, vol. 7, no. 6, pp., Registrované v: WOS

8. [1.1] ADHIKARI, Kishor Kumar - KIM, Nam-Young. Ultrahigh-Sensitivity Mediator-Free Biosensor Based on a Microfabricated Microwave Resonator for the Detection of Micromolar Glucose Concentrations. In IEEE TRANSACTIONS ON MICROWAVE THEORY AND TECHNIQUES. ISSN 0018-9480, 2016, vol. 64, no. 1, pp. 319-327., Registrované v: WOS

9. [1.1] AGHIGHI, Fateme - MORRIS, Joshua - AMIRKHIZI, Alireza V. Low-frequency micro-structured mechanical metamaterials. In MECHANICS OF MATERIALS. ISSN 0167-6636, 2019, vol. 130, pp. 65-75., Registrované v: WOS

10. [1.1] AHSAN, Md Rezwanul - ISLAM, Mohammad Tariqul - ULLAH, Mohammad Habib - SINGH, Mandeep Jit - ALI, Mohd Tarmizi. Metasurface Reflector (MSR) Loading for High Performance Small Microstrip Antenna Design. In PLOS ONE. ISSN 1932-6203, 2015, vol. 10, no. 5, e127185., Registrované v: WOS

11. [1.1] AKMANSOY, Eric - MARCELLIN, Simon. Negative index and mode coupling in all-dielectric metamaterials at terahertz frequencies. In EPJ APPLIED METAMATERIALS, 2018, vol. 5, 10., Registrované v: WOS

12. [1.1] AL FAROOQUI, Md. Abdullah et al. Quantum entanglement distillation. In OPTICS EXPRESS, 2015, vol. 23, p. 17941., Registrované v: WOS

13. [1.1] AL MOHTAR, Abeer - KAZAN, Michel - TALIERCIO, Thierry - CERUTTI, Laurent - BLAIZE, Sylvain - BRUYANT, Aurelien. Direct measurement of the effective infrared dielectric response of a highly doped semiconductor metamaterial. In NANOTECHNOLOGY. ISSN 0957-4484, 2017, vol. 28, no. 12, 125701., Registrované v: WOS

14. [1.1] ALADADI, Yosef T. - ALKANHAL, Majeed A. S. Extraction of metamaterial constitutive parameters based on data-driven discontinuity detection. In OPTICAL MATERIALS EXPRESS. ISSN 2159-3930, 2019, vol. 9, no. 9, pp. 3765-3780., Registrované v: WOS

15. [1.1] ALADADI, Yosef T. - ALKANHAL, Majeed A. S. Classification and characterization of electromagnetic materials. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2020, vol. 10, no. 1., Registrované v: WOS
16. [1.1] ALADADI, Yosef T. - ALKANHAL, Majeed A. S. Electromagnetic Characterization of Graphene-Plasma Formations. In IEEE TRANSACTIONS ON PLASMA SCIENCE. ISSN 0093-3813, 2020, vol. 48, no. 4, pp. 852-857., Registrované v: WOS
17. [1.1] ALADADI, Yosef T. - ALKANHAL, Majeed A. S. Extraction of the terahertz constitutive tensors of multilayer graphene-dielectric stacks. In OPTICS COMMUNICATIONS. ISSN 0030-4018, 2020, vol. 464, 125487., Registrované v: WOS
18. [1.1] ALADADI, Yosef T. - ALKANHAL, Majeed A. S. Extraction of tensor parameters of general biaxial anisotropic materials. In AIP ADVANCES, 2020, vol. 10, no. 2, 025113., Registrované v: WOS
19. [1.1] ALAVIKIA, Babak - KABIRI, Ali - RAMAHI, Omar M. Poynting theorem constraints on the signs of the imaginary parts of the electromagnetic constitutive parameters. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA A-OPTICS IMAGE SCIENCE AND VISION. ISSN 1084-7529, 2015, vol. 32, no. 4, pp. 522., Registrované v: WOS
20. [1.1] ALBOOYEH, M. In ANNALEN DER PHYSIK, 2016, vol. 528, pp. 721., Registrované v: WOS
21. [1.1] ALEKHINA, Tatiana Yu. - TYUKHTIN, Andrey V. Reversed Cherenkov-transition radiation in a waveguide partly filled with a left-handed medium. In RADIATION PHYSICS AND CHEMISTRY, 2018, vol. 145, pp. 43-49., Registrované v: WOS
22. [1.1] ALI, Tanweer - AW, Mohammad Saadh - BIRADAR, Rajashekhar C. A fractal quad-band antenna loaded with L-shaped slot and metamaterial for wireless applications. In INTERNATIONAL JOURNAL OF MICROWAVE AND WIRELESS TECHNOLOGIES, 2018, vol. 10, no. 7, pp. 826-834., Registrované v: WOS
23. [1.1] ALI, Tanweer - BIRADAR, Rajshekar C. Design of three metasurface acting as left-handed material for reconfigurable antenna. In 2016 IEEE INTERNATIONAL CONFERENCE ON COMPUTATIONAL INTELLIGENCE AND COMPUTING RESEARCH. ISSN 2471-7851, 2016, vol., no., pp. 62-67., Registrované v: WOS
24. [1.1] ALI, Tanweer - BIRADAR, Rajashekhar. C. A COMPACT MULTIBAND ANTENNA USING $\lambda/4$ RECTANGULAR STUB LOADED WITH METAMATERIAL FOR IEEE 802.11N AND IEEE 802.16E. In MICROWAVE AND OPTICAL TECHNOLOGY LETTERS. ISSN 0895-2477, 2017, vol. 59, no. 5, pp. 1000-1006., Registrované v: WOS
25. [1.1] ALI, Tanweer - KHALEEQ, Mohammad Muzammil - PATHAN, Sameena - et al. A multiband antenna loaded with metamaterial and slots for GPS/WLAN/WiMAX applications. In MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, 2018, vol. 60, no. 1, pp. 79-85., Registrované v: WOS
26. [1.1] ALI, Tanweer - SAADH, Mohammad A. W. - BIRADAR, Rajashekhar C. A Compact Bandwidth Enhanced Antenna Loaded with SRR For WLAN/WiMAX/Satellite Applications. In ADVANCED ELECTROMAGNETICS, 2018, vol. 7, no. 4, pp. 78-84., Registrované v: WOS
27. [1.1] ALMPANIS, Evangelos - AMANOLLAHI, Mansoureh -

- ZAMANI, Mehdi. Controlling the transverse magneto-optical Kerr effect with near-zero refractive index bi-gyrotropic metamaterials. In OPTICAL MATERIALS. ISSN 0925-3467, 2020, vol. 99, 109539., Registrované v: WOS
28. [1.1] ALMUTAIRI, Ali F. - ISLAM, Mohammad Shahidul - SAMSUZZAMAN, Md. - ISLAM, Md. Tarikul - MISRAN, Norbahiah - ISLAM, Mohammad Tariqul. A complementary split ring resonator based metamaterial with effective medium ratio for C-band microwave applications. In RESULTS IN PHYSICS. ISSN 2211-3797, 2019, vol. 15, 102675., Registrované v: WOS
29. [1.1] ALQADAMI, Abdulrahman S. M. - JAMLOS, Mohd F. - ISLAM, Imtiaz - SOH, Ping J. - MAMAT, Rizalman - KHAIRI, Khairil A. - NARBUDOWICZ, Adam. Multi-Band Antenna Array Based on Double Negative Metamaterial for Multi Automotive Applications. In PROGRESS IN ELECTROMAGNETICS RESEARCH-PIER. ISSN 1559-8985, 2017, vol. 159, pp. 27-37., Registrované v: WOS
30. [1.1] ALQADAMI, Abdulrahman S. M. - MOHAMMED, Beadaa - BIALKOWSKI, Konstanty S - et al. Fabrication and Characterization of Flexible Polymer Iron Oxide Composite Substrate for the Imaging Antennas of Wearable Head Imaging Systems. In IEEE ANTENNAS AND WIRELESS PROPAGATION LETTERS, 2018, vol. 17, no. 8, pp. 1364-1368., Registrované v: WOS
31. [1.1] AL-BEHADILI, Amer Abbood - PETRESCU, Teodor. Determination of Transmission Zero Frequency for Complementary Split-Ring Resonator/Split-Ring Resonator Unit Cells from Effective Permittivity and Permeability. In 2019 11TH INTERNATIONAL SYMPOSIUM ON ADVANCED TOPICS IN ELECTRICAL ENGINEERING (ATEE). ISSN 1843-8571, 2019., Registrované v: WOS
32. [1.1] ANDRYIEUSKI, A. - KUZNETSOVA, S. M. - LAVRINENKO, A. V. Applicability of point-dipoles approximation to all-dielectric metamaterials. In PHYSICAL REVIEW B. ISSN 2469-9950, 2015, vol. 92, no. 3, 035114., Registrované v: WOS
33. [1.1] ANILA, P. - SARIN, V. P. - MANOJ, M. - REMSHA, M. - MOHANAN, P. Broadband non-resonant split ring resonator-based artificial high dielectric substrate. In AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS. ISSN 1434-8411, 2020, vol. 117, 153095., Registrované v: WOS
34. [1.1] ANWAR, Shahzad - LI, Sucheng - LI, Shuo - DUAN, Qian - LU, Weixin - HOU, Bo. Topology-induced, strongly diamagnetic response of hollow structured metals at broadband microwave frequencies. In APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING. ISSN 0947-8396, 2015, vol. 121, no. 3, pp. 1061., Registrované v: WOS
35. [1.1] AO, Tianhong - XU, Xiangdong - GU, Yu - et al. A tunable Fabry-Perot filter ($\lambda/18$) based on all-dielectric metamaterials. In OPTICS COMMUNICATIONS, 2018, vol. 414, pp. 160-165., Registrované v: WOS
36. [1.1] APOLLONI, F. - OLIVERI, G. - VIANI, F. - MASSA, A. A System-by-Design Approach for the Synthesis of Metamaterial Printed WAIMs. In 2015 IEEE INTERNATIONAL SYMPOSIUM ON ANTENNAS AND PROPAGATION & USNC/URSI NATIONAL RADIO SCIENCE MEETING. ISSN 1522-3965, 2015, vol., no., pp. 1032., Registrované v: WOS
37. [1.1] ASANO, Kosei - NAKASHA, Tomoyuki - WAKATSUCHI, Hiroki. Simplified equivalent circuit approach for designing time-domain

- responses of waveform-selective metasurfaces. In APPLIED PHYSICS LETTERS. ISSN 0003-6951, 2020, vol. 116, no. 17., Registrované v: WOS
38. [1.1] ASKARI, Meisam - HUTCHINS, David A. - THOMAS, Peter J. - ASTOLFI, Lorenzo - WATSON, Richard L. - ABDI, Meisam - RICCI, Marco - LAURETI, Stefano - NIE, Luzhen - FREEAR, Steven - WILDMAN, Ricky - TUCK, Christopher - CLARKE, Matt - WOODS, Emma - CLARE, Adam T. Additive manufacturing of metamaterials: A review. In ADDITIVE MANUFACTURING. ISSN 2214-8604, 2020, vol. 36, 101562., Registrované v: WOS
39. [1.1] ASKARI, M. - ZAKERY, A. Effects of multi-layer stacking along the propagation direction of an infrared metamaterial on the electromagnetic response of the structure. In OPTIK. ISSN 0030-4026, 2016, vol. 127, no. 3, pp. 1408-1413., Registrované v: WOS
40. [1.1] ASTORINO, Maria Denise - FREZZA, Fabrizio - TEDESCHI, Nicola. Narrow-Band and Dual-Band Metamaterial Absorbers in the THz Regime. In 2016 URSI INTERNATIONAL SYMPOSIUM ON ELECTROMAGNETIC THEORY (EMTS). ISSN 2163-405X, 2016, vol., no., pp. 34-37., Registrované v: WOS
41. [1.1] ASTORINO, M.D. - FREZZA, F. - TEDESCHI, N. Ultra-thin narrow-band, complementary narrow-band, and dual-band metamaterial absorbers for applications in the THz regime. In JOURNAL OF APPLIED PHYSICS, 2017, vol. 121, no. 6, 063103., Registrované v: WOS
42. [1.1] ATORF, Bernhard - MUEHLENBERND, Holger - ZENTGRAF, Thomas - KITZEROW, Heinz. All-optical switching of a dye-doped liquid crystal plasmonic metasurface. In OPTICS EXPRESS. ISSN 1094-4087, 2020, vol. 28, no. 6, pp. 8898-8908., Registrované v: WOS
43. [1.1] AZIZ, Asad - ZHANG, Hao Chi - HE, Pie Hang - TANG, Wen Xuan - REN, Yi - MADNI, Hamza Ahmad - CUI, Tie Jun. Multiple band-rejection filters in dual-frequency bands based on spoof surface plasmon polaritons. In JOURNAL OF OPTICS. ISSN 2040-8978, 2020, vol. 22, no. 1, 015001., Registrované v: WOS
44. [1.1] AZIZ, Rao Shahid - KIM, Tae-Wan - PARK, Jae-Seok - RYU, Young-Ho - PARK, Seong-Ook. EM lens design using thin planar metasurfaces for high antenna gain and low SLL applications. In IET MICROWAVES ANTENNAS & PROPAGATION. ISSN 1751-8725, 2019, vol. 13, no. 7, pp. 950-958., Registrované v: WOS
45. [1.1] BAEV, Alexander - PRASAD, Paras N. - AGREN, Hans - SAMOC, Marek - WEGENER, Martin. Metaphotonics: An emerging field with opportunities and challenges. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, 2015, vol. 594, no., pp. 1., Registrované v: WOS
46. [1.1] BAI, Yang - JIANG, Yongyuan - LIU, Linhua. Multi-band near-field radiative heat transfer between two anisotropic fishnet metamaterials. In JOURNAL OF QUANTITATIVE SPECTROSCOPY & RADIATIVE TRANSFER. ISSN 0022-4073, 2015, vol. 158, no., pp. 36., Registrované v: WOS
47. [1.1] BAO DI - SHEN XIAO-PENG - CUI TIE-JUN. Progress of terahertz metamaterials. In ACTA PHYSICA SINICA. ISSN 1000-3290, 2015, vol. 64, no. 22., Registrované v: WOS
48. [1.1] BAO, Yang - SONG, Jiming. Modeling of Layered Anisotropic

- Composite Material Based on Effective Medium Theory. In Conference: 44th Annual Conference on Review of Progress in Quantitative Nondestructive Evaluation (QNDE), vol. 37, Book Series: AIP Conference Proceedings, 2018, vol. 1949, UNSP 130009., Registrované v: WOS
49. [1.1] BAO, Yang - SONG, Jiming. Modeling of Multilayered Anisotropic Media Using Effective Medium Theory. In 2016 IEEE ANTENNAS AND PROPAGATION SOCIETY INTERNATIONAL SYMPOSIUM. ISSN 1522-3965, 2016, vol., no., pp. 2097-2098., Registrované v: WOS
50. [1.1] BAO, Zhiyu - TANG, Yang - HU, Zheng-Da - ZHANG, Chengliang - BALMAKOU, Aliaksei - KHAKHOMOV, Sergei - SEMCHENKO, Igor - WANG, Jicheng. Inversion Method Characterization of Graphene-Based Coordination Absorbers Incorporating Periodically Patterned Metal Ring Metasurfaces. In NANOMATERIALS, 2020, vol. 10, no. 6, 1102., Registrované v: WOS
51. [1.1] BARRETT, J.P. In PROGRESS IN ELECTROMAGNETICS RESEARCH-PIER, 2016, vol. 157, pp. 49., Registrované v: WOS
52. [1.1] BARZEGAR-PARIZI, Saeedeh - REJAEI, Behzad. An Exact Method for the Extraction of Effective Bulk and Surface Parameters of Periodic Artificial Media. In IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION. ISSN 0018-926X, 2015, vol. 63, no. 6, pp. 2521., Registrované v: WOS
53. [1.1] BEHERA, Bikash Ranjan - SURAJ, Priyadarshi. Effect of Substrates on Metamaterial Based Antenna Design and Analysis of Antenna using Different Substrates. In PROCEEDINGS OF THE 2016 IEEE INTERNATIONAL CONFERENCE ON WIRELESS COMMUNICATIONS, SIGNAL PROCESSING AND NETWORKING (WISPNET), 2016, vol., no., pp. 665-669., Registrované v: WOS
54. [1.1] BECHAREF, Kada - ABES, Turkiya - NOURI, Keltouma. DESIGN OF BANDPASS FILTERS BASED ON METAMATERIALS. In 2019 INTERNATIONAL CONFERENCE ON ADVANCED ELECTRICAL ENGINEERING (ICAEE), 2019., Registrované v: WOS
55. [1.1] BECHAREF, Kada - NOURI, Keltoum - BOUAZZA, Boubakar Seddik - et al. Design of Array CSRRs Band-Stop Filter. In ARTIFICIAL INTELLIGENCE IN RENEWABLE ENERGETIC SYSTEMS: SMART SUSTAINABLE ENERGY SYSTEMS, Book Series: Lecture Notes in Networks and Systems, 2018, vol. 35, pp. 87-98., Registrované v: WOS
56. [1.1] BECHAREF, Kada - NOURI, Keltouma - KANDOUCCI, Habib - BOUAZZA, Boubakar Seddik - DAMOU, Mehdi - BOUAZZA, Tayeb Habib Chawki. Design and Simulation of a Broadband Bandpass Filter Based on Complementary Split Ring Resonator Circular "CSRRs". In WIRELESS PERSONAL COMMUNICATIONS. ISSN 0929-6212, 2020, vol. 111, no. 3, pp. 1341-1354., Registrované v: WOS
57. [1.1] BEILINA, Larisa - CRISTOFOL, Michel - NIINIMAKI, Kati. OPTIMIZATION APPROACH FOR THE SIMULTANEOUS RECONSTRUCTION OF THE DIELECTRIC PERMITTIVITY AND MAGNETIC PERMEABILITY FUNCTIONS FROM LIMITED OBSERVATIONS. In INVERSE PROBLEMS AND IMAGING. ISSN 1930-8337, 2015, vol. 9, no. 1, pp. 1., Registrované v: WOS
58. [1.1] BEILINA, Larisa - HOSSEINZADEGAN, Samar. An adaptive finite element method in reconstruction of coefficients in Maxwell's equations

- from limited observations. In APPLICATIONS OF MATHEMATICS. ISSN 0862-7940, 2016, vol. 61, no. 3, pp. 253-286., Registrované v: WOS
59. [1.1] BELLO, Frank - O'BRIEN, Stephen - McCLOSKEY, David M. - et al. Designing thin-film metamaterials by tuning effective ENZ behavior. In Conference: 18th International Conference on Numerical Simulation of Optoelectronic Devices (NUSOD), Book Series: International Conference on Numerical Simulation of Optoelectronic Devices, 2018, pp. 43-44., Registrované v: WOS
60. [1.1] BELOKOPYTOV, G.V. et al. The effect of statistical variance. In PHYSICS OF WAVE PHENOMENA, 2015, vol. 23, p. 39-45., Registrované v: WOS
61. [1.1] BENSON, M. R. - KNISELY, A. G. - MARCINIAK, M. A. - SEAL, M. D. - URBAS, A. M. Permittivity and Permeability Tensor Extraction Technique for Arbitrary Anisotropic Materials. In IEEE PHOTONICS JOURNAL. ISSN 1943-0655, 2015, vol. 7, no. 3, 2600613., Registrované v: WOS
62. [1.1] BENZAOUIA, Mohammed - TOKIC, Grgur - MILLER, Owen D. - YUE, Dick K. P. - JOHNSON, Steven G. From Solar Cells to Ocean Buoys: Wide-Bandwidth Limits to Absorption by Metaparticle Arrays. In PHYSICAL REVIEW APPLIED. ISSN 2331-7019, 2019, vol. 11, no. 3, 034033., Registrované v: WOS
63. [1.1] BERRY, Eric A. - RUMPF, Raymond C. Generating Spatially-Variant Metamaterial Lattices Designed from Spatial Transforms. In PROGRESS IN ELECTROMAGNETICS RESEARCH M, 2020, vol. 92, pp. 103-113., Registrované v: WOS
64. [1.1] BHATTARAI, K. - SILVA, S. - SONG, K. - et al. Metamaterial perfect absorber analyzed by meta-cavity model consisting of multilayer metasurfaces. In SCIENTIFIC REPORTS, 2017, vol. 7, 10569., Registrované v: WOS
65. [1.1] BI, Ke - ZENG, Lingyu - CHEN, Hao - FANG, Chang - WANG, Qingmin - LEI, Ming. Magnetic coupling effect of Mie resonance-based metamaterial with inclusion of split ring resonators. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2015, vol. 646, no., pp. 680., Registrované v: WOS
66. [1.1] BI, K. - HUANG, K. - ZENG, L. Y. - ZHOU, M. H. - WANG, Q. M. - WANG, Y. G. - LEI, M. Tunable Dielectric Properties of Ferrite-Dielectric Based Metamaterial. In PLOS ONE. ISSN 1932-6203, 2015, vol. 10, no. 5, e0127331., Registrované v: WOS
67. [1.1] BOBOWSKI, J. S. Probing split-ring resonator permeabilities with loop-gap resonators. In CANADIAN JOURNAL OF PHYSICS, 2018, vol. 96, no. 8, pp. 878-886., Registrované v: WOS
68. [1.1] BOOPATHI RANI, R. - PANDEY, S. K. A CPW-FED CIRCULAR PATCH ANTENNA INSPIRED BY REDUCED GROUND PLANE AND CSRR SLOT FOR UWB APPLICATIONS WITH NOTCH BAND. In MICROWAVE AND OPTICAL TECHNOLOGY LETTERS. ISSN 0895-2477, 2017, vol. 59, no. 4, pp. 745-749., Registrované v: WOS
69. [1.1] BOUTHINON, B. - CLERC, R. - VERILHAC, J. M. - et al. On the front and back side quantum efficiency differences in semi-transparent organic solar cells and photodiodes. In JOURNAL OF APPLIED PHYSICS, 2018, vol. 123, no. 12, 125501., Registrované v: WOS

70. [1.1] BRIZI, Danilo - STANG, John Patrick - MONORCHIO, Agostino - LAZZI, Gianluca. A Compact Magnetically Dispersive Surface for Low-Frequency Wireless Power Transfer Applications. In IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION. ISSN 0018-926X, 2020, vol. 68, no. 3, pp. 1887-1895., Registrované v: WOS
71. [1.1] BURGNIES, L. - COCHRANE, C. - RAULT, F. - SADAUNE, V. - LHEURETTE, E. - KONCAR, V. - LIPPENS, D. Experimental phase-advance in woven textile metasurface. In APPLIED PHYSICS LETTERS. ISSN 0003-6951, 2015, vol. 107, no. 20, 203505., Registrované v: WOS
72. [1.1] BURGNIES, L. - LHEURETTE, E. - LIPPENS, D. Textile inspired flexible metamaterial with negative refractive index. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2015, vol. 117, no. 14, 144506., Registrované v: WOS
73. [1.1] BYRNE, Benedikt - CAPET, Nicolas. Compact 3D Printed Antenna Technology for Nanosat/Cubesat Applications. In 2019 13TH EUROPEAN CONFERENCE ON ANTENNAS AND PROPAGATION (EUCAP). ISSN 2164-3342, 2019., Registrované v: WOS
74. [1.1] CAMPIONE, Salvatore - CAPOLINO, Filippo. Electromagnetic coupling and array packing induce exchange of dominance on complex modes in 3D periodic arrays of spheres with large permittivity. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS. ISSN 0740-3224, 2016, vol. 33, no. 2, pp. 261-270., Registrované v: WOS
75. [1.1] CAO, Ai-Li - ZHANG, Kun - ZHANG, Jia-Rui - LIU, Yan - KONG, Wei-Jin. Actively tunable polarization-sensitive multiband absorber based on graphene*. In CHINESE PHYSICS B. ISSN 1674-1056, 2020, vol. 29, no. 11, 114205., Registrované v: WOS
76. [1.1] CAO, H. In OPTICS COMMUNICATIONS, 2016, vol. 381, pp. 48., Registrované v: WOS
77. [1.1] CAO, Cheng - CHEN, Lei - ZHU, Zhongbo - YANG, Yanbin - HUANGFU, Jiangtao - QIAO, Shan - YE, Dexin. Homogenization of artificial media with a transmission line approach. In APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING. ISSN 0947-8396, 2020, vol. 126, no. 3., Registrované v: WOS
78. [1.1] CAO, Cheng - YE, Dexin - HANGFU, Jiangtao - QIAO, Shan - LI, Changzhi - RAN, Lixin. Ultra Sub-wavelength Gigahertz Resonator for Constructing Silicon-substrate Metamaterials. In 2017 IEEE 17TH TOPICAL MEETING ON SILICON MONOLITHIC INTEGRATED CIRCUITS IN RF SYSTEMS (SIRF), 2017, pp. 76-78., Registrované v: WOS
79. [1.1] CAO, Pengfei - WU, Yuyao - WANG, Zelong - LI, Yuan - ZHANG, Jing - LIU, Qiang - CHENG, Lin - NIU, Tiaoming. Tunable Dual-Band Ultrasensitive Stereo Metamaterial Terahertz Sensor. In IEEE ACCESS. ISSN 2169-3536, 2020, vol. 8, pp. 219525-219533., Registrované v: WOS
80. [1.1] CAO, Tun - WEI, Chenwei - CRYAN, Martin J. Low-loss dual-band double-negative chirped metamaterial. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS. ISSN 0740-3224, 2015, vol. 32, no. 1, pp. 108., Registrované v: WOS
81. [1.1] CAO, Tun - WEI, Chenwei - MAO, Libang. Ultrafast tunable chirped phase-change metamaterial with a low power. In OPTICS EXPRESS. ISSN 1094-4087, 2015, vol. 23, no. 4, pp. 4092., Registrované v: WOS
82. [1.1] CEM HASAR, Ugur - OZTURK, Gokhan - ERTUGUL,

- Mehmet. Sign-ambiguity-free retrieval of electromagnetic properties of bianisotropic metamaterials. In WAVES IN RANDOM AND COMPLEX MEDIA. ISSN 1745-5030, 2020., Registrované v: WOS
83. [1.1] CIATTONI, Alessandro - RAGO, Domenico - RIZZA, Carlo. Separable metamaterials: analytical ab-initio homogenization and chirality. In JOURNAL OF OPTICS. ISSN 2040-8978, 2016, vol. 18, no. 11, pp., Registrované v: WOS
84. [1.1] CIATTONI, A. Nonlocal homogenization theory. In PHYSICAL REVIEW B, 2015, vol. 91, 184207., Registrované v: WOS
85. [1.1] COHEN, Doron - SHAVIT, Reuven. Bi-anisotropic Metamaterials Effective Constitutive Parameters Extraction Using Oblique Incidence S-Parameters Method. In IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION. ISSN 0018-926X, 2015, vol. 63, no. 5, pp. 2071., Registrované v: WOS
86. [1.1] CORREA, Diego C. - RESENDE, Ursula C. - BICALHO, Fabiano S. Experiments With a Compact Wireless Power Transfer System Using Strongly Coupled Magnetic Resonance and Metamaterials. In IEEE TRANSACTIONS ON MAGNETICS. ISSN 0018-9464, 2019, vol. 55, no. 8, 8401904., Registrované v: WOS
87. [1.1] CUI, Tie Jun - LIU, Shuo - ZHANG, Lei. Information metamaterials and metasurfaces. In JOURNAL OF MATERIALS CHEMISTRY C. ISSN 2050-7526, 2017, vol. 5, no. 15, pp. 3644-3668., Registrované v: WOS
88. [1.1] DAI, Ouzhixiong - HE, Juntao - LING, Junpu - et al. A novel L-band slow wave structure for compact and high-efficiency relativistic Cerenkov oscillator. In PHYSICS OF PLASMAS, 2018, vol. 25, no. 9, 093103., Registrované v: WOS
89. [1.1] DALAL, Reena - KALRA, Yogita - SINHA, R. K. Mie resonance in the arrays of dielectric rods in air. In METAMATERIALS, METADEVICES, AND METASYSTEMS 2015. ISSN 0277-786X, 2015, vol. 9544, 95442X., Registrované v: WOS
90. [1.1] DAWAR, Parul - RAGHAVA, N. S. - DE, Asok. UWB Metamaterial-Loaded Antenna for C-Band Applications. In INTERNATIONAL JOURNAL OF ANTENNAS AND PROPAGATION. ISSN 1687-5869, 2019, 6087039., Registrované v: WOS
91. [1.1] DEHGHAN, Mehdi - MORAVVEJ-FARSHI, Mohammad Kazem - GHAFARI-MIAB, Mohsen - JABBARI, Masoud - DARVISH, Ghafar. Ultra-compact Spatial Terahertz Switch Based on Graphene Plasmonic-Coupled Waveguide. In PLASMONICS. ISSN 1557-1955, 2019, vol. 14, no. 6, pp. 1335-1345., Registrované v: WOS
92. [1.1] DEHGHAN-BANADAKI, Mohsen - HEIDARI, Abbas Ali - NAKHKASH, Mansor. Hybrid absorber with carbon black composite and metamaterial structure. In IET MICROWAVES ANTENNAS & PROPAGATION. ISSN 1751-8725, 2020, vol. 14, no. 13, pp. 1566-1572., Registrované v: WOS
93. [1.1] DENG, Honglang - CHAN, Mansun - ZHOU, Shaolin. Terahertz broadband band-stop filter based on metasurface. In 2019 IEEE INTERNATIONAL CONFERENCE ON ELECTRON DEVICES AND SOLID-STATE CIRCUITS (EDSSC), 2019., Registrované v: WOS
94. [1.1] DI CESARE, N. In ADVANCES IN ENGINEERING SOFTWARE, 2016, vol. 101, pp. 149., Registrované v: WOS

95. [1.1] DINCER, Furkan - KARAASLAN, Muharrem - AKGOL, Oguzhan - UNAL, Emin - SABAH, Cumali. Dynamic and tunable chiral metamaterials with wideband constant chirality over a certain frequency band. In OPTIK. ISSN 0030-4026, 2015, vol. 126, no. 24, pp. 4808., Registrované v: WOS
96. [1.1] DING, Tongyu - YI, Jianjia - LI, Haoyu - ZHANG, Hailin - BUROKUR, Shah Nawaz. 3D field-shaping lens using alldielectric gradient refractive index materials. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2017, vol. 7, 782., Registrované v: WOS
97. [1.1] DONG, Y. In IEEE 2ND ANNUAL SOUTHERN POWER ELECTRONICS CONFERENCE (SPEC), 2016., Registrované v: WOS
98. [1.1] DOSSOU, Kokou B. - POULTON, Christopher G. - BOTTEN, Lindsay C. Effective impedance modeling of metamaterial structures. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA A-OPTICS IMAGE SCIENCE AND VISION. ISSN 1084-7529, 2016, vol. 33, no. 3, pp. 361-372., Registrované v: WOS
99. [1.1] DROULIAS, Sotiris - KOSCHNY, Thomas - KAFESAKI, Maria - SOUKOULIS, Costas M. On loss compensation, amplification and lasing in metallic metamaterials. In NANOMATERIALS AND NANOTECHNOLOGY. ISSN 1847-9804, 2019, vol. 9, 1847980418817947., Registrované v: WOS
100. [1.1] DUAN, Guangwu - SCHALCH, Jacob - ZHAO, Xiaoguang - LI, Aobo - CHEN, Chunxu - AVERITT, Richard D. - ZHANG, Xin. A survey of theoretical models for terahertz electromagnetic metamaterial absorbers. In SENSORS AND ACTUATORS A-PHYSICAL. ISSN 0924-4247, 2019, vol. 287, pp. 21-28., Registrované v: WOS
101. [1.1] DU, B. - XU, Z. - WANG, J. - et al. Temperature tuning mie resonance-based all-dielectric metamaterial. In JOURNAL OF ELECTRONIC MATERIALS, 2017, vol. 46, no. 1, pp. 609 - 615., Registrované v: WOS
102. [1.1] EMIROGLU, C.D. In IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, 2016, vol. 64, pp. 5220., Registrované v: WOS
103. [1.1] ERRIFI, Hayat - BAGHDAD, Abdennaceur - BADRI, Abdelmajid - SAHEL, Aicha. Directive Beam-Steering Patch Antenna Using Adjustable Metamaterial Superstrate. In ADVANCES IN UBIQUITOUS NETWORKING. ISSN 1876-1100, 2016, vol. 366, no., pp. 183-194., Registrované v: WOS
104. [1.1] ESKANDARI, H. - MAJEDI, M. S. - ATTARI, A. R. Non-reflecting non-magnetic homogeneous polarization splitter and polarization deflector design based on transformation electromagnetics. In OPTIK, 2017, vol. 135, pp. 407 - 416., Registrované v: WOS
105. [1.1] ESKANDARI, H. - MAJEDI, M. S. - ATTARI, A. R. Non-reflecting non-magnetic homogeneous polarization splitter and polarization deflector design based on transformation electromagnetics, In OPTIK, 2017, vol. 135, pp. 407-416., Registrované v: WOS
106. [1.1] FAIRBANKS, Andrew J. - DARR, Adam M. - GARNER, Allen L. A Review of Nonlinear Transmission Line System Design. In IEEE ACCESS. ISSN 2169-3536, 2020, vol. 8, pp. 148606-148621., Registrované v: WOS
107. [1.1] FANG, Bo - HAN, Shuang - XIE, Jingwen - LI, Chenxia - HONG, Zhi - JING, Xufeng. Realization of broadband terahertz reflector by

- all-dielectric monolayer grating. In OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS. ISSN 1842-6573, 2019, vol. 13, no. 3-4, pp. 175-181., Registrované v: WOS
108. [1.1] FANG, Bo - CHEN, Lin - DENG, Yuqiang - et al. Numerical investigation of terahertz polarization-independent multiband ultrahigh refractive index metamaterial by bilayer metallic rectangular ring structure. In RSC ADVANCES, 2018, vol. 8, no. 40, pp. 22361-22369., Registrované v: WOS
109. [1.1] FANG, Bo - LI, Boya - PENG, Yandong - LI, Chenxia - HONG, Zhi - JING, Xufeng. Polarization-independent multiband metamaterials absorber by fundamental cavity mode of multilayer microstructure. In MICROWAVE AND OPTICAL TECHNOLOGY LETTERS. ISSN 0895-2477, 2019, vol. 61, no. 10, pp. 2385-2391., Registrované v: WOS
110. [1.1] FANG, Bo - LI, Chenxia - PENG, Yandong - JING, Xufeng. Broadband terahertz reflector through electric and magnetic resonances by all dielectric cylinder microstructure. In MICROWAVE AND OPTICAL TECHNOLOGY LETTERS. ISSN 0895-2477, 2019, vol. 61, no. 6, pp. 1634-1639., Registrované v: WOS
111. [1.1] FANG, Bo - WANG, Xiaoyue - HUANG, Biquan - JING, Xufeng. Splitting resonance phenomenon of electromagnetic coupling effect for barium strontium titanate dielectric micro-spheres. In OPTIK. ISSN 0030-4026, 2019, vol. 179, pp. 787-795., Registrované v: WOS
112. [1.1] FANG, Kai - CHEN, Hongzhong - LI, Yunhui - ZHAO, Junfei - WANG, Quan - ZHANG, Yewen. Designing of Extremely Subwavelength Epsilon-negative Metamaterials. In 2016 10TH INTERNATIONAL CONGRESS ON ADVANCED ELECTROMAGNETIC MATERIALS IN MICROWAVES AND OPTICS (METAMATERIALS), 2016, vol., no., pp. 109-111., Registrované v: WOS
113. [1.1] FAN, Yuancheng - SHEN, Nian-Hai - KOSCHNY, Thomas - SOUKOULIS, Costas M. Tunable Terahertz Meta-Surface with Graphene Cut-Wires. In ACS PHOTONICS. ISSN 2330-4022, 2015, vol. 2, no. 1, pp. 151., Registrované v: WOS
114. [1.1] FENG, Jia-Qi - HU, Wei-Dong - ZHANG, Qing-Le - ZONG, Hua - HUANG, Hui - JIN, Yu-Ting - WU, Yu-Ming - XU, Zhan - LV, Xin - SI, Li-Ming. Polarization-Independent and Angle-Insensitive Metamaterial Absorber Using 90-Degree-Rotated Split-Ring Resonators. In INTERNATIONAL JOURNAL OF ANTENNAS AND PROPAGATION. ISSN 1687-5869, 2015, 240691., Registrované v: WOS
115. [1.1] FERRANTI, F. In ELECTRONICS LETTERS, 2016, vol. 52, pp. 1191., Registrované v: WOS
116. [1.1] FIRESTEIN, Chen - SHAVIT, Reuven. Effective electrical parameters evaluation for non-dispersive metamaterials with highly interaction fields. In IET MICROWAVES ANTENNAS & PROPAGATION. ISSN 1751-8725, 2019, vol. 13, no. 8, pp. 1151-1157., Registrované v: WOS
117. [1.1] FLAMANT, Quentin - TORRENT, Daniel - GOMEZ-GRANA, Sergio - GRIGORENKO, Alexander N. - KRAVETS, Vasyl G. - BAROIS, Philippe - PONSINET, Virginie - BARON, Alexandre. Direct retrieval method of the effective permittivity and permeability of bulk semi-infinite metamaterials by variable-angle spectroscopic ellipsometry. In OSA CONTINUUM. ISSN 2578-7519, 2019, vol. 2, no. 5, pp. 1762-1772., Registrované v: WOS
118. [1.1] GAMEZ RODRIGUEZ, Erik Saturnino - RAMRAKHYANI,

Anil Kumar - SCHURIG, David - LAZZI, Gianluca. Compact Low-Frequency Metamaterial Design for Wireless Power Transfer Efficiency Enhancement. In IEEE TRANSACTIONS ON MICROWAVE THEORY AND TECHNIQUES. ISSN 0018-9480, 2016, vol. 64, no. 5, pp. 1644-1654., Registrované v: WOS 119. [1.1] GAN, Zheng - TU, Zhi-Hong - XIE, Ze-Ming. Pattern-Reconfigurable Unidirectional Dipole Antenna Array Fed by SIW Coupler for Millimeter Wave Application. In IEEE ACCESS, 2018, vol. 6, pp. 22401-22407., Registrované v: WOS 120. [1.1] GAN, Zheng - TU, Zhi-Hong - YAO, Yule. Gain Enhancement for Micro strip Antenna with Zero-Index Metamaterial. In 2016 IEEE INTERNATIONAL CONFERENCE ON UBIQUITOUS WIRELESS BROADBAND (ICUWB2016), 2016, vol., no., pp., Registrované v: WOS 121. [1.1] GAO, Nan - ZHOU, Si - LIU, Nanshu - et al. Selecting electrode materials for monolayer ReS₂ with an Ohmic contact. In JOURNAL OF MATERIALS CHEMISTRY C, 2018, vol. 6, no. 25, pp. 6764-6770., Registrované v: WOS 122. [1.1] GAO, P. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B, 2016, vol. 33, pp. 474., Registrované v: WOS 123. [1.1] GARCIA-MARIN, Eduardo - FILIPOVIC, Dejan S. - MASA-CAMPOS, Jose Luis - SANCHEZ-OLIVARES, Pablo. Low-cost lens antenna for 5G multi-beam communication. In MICROWAVE AND OPTICAL TECHNOLOGY LETTERS. ISSN 0895-2477, 2020, vol. 62, no. 11, pp. 3611-3622., Registrované v: WOS 124. [1.1] GARCIA-MARIN, E. - FILIPOVIC, D. S. - MASA-CAMPOS, J. L. - SANCHEZ-OLIVARES, P. Ka-band Multi-beam Planar Lens Antenna for 5G Applications. In 2020 14TH EUROPEAN CONFERENCE ON ANTENNAS AND PROPAGATION (EUCAP 2020). ISSN 2164-3342, 2020., Registrované v: WOS 125. [1.1] GARNER, Allen L. - PARKER, Gregory J. - SIMONE, Davide L. Accounting for Conducting Inclusion Permeability in the Microwave Regime in a Modified Generalized Effective Medium Theory. In IEEE TRANSACTIONS ON DIELECTRICS AND ELECTRICAL INSULATION. ISSN 1070-9878, 2015, vol. 22, no. 4, pp. 2064., Registrované v: WOS 126. [1.1] GARNER, Allen L. - PARKER, Gregory J. - SIMONE, Davide L. A Semi-Empirical Approach for Predicting the Performance of Multiphase Composites at Microwave Frequencies. In IEEE TRANSACTIONS ON DIELECTRICS AND ELECTRICAL INSULATION. ISSN 1070-9878, 2016, vol. 23, no. 2, pp. 1126-1134., Registrované v: WOS 127. [1.1] GAUFILLET, Fabian - MARCELLIN, Simon - AKMANISOY, Eric. Dielectric Metamaterial-Based Gradient Index Lens in the Terahertz Frequency Range. In IEEE JOURNAL OF SELECTED TOPICS IN QUANTUM ELECTRONICS. ISSN 1077-260X, 2017, vol. 23, no. 4, 4700605., Registrované v: WOS 128. [1.1] GEVORGYAN, A. H. Absorption of 1D meta-liquids with continuum distribution of the refraction index. In OPTICAL MATERIALS. ISSN 0925-3467, 2020, vol. 100, 109649., Registrované v: WOS 129. [1.1] GEVORGYAN, A. H. - GHARAGULYAN, H. - MKHITARYAN, S. A. Peculiarities of band structure of one-dimensional photonic crystals. In OPTIK. ISSN 0030-4026, 2019, vol. 180, pp. 745-753., Registrované v: WOS

130. [1.1] GHAZAVI, Mina - SHOARINEJAD, Saeedeh. Magnetic response of a magnetic nanodoped ferroelectric liquid crystal near the isotropic-smectic C* phase transition. In JOURNAL OF MOLECULAR LIQUIDS. ISSN 0167-7322, 2019, vol. 290, UNSP 111179., Registrované v: WOS
131. [1.1] GILDAS, Felix - DAN, Yaping. Review of nanostructure color filters. In JOURNAL OF NANOPHOTONICS. ISSN 1934-2608, 2019, vol. 13, no. 2, 020901., Registrované v: WOS
132. [1.1] GILOAN, M. - GUTT, R. Optical negative index metamaterial based on hexagonal arrays of metallic meta-atoms with threefold rotational symmetry. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS. ISSN 0740-3224, 2016, vol. 33, no. 1, pp. 27-34., Registrované v: WOS
133. [1.1] GOFFI, Fatima Z. - MNASRI, Karim - PLUM, Michael - ROCKSTUHL, Carsten - KHRABUSTOVSKYI, Andrii. Towards more general constitutive relations for metamaterials: A checklist for consistent formulations. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 101, no. 19, 195411., Registrované v: WOS
134. [1.1] GONG, Zhi - YANG, Shiyu. One-dimensional stacking miniaturized low-frequency metamaterial bulk for near-field applications. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2020, vol. 127, no. 11, 114901., Registrované v: WOS
135. [1.1] GONG, Z. - WU, CH. - LI, Q - et al. A design of Functional layer with robust constitutive parameters for multilayer metamaterials. In ADVANCES IN MATERIALS SCIENCE AND ENGINEERING, 2017, 5038950., Registrované v: WOS
136. [1.1] GOSWAMI, A. - ARAVINDAN, S. - RAO, P. V. - YOSHINO, M. Structured Surfaces for Generation of Negative Index of Refraction. In CRITICAL REVIEWS IN SOLID STATE AND MATERIALS SCIENCES. ISSN 1040-8436, 2016, vol. 41, no. 5, pp. 367-385., Registrované v: WOS
137. [1.1] GOU, Jun - NIU, Qingchen - LIANG, Kai - et al. Frequency Modulation and Absorption Improvement of THz Micro-bolometer with Micro-bridge Structure by Spiral-Type Antennas. In NANOSCALE RESEARCH LETTERS, 2018, vol. 13, 74., Registrované v: WOS
138. [1.1] GRALAK, Boris. Negative index materials: at the frontier of macroscopic electromagnetism. In COMPTES RENDUS PHYSIQUE. ISSN 1631-0705, 2020, vol. 21, no. 4-5, pp. 343-366., Registrované v: WOS
139. [1.1] GRIC, Tatjana - HESS, Ortwin. Active Optical Metamaterials. In PHENOMENA OF OPTICAL METAMATERIALS, 2019, pp. 187-261., Registrované v: WOS
140. [1.1] GRIC, Tatjana - HESS, Ortwin. Types of Metamaterials. In PHENOMENA OF OPTICAL METAMATERIALS, 2019, pp. 1-39., Registrované v: WOS
141. [1.1] GRUSON, Yannick - GIORDANO, Vincent - ROHDE, Ulrich L. - PODDAR, Ajay K. - RUBIOLA, Enrico. Cross-Spectrum PM Noise Measurement, Thermal Energy, and Metamaterial Filters. In IEEE TRANSACTIONS ON ULTRASONICS FERROELECTRICS AND FREQUENCY CONTROL. ISSN 0885-3010, 2017, vol. 64, no. 3, pp. 634-642., Registrované v: WOS
142. [1.1] GRZESKIEWICZ, B. - SIERAKOWSKI, A. - MARCZEWSKI,

- J. - et al. SU-8 based planar metamaterials with fourfold symmetry as selective terahertz absorbers. In OPTO-ELECTRONICS REVIEW, 2018, vol. 26, no. 4, pp. 329-337., Registrované v: WOS
143. [1.1] GUI, Xincui - JING, Xufeng - LIU, Jianjun - et al. Broadband polarization-independent two-dimensionally isotropic ultrahigh index metamaterials. In INFRARED PHYSICS & TECHNOLOGY, 2018, vol. 89, pp. 174-180., Registrované v: WOS
144. [1.1] GUI, Xincui - JING, Xufeng - HONG, Zhi. Ultrabroadband Perfect Reflectors by All-Dielectric Single-Layer Super Cell Metamaterial. In IEEE PHOTONICS TECHNOLOGY LETTERS, 2018, vol. 30, no. 10, pp. 923-926., Registrované v: WOS
145. [1.1] GUI, Xincui - JING, Xufeng - ZHOU, Pengwei - et al. Terahertz multiband ultrahigh index metamaterials by bilayer metallic grating structure. In APPLIED PHYSICS B-LASERS AND OPTICS, 2018, vol. 124, no. 4, 68., Registrované v: WOS
146. [1.1] GUO Linyang - MA Xiaohui - ZOU Yonggang - et al. Wide-angle infrared metamaterial absorber with near-unity absorbance. In OPTICS AND LASER TECHNOLOGY, 2018, vol. 98, pp. 247-251., Registrované v: WOS
147. [1.1] GUO, B. S. - LOO, Y. L. - ONG, C. K. Polarization independent and tunable plasmonic structure for mimicking electromagnetically induced transparency in the reflectance spectrum. In JOURNAL OF OPTICS. ISSN 2040-8978, 2017, vol. 19, no. 10, 105101., Registrované v: WOS
148. [1.1] GUO, Yao - ZHAO, Jing - HOU, Quanwen - ZHAO, Xiaopeng. Broadband omnidirectional patch antenna with horizontal gain enhanced by near-zero-index metamaterial cover. In IET MICROWAVES ANTENNAS & PROPAGATION. ISSN 1751-8725, 2020, vol. 14, no. 7, pp. 671-676., Registrované v: WOS
149. [1.1] GUO, Yao - ZHAO, Jing - HOU, Quanwen - ZHAO, Xiaopeng. Omnidirectional broadband patch antenna with horizontal gain enhanced by epsilon-negative metamaterial superstrate. In MICROWAVE AND OPTICAL TECHNOLOGY LETTERS. ISSN 0895-2477, 2020, vol. 62, no. 2, pp. 778-788., Registrované v: WOS
150. [1.1] GUO, Ying - PAN, Feng - ZHAO, Gaoyang - REN, Yajie - YAO, Binbin - LI, Hong - LU, Jing. Sub-5 nm monolayer germanium selenide (GeSe) MOSFETs: towards a high performance and stable device. In NANOSCALE. ISSN 2040-3364, 2020, vol. 12, no. 28, pp. 15443-15452., Registrované v: WOS
151. [1.1] GUO, Zhiwei - JIANG, Haitao - CHEN, Hong. Hyperbolic metamaterials: From dispersion manipulation to applications. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2020, vol. 127, no. 7, 071101., Registrované v: WOS
152. [1.1] HAFEZIFARD, R. In INTERNATIONAL JOURNAL OF MICROWAVE A.WIRELESS TECHNOLOGIES, 2016, vol. 8, pp. 1253., Registrované v: WOS
153. [1.1] HAN Guiming. Design and measure of a tunable double-band metamaterial absorber in the THz spectrum. In MATERIALS RESEARCH EXPRESS, 2018, vol. 5, no. 4, 045803., Registrované v: WOS
154. [1.1] HANIF, M. - POKHAREL, R. K. - YOSHITOMI, K. - BARAKAT, Adel - ELSADEK, Hala. A Gain Enhanced 60 GHz CMOS

- Antenna-on-Chip Using Off-Chip Mu Near Zero Metamaterial Lens. In 2015 IEEE 4th Asia-Pacific Conference on Antennas and Propagation (APCAP), 2015, pp. 355., Registrované v: WOS
155. [1.1] HAN, Sang Eon. Suppression of infrared absorption in nanostructured metals by controlling Faraday inductance and electron path length. In OPTICS EXPRESS. ISSN 1094-4087, 2016, vol. 24, no. 3, pp. 2577-2589., Registrované v: WOS
156. [1.1] HAO, J. - NIEMIEC, R. - BURGNIES, L. - LHEURETTE, E. - LIPPENS, D. Broadband absorption through extended resonance modes in random metamaterials. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2016, vol. 119, no. 19, pp., Registrované v: WOS
157. [1.1] HASAN, Md. Mehedi - FARUQUE, Mohammad Rashed Iqbal - ISLAM, Mohammad Tariqul. Beam steering of eye shape metamaterial design on dispersive media by FDTD method. In INTERNATIONAL JOURNAL OF NUMERICAL MODELLING-ELECTRONIC NETWORKS DEVICES AND FIELDS, 2018. vol. 31, no. 5, e2319., Registrované v: WOS
158. [1.1] HASAR, Ugur Cem - BARROSO, Joaquim Jose - BULDU, Gul - BUTE, Musa - KAYA, Yunus - KARACALI, Tevhit - ERTUGRUL, Mehmet. Reference-Plane-Invariant Effective Thickness and Electromagnetic Property Determination of Isotropic Metamaterials Involving Boundary Effects. In IEEE JOURNAL OF SELECTED TOPICS IN QUANTUM ELECTRONICS. ISSN 1077-260X, 2015, vol. 21, no. 4, 4700211., Registrované v: WOS
159. [1.1] HASAR, Ugur Cem - BARROSO, Joaquim Jose - BUTE, Musa - MURATOGLU, Abdurrahim - ERTUGRUL, Mehmet. Boundary Effects on the Determination of Electromagnetic Properties of Bianisotropic Metamaterials From Scattering Parameters. In IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION. ISSN 0018-926X, 2016, vol. 64, no. 8, pp. 3459-3469., Registrované v: WOS
160. [1.1] HASAR, Ugur Cem - BULDU, Gul - KAYA, Yunus - et al. Determination of Effective Constitutive Parameters of Inhomogeneous Metamaterials With Bianisotropy. In IEEE TRANSACTIONS ON MICROWAVE THEORY AND TECHNIQUES, 2018, vol. 66, no. 8, pp. 3734-3744., Registrované v: WOS
161. [1.1] HASAR, Ugur Cem - MURATOGLU, Abdurrahim - BUTE, Musa - BARROSO, Joaquim Jose - ERTUGRUL, Mehmet. Effective Constitutive Parameters Retrieval Method for Bianisotropic Metamaterials Using Waveguide Measurements. In IEEE TRANSACTIONS ON MICROWAVE THEORY AND TECHNIQUES. ISSN 0018-9480, 2017, vol. 65, no. 5, pp. 1488-1497., Registrované v: WOS
162. [1.1] HASAR, Ugur Cem - OZTURK, Gokhan - BUTE, Musa - ERTUGRUL, Mehmet. Method for Electromagnetic Property Extraction of Sublayers in Metal-Backed Inhomogeneous Metamaterials. In IEEE ACCESS. ISSN 2169-3536, 2020, vol. 8, pp. 151705-151718., Registrované v: WOS
163. [1.1] HASAR, Ugur Cem - YILDIZ, Gul - BUTE, Musa - et al. Reference-plane-invariant waveguide method for electromagnetic characterization of bi-axial bianisotropic metamaterials. In SENSORS AND ACTUATORS A-PHYSICAL, 2018, vol. 283, pp. 141-150., Registrované v: WOS
164. [1.1] HASAR, Ugur Cem. Propagation Constant Measurement of Microwave Networks With Symmetric/Asymmetric Reflections. In IEEE

SENSORS JOURNAL, 2018, vol. 18, no. 12, pp. 4940-4946., Registrované v: WOS

165. [1.1] HASAR, Ugur C. - BARROSO, Joaquim J. - KARACALI, Tevhit - ERTUGRUL, Mehmet. Semi-Infinite Reflection Coefficients of Bi-Anisotropic Metamaterial Slabs Including Boundary Effects. In IEEE MICROWAVE AND WIRELESS COMPONENTS LETTERS. ISSN 1531-1309, 2015, vol. 25, no. 5, pp. 283., Registrované v: WOS

166. [1.1] HASAR, Ugur C. - BULDU, Gul - BARROSO, Joaquim J. Waveguide Method for Electromagnetic Parameter Extraction of Weakly Coupled Metamaterials. In IEEE MICROWAVE AND WIRELESS COMPONENTS LETTERS. ISSN 1531-1309, 2017, vol. 27, no. 9, pp. 851-853., Registrované v: WOS

167. [1.1] HASAR, U. C. Determination of full S-parameters of a low-loss two-port device from uncalibrated measurements. In REVIEW OF SCIENTIFIC INSTRUMENTS, 2018, vol. 89, no. 12, 124701., Registrované v: WOS

168. [1.1] HASAR, U. C. - BARROSO, J. J. - KARACALI, T. - ERTUGRUL, M. Reference-plane-invariant and thickness- and branch-index-independent retrieval of effective parameters of bi-anisotropic metamaterials. In AIP ADVANCES. ISSN 2158-3226, 2015, vol. 5, no. 1, 017123., Registrované v: WOS

169. [1.1] HASAR, U. C. - BULDU, G. - BUTE, M. - MURATOGLU, A. Calibration-free extraction of constitutive parameters of magnetically coupled anisotropic metamaterials using waveguide measurements. In REVIEW OF SCIENTIFIC INSTRUMENTS. ISSN 0034-6748, 2017, vol. 88, no. 10, 104702., Registrované v: WOS

170. [1.1] HASAR, U. C. - BULDU, G. - BUTE, M. - et al. Calibration-free extraction of constitutive parameters of magnetically coupled anisotropic metamaterials using waveguide measurements, In REVIEW OF SCIENTIFIC INSTRUMENTS, 2017, vol. 88, no. 10, 104702., Registrované v: WOS

171. [1.1] HASAR, U. C. - BUTE, M. - MURATOGLU, A. - BARROSO, J. J. - KARACALI, T. - ERTUGRUL, M. Constitutive Parameters Determination of Bi-anisotropic Metamaterials using a Waveguide Method. In 2015 SBMO/IEEE MTT-S INTERNATIONAL MICROWAVE AND OPTOELECTRONICS CONFERENCE (IMOC), 2015., Registrované v: WOS

172. [1.1] HAYATA, Tomoya. A new route to negative refractive index from topological metals. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS, 2018, no. 8, 083I01., Registrované v: WOS

173. [1.1] HAYATA, Tomoya. Negative refractive index in cubic noncentrosymmetric superconductors. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS. ISSN 2050-3911, 2019, no. 3, 033I01., Registrované v: WOS

174. [1.1] HEWITT, C. - ALVES, F. - LUSCOMBE, J. - et al. In JOURNAL OF APPLIED PHYSICS, 2018, vol. 123, no. 11., Registrované v: WOS

175. [1.1] HE, R. In PHYSICA E, 2016, vol. 84, pp. 135., Registrované v: WOS

176. [1.1] HE, Xin - JIE, Jinliang - YANG, Junbo - HAN, Yunxin - ZHANG, Sen. A Mid-Infrared Narrowband Absorber Based on a Subwavelength Fine-Structured Silicon-Gold Metagrating. In APPLIED SCIENCES-BASEL,

- 2019, vol. 9, no. 23, 5022., Registrované v: WOS
177. [1.1] HE, Xin - JIE, Jinliang - YANG, Junbo - HAN, Yunxin - ZHANG, Sen. Using fine-structured gratings to implement mid-infrared dual-band absorbers. In EUROPEAN PHYSICAL JOURNAL-APPLIED PHYSICS. ISSN 1286-0042, 2020, vol. 91, no. 2, 20501., Registrované v: WOS
178. [1.1] HE, Xin - JIE, Jinliang - YANG, Junbo - HAN, Yunxin - ZHANG, Sen. Spectral separation of surface-plasmon-polariton modes to achieve ultranarrow dual-band absorbers. In JOURNAL OF NANOPHOTONICS. ISSN 1934-2608, 2020, vol. 14, no. 2, 026020., Registrované v: WOS
179. [1.1] HE, Xin - JIE, Jinliang - YANG, Junbo - HAN, Yunxin - ZHANG, Sen. Asymmetric dielectric grating on metallic film enabled dual- and narrow-band absorbers. In OPTICS EXPRESS. ISSN 1094-4087, 2020, vol. 28, no. 4, pp. 4594-4602., Registrované v: WOS
180. [1.1] HE, Xunjun - YAO, Yuan - ZHU, Zhihan - et al. Active graphene metamaterial absorber for terahertz absorption bandwidth, intensity and frequency control. In OPTICAL MATERIALS EXPRESS, 2018, vol. 8, no. 4, pp. 1031-1042., Registrované v: WOS
181. [1.1] HE, Yingran - DING, Ning - ZHANG, Lingfei - ZHANG, Wenjing - DU, Biao. Short-Length and High-Aperture-Efficiency Horn Antenna Using Low-Loss Bulk Anisotropic Metamaterial. In IEEE ANTENNAS AND WIRELESS PROPAGATION LETTERS. ISSN 1536-1225, 2015, vol. 14, no., pp. 1642., Registrované v: WOS
182. [1.1] HE, Yuchu - ELEFThERIADES, George V. Anisotropic Metamaterial as an Antireflection Layer at Extreme Angles. In IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION. ISSN 0018-926X, 2017, vol. 65, no. 8, pp. 4102-4114., Registrované v: WOS
183. [1.1] HE, Zhengrui - GENG, Youlin. A Wideband Low-loss and Small Size Left-handed Metamaterial. In 2015 IEEE 16TH INTERNATIONAL CONFERENCE ON COMMUNICATION TECHNOLOGY (ICCT), 2015, vol., no., pp. 667., Registrované v: WOS
184. [1.1] HOLLOWAY, Christopher L. - KUESTER, Edward F. - HADDAB, Abdulaziz H. Retrieval Approach for Determining Surface Susceptibilities and Surface Porosities of a Symmetric Metascreen from Reflection and Transmission Coefficients. In PROGRESS IN ELECTROMAGNETICS RESEARCH-PIER, 2019, vol. 166, pp. 1-22., Registrované v: WOS
185. [1.1] HOLLOWAY, Christopher L. - KUESTER, Edward F. - HADDAB, Abdulaziz H. Using reflection and transmission coefficients to retrieve surface parameters for an anisotropic metascreen: With a discussion on conversion between TE and TM polarizations. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2019, vol. 125, no. 9, 095102., Registrované v: WOS
186. [1.1] HOPKINS, Ben - FILONOV, Dmitry S. - MIROSHNICHENKO, Andrey E. - MONTICONE, Francesco - ALU, Andrea - KIVSHAR, Yuri S. Interplay of Magnetic Responses in All-Dielectric Oligomers To Realize Magnetic Fano Resonances. In ACS PHOTONICS. ISSN 2330-4022, 2015, vol. 2, no. 6, pp. 724., Registrované v: WOS
187. [1.1] HOQUE, Ahasanul - ISLAM, Mohammad Tariqul - ALMUTAIRI, Ali F. - CHOWDHURY, Muhammad E. H. - SAMSUZZAMAN, Md. SNG and DNG meta-absorber with fractional absorption band for sensing

- application. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2020, vol. 10, no. 1, 13086., Registrované v: WOS
188. [1.1] HOU, Qing - YAN, Ke-lan - FAN, Run-hua - ZHANG, Zi-dong - CHEN, Min - SUN, Kai - CHENG, Chuan-bing. Experimental realization of tunable negative permittivity in percolative Fe₇₈Si₉B₁₃/epoxy composites. In RSC ADVANCES. ISSN 2046-2069, 2015, vol. 5, no. 13, pp. 9472., Registrované v: WOS
189. [1.1] HUANG, Min - LI, Xun - LUO, Jie. All-dielectric unidirectional complementary media for transmission enhancement. In OPTICS EXPRESS. ISSN 1094-4087, 2020, vol. 28, no. 22, pp. 33263-33273., Registrované v: WOS
190. [1.1] HUANG, Siqi - CAO, Zilong - YANG, Helin - SHEN, Zhaoyang - DING, Xiaoxia. An electromagnetic parameter retrieval method based on deep learning. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2020, vol. 127, no. 22, 224902., Registrované v: WOS
191. [1.1] HUANG, Xin - YANG, Fan - GAO, Bing - YANG, Qi - WU, Jiamin - HE, Wei. Metamaterial absorber with independently tunable amplitude and frequency in the terahertz regime. In OPTICS EXPRESS. ISSN 1094-4087, 2019, vol. 27, no. 18, pp. 25902-25911., Registrované v: WOS
192. [1.1] HUH, Ji-Hyeok - KIM, Kwangjin - IM, Eunji - LEE, Jaewon - CHO, YongDeok - LEE, Seungwoo. Exploiting Colloidal Metamaterials for Achieving Unnatural Optical Refractions. In ADVANCED MATERIALS. ISSN 0935-9648, 2020, vol. 32, no. 51, 2001806., Registrované v: WOS
193. [1.1] HU, Guohang - SYTCHKOVA, Anna. Optical functions of fishnet metamaterial embedded in dielectrics. In TENTH INTERNATIONAL CONFERENCE ON THIN FILM PHYSICS AND APPLICATIONS (TFPA 2019). ISSN 0277-786X, 2019, vol. 11064, UNSP 1106405., Registrované v: WOS
194. [1.1] HU, Chuandeng - WU, Xiaoxiao - TONG, Rui - et al. A metasurface with bidirectional hyperbolic surface modes and position-sensing applications. In NPG ASIA MATERIALS, 2018, vol. 10, pp. 417-428., Registrované v: WOS
195. [1.1] HU, Jie - LANG, Tingting - HONG, Zhi - et al. Comparison of Electromagnetically Induced Transparency Performance in Metallic and All-Dielectric Metamaterials. In JOURNAL OF LIGHTWAVE TECHNOLOGY, 2018, vol. 36, no. 11, pp. 2083-2093., Registrované v: WOS
196. [1.1] HU, Xiaojun - LI, Ran - WU, Zhouyi - MA, Chao - HUANGFU, Jiangtao - YE, Dexin. Experimental Realization of Full-parameter Transformation Optics Media. In 2020 INTERNATIONAL APPLIED COMPUTATIONAL ELECTROMAGNETICS SOCIETY SYMPOSIUM (2020 ACES-MONTEREY), 2020, 20014871., Registrované v: WOS
197. [1.1] HU, Yizhi - LI, Hongen - ZHANG, Yong - ZHU, Yonggang - YANG, Yue. Enhanced near-field radiation in both TE and TM waves through excitation of Mie resonance. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 102, no. 12, 125434., Registrované v: WOS
198. [1.1] HU, Yuli - KANG, Le - ZHENG, Wei - BAI, Jie. Impedance matching control method for an underwater magnetic resonance-based wireless power transfer system with metamaterials. In JOURNAL OF ELECTROMAGNETIC WAVES AND APPLICATIONS. ISSN 0920-5071, 2016, vol. 30, no. 15, pp. 2003-2019., Registrované v: WOS
199. [1.1] CHAKYAR, Sreedevi P. - SIMON, Sikha K. - BINDU, C. -

- ANDREWS, Jolly - JOSEPH, V. P. Complex permittivity measurement using metamaterial split ring resonators. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2017, vol. 121, no. 5, 054101., Registrované v: WOS
200. [1.1] CHANG, Taeyong - KIM, Jong Uk - KANG, Seung Kyu - KIM, Hyowook - KIM, Do Kyung - LEE, Yong-Hee - SHIN, Jonghwa. Broadband giant-refractive-index material based on mesoscopic space-filling curves. In NATURE COMMUNICATIONS. ISSN 2041-1723, 2016, vol. 7, no., pp., Registrované v: WOS
201. [1.1] CHANG, Tsun-Hsu - TSAI, Cheng-Hung - WONG, Wei-Syuan - CHEN, Yen-Ren - CHAO, Hsien-Wen. Permeability measurement and control for epoxy composites. In APPLIED PHYSICS LETTERS. ISSN 0003-6951, 2017, vol. 111, no. 9, 094102., Registrované v: WOS
202. [1.1] CHAN, Hsun-Chi - SUN, Shulin - GUO, Guang-Yu. Near-infrared left-handed metamaterials made of arrays of upright split-ring pairs. In JOURNAL OF PHYSICS D-APPLIED PHYSICS, 2018. vol. 51, no. 26, 265103., Registrované v: WOS
203. [1.1] CHATTERJEE, Joysmita - MOHAN, Akhilesh - DIXIT, Vivek. Frequency reconfigurable slot antenna using metasurface for cognitive radio applications. In IET MICROWAVES ANTENNAS & PROPAGATION. ISSN 1751-8725, 2020, vol. 14, no. 3, pp. 194-202., Registrované v: WOS
204. [1.1] CHATURVEDI, Divya - RAGHAVAN, S. A Compact Metamaterial-Inspired Antenna for WBAN Application. In WIRELESS PERSONAL COMMUNICATIONS. ISSN 0929-6212, 2019, vol. 105, no. 4, pp. 1449-1460., Registrované v: WOS
205. [1.1] CHAYNANE, Rachid - JEBBOR, Nawfal - BRI, Seddik - EL ABBASSI, Ahmed. Parametric retrieval of effective constitutive parameters of split-ring resonator metamaterial. In ADVANCES IN MATERIALS AND PROCESSING TECHNOLOGIES. ISSN 2374-068X, 2020., Registrované v: WOS
206. [1.1] CHENG, You-Feng - DING, Xiao - PENG, Fan - FENG, Ju - LIAO, Cheng. Broadband Dual-, Triple-, and Quad-Resonance Endfire Antennas Based on Surface Waves. In IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION. ISSN 0018-926X, 2020, vol. 68, no. 8, pp. 6389-6394., Registrované v: WOS
207. [1.1] CHEN, Di-Chao - ZHU, Xing-Feng - WU, Da-Jian - LIU, Xiao-Jun. Broadband Airy-like beams by coded acoustic metasurfaces. In APPLIED PHYSICS LETTERS. ISSN 0003-6951, 2019, vol. 114, no. 5, 053504., Registrované v: WOS
208. [1.1] CHEN, Chao - WANG, Fei - SHENG, Yuping - et al. Enhancement transmittance of a metamaterial filter based on local surface plasma resonance. In MRS COMMUNICATIONS, 2018, vol. 8, no. 1, pp. 194-198., Registrované v: WOS
209. [1.1] CHEN, Cheng - HUANG, Kama - YANG, Yang. Microwave Transmitting System Based on Four-Way Master-Slave Injection-Locked Magnetrons and Horn Arrays With Suppressed Sidelobes. In IEEE TRANSACTIONS ON MICROWAVE THEORY AND TECHNIQUES, 2018, vol. 66, no. 5, pp. 2416-2424., Registrované v: WOS
210. [1.1] CHEN, L. et al. Meander-line. In PROGRESS IN ELECTROMAGNETICS RESEARCH-PIER, 2015, vol. 151, p. 55., Registrované v: WOS

211. [1.1] CHEN, Mingji - CHENG, Xiaodong - GONG, Congcheng - et al. Wide band three-dimensional polarization selective electromagnetic murky diffusion spherical shell hyper-structure with a transmission band formed by subwavelength units. In OPTICAL MATERIALS EXPRESS, 2018, vol. 8, no. 5, pp. 1202-1212., Registrované v: WOS
212. [1.1] CHEN, Mingji - WANG, Changxian - CHENG, Xiaodong - et al. Experimental demonstration of invisible electromagnetic impedance matching cylindrical transformation optics cloak shell. In JOURNAL OF OPTICS, 2018, vol. 20, no. 4, 045608., Registrované v: WOS
213. [1.1] CHEN, Mingming - XIAO, Zhongyin - LV, Fei - CUI, Zhentao - XU, Qidi. Dynamically tunable dual-band electromagnetically induced transparency-like in terahertz metamaterial. In OPTICAL MATERIALS. ISSN 0925-3467, 2020, vol. 107, 110060., Registrované v: WOS
214. [1.1] CHEN, Tianyi - TANG, Wenxuan - MU, Jing - CUI, Tie Jun. Microwave Metamaterials. In ANNALEN DER PHYSIK. ISSN 0003-3804, 2019, vol. 531, no. 8, 1800445., Registrované v: WOS
215. [1.1] CHEN, XiaoFeng - ZHAO, YongJiu. Dual-band polarization and frequency reconfigurable antenna using double layer metasurface. In AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS, 2018, vol. 95, pp. 82-87., Registrované v: WOS
216. [1.1] CHEN, Yulu - HSUEH, Yu-Chun - MAN, Mengren - WEBB, Kevin J. Enhanced and tunable resolution from an imperfect negative refractive index lens. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS. ISSN 0740-3224, 2016, vol. 33, no. 3, pp. 445-451., Registrované v: WOS
217. [1.1] CHO, Yeonje - KIM, Jonghoon J. - KIM, Dong-Hyun - LEE, Seongsoo - KIM, Hongseok - SONG, Chiuk - KONG, Sunkyu - KIM, Hyounghun - SEO, Chulhun - AHN, Seungyoung - KIM, Joungho. Thin PCB-Type Metamaterials for Improved Efficiency and Reduced EMF Leakage in Wireless Power Transfer Systems. In IEEE TRANSACTIONS ON MICROWAVE THEORY AND TECHNIQUES. ISSN 0018-9480, 2016, vol. 64, no. 2, pp. 353-364., Registrované v: WOS
218. [1.1] CHO, Yeonje - LEE, Seongsoo - KIM, Dong-Hyun - et al. Thin Hybrid Metamaterial Slab With Negative and Zero Permeability for High Efficiency and Low Electromagnetic Field in Wireless Power Transfer Systems. In IEEE TRANSACTIONS ON ELECTROMAGNETIC COMPATIBILITY, 2018, vol. 60, no. 4, pp. 1001-1009., Registrované v: WOS
219. [1.1] CHREMMOS, Ioannis - KALLOS, Efthymios - GIAMALAKI, Melpomeni - YANNOPAPAS, Vassilios - PASPALAKIS, Emmanuel. Effective medium theory for two-dimensional non-magnetic metamaterial lattices up to quadrupole expansions. In JOURNAL OF OPTICS. ISSN 2040-8978, 2015, vol. 17, no. 7, 075102., Registrované v: WOS
220. [1.1] ICHIKAWA, Hiroyuki. How should we cope with effective media? In OPTICAL REVIEW, 2018, vol. 25, no. 5, pp. 585-592., Registrované v: WOS
221. [1.1] IQBAL, Amjad - BASIR, Abdul - SMIDA, Amor - MALLAT, Nazih Khaddaj - ELFERGANI, Issa - RODRIGUEZ, Jonathan - KIM, Sunghwan. Electromagnetic Bandgap Backed Millimeter-Wave MIMO Antenna for Wearable Applications. In IEEE ACCESS. ISSN 2169-3536, 2019, vol. 7, pp. 111135-111144., Registrované v: WOS

222. [1.1] IQBAL, N. In OPTIK, 2016, vol. 127, pp. 7030., Registrované v: WOS
223. [1.1] ISLAM, Md Rashedul - SAMSUZZAMAN, Md - MISRAN, Norbahiah - BENG, Gan Kok - ISLAM, Mohammad Tariqul. A tri-band left-handed meta-atom enabled designed with high effective medium ratio for microwave based applications. In RESULTS IN PHYSICS. ISSN 2211-3797, 2020, vol. 17, 103032., Registrované v: WOS
224. [1.1] ISLAM, Mohammad Shahidul - SAMSUZZAMAN, Md. - BENG, Gan Kok - MISRAN, Norbahiah - AMIN, Nowshad - ISLAM, Mohammad Tariqul. A Gap Coupled Hexagonal Split Ring Resonator Based Metamaterial for S-Band and X-Band Microwave Applications. In IEEE ACCESS. ISSN 2169-3536, 2020, vol. 8, pp. 68239-68253., Registrované v: WOS
225. [1.1] ISLAM, S.S. et al. A new direct retrieval method. In CURRENT SCIENCE, 2015, vol. 109, p. 337., Registrované v: WOS
226. [1.1] ISLAM, Zain Ul - AHMED, Zeeshan - NADEEM, Iram - LODHI, Faiz K. - ZARRABI, Ferdows B. - AZAM, Muhammad. Spiral Antenna with CPW Feed based on Composite Right/Left-Handed for Ultra Wide Band & Low Frequency Operation. In 2019 IEEE 4TH INTERNATIONAL CONFERENCE ON COMPUTER AND COMMUNICATION SYSTEMS (ICCCS 2019), 2019, pp. 594-598., Registrované v: WOS
227. [1.1] ITOH, Morimichi - YAMAMOTO, Shinichiro - HATAKEYAMA, Kenichi. Experimental Study of the Properties of Metamaterials Using Broadside-Coupled Split Ring Resonators. In Conference: Joint 60th IEEE International Symposium on Electromagnetic Compatibility (EMC) / IEEE Asia-Pacific Symposium on Electromagnetic Compatibility (APEMC), 2018, pp. 277-282., Registrované v: WOS
228. [1.1] JAFARI, Fereshteh Sadat - NADERI, Mohammad - HATAMI, Ahmad - ZARRABI, Ferdows B. Microwave Jerusalem cross absorber by metamaterial split ring resonator load to obtain polarization independence with triple band application. In AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS. ISSN 1434-8411, 2019, vol. 101, pp. 138-144., Registrované v: WOS
229. [1.1] JEON, Jiyeon - BHATTARAI, Khagendra - KIM, Deok-Kee - KIM, Jun Oh - URBAS, Augustine - LEE, Sang Jun - KU, Zahyun - ZHOU, Jiangfeng. A Low-loss Metasurface Antireflection Coating on Dispersive Surface Plasmon Structure. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2016, vol. 6, no., pp., Registrované v: WOS
230. [1.1] JIANG, K. Circular-polarization-dependent mode. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B, 2015, vol. 32, p. 2088., Registrované v: WOS
231. [1.1] JIANG, Li - FANG, Bo - YAN, Zhigang - LI, Chenxia - GAN, Haiyong - HE, Yingwei - HONG, Zhi - JING, Xufeng. Broadband and wide angle perfect reflection by super periodic cubes metamaterials in terahertz region. In MICROELECTRONIC ENGINEERING. ISSN 0167-9317, 2020, vol. 223, 111216., Registrované v: WOS
232. [1.1] JIANG, Li - FANG, Bo - YAN, Zhigang - FAN, Jing - QI, Cenke - LIU, Jianjun - HE, Yingwei - LI, Chenxia - JING, Xufeng - GAN, Haiyong - HONG, Zhi. Terahertz high and near-zero refractive index metamaterials by double layer metal ring microstructure. In OPTICS AND

LASER TECHNOLOGY. ISSN 0030-3992, 2020, vol. 123, 105949.,

Registrované v: WOS

233. [1.1] JIANG, Wei Xiang - GE, Shuo - HAN, Tiancheng - ZHANG, Shuang - MEHMOOD, Muhammad Qasim - QIU, Cheng-Wei - CUI, Tie Jun. Shaping 3D Path of Electromagnetic Waves Using Gradient-Refractive-Index Metamaterials. In ADVANCED SCIENCE. ISSN 2198-3844, 2016, vol. 3, no. 8, pp., Registrované v: WOS

234. [1.1] JIANG, Wei - MA, Yungui - YUAN, Jun - YIN, Ge - WU, Wenhui - HE, Sailing. Deformable broadband metamaterial absorbers engineered with an analytical spatial Kramers-Kronig permittivity profile. In LASER & PHOTONICS REVIEWS. ISSN 1863-8880, 2017, vol. 11, no. 1, 1600253., Registrované v: WOS

235. [1.1] JIANG, Yuliang - XIE, Peitao - WANG, Zhongyang - et al. Iron Granular Percolative Composites toward Radio-Frequency Negative Permittivity. In ECS JOURNAL OF SOLID STATE SCIENCE AND TECHNOLOGY, 2018, vol. 7, no. 9, pp. N132-N136., Registrované v: WOS

236. [1.1] JIANG, Y.N. et al. In EUROPEAN PHYSICAL JOURNAL, 2016, vol. 73, 11301., Registrované v: WOS

237. [1.1] JIAO, Xiao-Fei - ZHANG, Zi-Heng - LI, Tong - XU, Yun - SONG, Guo-Feng. Tunable Dual Broadband Terahertz Metamaterial Absorber Based on Vanadium Dioxide. In APPLIED SCIENCES-BASEL, 2020, vol. 10, no. 20, 7259., Registrované v: WOS

238. [1.1] JIA, Dan - HE, Yingran - DING, Ning - et al. Beam-Steering Flat Lens Antenna Based on Multilayer Gradient Index Metamaterials. In IEEE ANTENNAS AND WIRELESS PROPAGATION LETTERS, 2018, vol. 17, no. 8, pp. 1510-1514., Registrované v: WOS

239. [1.1] JIA, Xiao - LI, Yang - ZHOU, Yinghao - HONG, Minghui - YAN, Ming. Wide bandwidth acoustic transmission via coiled-up metamaterial with impedance matching layers. In SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY. ISSN 1674-7348, 2019, vol. 62, no. 6, 964311., Registrované v: WOS

240. [1.1] JIA, Xiuli - WANG, Xiaou. Polarization-independent electromagnetically induced transparency-like metasurface. In OPTICAL ENGINEERING, 2018, vol. 57, no. 1, 017105., Registrované v: WOS

241. [1.1] JIA, Xiu-Li - MENG, Qing-Xin - WANG, Xiao-Ou - ZHOU, Zhong-Xiang. Simulation of High-Transmission Chiral Metamaterial with Impedance Matching to a Vacuum. In CHINESE PHYSICS LETTERS. ISSN 0256-307X, 2016, vol. 33, no. 1, pp., Registrované v: WOS

242. [1.1] JIA, X. In OPTICS COMMUNICATIONS, 2016, vol. 364, pp. 158., Registrované v: WOS

243. [1.1] JING, Xufeng - WANG, Weimin - XIA, Rui - ZHAO, Jingyin - TIAN, Ying - HONG, Zhi. Manipulation of dual band ultrahigh index metamaterials in the terahertz region. In APPLIED OPTICS. ISSN 1559-128X, 2016, vol. 55, no. 31, pp. 8743-8751., Registrované v: WOS

244. [1.1] JING, Xufeng - XIA, Rui - WANG, Weimin - TIAN, Ying - HONG, Zhi. Determination of the effective constitutive parameters of bianisotropic planar metamaterials in the terahertz region. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA A-OPTICS IMAGE SCIENCE AND VISION. ISSN 1084-7529, 2016, vol. 33, no. 5, pp. 954-961., Registrované v: WOS

245. [1.1] JING, X. - XIA, R. - GUI, X. - et al. Design of ultrahigh refractive index metamaterials in the terahertz regime. In SUPERLATTICES AND MICROSTRUCTURES, 2017, vol. 109, pp. 716 - 724., Registrované v: WOS
246. [1.1] JOHARI, Esha - AKHTER, Zubair - BHASKAR, Manoj - AKHTAR, M. Jaleel. Simplified two-dimensional microwave imaging scheme using metamaterial-loaded Vivaldi antenna. In RADIO SCIENCE. ISSN 0048-6604, 2017, vol. 52, no. 3, pp. 403-415., Registrované v: WOS
247. [1.1] JUNG, Jae Woong - KIM, Jae Eun - LEE, Jin Woo. Acoustic metamaterial panel for both fluid passage and broadband soundproofing in the audible frequency range. In APPLIED PHYSICS LETTERS, 2018, vol. 112, no. 4, 041903., Registrované v: WOS
248. [1.1] JUSTINO RIBEIRO, Debora Costanti - BELTRAN-MEJIA, Felipe - JUSTIN RIBEIRO, Jose Antonio. Experimental results for a metamaterial Luneburg lens. In PROCEEDINGS OF THE 2019 INTERNATIONAL CONFERENCE ON ELECTROMAGNETICS IN ADVANCED APPLICATIONS (ICEAA), 2019, pp. 1076-1079., Registrované v: WOS
249. [1.1] KADLEC, C. In INT. CONF. ON INFRARED MILIMETER A. TERAHERTZ WAVES, 2016 ., Registrované v: WOS
250. [1.1] KANG, L. In APPLIED PHYSICS A, 2016, vol. 122, Iss. 4, 373., Registrované v: WOS
251. [1.1] KANG, Sungho - QIAN, Zhenyun - RAJARAM, Vageeswar - CALISGAN, Sila Deniz - ALU, Andrea - RINALDI, Matteo. Ultra-Narrowband Metamaterial Absorbers for High Spectral Resolution Infrared Spectroscopy. In ADVANCED OPTICAL MATERIALS. ISSN 2195-1071, 2019, vol. 7, no. 2, 1801236., Registrované v: WOS
252. [1.1] KANTEMUR, A. In IEEE ANTENNAS A. PROPAGATION SOC. INT. SYMP., pp. 269, 2016 ., Registrované v: WOS
253. [1.1] KAPPA, Jan - DANG, Zinching - SOKOLUK, Dominik - RAHM, Marco. Analysis of coding metasurfaces for incident radiation at oblique incidence angles. In OSA CONTINUUM. ISSN 2578-7519, 2019, vol. 2, no. 7, pp. 2172-2180., Registrované v: WOS
254. [1.1] KARTHIKEYA, G. S. - ABEGAONKAR, Mahesh P. - KOUL, Shibani K. Pattern diversity of path loss compensated antennas for 5G base stations. In INTERNATIONAL JOURNAL OF RF AND MICROWAVE COMPUTER-AIDED ENGINEERING. ISSN 1096-4290, 2019, vol. 29, no. 8, e21800., Registrované v: WOS
255. [1.1] KAVOUSHI, H. - RASHED-MOHASSEL, J. - EDALATIPOUR, M. Miniaturized patch antenna using a circular spiral-based metamaterial. In MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, 2017, vol. 59, no. 9, pp. 2276 -2279., Registrované v: WOS
256. [1.1] KAZANTSEV, Y.N. In TECHNICAL PHYSICS LETTERS, 2016, vol. 42, pp. 238., Registrované v: WOS
257. [1.1] KENANAKIS, G. et al. In APPLIED PHYSICS A, 2016, vol. 122, Iss. 9 ., Registrované v: WOS
258. [1.1] KHALID, M. In URSI INT. SYMP. ON ELECTROMAGNETIC THEORY, 2016, pp. 625., Registrované v: WOS
259. [1.1] KHANDELWAL, Mukesh K. - ARORA, Aditya - KUMAR, Sachin - et al. Dual band double negative (DNG) metamaterial with small

- frequency ratio. In JOURNAL OF ELECTROMAGNETIC WAVES AND APPLICATIONS, 2018, vol. 32, no. 17, pp. 2167-2181., Registrované v: WOS
260. [1.1] KHANDELWAL, Mukesh Kumar - KANAUIA, Binod Kumar - KUMAR, Sachin - GAUTAM, A. K. MINIATURIZATION OF DNG METAMATERIAL. In MICROWAVE AND OPTICAL TECHNOLOGY LETTERS. ISSN 0895-2477, 2017, vol. 59, no. 4, pp. 862-865., Registrované v: WOS
261. [1.1] KHAN, Bilawal - KAMAL, Babar - ULLAH, Sadiq - KHAN, Imran - SHAH, Jawad Ali - CHEN, Jingdong. Design and experimental analysis of dual-band polarization converting metasurface for microwave applications. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2020, vol. 10, no. 1, 15393., Registrované v: WOS
262. [1.1] KHAN, M. I. - TAHIR, F. A. A compact half and quarter-wave plate based on bi-layer anisotropic metasurface. In JOURNAL OF PHYSICS D-APPLIED PHYSICS, 2017, vol. 50, no. 43, 43LT04., Registrované v: WOS
263. [1.1] KHORSHIDI, Zahra - BAHARI, Ali. Investigations of electrical, magnetic, and optical properties of Ag/Co_{0.05}Ti_{0.95}O₂ random nanocomposites. In WAVES IN RANDOM AND COMPLEX MEDIA. ISSN 1745-5030, 2016, vol. 26, no. 4, pp. 671-683., Registrované v: WOS
264. [1.1] KILDEMO, Morten - BANON, Jean-Philippe - BARON, Alexandre - SVENDSEN, Brage B. - BRAKSTAD, Thomas - SIMONSEN, Ingve. Optical response of gold hemispheroidal lattices on transparent substrates. In APPLIED SURFACE SCIENCE. ISSN 0169-4332, 2017, vol. 421, no. SI, pp. 593-600., Registrované v: WOS
265. [1.1] KILPIJARVI, Joni - TOLVANEN, Jarrkko - JUUTI, Jari - HALONEN, Niina - HANNU, Jari. A Non-Invasive Method for Hydration Status Measurement With a Microwave Sensor Using Skin Phantoms. In IEEE SENSORS JOURNAL. ISSN 1530-437X, 2020, vol. 20, no. 2, pp. 1095-1104., Registrované v: WOS
266. [1.1] KIM, Jongyeong - JEONG, Heijun - LIM, Sungjoon. Mechanically actuated frequency reconfigurable metamaterial absorber. In SENSORS AND ACTUATORS A-PHYSICAL. ISSN 0924-4247, 2019, vol. 299, UNSP 111619., Registrované v: WOS
267. [1.1] KIM, Jungmin - YU, Sunkyu - PARK, Namkyoo. Universal Design Platform for an Extended Class of Photonic Dirac Cones. In PHYSICAL REVIEW APPLIED. ISSN 2331-7019, 2020, vol. 13, no. 4, 044015., Registrované v: WOS
268. [1.1] KIM, Kiyeon - IL Park, Chung - LEE, Hyuk - et al. Near-zero effective impedance with finite phase velocity for sensing and actuation enhancement by resonator pairing. In NATURE COMMUNICATIONS, 2018, vol. 9, 5255., Registrované v: WOS
269. [1.1] KIM, Reehyang - CHUNG, Kyungjae - KIM, Ju Young - et al. Metal Nanoparticle Array as a Tunable Refractive Index Material over Broad Visible and Infrared Wavelengths. In ACS PHOTONICS, 2018, vol. 5, no. 4, pp. 1188-1195., Registrované v: WOS
270. [1.1] KIM, Soo Jin - PARK, Junghyun - ESFANDYARPOUR, Majid - PECORA, Emanuele F. - KIK, Pieter G. - BRONGERSMA, Mark L. Superabsorbing, Artificial Metal Films Constructed from Semiconductor Nanoantennas. In NANO LETTERS. ISSN 1530-6984, 2016, vol. 16, no. 6, pp. 3801-3808., Registrované v: WOS

271. [1.1] KIM, Yongjune - SEO, Ilsung - KOH, Il-Suek - LEE, Yongshik. Design method for broadband free-space electromagnetic cloak based on isotropic material for size reduction and enhanced invisibility. In OPTICS EXPRESS. ISSN 1094-4087, 2016, vol. 24, no. 20, pp. 22708-22717., Registrované v: WOS
272. [1.1] KIM, Y. In INT.J. OF NANOTECHNOLOGY, 2016, vol. 13, pp. 299., Registrované v: WOS
273. [1.1] KISHOR, Kamal - BAITHA, Monu Nath - SINHA, R. K. Design and simulation of "I" shaped split ring resonator metamaterial at optical communication window around 1.55 μ m. In OPTIK. ISSN 0030-4026, 2015, vol. 126, no. 23, pp. 4708., Registrované v: WOS
274. [1.1] KIVIJARVI, Ville - NYMAN, Markus - SHEVCHENKO, Andriy - et al. Theoretical description and design of nanomaterial slab waveguides: application to compensation of optical diffraction. In OPTICS EXPRESS, 2018, vol. 26, no. 7, pp. 9134-9147., Registrované v: WOS
275. [1.1] KIVIJARVI, V. - NYMAN, M. - KARRILA, A. - GRAHN, P. - SHEVCHENKO, A. - KAIVOLA, M. Interaction of metamaterials with optical beams. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2015, vol. 17, 063019., Registrované v: WOS
276. [1.1] KONG, Jiantao - WU, Xueyuan - WANG, Xin - NAUGHTON, Michael J. - KEMPA, Krzysztof. Plasmonic multiple exciton generation. In PHYSICAL REVIEW MATERIALS. ISSN 2475-9953, 2019, vol. 3, no. 6, 065201., Registrované v: WOS
277. [1.1] KOSCHNY, T. - SOUKOULIS, C. M. - WEGENER, M. Metamaterials in microwaves, optics, mechanics, thermodynamics, and transport. In JOURNAL OF OPTICS, 2017, vol. 19, no. 8, 084005., Registrované v: WOS
278. [1.1] KOURTZANIDIS, K. In JOURNAL OF APPLIED PHYSICS, 2016, vol. 119, 204904., Registrované v: WOS
279. [1.1] KOZIOL, P. E. - GORSKI, P. A. - BYNDAS, A. - ANTONCZAK, A. J. - STEPAC, B. D. - ABRAMSKI, K. M. Experimental verification of the method for producing a three-dimensional cross-pairs metamaterial structure based on a dielectric AlN cube. In JOURNAL OF PHYSICS D-APPLIED PHYSICS. ISSN 0022-3727, 2016, vol. 49, no. 6, pp., Registrované v: WOS
280. [1.1] KO, Yeong Hwan - MAGNUSSON, Robert. Wideband dielectric metamaterial reflectors: Mie scattering or leaky Bloch mode resonance? OPTICA, 2018, vol. 5, no. 3, pp. 289-294., Registrované v: WOS
281. [1.1] KRAFTMAKHER, G. A. - BUTYLKIN, V. S. - KAZANTSEV, Yu N. - et al. Specificities of the Microwave Reflection Coefficients of Magnetically Excited Chiral and Ring Conductive Elements for Separation of Magnetic and Electric Responses and Broadband Matching of Radio Absorbing Composites. In JOURNAL OF COMMUNICATIONS TECHNOLOGY AND ELECTRONICS, 2018, vol. 63, no. 2, pp. 95-103., Registrované v: WOS
282. [1.1] KRAFTMAKHER, G. A. - BUTYLKIN, V. S. - KAZANTSEV, Yu. N. - MAL'TSEV, V. P. - TEMIROV, Yu. Sh. Identifying microwave magnetic resonance in chiral elements for creation of controlled matched absorbing metastructures. In APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING. ISSN 0947-8396, 2017, vol. 123, no. 1, 56., Registrované v: WOS
283. [1.1] KUMAR, Amit - ANSARI, Abdul Quaiyum - KANAUIJA,

- Binod Kumar - KISHOR, Jugul. A novel ITI-shaped isolation structure placed between two-port CPW-fed dual-band MIMO antenna for high isolation. In AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS. ISSN 1434-8411, 2019, vol. 104, pp. 35-43., Registrované v: WOS
284. [1.1] KUMAR, Deepak - AMBATIPUDI, Surya Pranav - BANERJEE, Sabyasachi - KUMAR, Ranjan - CHOWDHURY, Dibakar Roy. Multifold coupling enabled high quality factor toroidal resonances in metasurfaces. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2020, vol. 127, no. 19, 193103., Registrované v: WOS
285. [1.1] KUNG, Ming-Lung - LIN, Ken-Huang. Investigation of Multi-layer Metamaterial for Enhancing Efficiency of Near-field Wireless Power Transfer Systems. In Conference: Progress in Electromagnetics Research Symposium (PIERS-Toyama), Book Series: Progress in Electromagnetics Research Symposium, 2018, pp. 2484-2488., Registrované v: WOS
286. [1.1] KUSHWAHA, Ritesh Kumar - KARUPPANAN, P. - SRIVASTAVA, Yogesh. Proximity feed multiband patch antenna array with SRR and PBG for THz applications. In OPTIK, 2018, vol. 175, pp. 78-86., Registrované v: WOS
287. [1.1] KUSHWAHA, Ritesh Kumar - KARUPPANAN, P. Enhanced radiation characteristics of graphene-based patch antenna array employing photonic crystals and dielectric grating for THz applications. In OPTIK. ISSN 0030-4026, 2020, vol. 200, 163422., Registrované v: WOS
288. [1.1] LABATE, G. - MATEKOVITS, L. - OREFICE, M. Inverse Scattering Homogenization Method for Conformal Metamaterial Structures. In 2015 IEEE INTERNATIONAL SYMPOSIUM ON ANTENNAS AND PROPAGATION & USNC/URSI NATIONAL RADIO SCIENCE MEETING. ISSN 1522-3965, 2015, vol., no., pp. 63., Registrované v: WOS
289. [1.1] LAI, Yen-Chuan - CHEN, Chia-Yuan - HUNG, Yun-Ting - CHEN, Chia-Yun. Extending Absorption Edge through the Hybrid Resonator-Based Absorber with Wideband and Near-Perfect Absorption in Visible Region. In MATERIALS, 2020, vol. 13, no. 6, 1470., Registrované v: WOS
290. [1.1] LAMBROPOULOS, K. - SIMSERIDES, C. Spectral and transmission properties of periodic 1D tight-binding lattices with a generic unit cell: an analysis within the transfer matrix approach. In JOURNAL OF PHYSICS COMMUNICATIONS, 2018, vol. 2, no. 3, UNSP 035013., Registrované v: WOS
291. [1.1] LAROCHE, Stephane - LAN, Xing - KANESHIRO, Eric - et al. Reconfigurable Composite Right/Left-Handed Metamaterial. In Conference: IEEE Radio and Wireless Symposium (RWS), Book Series: IEEE Radio and Wireless Symposium, 2018, pp. 194-196., Registrované v: WOS
292. [1.1] LAROCHE, Stephane - RADISIC, Vesna. Retrieval of all effective susceptibilities in nonlinear metamaterials. In PHYSICAL REVIEW A, 2018, vol. 97, no. 4, 043863., Registrované v: WOS
293. [1.1] LASHAB, Mohamed - ZEBIRI, Chess-Eddine- DJOUABLIA, Linda - et al. Characterization of horn antenna loaded with CLL unit cell. In MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, 2018, vol. 60, no. 8, pp. 1847-1856., Registrované v: WOS
294. [1.1] LAWRY, Matthew - MAUTE, Kurt. Level set shape and

topology optimization of finite strain bilateral contact problems. In INTERNATIONAL JOURNAL FOR NUMERICAL METHODS IN ENGINEERING, 2018, vol. 113, no. 8, SI, pp. 1340-1369., Registrované v: WOS

295. [1.1] LEE, Dongwoo - CHO, Choonlae - MUN, Jungho - et al. Demonstration of steering acoustic waves by generalized Eaton lens. In APPLIED PHYSICS LETTERS, 2018, vol. 113, no. 16, 161904., Registrované v: WOS

296. [1.1] LEE, Dongwoo - MUN, Jungho - CHO, Choonlae - PARK, Namkyoo - RHO, Junsuk. Retrieving continuously varying effective properties of non-resonant acoustic metamaterials. In APPLIED PHYSICS EXPRESS. ISSN 1882-0778, 2019, vol. 12, no. 5, 052008., Registrované v: WOS

297. [1.1] LEE, D. - NGUYEN, T. T. - MOON, U. CH. - et al. Optimal parameter retrieval for metamaterial absorbers using the least-square method for wide incidence angle insensitivity. In APPLIED OPTICS, 2017, vol. 56, no. 16, pp. 4670 - 4674., Registrované v: WOS

298. [1.1] LEE, Hyung Jin - LEE, Joo Kyung - KIM, Yoon Young. Elastic metamaterial-based impedance-varying phononic bandgap structures for bandpass filters. In JOURNAL OF SOUND AND VIBRATION. ISSN 0022-460X, 2015, vol. 353, no., pp. 58., Registrované v: WOS

299. [1.1] LEE, Hyung Jin - LEE, Heung Son - MA, Pyung Sik - KIM, Yoon Young. Effective material parameter retrieval of anisotropic elastic metamaterials with inherent nonlocality. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2016, vol. 120, no. 10, pp., Registrované v: WOS

300. [1.1] LEE, Woosol - KIM, Haein - YOON, Yong-Kyu. Metamaterial-inspired dual-function loop antenna for wireless power transfer and wireless communications. In 2020 IEEE 70TH ELECTRONIC COMPONENTS AND TECHNOLOGY CONFERENCE (ECTC 2020). ISSN 0569-5503, 2020, pp. 1351-1357., Registrované v: WOS

301. [1.1] LEE, Woosol - YOON, Yong-Kyu. Tunable Metamaterial Slab for Efficiency Improvement in Misaligned Wireless Power Transfer. In IEEE MICROWAVE AND WIRELESS COMPONENTS LETTERS. ISSN 1531-1309, 2020, vol. 30, no. 9, pp. 912-915., Registrované v: WOS

302. [1.1] LEE, Woosol - YOON, Yong-Kyu. Wireless Power Transfer Systems Using Metamaterials: A Review. In IEEE ACCESS, 2020, vol. 8, pp. 148606-148621., Registrované v: WOS

303. [1.1] LEI, Guo Ping - LI, Sheng Hao. Design and measure of a high-loss transmission band metamaterial filter based on vertical coupling effect between localized surface plasmon modes. In MATERIALS RESEARCH EXPRESS. ISSN 2053-1591, 2019, vol. 6, no. 1, 015803., Registrované v: WOS

304. [1.1] LEI, Ming - FENG, Ningyue - WANG, Qingmin - HAO, Yanan - HUANG, Shanguo - BI, Ke. Magnetically tunable metamaterial perfect absorber. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2016, vol. 119, no. 24, pp., Registrované v: WOS

305. [1.1] LEPETIT, T. et al. Cramer-Rao bounds. In PROCEEDINGS OF SPIE, 2015, vol. 9544, 954427., Registrované v: WOS

306. [1.1] LEPETIT, T. - KANTE, B. Cramer-Rao bounds for determination of electric and magnetic susceptibilities in metasurfaces. In OPTICS EXPRESS, 2015, vol. 23, p. 3460., Registrované v: WOS

307. [1.1] LI Shengyong - AI Xiaochuan - WU Ronghua - et al.

- Experimental demonstration of a metal-dielectric metamaterial refractive index sensor. In OPTICS AND LASER TECHNOLOGY, 2018, vol. 100, pp. 304-308., Registrované v: WOS
308. [1.1] LI SHENGYONG - AI XIAOCHUAN - WU RONGHUA - CHEN JIAJUN - JIANG TAO. Enhancement of multi-band absorption based on compound structure metamaterials. In OPTICS AND LASER TECHNOLOGY. ISSN 0030-3992, 2019, vol. 115, pp. 239-245., Registrované v: WOS
309. [1.1] LI Shengyong - AI Xiaochuan - WU Ronghua - et al. Design and simulation verification an environmental change metamaterial sensor. In OPTICS COMMUNICATIONS, 2018, vol. 428, pp. 251-257., Registrované v: WOS
310. [1.1] LI XING-WEI - BAI SHEN-JIANG - SUN JI-XIANG. Numerical study of a dual-band metamaterial absorber in near infrared region based on cavity and electrical resonances. In JOURNAL OF INFRARED AND MILLIMETER WAVES. ISSN 1001-9014, 2016, vol. 35, no. 5, pp. 538-+., Registrované v: WOS
311. [1.1] LIANG, Qiuqun - DUAN, Huigao - ZHU, Xupeng - CHEN, Xuandong - XIA, XiongPing. Solar thermal absorber based on dielectric filled two-dimensional nickel grating. In OPTICAL MATERIALS EXPRESS. ISSN 2159-3930, 2019, vol. 9, no. 8, pp. 3193-3203., Registrované v: WOS
312. [1.1] LIANG, Qiuqun - IYN, Qiu - CHEN, Lei - et al. Perfect spectrally selective solar absorber with dielectric filled fishnet tungsten grating for solar energy harvesting. In SOLAR ENERGY MATERIALS AND SOLAR CELLS, 2020, vol 215, 110664., Registrované v: WOS
313. [1.1] LIASKOS, Christos - TSIOLARIDOU, Ageliki - PITSILLIDES, Andreas - AKYILDIZ, Ian F. - KANTARTZIS, Nikolaos V. - LALAS, Antonios X. - DIMITROPOULOS, Xenofontas - IOANNIDIS, Sotiris - KAFESAKI, Maria - SOUKOULIS, C. M. Design and Development of Software Defined Metamaterials for Nanonetworks. In IEEE CIRCUITS AND SYSTEMS MAGAZINE. ISSN 1531-636X, 2015, vol. 15, no. 4, pp. 12., Registrované v: WOS
314. [1.1] LIM, Jun-Hee - KIM, Sung-Soo. Analysis of Magnetic Permeability Spectra of Metamaterials Composed of Cut Wire Pairs by Circuit Theory. In JOURNAL OF MAGNETICS. ISSN 1226-1750, 2016, vol. 21, no. 2, pp. 187-191., Registrované v: WOS
315. [1.1] LIU, Chuanbao - BAI, Yang - ZHOU, Ji - ZHAO, Qian - YAN, Yu - LI, Jinxu - SU, Yanjing - QIAO, Lijie. Equivalent energy-level structures in stacked metamaterials. In JOURNAL OF MATERIALS CHEMISTRY C. ISSN 2050-7526, 2015, vol. 3, no. 45, pp. 11827., Registrované v: WOS
316. [1.1] LIU, Jingying - GONG, Zhi - YANG, Shiyou - SUN, Hui - ZHOU, Jing. Practical Model for Metamaterials in Wireless Power Transfer Systems. In APPLIED SCIENCES-BASEL, 2020, vol. 10, no. 23, 8506., Registrované v: WOS
317. [1.1] LIU, Liang-Yuan - LU, Jing-Qi. Compact Broadband End-Fire Antenna with Metamaterial Transmission Line. In PROGRESS IN ELECTROMAGNETICS RESEARCH LETTERS, 2018, vol. 73, pp. 37-44., Registrované v: WOS
318. [1.1] LIU, P. - LAN, T. Wide-angle, polarization-insensitive, and broadband metamaterial absorber based on multilayered metal-dielectric structures. In APPLIED OPTICS, 2017, vol. 56, no. 14, pp. 4201 - 4205.,

Registrované v: WOS

319. [1.1] LIU, R. In SCIENCE CHINA, 2016, vol. 59, pp. 1007.,

Registrované v: WOS

320. [1.1] LIU, Shiqi - LI, Jingzhen - SHI, Bowen - et al. Gate-tunable interfacial properties of in-plane ML MX₂ 1T0-2H heterojunctions. In JOURNAL OF MATERIALS CHEMISTRY C, 2018, vol. 6, no. 21, pp.

5651-5661., Registrované v: WOS

321. [1.1] LIU, Shiqi - XU, Lianqiang - PAN, Yuanyuan - YANG, Jie - LI, Jingzhen - ZHANG, Xiuying - XU, Lin - PANG, Hua - YAN, Jiahuan - SHI, Bowen - SUN, Xiaotian - ZHANG, Han - XU, Linqiang - YANG, Jinbo - ZHANG, Zhiyong - PAN, Feng - LU, Jing. Unusual Fermi-Level Pinning and Ohmic Contact at Monolayer Bi₂O₂Se-Metal Interface. In ADVANCED THEORY AND SIMULATIONS, 2019, vol. 2, no. 5, 1800178., Registrované v:

WOS

322. [1.1] LIU, Tong - MA, Shaojie - YANG, Bowen - XIAO, Shiyi - ZHOU, Lei. Effective-medium theory for multilayer metamaterials: Role of near-field corrections. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 102, no. 17, 174208., Registrované v: WOS

323. [1.1] LIU, Xiaoming - BI, Ke - LI, Bo - ZHAO, Qian - ZHOU, Ji. Metamaterial perfect absorber based on artificial dielectric "atoms". In OPTICS EXPRESS. ISSN 1094-4087, 2016, vol. 24, no. 18, pp. 20454-20460.,

Registrované v: WOS

324. [1.1] LIU, Yahong - LIU, Congcong - JIN, Xueyu - et al. Beam steering by using a gradient refractive index metamaterial planar lens and a gradient phase metasurface planar lens. In MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, 2018, vol. 60, no. 2, pp. 330-337., Registrované v: WOS

325. [1.1] LIU, Yang - LIU, Ming - HU, Xin-Guang - YU, Li - XIE, Yan-Ding - YI, Lin. Tunable broadband terahertz wave plate based on one-dimensional superconductor-dielectric photonic crystals. In JOURNAL OF PHYSICS D-APPLIED PHYSICS. ISSN 0022-3727, 2016, vol. 49, no. 14, pp., Registrované v: WOS

326. [1.1] LIU, Yongchen - QIAN, Yixian - HU, Fangrong - JIANG, Mingzhu - ZHANG, Longhui. A dynamically adjustable broadband terahertz absorber based on a vanadium dioxide hybrid metamaterial. In RESULTS IN PHYSICS. ISSN 2211-3797, 2020, vol. 19, 103384., Registrované v: WOS

327. [1.1] LIU, Yun - ZHONG, Min. Design and measure of a temperature controllable terahertz metamaterials. In OPTICAL MATERIALS. ISSN 0925-3467, 2019, vol. 91, pp. 23-29., Registrované v: WOS

328. [1.1] LIU, Yun. Design and measure of a tunable reflection polarization converter based on hybrid dielectric layer metamaterials. In JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS. ISSN 0957-4522, 2019, vol. 30, no. 7, pp. 7175-7181., Registrované v: WOS

329. [1.1] LI, Bing - TAN, K. T. Asymmetric wave transmission in a diatomic acoustic/elastic metamaterial. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2016, vol. 120, no. 7, pp., Registrované v: WOS

330. [1.1] LI, Bo - YANG, Chun - YANG, Zhanping - SHI, Junwei - LI, Jianxing - ZHANG, Anxue. Circularly Polarized Array with Enhanced Isolation Using Magnetic Metamaterials. In ELECTRONICS, 2019, vol. 8, no. 11, 1356., Registrované v: WOS

331. [1.1] LI, Ding - LI, Jiayu. Effective Dielectric Constant of Plasmonic Nanofluid Containing Core-Shell Nanoparticles. In PLASMONICS. ISSN 1557-1955, 2019, vol. 14, no. 1, pp. 263-270., Registrované v: WOS
332. [1.1] LI, Jianxing - SHI, Junwei - FENG, Kai - XIAO, Zhicheng - CHEN, Juan - ZHANG, Anxue. Isolation enhanced circularly polarized patch antenna array using modified electric-field-coupled resonator. In INTERNATIONAL JOURNAL OF RF AND MICROWAVE COMPUTER-AIDED ENGINEERING. ISSN 1096-4290, 2019, vol. 29, no. 5, e21560., Registrované v: WOS
333. [1.1] LI, Jingzhen - SUN, Xiaotian - XU, Chengyong - et al. Electrical contacts in monolayer blue phosphorene devices. In NANO RESEARCH, 2018, vol. 11, no. 4, pp. 1834-1849., Registrované v: WOS
334. [1.1] LI, Jinxin - DENIDNI, Tayeb A. - ZENG, Qingsheng. A Compact Gain-Enhancement Patch Antenna based on Near-Zero-Index Metamaterial Superstrate. In 2016 17TH INTERNATIONAL SYMPOSIUM ON ANTENNA TECHNOLOGY AND APPLIED ELECTROMAGNETICS (ANTEM). ISSN 2380-8616, 2016, vol., no., pp., Registrované v: WOS
335. [1.1] LI, Lifeng. Effective-medium permittivity of one-dimensional gratings of vertically invariant and laterally arbitrary permittivity distribution. In JOURNAL OF MODERN OPTICS. ISSN 0950-0340, 2019, vol. 66, no. 8, pp. 850-856., Registrované v: WOS
336. [1.1] LI, Liyang - WANG, Jun - WANG, Jiafu - MA, Hua - DU, Hongliang - ZHANG, Jieqiu - QU, Shaobo - XU, Zhuo. Reconfigurable all-dielectric metamaterial frequency selective surface based on high-permittivity ceramics. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2016, vol. 6, no., pp., Registrované v: WOS
337. [1.1] LI, Liyang - WANG, Jiafu - MA, Hua - WANG, Jun - FENG, Mingde - DU, Hongliang - YAN, Mingbao - ZHANG, Jieqiu - QU, Shaobo - XU, Zhuo. Achieving all-dielectric metamaterial band-pass frequency selective surface via high-permittivity ceramics. In APPLIED PHYSICS LETTERS. ISSN 0003-6951, 2016, vol. 108, no. 12, pp., Registrované v: WOS
338. [1.1] LI, Q. L. - CHEUNG, S. W. - WU, D. - et al. Microwave lens using periodic dielectric sheets for antenna-gain enhancement. In IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, 2017, vol. 65, no. 4, pp. 2068 -2073., Registrované v: WOS
339. [1.1] LI, Weibai - MENG, Fei - CHEN, Yafeng - LI, Yang fan - HUANG, Xiaodong. Topology Optimization of Photonic and Phononic Crystals and Metamaterials: A Review. In ADVANCED THEORY AND SIMULATIONS, 2019, vol. 2, no. 7, 1900017., Registrované v: WOS
340. [1.1] LI, Weili - MENG, Qinglong - HUANG, Renshuai - et al. Thermally tunable broadband terahertz metamaterials with negative refractive index. In OPTICS COMMUNICATIONS, 2018, vol. 412, pp. 85-89., Registrované v: WOS
341. [1.1] LI, Wenwen - WANG, Ping - YAO, Chen - ZHANG, Yingyi - TANG, Houjun. Experimental investigation of 1D, 2D, and 3D metamaterials for efficiency enhancement in a 6.78MHz wireless power transfer system. In 2016 IEEE WIRELESS POWER TRANSFER CONFERENCE (WPTC). ISSN 2474-0225, 2016, vol., no., pp., Registrované v: WOS
342. [1.1] LI, W. et al. Polarization-insensitive wide-angle multiband metamaterials. In AIP ADVANCES, 2015, vol. 5, 067151., Registrované v:

WOS

343. [1.1] LI, W. In JOURNAL OF APPLIED PHYSICS, 2016, vol. 119, 194901., Registrované v: WOS
344. [1.1] LI, Ying - ZHU, Qi. Luneburg lens with extended flat focal surface for electronic scan applications. In OPTICS EXPRESS. ISSN 1094-4087, 2016, vol. 24, no. 7, pp. 7201-7211., Registrované v: WOS
345. [1.1] LI, Ying - ZHU, Qi. Broadband birefringent metamaterial lens with bi-functional high-gain radiation and deflection properties. In OPTICS EXPRESS, 2018, vol. 26, no. 13, pp. 16265-16276., Registrované v: WOS
346. [1.1] LI, Yukun - LI, Wei - WANG, Yi - et al. Refractory Metamaterial Microwave Absorber with Strong Absorption Insensitive to Temperature. In ADVANCED OPTICAL MATERIALS, 2018, vol. 6, no. 21, 1800691., Registrované v: WOS
347. [1.1] LI, Z. In CHINESE OPTICS LETTERS, 2016, vol. 14, 102303., Registrované v: WOS
348. [1.1] LOCHBAUM, Alexander - FEDORYSHYN, Yuriy - DORODNYI, Alexander - KOCH, Ueli - HAFNER, Christian - LEUTHOLD, Juerg. On-Chip Narrowband Thermal Emitter for Mid-IR Optical Gas Sensing. In ACS PHOTONICS. ISSN 2330-4022, 2017, vol. 4, no. 6, pp. 1371-1380., Registrované v: WOS
349. [1.1] LOPEZ-DOMINGUEZ, V. - GARCIA, M. A. - MARIN, P. - HERNANDO, A. Tuning Metamaterials by using Amorphous Magnetic Microwires. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2017, vol. 7, 9394., Registrované v: WOS
350. [1.1] LUDWIG, Alon. Magnetism from carbon nanocoil mixtures. In JOURNAL OF APPLIED PHYSICS, 2015, vol. 118, 153104., Registrované v: WOS
351. [1.1] LUIS MOCHAN, W. - SINGLA, Raksha - JUAREZ, Lucila - ORTIZ, Guillermo P. Recursive Calculation of the Optical Response of Multicomponent Metamaterials. In PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS. ISSN 0370-1972, 2020, vol. 257, no. 5, 1900560., Registrované v: WOS
352. [1.1] LUO, Minghui - SHEN, Su - ZHOU, Lei - WU, Shangliang - ZHOU, Yun - CHEN, Linsen. Broadband, wide-angle, and polarization-independent metamaterial absorber for the visible regime. In OPTICS EXPRESS. ISSN 1094-4087, 2017, vol. 25, no. 14, pp. 16715-16724., Registrované v: WOS
353. [1.1] LUO, Tianzi - JING, Xufeng - GAN, Haiyong - LI, Chenxia - HONG, Zhi. Wideband near-zero-index metamaterials created by using a supercell microstructure in the terahertz range. In LASER PHYSICS LETTERS. ISSN 1612-2011, 2020, vol. 17, no. 12, 126203., Registrované v: WOS
354. [1.1] LUO, Xiangang; TSAI, Dinpeng; GU, Min; et al. Subwavelength interference of light on structured surfaces. In ADVANCES IN OPTICS AND PHOTONICS, 2018, vol. 10, no. 4, pp. 757-842., Registrované v: WOS
355. [1.1] LUO, Yanbin - ZENG, Qingsheng - YAN, Xin - JIANG, Tao - YANG, Rongcao - WANG, Jiayun - WU, Yong - LU, Qichao - ZHANG, Xia. A graphene-based tunable negative refractive index metamaterial and its application in dynamic beam-tilting terahertz antenna. In MICROWAVE AND OPTICAL TECHNOLOGY LETTERS. ISSN 0895-2477, 2019, vol. 61, no. 12, pp. 2766-2772., Registrované v: WOS

356. [1.1] LUO, Y. - QIN, F. X. - SCARPA, F. - CARBONELL, J. - IPATOV, M. - ZHUKOVA, V. - ZHUKOV, A. - GONZALEZ, J. - PANINA, L. V. - PENG, H. X. Microwires enabled metacomposites towards microwave applications. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2016, vol. 416, no., pp. 299-308., Registrované v: WOS
357. [1.1] LU, Conghui - RONG, Cancan - HUANG, Xiutao - HU, Zhaoyang - TAO, Xiong - WANG, Shengming - CHEN, Junfeng - LIU, Minghai. Investigation of Negative and Near-Zero Permeability Metamaterials for Increased Efficiency and Reduced Electromagnetic Field Leakage in a Wireless Power Transfer System. In IEEE TRANSACTIONS ON ELECTROMAGNETIC COMPATIBILITY. ISSN 0018-9375, 2019, vol. 61, no. 5, pp. 1438-1446., Registrované v: WOS
358. [1.1] LU, Cui - MEI, Zhong Lei. Multi-functional lens based on conformal mapping. In OPTICS EXPRESS. ISSN 1094-4087, 2015, vol. 23, no. 15, pp. 19901., Registrované v: WOS
359. [1.1] LU, Guang - WANG, Wei - YAN, Fabao - DIAO, Chao - ZHOU, Xiachen - WU, Zhao - LIU, Fen - SUN, Yong - DU, Guiqiang - CHEN, Yao. Large area subwavelength cavity antenna with planar metamaterials. In AIP ADVANCES. ISSN 2158-3226, 2019, vol. 9, no. 2, 025032., Registrované v: WOS
360. [1.1] LU, Guizhen - DUAN, Zhonghang - YIN, Hongcheng - XIAO, Zhihe - ZHANG, Jing. Determining the Effective Electromagnetic Parameters of Photonic Crystal by Phase Unwrapping and Denoising Method. In INTERNATIONAL JOURNAL OF ANTENNAS AND PROPAGATION. ISSN 1687-5869, 2019, 8513150., Registrované v: WOS
361. [1.1] LV, Zengyao - LI, Zhencheng - XU, Wangdong - PEI, Yongmao. Implementing fractional order Fourier transformation and confocal imaging with microwave computational metamaterials. In EPL. ISSN 0295-5075, 2020, vol. 131, no. 2, 24001., Registrované v: WOS
362. [1.1] LYVERS, David P. - MOAZZEZI, Mojtaba - de SILVA, Vashista C. - et al. Cooperative bi-exponential decay of dye emission coupled via plasmons. In SCIENTIFIC REPORTS, 2018, vol. 8, 9508., Registrované v: WOS
363. [1.1] MAJI, Tuhin Kumar - VAIBHAV, Kumar - HAWALDAR, Ranjit - ADARSH, K. - PAL, Samir Kumar - KARMAKAR, Debjani. Intriguing electronic and optical prospects of FCC bimetallic two-dimensional heterostructures: epsilon near-zero behavior in UV-Vis range. In PHYSICAL CHEMISTRY CHEMICAL PHYSICS. ISSN 1463-9076, 2020, vol. 22, no. 28, pp. 16314-16324., Registrované v: WOS
364. [1.1] MAO, Libang - CAO, Tun. A tunable multiband chirped metasurface. In JOURNAL OF SCIENCE-ADVANCED MATERIALS AND DEVICES. ISSN 2468-2284, 2016, vol. 1, no. 3, pp. 393-399., Registrované v: WOS
365. [1.1] MASSANGO, Herieta - TSUTAOKA, Takanori - KASAGI, Teruhiro - YAMAMOTO, Shinichiro - HATAKEYAMA, Kenichi. Coexistence of gyromagnetic resonance and low frequency plasmonic state in the submicron Ni granular composite materials. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2017, vol. 121, no. 10, 103902., Registrované v: WOS
366. [1.1] MASULLO, Maria Rosaria - VACCARO, Vittorio Giorgio - LOSITO, Roberto - MASI, Alessandro - PASSARELLI, Andrea - CHIKHI,

- Nassim - PAPARI, Gianpaolo - ANDREONE, Antonello. Metamaterial-Based Absorbers for the Reduction of Accelerator Beam-Coupling Impedance. In IEEE TRANSACTIONS ON MICROWAVE THEORY AND TECHNIQUES. ISSN 0018-9480, 2020, vol. 68, no. 4, pp. 1340-1346., Registrované v: WOS
367. [1.1] MAURYA, Santosh K. - PANDEY, Abhishek - SHUKLA, Shobha - et al. Predicting double negativity using transmitted phase in space coiling metamaterials. In ROYAL SOCIETY OPEN SCIENCE, 2018, vol. 5, no. 5, 171042., Registrované v: WOS
368. [1.1] MAZINGUE, Gautier - BYRNE, Benedikt - ROMIER, Maxime - CAPET, Nicolas. 3D Printed Ceramic Antennas for Space Applications. In 2020 14TH EUROPEAN CONFERENCE ON ANTENNAS AND PROPAGATION (EUCAP 2020). ISSN 2164-3342, 2020, 220470150., Registrované v: WOS
369. [1.1] MA, Jun-Wen - ZHU, Xue-Qing - BI, Song - BAI, Gai-Yan - HOU, Zhi-Ling. Low-loss near-zero-index metamaterial based on a single board for broadband electromagnetic-wave switches. In OPTICS COMMUNICATIONS. ISSN 0030-4018, 2019, vol. 446, pp. 113-117., Registrované v: WOS
370. [1.1] MENG, Qinglong - ZHONG, Zheqiang - ZHANG, Bin. Hybrid three-dimensional dual- and broadband optically tunable terahertz metamaterials. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2017, vol. 7, 45708., Registrované v: WOS
371. [1.1] MENZEL, C. - SPERRHAKE, J. - PERTSCH, T. Efficient treatment of stacked metasurfaces for optimizing and enhancing the range of accessible optical functionalities. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 93, no. 6, pp., Registrované v: WOS
372. [1.1] MERZLIKIN, Alexander M. - PUZKO, Roman S. Homogenization of Maxwell's equations in a layered system beyond the static approximation. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2020, vol. 10, no. 1, 15783., Registrované v: WOS
373. [1.1] MESGOUEZ, A. Characterization of a viscoelastic heterogeneous object with an effective model by nonlinear full waveform inversion. In JOURNAL OF SOUND AND VIBRATION, 2018, vol. 422, pp. 189-209., Registrované v: WOS
374. [1.1] MIN, Li - HUANG, Lirong. Perspective on resonances of metamaterials. In OPTICS EXPRESS. ISSN 1094-4087, 2015, vol. 23, no. 15, pp. 19022., Registrované v: WOS
375. [1.1] MIYATA, Masashi - NAKAJIMA, Mitsumasa - HASHIMOTO, Toshikazu. Impedance-matched dielectric metasurfaces for non-discrete wavefront engineering. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2019, vol. 125, no. 10, 103106., Registrované v: WOS
376. [1.1] MOHAMADI, Taghi - YOUSEFI, Leila. Metamaterial-Based Energy Harvesting for Detectivity Enhanced Infrared Detectors. In PLASMONICS. ISSN 1557-1955, 2019, vol. 14, no. 4, pp. 815-822., Registrované v: WOS
377. [1.1] MONTANO, Ines - CAMPIONE, Salvatore - KLEM, John F. - et al. Semiconductor Hyperbolic Metamaterials at the Quantum Limit. In SCIENTIFIC REPORTS, 2018, vol. 8, 16694., Registrované v: WOS
378. [1.1] MOUHOUCHE, Faiza - AZRAR, Arab - DEHMAS, Mokrane - DJAFRI, Kahina. A Compact Multi-Band Monopole Antenna using Single

- Metamaterial for WLAN/WiMAX Applications. In ADVANCED ELECTROMAGNETICS. ISSN 2119-0275, 2019, vol. 8, no. 3, pp. 92-98., Registrované v: WOS
379. [1.1] MUZAFFAR, Khalid - MAGRAY, Muhammad Idrees - KARTHIKEYA, G. S. - KOUL, Shibban K. Wideband high aperture efficiency antennas with beam switching for mmWave 5G base stations. In INTERNATIONAL JOURNAL OF RF AND MICROWAVE COMPUTER-AIDED ENGINEERING. ISSN 1096-4290, 2020, vol. 30, no. 8, e22254., Registrované v: WOS
380. [1.1] NAOUI, Seif - LATRACH, Lassaad - GHARSALLAH, Ali. RFID Antenna by Using Metamaterials With Negative Effective Permeability. In 2015 2ND WORLD SYMPOSIUM ON WEB APPLICATIONS AND NETWORKING (WSWAN), 2015., Registrované v: WOS
381. [1.1] NASERI, Parinaz - MATOS, Sergio A. - LIMA, Eduardo B. - COSTA, Jorge R. - FERNANDES, Carlos A. - FONSECA, Nelson J. G. Efficient Evaluation of Gradient Transmit-Arrays Through an Equivalent Dispersive Dielectric Description. In IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION. ISSN 0018-926X, 2019, vol. 67, no. 9, pp. 5997-6007., Registrované v: WOS
382. [1.1] NEJATI, A. The effect of photonic crystal. In OPTIK, 2015, vol. 126, p. 2153., Registrované v: WOS
383. [1.1] NGUYEN, D. M. - SOCI, Cesare - OOI, C. H. Raymond. Coherently Tunable Triangular Trefoil Phaseonium Metamaterial. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2016, vol. 6, no., pp., Registrované v: WOS
384. [1.1] NGUYEN, Vinh N. - CAIRA, Nicholas W. - HESTER, Jimmy G. - DIMARZIO, Donald - KANESHIRO, Eric - GUTIERREZ-AITKEN, Augusto - RADISIC, Vesna. W-Band InP Transmission Line Metamaterial. In 2017 IEEE RADIO AND WIRELESS SYMPOSIUM (RWS). ISSN 2164-2958, 2017, pp. 76-78., Registrované v: WOS
385. [1.1] NIU, Xinxiang - HU, Xiaoyong - SUN, Quan - LU, Cuicui - YANG, Yuanmu - YANG, Hong - GONG, Qihuang. Polarization-selected nonlinearity transition in gold dolmens coupled to an epsilon-near-zero material. In NANOPHOTONICS. ISSN 2192-8606, 2020, vol. 9, no. 16, pp. 4839-4851., Registrované v: WOS
386. [1.1] NIU, Xinxiang - HU, Xiaoyong - LU, Cuicui - SHENG, Yan - YANG, Hong - GONG, Qihuang. Broadband dispersive free, large, and ultrafast nonlinear material platforms for photonics. In NANOPHOTONICS. ISSN 2192-8606, 2020, vol. 9, no. 15, pp. 4609-4618., Registrované v: WOS
387. [1.1] OTMAN, Naser A. - CADA, Michael. Phase-Matched Mid-Infrared Difference Frequency Generation Using a Nanostructured Gallium Arsenide Metamaterial With Nanoholes. In IEEE PHOTONICS JOURNAL. ISSN 1943-0655, 2020, vol. 12, no. 3, 5900110., Registrované v: WOS
388. [1.1] PANDEY, G.K. In APPLIED PHYSICS A, 2016, vol. 122, 134., Registrované v: WOS
389. [1.1] PANG, Hua - YAN, Jiahuan - YANG, Jie - LIU, Shiqi - PAN, Yuanyuan - ZHANG, Xiuying - SHI, Bowen - TANG, Hao - YANG, Jinbo - LIU, Qihang - XU, Lianqiang - WANG, Yangyang - LV, Jing. Bilayer tellurene-metal interfaces. In JOURNAL OF SEMICONDUCTORS. ISSN 1674-4926, 2019, vol. 40, no. 6, 062003., Registrované v: WOS

390. [1.1] PANOV, Andrey. Possibility of negative refraction for visible light in disordered all-dielectric resonant high index metasurfaces. In OPTIK. ISSN 0030-4026, 2020, vol. 206, 163739., Registrované v: WOS
391. [1.1] PAN, Bai Cao - ZHANG, Hao Chi - CUI, Tie Jun. Multilayer Transmissions of Spoof Surface Plasmon Polaritons for Multifunctional Applications. In ADVANCED MATERIALS TECHNOLOGIES. ISSN 2365-709X, 2017, vol. 2, no. 1, 1600159., Registrované v: WOS
392. [1.1] PAN, Y. In JOURNAL OF PHYSICAL CHEMISTRY, 2016, vol. 120, pp. 13063., Registrované v: WOS
393. [1.1] PAPADAKIS, Georgia T. - YEH, Pochi - ATWATER, Harry A. Retrieval of material parameters for uniaxial metamaterials. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 91, no. 15, 155406., Registrované v: WOS
394. [1.1] PAPATHANASOPOULOS, Anastasios - RAHMAT-SAMII, Yahya - GARCIA, Nicolas C. - CHISUM, Jonathan D. A Novel Collapsible Flat-Layered Metamaterial Gradient-Refractive-Index Lens Antenna. In IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION. ISSN 0018-926X, 2020, vol. 68, no. 3, pp. 1312-1321., Registrované v: WOS
395. [1.1] PARASHAR, Rishi - BHOMIA, Yogesh - SONI, Devendra - SARASWAT, Ritesh Kumar. A Multi-Band Frequency Reconfigurable Antenna for Wireless Applications. In 2019 10TH INTERNATIONAL CONFERENCE ON COMPUTING, COMMUNICATION AND NETWORKING TECHNOLOGIES (ICCCNT). ISSN 2162-7665, 2019., Registrované v: WOS
396. [1.1] PARASHAR, Rishi - BHOMIA, Yogesh - SONI, Devendra - SARASWAT, Ritesh Kumar. A Multiband Antenna for WLAN and WiMAX Wireless Applications. In 2020 IEEE 9TH INTERNATIONAL CONFERENCE ON COMMUNICATION SYSTEMS AND NETWORK TECHNOLOGIES (CSNT 2020). ISSN 2329-7182, 2020, pp. 1-4., Registrované v: WOS
397. [1.1] PARK, Jun Hyeong - LEE, Hyung Jin - KIM, Yoon Young. Characterization of anisotropic acoustic metamaterial slabs. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2016, vol. 119, no. 3, pp., Registrované v: WOS
398. [1.1] PARVEEN, Rashda - NAQVI, Qaisar A. Study of Lateral Shift in the Presence of Lossy Dispersive Dielectric-Magnetic Uniaxial Left Handed Structure using Lorentz-Drude Medium Model. In OPTIK. ISSN 0030-4026, 2020, vol. 224, 165676., Registrované v: WOS
399. [1.1] PATEL, Shobhit K. - SORATHIYA, Vishal - LAVADIYA, Sunil - TRUONG KHANG NGUYEN - DHASARATHAN, Vigneswaran. Polarization insensitive graphene-based tunable frequency selective surface for far-infrared frequency spectrum. In PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES. ISSN 1386-9477, 2020, vol. 120, 114049., Registrované v: WOS
400. [1.1] PATE, Shobhit K. - SORATHIYA, Vishal - LAVADIYA, Sunil - LUO, Yanhua - TRUONG KHANG NGUYEN - DHASARATHAN, Vigneswaran. Numerical analysis of polarization-insensitive squared spiral-shaped graphene metasurface with negative refractive index. In APPLIED PHYSICS B-LASERS AND OPTICS. ISSN 0946-2171, 2020, vol. 126, no. 5, 80., Registrované v: WOS
401. [1.1] PAUL, Nees - CHAKYAR, Sreedevi P. - UMADEVI, K. S. - SIKHA, Simon K. - KIZHAKOODEN, Joe - ANDREWS, Jolly - JOSEPH, V. P.

- Humidity Sensitive Flexible Microwave Absorbing Sheet Using Polyaniline-Polytetrafluoroethylene Composite. In ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING. ISSN 2193-567X, 2019, vol. 44, no. 1, pp. 553-560., Registrované v: WOS
402. [1.1] PFIESTER, N. A. - VANDERVELDE, T. E. Selective emitters for thermophotovoltaic applications. In PHYSICA STATUS SOLIDI A-APPLICATIONS AND MATERIALS SCIENCE, 2017, vol. 214, no. 1, 1600410., Registrované v: WOS
403. [1.1] POPOV, Evgeny - FEHREMBACH, Anne-Laure - LI, Lifeng. Semi-phenomenological effective permittivity approach to metallic periodic structures. In OPTICS EXPRESS, 2018, vol. 26, no. 10, pp. 12813-12837., Registrované v: WOS
404. [1.1] PREMLAL, Prabhakaran Letha - TIWARI, Dinesh Chandra - CHATURVEDI, Vandana. Enhanced transmission by a grating composed of left-handed materials. In EUROPEAN PHYSICAL JOURNAL B, 2018, vol. 91, no. 5, 78., Registrované v: WOS
405. [1.1] QAMAR, Zeeshan - NAEEM, Umair - KHAN, Shahid A. - CHONGCHEAWCHAMNAN, Mitchai - SHAFIQUE, M. Farhan. Mutual Coupling Reduction for High-Performance Densely Packed Patch Antenna Arrays on Finite Substrate. In IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION. ISSN 0018-926X, 2016, vol. 64, no. 5, pp. 1653-1660., Registrované v: WOS
406. [1.1] QI, J. In URSI INT. SYMP. ON ELECTROMAGN. THEORY, 2016, pp. 715., Registrované v: WOS
407. [1.1] QI, Yingyi - GAO, Zehua - LAN, Chuwen - WU, Maopeng - ZHAO, Qian. Vector Magnetic Near-Field Measurement in Unit Cell of Metamaterial. In PROGRESS IN ELECTROMAGNETICS RESEARCH M, 2020, vol. 92, pp. 127-136., Registrované v: WOS
408. [1.1] QUIROZ, Heiddy P. - BARRERA-PATINO, C. P. - REY-GONZALEZ, R. R. - DUSSAN, A. Evidence of iridescence in TiO₂ nanostructures: An approximation in plane wave expansion method. In PHOTONICS AND NANOSTRUCTURES-FUNDAMENTALS AND APPLICATIONS. ISSN 1569-4410, 2016, vol. 22, no., pp. 46-50., Registrované v: WOS
409. [1.1] RAJAK, Neha - CHATTORAJ, Neela. Design and Analysis of a Bandwidth Enhanced Antenna Based on Metasurface For Wireless Applications. In 2016 IEEE UTTAR PRADESH SECTION INTERNATIONAL CONFERENCE ON ELECTRICAL, COMPUTER AND ELECTRONICS ENGINEERING (UPCON), 2016, vol., no., pp. 367-371., Registrované v: WOS
410. [1.1] RAJALAKSHMI, P. - GUNAVATHI, N. Gain Enhancement of Cross Shaped Patch Antenna for IEEE 802.11ax Wi-Fi Applications. In PROGRESS IN ELECTROMAGNETICS RESEARCH LETTERS, 2018, vol. 80, pp. 91-99., Registrované v: WOS
411. [1.1] RAJASEKHAR, N. V. - SRIRAMKUMAR, D. A Triple band Compact Asymmetric Monopole-SRR based Antenna for Wi-Max, WLAN and RFID Applications. In 2015 INTERNATIONAL CONFERENCE ON MICROWAVE, OPTICAL AND COMMUNICATION ENGINEERING (ICMOCE), 2015, vol., no., pp. 96., Registrované v: WOS
412. [1.1] RAJESHKUMAR, V. A compact asymmetric monopole antenna. In MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, 2015,

vol. 57, p. 2194., Registrované v: WOS

413. [1.1] RAJESHKUMAR, V. - RAGHAVAN, S. BANDWIDTH ENHANCED COMPACT FRACTAL ANTENNA FOR UWB APPLICATIONS WITH 5-6 GHZ BAND REJECTION. In MICROWAVE AND OPTICAL TECHNOLOGY LETTERS. ISSN 0895-2477, 2015, vol. 57, no. 3, pp. 607., Registrované v: WOS

414. [1.1] RAJESHKUMAR, V. - RAGHAVAN, S. A Compact asymmetric monopole antenna with electrically coupled SRR for WiMAX/WLAN/UWB applications. In MICROWAVE AND OPTICAL TECHNOLOGY LETTERS. ISSN 0895-2477, 2015, vol. 57, no. 9, pp. 2194., Registrované v: WOS

415. [1.1] RAJKUMAR, Rengasamy - KIRAN, Kommuri Usha. A compact metamaterial multiband antenna for WLAN/WiMAX/ITU band applications. In AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS. ISSN 1434-8411, 2016, vol. 70, no. 5, pp. 599-604., Registrované v: WOS

416. [1.1] RAJKUMAR, Rengasamy - KOMMURI, Usha Kiran. A Triangular Complementary Split Ring Resonator Based Compact Metamaterial Antenna for Multiband Operation. In WIRELESS PERSONAL COMMUNICATIONS, 2018, vol. 101, no. 2, pp. 1075-1089., Registrované v: WOS

417. [1.1] RAJKUMAR, R. - KIRAN, K. U. A metamaterial inspired compact open split ring resonator antenna for multiband operation. In WIRELESS PERSONAL COMMUNICATIONS, 2017, vol. 97, no. 1, pp. 951 - 965., Registrované v: WOS

418. [1.1] RANA, Ahsan Sarwar - MEHMOOD, Muhammad Qasim - JEONG, Heongyeong - et al. Tungsten-based Ultrathin Absorber for Visible Regime. In SCIENTIFIC REPORTS, 2018, vol. 8, 2443., Registrované v: WOS

419. [1.1] RANA, Ahsan Sarwar - MEHMOOD, Muhammad Qasim - JEONG, Heongyeong - et al. Ultra-broadband Tungsten Absorber. In Conference: Progress in Electromagnetics Research Symposium (PIERS-Toyama), Book Series: Progress in Electromagnetics Research Symposium, 2018, pp. 297-300., Registrované v: WOS

420. [1.1] RANI, Boopathi R. - PANDEY, Shashi Krishna. Printed CPW-fed dual-band antenna using square closed-ring and square split-ring resonator. In APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING. ISSN 0947-8396, 2020, vol. 126, no. 8, 626., Registrované v: WOS

421. [1.1] RATNI, Badreddine - YI, Jianjia - DING, Xumin - et al. Gradient phase partially reflecting surfaces for beam steering in microwave antennas. In OPTICS EXPRESS, 2018, vol. 26, no. 6, pp. 6724-6738., Registrované v: WOS

422. [1.1] REN, Qun - YOU, Jian Wei - PANOIU, Nicolae-Coriolan. Comparison Between the Linear and Nonlinear Homogenization of Graphene and Silicon Metasurfaces. In IEEE ACCESS. ISSN 2169-3536, 2020, vol. 8, pp. 175753-175764., Registrované v: WOS

423. [1.1] REN, Qun - YOU, Jian Wei - PANOIU, Nicolae C. Giant enhancement of the effective Raman susceptibility in metasurfaces made of silicon photonic crystal nanocavities. In OPTICS EXPRESS, 2018, vol. 26, no. 23, pp. 30383-30392., Registrované v: WOS

424. [1.1] REN, Wang - WANG, Peng-Hong. Design of a Quad-Band Monopole Antenna with Independent Frequency Control. In JOURNAL OF CIRCUITS SYSTEMS AND COMPUTERS. ISSN 0218-1266, 2019, vol. 28, no. 6, 1950101., Registrované v: WOS
425. [1.1] REVILLA, M. - LORENZO, J. C. - HERMOSA, N. A paraxial cloak with four lenses of different focal lengths. In EUROPEAN JOURNAL OF PHYSICS. ISSN 0143-0807, 2019, vol. 40, no. 3, 035303., Registrované v: WOS
426. [1.1] RIZWAN, M. In CHINESE JOURNAL OF PHYSICS, 2016, vol. 54, pp. 587., Registrované v: WOS
427. [1.1] ROCCAPRIORE, Kevin M. - LYVERS, David P. - BROWN, Dean P. - et al. Waveguide Coupling via Magnetic Gratings with Effective Strips. In APPLIED SCIENCES-BASEL, 2018, vol. 8, no. 4, 617., Registrované v: WOS
428. [1.1] RODRIGO, Sergio G. - MARTIN-MORENO, Luis. Absorption-induced transparency metamaterials in the terahertz regime. In OPTICS LETTERS. ISSN 0146-9592, 2016, vol. 41, no. 2, pp. 293-296., Registrované v: WOS
429. [1.1] RODRIGUEZ, E. S. G. - MACHNOOR, M. - LAZZI, G. On the generation of nondiffracting beams in extremely subwavelength applications. In IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, 2017, vol. 65, no 10, pp. 5228 - 5237., Registrované v: WOS
430. [1.1] ROHDE, Ulrich L. - PODDAR, Ajay K. Mobius Metamaterial Strips: Opportunity, Trends, Challenges and Future. In MICROWAVE JOURNAL. ISSN 0192-6225, 2016, vol. 59, no. 7, pp. 62-+, Registrované v: WOS
431. [1.1] ROHDE, U.L. In MICROWAVE JOURNAL, 2016, vol. 59, pp. 60., Registrované v: WOS
432. [1.1] ROCHA XAVIER, George Victor - RENE SERRES, Alexandre Jean - DA COSTA, Edson Guedes - DE OLIVEIRA, Adriano Costa - MEDEIROS MARTINS NOBREGA, Luiz Augusto - DE SOUZA, Vladimir Cesarino. Design and Application of a Metamaterial Superstrate on a Bio-Inspired Antenna for Partial Discharge Detection through Dielectric Windows. In SENSORS, 2019, vol. 19, no. 19, 4255., Registrované v: WOS
433. [1.1] RONG, Cancan - TAO, Xiong - LU, Conghui - HU, Zhaoyang - HUANG, Xiutao - ZENG, Yingqin - LIU, Minghai. Analysis and Optimized Design of Metamaterials for Mid-Range Wireless Power Transfer Using a Class-E RF Power Amplifier. In APPLIED SCIENCES-BASEL. ISSN 2076-3417, 2019, vol. 9, no. 1, 26., Registrované v: WOS
434. [1.1] ROSALINE, S. A compact dual band antenna. In MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, 2015, vol. 57, p. 741., Registrované v: WOS
435. [1.1] ROSALINE, S. Imaculate - RAGHAVAN, Singaravelu. CSRR-BASED COMPACT PENTA BAND PRINTED ANTENNA FOR GPS/GSM/WLAN/WiMAX APPLICATIONS. In MICROWAVE AND OPTICAL TECHNOLOGY LETTERS. ISSN 0895-2477, 2015, vol. 57, no. 7, pp. 1538., Registrované v: WOS
436. [1.1] ROSALINE, S. Imaculate - RAGHAVAN, S. Metamaterial inspired monopole antenna for WLAN/WiMAX applications. In MICROWAVE AND OPTICAL TECHNOLOGY LETTERS. ISSN 0895-2477, 2016, vol. 58, no. 4, pp. 936-939., Registrované v: WOS

437. [1.1] ROSALINE, S. Imaculate - RAGHAVAN, S. DESIGN OF SPLIT RING ANTENNAS FOR WLAN AND WiMAX APPLICATIONS. In MICROWAVE AND OPTICAL TECHNOLOGY LETTERS. ISSN 0895-2477, 2016, vol. 58, no. 9, pp. 2117-2122., Registrované v: WOS
438. [1.1] ROWE, Tyler - BEHDAD, Nader - BOOSKE, John H. Metamaterial-Enhanced Resistive Wall Amplifier Design Using Periodically Spaced Inductive Meandered Lines. In IEEE TRANSACTIONS ON PLASMA SCIENCE. ISSN 0093-3813, 2016, vol. 44, no. 10, pp. 2476-2484., Registrované v: WOS
439. [1.1] ROZINA, S. In IOP CONFERENCE SERIES- MATERIALS SCIENCE AND ENGINEERING, 2016, vol. 161, UNSP 012060., Registrované v: WOS
440. [1.1] RUFANGURA, Patrick - SABAH, Cumali. Wide-band polarization independent perfect metamaterial absorber based on concentric rings topology for solar cells application. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2016, vol. 680, no., pp. 473-479., Registrované v: WOS
441. [1.1] SABET, R. A. - KHOSHISIMA, H. Utilizing the plasmonic resonance to enhance three wave mixing effects in nano-scale cut-wire. In OPTICAL AND QUANTUM ELECTRONICS. ISSN 0306-8919, 2015, vol. 47, no. 10, pp. 3337., Registrované v: WOS
442. [1.1] SADANANDA, Karthikeya Gulur - ABEGAONKAR, Mahesh P. - KOUL, Shibani K. Gain Equalized Shared-Aperture Antenna Using Dual-Polarized ZIM for mmWave 5G Base Stations. In IEEE ANTENNAS AND WIRELESS PROPAGATION LETTERS. ISSN 1536-1225, 2019, vol. 18, no. 6, pp. 1100-1104., Registrované v: WOS
443. [1.1] SAKAI, Osamu - IWAI, Akinori - OMURA, Yoshiharu. Invariance of parameter identification in multiscales of meta-atoms in metamaterials. In ADVANCES IN PHYSICS-X, 2018, vol. 3, no. 1, UNSP 1433551., Registrované v: WOS
444. [1.1] SALEH, Amany M. - MAHMOUD, K. R. - IBRAHIM, Ibrahim I. - ATTIYA, Ahmed M. Analysis of anisotropic metasurfaces using generalized sheet transition condition. In JOURNAL OF ELECTROMAGNETIC WAVES AND APPLICATIONS. ISSN 0920-5071, 2016, vol. 30, no. 5, pp. 661-676., Registrované v: WOS
445. [1.1] SALEH, A.M. In 33RD NATIONAL RADIO SCIENCE CONFERENCE (NRSC), 2016, pp. 49., Registrované v: WOS
446. [1.1] SARASWAT, Ritesh Kumar - KUMAR, Mithilesh. Implementation of Metamaterial Loading to Miniaturized UWB Dipole Antenna for WLAN and WiMAX Applications with Tunability Characteristics. In IETE JOURNAL OF RESEARCH. ISSN 0377-2063, 2019., Registrované v: WOS
447. [1.1] SARASWAT, Ritesh Kumar - KUMAR, Mithilesh. A metamaterial loaded hybrid fractal multiband antenna for wireless applications with frequency band reconfigurability characteristics. In FREQUENZ. ISSN 0016-1136, 2020, vol. 74, no. 11-12, pp. 401-416., Registrované v: WOS
448. [1.1] SARASWAT, Ritesh Kumar - KUMAR, Mithilesh. A Quad Band Metamaterial Miniaturized Antenna for Wireless Applications with Gain Enhancement. In WIRELESS PERSONAL COMMUNICATIONS. ISSN 0929-6212, 2020, vol. 114, no. 4, pp. 3595-3612., Registrované v: WOS
449. [1.1] SARASWAT, Ritesh Kumar - KUMAR, Mithilesh.

- Implementation of hybrid fractal metamaterial inspired frequency band reconfigurable multiband antenna for wireless applications. In INTERNATIONAL JOURNAL OF RF AND MICROWAVE COMPUTER-AIDED ENGINEERING. ISSN 1096-4290, 2020, vol. 30, no. 9, e22315., Registrované v: WOS
450. [1.1] SARASWAT, Ritesh K. - KUMAR, Mithilesh. A metamaterial hepta-band antenna for wireless applications with specific absorption rate reduction. In INTERNATIONAL JOURNAL OF RF AND MICROWAVE COMPUTER-AIDED ENGINEERING. ISSN 1096-4290, 2019, vol. 29, no. 10, e21824., Registrované v: WOS
451. [1.1] SAVIN, Adriana - STEIGMANN, Rozina - BRUMA, Alina - STURM, Roman. An Electromagnetic Sensor with a Metamaterial Lens for Nondestructive Evaluation of Composite Materials. In SENSORS. ISSN 1424-8220, 2015, vol. 15, no. 7, pp. 15903., Registrované v: WOS
452. [1.1] SELVI, N. Thamil - SELVAN, P. Thiruvallar - BABU, S. P. K. - PANDEESWARI, R. Multiband metamaterial-inspired antenna using split ring resonator. In COMPUTERS & ELECTRICAL ENGINEERING. ISSN 0045-7906, 2020, vol. 84, 106613., Registrované v: WOS
453. [1.1] SEMOUCHKINA, Elena - DUAN, Ran - GANDJI, Navid P. - JAMILAN, Saeid - SEMOUCHKIN, George - PANDEY, Ravi. Superluminal media formed by photonic crystals for transformation optics-based invisibility cloaks. In JOURNAL OF OPTICS. ISSN 2040-8978, 2016, vol. 18, no. 4, pp., Registrované v: WOS
454. [1.1] SEN, Sarbani - MOYRA, Tamasi - SARKAR, Dwipjoy. Modelling and validation of microwave LPF using modified rectangular split ring resonators (SRR) and defected structures. In AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS, 2018, vol. 88, pp. 1-10., Registrované v: WOS
455. [1.1] SHAH, Yash D. - GRANT, James - HAO, Danni - et al. Ultra-narrow Line Width Polarization-Insensitive Filter Using a Symmetry-Breaking Selective Plasmonic Metasurface. In ACS PHOTONICS, 2018, vol. 5, no. 2, pp. 663-+, Registrované v: WOS
456. [1.1] SHAJI, Athul - MENON, Sreedevi K. Artificial Anisotropic Material for Gain Enhancement of Vivaldi Antenna. In Conference: 2nd International Conference on Advances in Electronics, Computers and Communications (ICAEECC), 2018., Registrované v: WOS
457. [1.1] SHARMA, Narinder - BHATIA, Sumeet Singh. Metamaterial inspired fidget spinner-shaped antenna based on parasitic split ring resonator for multi-standard wireless applications. In JOURNAL OF ELECTROMAGNETIC WAVES AND APPLICATIONS. ISSN 0920-5071, 2020, vol. 34, no. 10, pp. 1471-1490., Registrované v: WOS
458. [1.1] SHEMELYA, Corey - PFIESTER, Nicole A. - DeMEO, Dante - et al. Multiple Metamaterial Pattern Integration for Polarization Selective Photodetector Applications. In MRS ADVANCES, 2018, vol. 3, no. 33, pp. 1907-1912., Registrované v: WOS
459. [1.1] SHESTOPALOV, Y. Justification of Mathematical Imaging Technique for the Permittivity Determination of Layered Dielectrics in a Waveguide. In PROCEEDINGS OF THE 2019 INTERNATIONAL CONFERENCE ON ELECTROMAGNETICS IN ADVANCED APPLICATIONS (ICEAA), 2019, pp. 143-146., Registrované v: WOS

460. [1.1] SHETTY, Hitha D. - PRASAD, V. Existence of negative permittivity in carbon coated iron nanoparticle PDMS composites. In MATERIALS CHEMISTRY AND PHYSICS. ISSN 0254-0584, 2017, vol. 196, pp. 153-159., Registrované v: WOS
461. [1.1] SHIN, Dongheok - KIM, Junhyun - KIM, Changwook - BAE, Kyuyoung - BAEK, Seunghwa - KANG, Gumin - URZHUMOV, Yaroslav - SMITH, David R. - KIM, Kyoungsik. Scalable variable-index elasto-optic metamaterials for macroscopic optical components and devices. In NATURE COMMUNICATIONS. ISSN 2041-1723, 2017, vol. 8., Registrované v: WOS
462. [1.1] SHIRMANESH, Ghazaleh Kafaie - KHAVASI, Amin - MEHRANY, Khashayar. Accurate effective medium theory for arrays of metallic nanowires. In JOURNAL OF OPTICS. ISSN 2040-8978, 2015, vol. 17, no. 2, 025104., Registrované v: WOS
463. [1.1] SHI, Bowen - WANG, Yangyang - LI, Jingzhen - et al. n-Type Ohmic contact and p-type Schottky contact of monolayer InSe transistors. In PHYSICAL CHEMISTRY CHEMICAL PHYSICS, 2018, vol. 20, no. 38, pp. 24641-24651., Registrované v: WOS
464. [1.1] SHI, C. - LUXMOORE, I. J. - NASH, G. R. Gate tunable graphene-integrated metasurface modulator for mid-infrared beam steering. In OPTICS EXPRESS. ISSN 1094-4087, 2019, vol. 27, no. 10, pp. 14577-14584., Registrované v: WOS
465. [1.1] SHI, Jiangchao - YANG, Xiaobo - HU, Jin. Exposing and extending the interior waves field by transformation materials. In JOURNAL OF OPTICS. ISSN 2040-8978, 2020, vol. 22, no. 3, 035706., Registrované v: WOS
466. [1.1] SHI, J. - AKBARZADEH, A. H. Hierarchical cellular ferroelectric metamaterials: A design motif to enhance multifunctional figures of merit. In COMPOSITE STRUCTURES. ISSN 0263-8223, 2020, vol. 250, 112395., Registrované v: WOS
467. [1.1] SHI, Kezhang - BAO, Fanglin - HE, Sailing. Spectral Control of Near-Field Thermal Radiation With Periodic Cross Resonance Metasurfaces. In IEEE JOURNAL OF QUANTUM ELECTRONICS, 2018, vol. 54, no. 1, 7000107., Registrované v: WOS
468. [1.1] SHI, Xi - XUE, Chunhua - JIANG, Haitao - CHEN, Hong. Topological description for gaps of one-dimensional symmetric all-dielectric photonic crystals. In OPTICS EXPRESS. ISSN 1094-4087, 2016, vol. 24, no. 16, pp. 18580-18591., Registrované v: WOS
469. [1.1] SHI, Y. - LI, Z.-Y. - LI, K. - et al. A retrieval method of effective electromagnetic parameters for inhomogeneous metamaterials. In IEEE TRANSACTIONS ON MICROWAVE THEORY AND TECHNIQUES, 2017, vol. 65, no. 4, pp. 1160 - 1178., Registrované v: WOS
470. [1.1] SHVONSKI, A. J. - KONG, J. - KEMPA, K. Nonlocal extensions of the electromagnetic response of plasmonic and metamaterial structures. In PHYSICAL REVIEW B, 2017, vol. 95, no. 4, 045149., Registrované v: WOS
471. [1.1] SCHWAN, Logan - UMNova, Olga - BOUTIN, Claude - et al. Nonlocal boundary conditions for corrugated acoustic metasurface with strong near-field interactions. In JOURNAL OF APPLIED PHYSICS, 2018, vol. 123, no. 9, 091712., Registrované v: WOS
472. [1.1] SILVA, Bruno P. - COSTA, Carlos H. Tuning band structures of photonic multilayers with positive and negative refractive index materials

- according to generalized Fibonacci and Thue-Morse sequences. In JOURNAL OF PHYSICS-CONDENSED MATTER. ISSN 0953-8984, 2020, vol. 32, no. 13, 135703., Registrované v: WOS
473. [1.1] SINDLER, M. - KADLEC, C. - NEMEC, H. - DOMINEC, F. - KUZEL, P. - ELISSALDE, C. - CHUNG, U.C. - MOUNAIX, P. THz response of TiO₂ microspheres embedded in a dielectric layer. In 2015 40TH INTERNATIONAL CONFERENCE ON INFRARED, MILLIMETER AND TERAHERTZ WAVES (IRMMW-THZ). ISSN 2162-2027, 2015., Registrované v: WOS
474. [1.1] SINDLER, M. - KADLEC, C. - DOMINEC, F. - KUZEL, P. - ELISSALDE, C. - KASSAS, A. - LESSEUR, J. - BERNARD, D. - MOUNAIX, P. - NEMEC, H. Bulk magnetic terahertz metamaterials based on dielectric microspheres. In OPTICS EXPRESS. ISSN 1094-4087, 2016, vol. 24, no. 16, pp. 18340-18345., Registrované v: WOS
475. [1.1] SINGH, Ghanshyam - KANAUIA, Binod Kumar - PANDEY, Vijay K. - GANGWAR, Deepak - KUMAR, Sachin. Design of compact dual-band patch antenna loaded with D-shaped complementary split ring resonator. In JOURNAL OF ELECTROMAGNETIC WAVES AND APPLICATIONS. ISSN 0920-5071, 2019, vol. 33, no. 16, pp. 2096-2111., Registrované v: WOS
476. [1.1] SINGH, Harbinder - SOHI, Balwinder Singh - GUPTA, Amit. Thickness invariant parameter retrieval techniques for permittivity and permeability measurement. In JOURNAL OF MICROWAVE POWER AND ELECTROMAGNETIC ENERGY, 2018, vol. 52, no. 3, pp. 215-239., Registrované v: WOS
477. [1.1] SINGH, Leena - SINGH, Ranjan - ZHANG, Weili. Ultra-high terahertz index in deep subwavelength coupled bi-layer free-standing flexible metamaterials. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2017, vol. 121, no. 23, 233103., Registrované v: WOS
478. [1.1] SLOVICK, Brian A. - ZHOU, You - YU, Zhi Gang - KRAVCHENKO, Ivan I. - BRIGGS, Dayrl P. - MOITRA, Parikshit - KRISHNAMURTHY, Srini - VALENTINE, Jason. Metasurface polarization splitter. In PHILOSOPHICAL TRANSACTIONS OF THE ROYAL SOCIETY A-MATHEMATICAL PHYSICAL AND ENGINEERING SCIENCES. ISSN 1364-503X, 2017, vol. 375, no. 2090, 20160072., Registrované v: WOS
479. [1.1] SOEMPHOL, Ch. In JOURNAL OF OPTICS, 2016, vol. 18, 025102., Registrované v: WOS
480. [1.1] SOHEILIFAR, Mohammad Reza - SADEGHZADEH, Ramazan Ali. Design, fabrication and characterisation of scaled and stacked layers planar metamaterial absorber. In IET MICROWAVES ANTENNAS & PROPAGATION. ISSN 1751-8725, 2015, vol. 9, no. 1, pp. 86., Registrované v: WOS
481. [1.1] SOHEILIFAR, M.R. Design, fabrication and characterization of stacked layers. In AEU-international journal of electronics and communications, 2015, vol. 69, p. 126., Registrované v: WOS
482. [1.1] SONG Jia-Kun. Exploring electromagnetic response. In CHINESE PHYSICS B, 2015, vol. 24, 104103., Registrované v: WOS
483. [1.1] SONG, Jiakun - LIU, Jietao - SONG, Yuzhi - LI, Kangwen - ZHANG, Zuyin - XU, Yun - WEI, Xin - SONG, Guofeng. Plasmon-Induced Transparency and Dispersionless Slow Light in a Novel Metamaterial. In IEEE

- PHOTONICS TECHNOLOGY LETTERS. ISSN 1041-1135, 2015, vol. 27, no. 11, pp. 1177., Registrované v: WOS
484. [1.1] SONG, Zhengyong - CHEN, Apeng - ZHANG, Jiahe - WANG, Jiayuan. Integrated metamaterial with functionalities of absorption and electromagnetically induced transparency. In OPTICS EXPRESS. ISSN 1094-4087, 2019, vol. 27, no. 18, pp. 25196-25204., Registrované v: WOS
485. [1.1] SONG, Zhengyong - CHEN, Apeng - ZHANG, Jiahe. Terahertz switching between broadband absorption and narrowband absorption. In OPTICS EXPRESS. ISSN 1094-4087, 2020, vol. 28, no. 2, pp. 2037-2044., Registrované v: WOS
486. [1.1] SONG, Zhengyong - JIANG, Mingwei - DENG, Yide - CHEN, Apeng. Wide-angle absorber with tunable intensity and bandwidth realized by a terahertz phase change material. In OPTICS COMMUNICATIONS. ISSN 0030-4018, 2020, vol. 464, 125494., Registrované v: WOS
487. [1.1] SONG, Zhengyong - ZHANG, Bichuan. Controlling wideband absorption and electromagnetically induced transparency via a phase change material. In EPL. ISSN 0295-5075, 2020, vol. 129, no. 5, 57003., Registrované v: WOS
488. [1.1] SONG, Zhengyong - ZHANG, Jiahe. Achieving broadband absorption and polarization conversion with a vanadium dioxide metasurface in the same terahertz frequencies. In OPTICS EXPRESS. ISSN 1094-4087, 2020, vol. 28, no. 8, pp. 12487-12497., Registrované v: WOS
489. [1.1] SORATHIYA, Vishal - PATEL, Shobhit K. - KATRODIYA, Devang. Tunable graphene-silica hybrid metasurface for far-infrared frequency. In OPTICAL MATERIALS. ISSN 0925-3467, 2019, vol. 91, pp. 155-170., Registrované v: WOS
490. [1.1] SORATHIYA, Vishal - DAVE, Vibhuti. Numerical study of a high negative refractive index based tunable metamaterial structure by graphene split ring resonator for far infrared frequency. In OPTICS COMMUNICATIONS. ISSN 0030-4018, 2020, vol. 456, 124581., Registrované v: WOS
491. [1.1] SO, Chol - ZHANG, Han - WANG, Yangyang - YE, Meng - PAN, Yuanyuan - QUHE, Ruge - LI, Jing Zhen - ZHANG, Xiuying - ZHOU, Yunsong - LU, Jing. A computational study of monolayer hexagonal WTe₂ to metal interfaces. In PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS. ISSN 0370-1972, 2017, vol. 254, no. 9, 1600837., Registrované v: WOS
492. [1.1] STOJANOVIC, Danka B. - RADOVANOVIC, Jelena - MILANOVIC, Vitomir. Delay times in a terahertz chiral metamaterial slab. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 94, no. 2, pp., Registrované v: WOS
493. [1.1] SUNTER, Kristen A. - BERGGREN, Karl K. Optical modeling of superconducting nanowire single photon detectors using the transfer matrix method. In APPLIED OPTICS, 2018, vol. 57, no. 17, pp. 4872-4883., Registrované v: WOS
494. [1.1] SUN, Jingye - LUCYSZYN, Stepan. Extracting Complex Dielectric Properties From Reflection-Transmission Mode Spectroscopy. In IEEE ACCESS, 2018, vol. 6, pp. 8302-8321., Registrované v: WOS
495. [1.1] SUN, J. Experimental demonstration of anomalous field. In SCIENTIFIC REPORTS, 2015, vol. 5, 16154., Registrované v: WOS
496. [1.1] SU, Yuanyan - CHEN, Zhi Ning. A Flat Dual-Polarized

Transformation-Optics Beamscanning Luneburg Lens Antenna Using PCB-Stacked Gradient Index Metamaterials. In IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, 2018, vol. 66, no. 10, pp. 5088-5097., Registrované v: WOS

497. [1.1] SWETT, Dwight W. Near Zero Index Perfect Metasurface Absorber using Inverted Conformal Mapping. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2020, vol. 10, no. 1, 9731., Registrované v: WOS

498. [1.1] SYTCHKOVA, A. In PROCEEDINGS OF SPIE, 2016, vol. 9929, UNSP 99290E., Registrované v: WOS

499. [1.1] SYTCHKOVA, A. Prototyping fishnet metamaterials. In PROCEEDINGS OF SPIE, 2015, vol. 9627, 96271J., Registrované v: WOS

500. [1.1] TAK, Jinpil - JEONG, Eun - CHOI, Jaehoon. Metamaterial absorbers for 24-GHz automotive radar applications. In JOURNAL OF ELECTROMAGNETIC WAVES AND APPLICATIONS. ISSN 0920-5071, 2017, vol. 31, no. 6, pp. 577-593., Registrované v: WOS

501. [1.1] TAK, J. In MICROWAVE A.OPTICAL TECHNOLOGY LETTERS, 2016, vol. 58, pp. 2052., Registrované v: WOS

502. [1.1] TAK, J. - CHOI, J. A wearable metamaterial microwave absorber. In IEEE ANTENNAS AND WIRELESS PROPAGATION LETTERS, 2017, vol. 16, pp. 784 - 787., Registrované v: WOS

503. [1.1] TAMIM, Ahmed Mahfuz - FARUQUE, Mohammad Rashed Iqbal - ISLAM, Mohammad Tariqul - ABDULLAH, Sabirin. Split ring resonator loaded EF-structured left-handed metamaterial for modern electronic communications star. In EUROPEAN PHYSICAL JOURNAL-APPLIED PHYSICS. ISSN 1286-0042, 2020, vol. 88, no. 3, 30901., Registrované v: WOS

504. [1.1] TANASKOVIC, Dragan - JAKSIC, Zoran - OBRADOV, Marko - JAKSIC, Olga. Super Unit Cells in Aperture-Based Metamaterials. In JOURNAL OF NANOMATERIALS. ISSN 1687-4110, 2015, 312064., Registrované v: WOS

505. [1.1] TANASKOVIC, Dragan - OBRADOV, Marko - JAKSIC, Olga - JAKSIC, Zoran. Nonlocal effects in double fishnet metasurfaces nanostructured at deep subwavelength level as a path toward simultaneous sensing of multiple chemical analytes. In PHOTONICS AND NANOSTRUCTURES-FUNDAMENTALS AND APPLICATIONS. ISSN 1569-4410, 2016, vol. 18, no., pp. 36-42., Registrované v: WOS

506. [1.1] TANG, Jiazhi - FARAZ, Faizan - CHEN, Xiaoming - ZHANG, Qingqing - LI, Qinlong - LI, Yingsong - ZHANG, Shuai. A Metasurface Superstrate for Mutual Coupling Reduction of Large Antenna Arrays. In IEEE ACCESS. ISSN 2169-3536, 2020, vol. 8, no., pp. 126859-126867., Registrované v: WOS

507. [1.1] TANG, Jie - ZHOU, Yun - LIU, Nan - SHEN, Su. Flexible, double-sided broadband optical absorber based on tapered concave nanostructure. In APPLIED PHYSICS EXPRESS. ISSN 1882-0778, 2020, vol. 13, no. 6, 064001., Registrované v: WOS

508. [1.1] TANG, Shiwei - HE, Qiong - XIAO, Shiyi - HUANG, Xueqin - ZHOU, Lei. Fractal plasmonic metamaterials: physics and applications. In NANOTECHNOLOGY REVIEWS. ISSN 2191-9089, 2015, vol. 4, no. 3, pp. 277., Registrované v: WOS

509. [1.1] TAPSANIT, P. - YAMASHITA, M. - OTANI, CH. - et al. Closed-form formulae of effective parameters of hyperbolic metamaterial made

- by stacked hole-array layers working at terahertz or microwave radiation. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS, 2017 vol. 34, no. 9, pp. 1930 - 1936., Registrované v: WOS
510. [1.1] TASKHIRI, Mohammad Mahdi - KHALAJ-AMIRHOSSEINI, Mohammad. Inhomogeneous lens antenna design with fan-beam radiation pattern. In CHINESE OPTICS LETTERS. ISSN 1671-7694, 2016, vol. 14, no. 12, pp., Registrované v: WOS
511. [1.1] TASKHIRI, M. M. - AMIRHOSSEINI, M. K. Design of a broadband hemispherical wave collimator lens using the ray inserting method. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA A-OPTICS IMAGE SCIENCE AND VISION, 2017, vol. 34, no. 7, pp. 1265 - 1271., Registrované v: WOS
512. [1.1] TERROIR, Arthur - SCHWAN, Logan - CAVALIERI, Theo - ROMERO-GARCIA, Vicente - GABARD, Gwenael - GROBY, Jean-Philippe. General method to retrieve all effective acoustic properties of fully-anisotropic fluid materials in three dimensional space. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2019, vol. 125, no. 2, 025114., Registrované v: WOS
513. [1.1] TIAN, Han Wei - SHEN, Hai Yang - ZHANG, Xin Ge - LI, Xin - JIANG, Wei Xiang - CUI, Tie Jun. Terahertz Metasurfaces: Toward Multifunctional and Programmable Wave Manipulation. In FRONTIERS IN PHYSICS. ISSN 2296-424X, 2020, vol. 8, 584077., Registrované v: WOS
514. [1.1] TIWARI, Nilesh Kumar - SINGH, Surya Prakash - AKHTAR, M. Jaleel. Near field planar microwave probe sensor for nondestructive condition assessment of wood products. In JOURNAL OF APPLIED PHYSICS, 2018, vol. 123, no. 22, 224502., Registrované v: WOS
515. [1.1] TORABI, Mahmoud - SHOKRI, Babak. Anisotropic metamaterial waveguide driven by a cold and relativistic electron beam. In PHYSICS OF PLASMAS, 2018, vol. 25, no. 3, 033110., Registrované v: WOS
516. [1.1] TRANG, Frank - ROGALLA, Horst - POPOVIC, Zoya. Effective Constitutive Parameters of High-Temperature Superconducting Split-Ring Resonator Arrays. In IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY. ISSN 1051-8223, 2015, vol. 25, no. 1, 1800107., Registrované v: WOS
517. [1.1] TREMAIN, Ben - HOOPERoper, Ian R. - SAMBLES, J. Roy - et al. Isotropic Backward Waves Supported by a Spiral Array Metasurface. In SCIENTIFIC REPORTS, 2018, vol. 8, 7098., Registrované v: WOS
518. [1.1] TSUTAOKA, Takanori - MASSANGO, Herieta - KASAGI, Teruhiro - YAMAMOTO, Shinichiro - HATAKEYAMA, Kenichi. Double negative electromagnetic properties of percolated Fe₅₃Ni₄₇/Cu granular composites. In APPLIED PHYSICS LETTERS. ISSN 0003-6951, 2016, vol. 108, no. 19, pp., Registrované v: WOS
519. [1.1] TUNG, Ho-Ting - HUNG, Yu-Chueh. Characterization of phase transitions and parameter retrieval in three-dimensional dielectric helix structures. In Conference: Conference on Photonic and Phononic Properties of Engineered Nanostructures VIII, Book Series: Proceedings of SPIE, 2018, vol. 10541, UNSP 105412C., Registrované v: WOS
520. [1.1] ULLAH, Mohammad Habib - AHSAN, Md Rezwanul - MAHADI, Wan Nor Liza Wan - LATEF, Tarik Abdul - UDDIN, Md Jasim. ISOLATION IMPROVEMENT OF DUAL FEED PATCH ANTENNA BY

- ASSIMILATING METASURFACE GROUND. In MICROWAVE AND OPTICAL TECHNOLOGY LETTERS. ISSN 0895-2477, 2015, vol. 57, no. 6, pp. 1406., Registrované v: WOS
521. [1.1] ULLAH, M. Habib - MAHADI, W. N. L. - LATEF, T. A. - ISLAM, M. T. - UDDIN, M. J. - AHSAN, M. R. Mutual coupling reduction of dual port antenna using zero index metasurface structure. In INTERNATIONAL JOURNAL OF APPLIED ELECTROMAGNETICS AND MECHANICS. ISSN 1383-5416, 2015, vol. 49, no. 3, pp. 387., Registrované v: WOS
522. [1.1] VALAYIL, Minu - CHAMBERLIN, Kent. Enhancement of Parameters of Slotted Waveguide Antennas Using Metamaterials. In APPLIED COMPUTATIONAL ELECTROMAGNETICS SOCIETY JOURNAL. ISSN 1054-4887, 2019, vol. 34, no. 2, pp. 272-279., Registrované v: WOS
523. [1.1] VARAMINI, Gohar - KESHTKAR, Asghar - DARYASAFAR, Navid - et al. Microstrip Sierpinski fractal carpet for slot antenna with metamaterial loads for dual-band wireless application. In AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS, 2018, vol. 84, pp. 93-99., Registrované v: WOS
524. [1.1] VO, T.S. et al. Magnetic resonance absorption. In CURRENT APPLIED PHYSICS, 2015, vol. 15, p. 844., Registrované v: WOS
525. [1.1] WANG YANG - XUAN XUEFEI - ZHU LU - CHEN SHUAI - LI XIU. Multilayer Rectangular Broadband Metamaterial Absorber. In ACTA OPTICA SINICA. ISSN 0253-2239, 2020, vol. 40, no. 15., Registrované v: WOS
526. [1.1] WANG YAN-ZHAO - XU HE-XIU - WANG CHAO-HUI - WANG MING-ZHAO - WANG SHAO-JIE. Research progress of electromagnetic metamaterial absorbers. In ACTA PHYSICA SINICA. ISSN 1000-3290, 2020, vol. 69, no. 13, 134101., Registrované v: WOS
527. [1.1] WANG, F. In JOURNAL OF ELECTROMAGNETIC WAVES A.APPLICATIONS, 2016, vol. 30, pp. 1428., Registrované v: WOS
528. [1.1] WANG, Changxian - CHEN, Mingji - LEI, Hongshuai - ZENG, Zhihui - YAO, Kai - YUAN, Xujin - FANG, Daining. Frequency-selective-surface based sandwich structure for both effective loadbearing and customizable microwave absorption. In COMPOSITE STRUCTURES. ISSN 0263-8223, 2020, vol. 235, 111792., Registrované v: WOS
529. [1.1] WANG, Jiafu - LI, Yue - JIANG, Zhi Hao - SHI, Ting - TANG, Ming-Chun - ZHOU, Ziheng - CHEN, Zhi Ning - QIU, Cheng-Wei. Metantenna: When Metasurface Meets Antenna Again. In IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION. ISSN 0018-926X, 2020, vol. 68, no. 3, pp. 1332-1347., Registrované v: WOS
530. [1.1] WANG, J. - QU, S. - LI, L. - et al. All-dielectric metamaterial frequency selective surface. In JOURNAL OF ADVANCED DIELECTRICS, 2017, vol. 7, no. 5, UNSP 1730002., Registrované v: WOS
531. [1.1] WANG, Lei - SHOROKHOV, Alexander S. - MELENTIEV, Pavel N. - KRUK, Sergey - DECKER, Manuel - HELGERT, Christian - SETZPFANDT, Frank - FEDYANIN, Andrey A. - KIVSHAR, Yuri S. - NESHEV, Dragomir N. Multipolar Third-Harmonic Generation in Fishnet Metamaterials. In ACS PHOTONICS. ISSN 2330-4022, 2016, vol. 3, no. 8, pp. 1494-1499., Registrované v: WOS
532. [1.1] WANG, Liansheng - XIA, Dongyan - FU, Quanhong - WANG, Yuan - DING, Xueyong - YANG, Bo. Thermally tunable ultra-thin metamaterial

- absorber at P band. In JOURNAL OF ELECTROMAGNETIC WAVES AND APPLICATIONS. ISSN 0920-5071, 2019, vol. 33, no. 11, pp. 1406-1415., Registrované v: WOS
533. [1.1] WANG, Liansheng - XIA, Dongyan - FU, Quanhong - DING, Xueyong - WANG, Yuan. Graphene-Based Tunable Wideband Metamaterial Absorber With Polarization Insensitivity and Wide Incident Angle. In FRONTIERS IN PHYSICS. ISSN 2296-424X, 2020, vol. 8, 303., Registrované v: WOS
534. [1.1] WANG, Liansheng - XIA, Dongyan - FU, Quanhong - DING, Xueyong - WANG, Yuan. A photoexcited wideband silicon-based tunable metamaterial absorber with wide-angle absorption for terahertz waves. In OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS. ISSN 1842-6573, 2020, vol. 14, no. 7-8, pp. 338-343., Registrované v: WOS
535. [1.1] WANG, L. S. - DING, C. L. - XIA, D. Y. - DING, X. Y. - WANG, Y. The design of a graphene-based wideband tunable metamaterial absorber in THz regime. In 3RD INTERNATIONAL CONFERENCE ON NEW MATERIAL AND CHEMICAL INDUSTRY. ISSN 1757-8981, 2019, vol. 479, UNSP 012038., Registrované v: WOS
536. [1.1] WANG, L. S. - XIA, D. Y. - DING, X. Y. - et al. The design of wideband metamaterial absorber at E band based on defect. In Conference: 2nd International Conference on New Material and Chemical Industry (NMCI), Book Series: IOP Conference Series-Materials Science and Engineering, 2018, vol. 292, UNSP 012061., Registrované v: WOS
537. [1.1] WANG, Meng - MA, Hui Feng - TANG, Wen Xuan - SUN, Shi - CUI, Tie Jun. Leaky-Wave Radiations with Arbitrarily Customizable Polarizations Based on Spoof Surface Plasmon Polaritons. In PHYSICAL REVIEW APPLIED. ISSN 2331-7019, 2019, vol. 12, no. 1, 014036., Registrované v: WOS
538. [1.1] WANG, Meng - WANG, Hui Chuan - TIAN, Su Cheng - MA, Hui Feng - CUI, Tie Jun. Spatial Multi-Polarized Leaky-Wave Antenna Based on Spoof Surface Plasmon Polaritons. In IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION. ISSN 0018-926X, 2020, vol. 68, no. 12, pp. 8168-8173., Registrované v: WOS
539. [1.1] WANG, Qi - CHENG, Yongzhi. Compact and low-frequency broadband microwave metamaterial absorber based on meander wire structure loaded resistors. In AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS. ISSN 1434-8411, 2020, vol. 120, 153198., Registrované v: WOS
540. [1.1] WANG, Qingmin - ZENG, Lingyu - LEI, Ming - BI, Ke. Tunable metamaterial bandstop filter based on ferromagnetic resonance. In AIP ADVANCES. ISSN 2158-3226, 2015, vol. 5, no. 7, 077145., Registrované v: WOS
541. [1.1] WANG, Shubo - NG, Jack - XIAO, Meng - CHAN, Che Ting. Electromagnetic stress at the boundary: Photon pressure or tension? In SCIENCE ADVANCES. ISSN 2375-2548, 2016, vol. 2, no. 3, pp., Registrované v: WOS
542. [1.1] WANG, Wei-Chih - CHANG, Chang-Ling. Tunable terahertz filter using PDLC fishnet metamaterial. In Conference: Conference on Terahertz, RF, Millimeter, and Submillimeter-Wave Technology and Applications XI, Book Series: Proceedings of SPIE, 2018, vol. 10531, 1053112., Registrované v: WOS

543. [1.1] WANG, Xiaobo - LI, Haohua - ZHOU, Ji. Tunable ferrite-dielectric metamolecule with Fano resonance. In AIP ADVANCES. ISSN 2158-3226, 2019, vol. 9, no. 5, 055325., Registrované v: WOS
544. [1.1] WANG, XiaoZhi - ZHU, Honghui - LIU, Zhigang. Enhanced transmittance of a dual pass-band metamaterial filter. In PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES. ISSN 1386-9477, 2017, vol. 87, no., pp. 1-5., Registrované v: WOS
545. [1.1] WANG, Yongxing - QIN, Yue - SUN, Zhouzhou - XU, Ping. Magnetically controlled zero-index metamaterials based on ferrite at microwave frequencies. In JOURNAL OF PHYSICS D-APPLIED PHYSICS. ISSN 0022-3727, 2016, vol. 49, no. 40, pp., Registrované v: WOS
546. [1.1] WANG, Zhi-Yu - QIU, Jin-Peng - CHEN, Hua - MO, Jiong-Jiong - YU, Fa-Xin. Retrieval of high-order susceptibilities of nonlinear metamaterials. In CHINESE PHYSICS B. ISSN 1674-1056, 2017, vol. 26, no. 9, 094207., Registrované v: WOS
547. [1.1] WANG, Ziyang - ZHAO, Luyu - CAI, Yuanming - et al. A Meta-Surface Antenna Array Decoupling (MAAD) Method for Mutual Coupling Reduction in a MIMO Antenna System. In SCIENTIFIC REPORTS, 2018, vol. 8, 3152., Registrované v: WOS
548. [1.1] WANG, Z. In NANOTECHNOLOGY, 2016, vol. 27, 412001., Registrované v: WOS
549. [1.1] WATANABE, Yuki - MATSUI, Tatsunosuke. Index-tunable terahertz metamaterials based on double-layered closed-ring resonator arrays. In JOURNAL OF PHOTONICS FOR ENERGY, 2018, vol. 8, no. 3, 032211., Registrované v: WOS
550. [1.1] WEI, Feiming - XU, Yonggang - GAO, Wei - ZHENG, Dianliang - LIU, Ting. Designing on scaled absorbing materials at THz band using Ni@mica composite. In APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING. ISSN 0947-8396, 2019, vol. 125, no. 9, 655., Registrované v: WOS
551. [1.1] WEI, P. An acoustic beam shifter. In EPL, 2015, vol. 109, 14004., Registrované v: WOS
552. [1.1] WEN, Qi-Ye - LIU, Zhao-Yang - YIN, Liang - CHEN, Zhi - YANG, Qing-Hui - ZHANG, Huai-Wu. Metamaterials Based Terahertz Absorber and Modulator. In 2016 IEEE MTT-S INTERNATIONAL MICROWAVE WORKSHOP SERIES ON ADVANCED MATERIALS AND PROCESSES FOR RF AND THZ APPLICATIONS (IMWS-AMP), 2016, vol., no., pp., Registrované v: WOS
553. [1.1] WEN, Yongzheng - MA, Wei - BAILEY, Joe - MATMON, Guy - YU, Xiaomei. Broadband Terahertz Metamaterial Absorber Based on Asymmetric Resonators With Perfect Absorption. In IEEE TRANSACTIONS ON TERAHERTZ SCIENCE AND TECHNOLOGY. ISSN 2156-342X, 2015, vol. 5, no. 3, pp. 406., Registrované v: WOS
554. [1.1] WERDEHAUSEN, Daniel - SANTIAGO, Xavier Garcia - BURGER, Sven - STAUDE, Isabelle - PERTSCH, Thomas - ROCKSTUHL, Carsten - DECKER, Manuel. Modeling Optical Materials at the Single Scatterer Level: The Transition from Homogeneous to Heterogeneous Materials. In ADVANCED THEORY AND SIMULATIONS, 2020, vol. 3, no. 11, 2000192., Registrované v: WOS
555. [1.1] WILTSHIRE, M. C. K. - SYMS, R. R. A. Measuring noise in

- microwave metamaterials. In JOURNAL OF APPLIED PHYSICS, 2018, vol. 123, no. 17, 174901., Registrované v: WOS
556. [1.1] WIRGIN, Armand. Dynamic homogenization of a complex geophysical medium by inversion of its near-field seismic response. In WAVE MOTION, 2018, vol. 81, pp. 46-69., Registrované v: WOS
557. [1.1] WIRGIN, A. In INVERSE PROBLEMS IN SCIENCE A. ENGINEERING, 2016, vol. 24, Iss. 6, pp. 1065., Registrované v: WOS
558. [1.1] WIRGIN, A. In ULTRASONICS, 2016, vol. 65, pp. 353., Registrované v: WOS
559. [1.1] WOLF, Omri - ALLERMAN, Andrew A. - MA, Xuedan - WENDT, Joel R. - SONG, Alex Y. - SHANER, Eric A. - BRENER, Igal. Enhanced optical nonlinearities in the near-infrared using III-nitride heterostructures coupled to metamaterials. In APPLIED PHYSICS LETTERS. ISSN 0003-6951, 2015, vol. 107, no. 15, 151108., Registrované v: WOS
560. [1.1] WU Qian - LI, Yunhui - CHEN, Yongqiang - et al. Enhanced Wireless Power Transfer Using Magnetostatic Volume Modes in Anisotropic Magnetic Metamaterials. In Conference: IEEE Industrial-Electronics-Society (IES) International Conference on Industrial Electronics for Sustainable Energy Systems (IESES), 2018, pp. 415-420., Registrované v: WOS
561. [1.1] WU, Dong - LIU, Yumin - CHEN, Lei - et al. Broadband Mid-infrared Dual-Band Double-Negative Metamaterial: Realized Using a Simple Geometry. In PLASMONICS, 2018, vol. 13, no. 4, pp. 1287-1295., Registrované v: WOS
562. [1.1] WU, Han - JI, Shijun - ZHAO, Ji - JIANG, Chengxin - DAI, Handa. Design and Analysis of a Five-Band Polarization-Insensitive Metamaterial Absorber. In INTERNATIONAL JOURNAL OF ANTENNAS AND PROPAGATION. ISSN 1687-5869, 2020, vol. 2020, 8827517., Registrované v: WOS
563. [1.1] WU, Hongxing - SHI, Fenghua - CHEN, Yihang. Broadband terahertz absorption enabled by coating an ultrathin antireflection film on doped semiconductor. In OPTICS EXPRESS. ISSN 1094-4087, 2016, vol. 24, no. 18, pp. 20663-20671., Registrované v: WOS
564. [1.1] WU, H. - LIU, S. - WAN, X. - et al. Controlling energy radiations of electromagnetic waves via frequency coding metamaterials. In ADVANCED SCIENCE, 2017, vol. 4, no. 9, 1700098., Registrované v: WOS
565. [1.1] WU, Q. et al. Wireless power transfer. In EPL, 2015, vol. 109, 68005., Registrované v: WOS
566. [1.1] WU, S. In JOURNAL OF ELECTROMAGNETIC WAVES A. APPLICATIONS, 2016, vol. 30, pp. 1993., Registrované v: WOS
567. [1.1] WU, Tianlong - LI, Wei - YANG, Jin - MA, Jie - CHEN, Lin - GUAN, Jianguo. Inhomogeneous substrate metamaterial absorbers with broadband absorption spanning low and high frequency bands. In JOURNAL OF PHYSICS D-APPLIED PHYSICS. ISSN 0022-3727, 2020, vol. 53, no. 10, 105003., Registrované v: WOS
568. [1.1] WU, Wei - LIU, Wenbing - CHUN, Zenghui - LING, Yonghong - DING, Jifei - WANG, Xiaochuan - HUANG, Lirong - LI, Hanhui. Optical rotation and electromagnetically induced transparency in a chiral metamaterial with C-4 symmetry. In OPTICS EXPRESS. ISSN 1094-4087, 2020, vol. 28, no. 20, pp. 29496-29512., Registrované v: WOS
569. [1.1] WU, Xiaoxiao - MENG, Yan - WANG, Li - TIAN, Jingxuan -

- DAI, Shiwei - WEN, Weijia. Anisotropic metasurface with near-unity circular polarization conversion. In APPLIED PHYSICS LETTERS. ISSN 0003-6951, 2016, vol. 108, no. 18, pp., Registrované v: WOS
570. [1.1] WU, Xueyuan - NAUGHTON, Michael J. - KEMPA, Krzysztof. Engineering Low-Frequency Dielectric Function with Metamaterial Plasmonic Structures. In PHYSICA STATUS SOLIDI-RAPID RESEARCH LETTERS, 2018, vol. 12, no. 3, 1700291., Registrované v: WOS
571. [1.1] WU, X. - KONG, J. - PROTIK, N. H. - BROIDO, D. - KEMPA, K. Tailoring the electron-phonon interaction with metallic plasmonic structures. In MATERIALS TODAY PHYSICS. ISSN 2542-5293, 2019, vol. 8, pp. 86-91., Registrované v: WOS
572. [1.1] WU, Yunqiu - ARSLANAGIC, Samel. Single- and multi-layered all-dielectric ENG, MNG, and DNG material parameter extraction by use of the S-parameter method. In 2016 IEEE 5TH ASIA-PACIFIC CONFERENCE ON ANTENNAS AND PROPAGATION (APCAP 2016). ISSN 2381-5523, 2016, vol., no., pp. 39-+, Registrované v: WOS
573. [1.1] WU, Zhan Ni - TANG, Wen Xuan - CUI, Tie Jun. A Beam-Steerable Metamaterial Lens Using Varactor Diodes. In 2015 IEEE MTT-S INTERNATIONAL MICROWAVE WORKSHOP SERIES ON ADVANCED MATERIALS AND PROCESSES FOR RF AND THZ APPLICATIONS (IMWS-AMP), 2015, vol., no., pp. 13., Registrované v: WOS
574. [1.1] XIANG, Junxiang - YANG, Yongfei - ZHENG, Zhou - XIANG, Bin - CUI, Xudong. Structural Evolution Design and Optimization for the Metamaterials with Broadband Frequency-Independent Negative Permeability. In PLASMONICS. ISSN 1557-1955, 2019, vol. 14, no. 2, pp. 271-277., Registrované v: WOS
575. [1.1] XIAO, Meng - HUANG, Xueqin - FANG, Anan - CHAN, C. T. Effective impedance for predicting the existence of surface states. In PHYSICAL REVIEW B. ISSN 2469-9950, 2016, vol. 93, no. 12, pp., Registrované v: WOS
576. [1.1] XIE, T. - CHEN, Z. - MA, R. - et al. A wide-angle and polarization insensitive infrared broad band metamaterial absorber. In OPTICS COMMUNICATIONS, 2017, vol. 383, pp. 81 - 86., Registrované v: WOS
577. [1.1] XU XIN-HE - LIU YING - GAN YUE-HONG - LIU WEN-MIAO. A method of retrieving the constitutive parameter matrix of magnetoelectric coupling metamaterial. In ACTA PHYSICA SINICA. ISSN 1000-3290, 2015, vol. 64, no. 4, 044101., Registrované v: WOS
578. [1.1] XU Ya-wen - XU Jing-cheng. Design and experimentally measure a high performance metamaterial filter. In INFRARED PHYSICS & TECHNOLOGY, 2018, vol. 89, pp. 398-402., Registrované v: WOS
579. [1.1] XU, Bihui - ZHAO, Yanwen - GU, Li - NIE, Zaiping. Fork-shaped patch printed ultra-wideband slot antenna with dual band-notched characteristics using metamaterial unit cells. In INTERNATIONAL JOURNAL OF RF AND MICROWAVE COMPUTER-AIDED ENGINEERING. ISSN 1096-4290, 2019, vol. 29, no. 7, e21742., Registrované v: WOS
580. [1.1] XU, Lianqiang - LIU, Shiqi - YANG, Jie - SHI, Bowen - PAN, Yuanyuan - ZHANG, Xiuying - LI, Hong - YAN, Jiahuan - LI, Jingzhen - YANG, Jinbo - LU, Jing. Pervasive Ohmic Contacts in Bilayer Bi₂O₂Se-Metal Interfaces. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2019, vol. 123, no. 14, pp. 8923-8931., Registrované v: WOS
581. [1.1] XU, Lin - PAN, Yuanyuan - LIU, Shiqi - SHI, Bowen - XU,

- Lianqiang - YANG, Jie - YAN, Jiahuan - PANG, Hua - ZHANG, Xiuying - YANG, Chen - YANG, Jinbo - WANG, Yangyang - ZHANG, Zhiyong - LU, Jing. Computational Study of Ohmic Contact at Bilayer InSe-Metal Interfaces: Implications for Field-Effect Transistors. In ACS APPLIED NANO MATERIALS. ISSN 2574-0970, 2019, vol. 2, no. 11, pp. 6898-6908., Registrované v: WOS
582. [1.1] XU, Linqiang - LIU, Shiqi - ZHANG, Han - ZHANG, Xiuying - LI, Jingzhen - YAN, Jiahuan - SHI, Bowen - YANG, Jie - YANG, Chen - XU, Lianqiang - SUN, Xiaotian - LU, Jing. First-principles simulation of monolayer hydrogen passivated Bi₂O₂S₂-metal interfaces. In PHYSICAL CHEMISTRY CHEMICAL PHYSICS. ISSN 1463-9076, 2020, vol. 22, no. 15, pp. 7853-7863., Registrované v: WOS
583. [1.1] XU, Ruijia - LUO, Ji - Sha, JUN; et al. Stretchable IR metamaterial with ultra-narrowband perfect absorption. In APPLIED PHYSICS LETTERS, 2018, vol. 113, no. 10, 101907., Registrované v: WOS
584. [1.1] XU, Xiaofei - HUANG, Qianling - DENG, Xiao - WANG, Yefang. Electric megahertz metamaterials designed with deep subwavelength multilayered meander line resonators. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2019, vol. 125, no. 19, 194902., Registrované v: WOS
585. [1.1] XU, Xiaofei - WANG, Yefang - WEI, Juzheng. Subwavelength imaging designed with meander-line anisotropic epsilon-near-zero (AENZ) metamaterial structures. In AIP ADVANCES, 2018, vol. 8, no. 7, 075224., Registrované v: WOS
586. [1.1] XU, Xiaofei - WANG, Yefang - WEI, Juzheng. A compact metamaterial structure with dual-planar meander line (DML) patterns. In JOURNAL OF PHYSICS D-APPLIED PHYSICS, 2018, vol. 51, no. 12, 125305., Registrované v: WOS
587. [1.1] XU, Yadong - FU, Yangyang - CHEN, Huanyang. Planar gradient metamaterials. In NATURE REVIEWS MATERIALS. ISSN 2058-8437, 2016, vol. 1, no. 12, pp., Registrované v: WOS
588. [1.1] XU, Zefeng - LIN, Yu-Sheng. A Stretchable Terahertz Parabolic-Shaped Metamaterial. In ADVANCED OPTICAL MATERIALS. ISSN 2195-1071, 2019, vol. 7, no. 19, 1900379., Registrované v: WOS
589. [1.1] YADAV, Rajesh Kumar - ANEESH, J. - SHARMA, Rituraj - et al. Designing Hybrids of Graphene Oxide and Gold Nanoparticles for Nonlinear Optical Response. In PHYSICAL REVIEW APPLIED, 2018, vol. 9, no. 4, 044043., Registrované v: WOS
590. [1.1] YANG, Chen - ZHANG, Xiuying - SUN, Xiaotian - ZHANG, Han - TANG, Hao - SHI, Bowen - PANG, Hua - XU, Linqiang - LIU, Shiqi - YANG, Jie - YAN, Jiahuan - XU, Lin - ZHANG, Zhiyong - YANG, Jinbo - YU, Dapeng - LU, Jing. Planar Direction-Dependent Interfacial Properties in Monolayer In₂Se₃-Metal Contacts. In PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS. ISSN 0370-1972, 2020, vol. 257, no. 1, 1900198., Registrované v: WOS
591. [1.1] YANG, Q. - CHEN, X. - LI, Y. - et al. Aperiodic-metamaterial-based absorber. In APL MATERIALS, 2017, vol. 5, no. 9, 096107., Registrované v: WOS
592. [1.1] YANG, Rongcao - WANG, Jiayun - LI, Jinying - LI, Jianping - ZENG, Qingsheng. Broadband Microwave Negative Index Metamaterial with Low Dispersion. In 2016 IEEE MTT-S INTERNATIONAL CONFERENCE ON

NUMERICAL ELECTROMAGNETIC AND MULTIPHYSICS MODELING AND OPTIMIZATION (NEMO), 2016, vol., no., pp., Registrované v: WOS

593. [1.1] YANG, Tao - SAATI, Ferina - GROBY, Jean-Philippe - XIONG, Xiaoman - PETRU, Michal - MISHRA, Rajesh - MILITKY, Jiri - MARBURG, Steffen. Characterization on Polyester Fibrous Panels and Their Homogeneity Assessment. In POLYMERS, 2020, vol. 12, no. 9, 2098., Registrované v: WOS

594. [1.1] YANG, Tian - LIU, Xiaoming - LI, Haohua - WANG, Chen - SUN, Jingbo - ZHOU, Ji. THz polarization conversion metamaterial based on bianisotropic response of split-ring resonators. In JOURNAL OF PHYSICS D-APPLIED PHYSICS. ISSN 0022-3727, 2020, vol. 53, no. 34, 345102., Registrované v: WOS

595. [1.1] YANG, W. - KIM, B. - CHO, S. - PARK, J. Experimental Method to Evaluate Effective Dynamic Properties of a Meta-Structure for Flexural Vibrations. In EXPERIMENTAL MECHANICS. ISSN 0014-4851, 2017, vol. 57, no. 3, pp. 417-425., Registrované v: WOS

596. [1.1] YANG, W. - KIM, B. - CHO, S. - et al. Experimental Method to Evaluate Effective Dynamic Properties of a Meta-Structure for Flexural Vibrations, In EXPERIMENTAL MECHANICS, 2017, vol. 57, no. 3, pp. 417-425., Registrované v: WOS

597. [1.1] YANG, X.M. et al. Broadbanding of circularly polarized patch antenna. In AIP ADVANCES, 2015, vol. 5, 127134., Registrované v: WOS

598. [1.1] YANG, Y. - MIROSHNICHENKO, A. E. - KOSTINSKI, S. V. - et al. Multimode directionality in all-dielectric metasurfaces. In PHYSICAL REVIEW B, 2017, vol. 95, no. 16, 165426., Registrované v: WOS

599. [1.1] YAN, Jiahuan - ZHANG, Xiuying - PAN, Yuanyuan - et al. Monolayer tellurene-metal contacts. In JOURNAL OF MATERIALS CHEMISTRY C, 2018, vol. 6, no. 23, pp. 6153-6163., Registrované v: WOS

600. [1.1] YAN, Su. Effective Electromagnetic Parameter Extractions for Porous Media Using a Potential-Based Formulation. In 2019 INTERNATIONAL APPLIED COMPUTATIONAL ELECTROMAGNETICS SOCIETY SYMPOSIUM (ACES), 2019., Registrované v: WOS

601. [1.1] YAO, B. M. - GUI, Y. S. - CHEN, X. S. - LU, W. - HU, C.M. Experimental realization of negative refraction using one metasurface. In APPLIED PHYSICS LETTERS. ISSN 0003-6951, 2015, vol. 106, no. 12, 121903., Registrované v: WOS

602. [1.1] YAO, Zhihui - LIU, Yanhui - YU, Ziwei - XIONG, Xiaoping - ZHANG, Liang - YE, Longfang - LIU, Qing Huo. A Low-Profile Aperture Impedance Matching Technique for TEM Planar Luneberg Lens. In 2015 IEEE MTT-S INTERNATIONAL MICROWAVE WORKSHOP SERIES ON ADVANCED MATERIALS AND PROCESSES FOR RF AND THZ APPLICATIONS (IMWS-AMP), 2015, vol., no., pp. 388., Registrované v: WOS

603. [1.1] YE, Dexin - LI, Binghui - ZHU, Zhongbo - YANG, Yanbin - WANG, Zhiyu. Achieving volumetric gain metamaterials. In AIP ADVANCES. ISSN 2158-3226, 2019, vol. 9, no. 5, 055314., Registrované v: WOS

604. [1.1] YE, D. In PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, 2016, vol. 113, pp. 2568., Registrované v: WOS

605. [1.1] YE, Fan - BURNS, Michael J. - NAUGHTON, Michael J. Embedded metal nanopatterns as a general scheme for enhanced broadband light

- absorption. In PHYSICA STATUS SOLIDI A-APPLICATIONS AND MATERIALS SCIENCE. ISSN 1862-6300, 2015, vol. 212, no. 3, pp. 561., Registrované v: WOS
606. [1.1] YILMAZ, Hasan Onder - YAMAN, Fatih. Metamaterial Antenna Designs for a 5.8-GHz Doppler Radar. In IEEE TRANSACTIONS ON INSTRUMENTATION AND MEASUREMENT. ISSN 0018-9456, 2020, vol. 69, no. 4, pp. 1775-1782., Registrované v: WOS
607. [1.1] YI, Jianjia - BUOKUR, Shah Nawaz - DE LUSTRAC, Andre. Experimental validation of a transformation optics based lens for beam steering. In APPLIED PHYSICS LETTERS. ISSN 0003-6951, 2015, vol. 107, no. 15, 154101., Registrované v: WOS
608. [1.1] YI, Jianjia - PIAU, Gerard-Pascal - DE LUSTRAC, Andre - BUOKUR, Shah Nawaz. Electromagnetic field tapering using all-dielectric gradient index materials. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2016, vol. 6, no., pp., Registrované v: WOS
609. [1.1] YI, J. In PROCEEDINGS OF THE EUROPEAN CONFERENCE ON ANTENNAS A. PROPAGATION, 2016 ., Registrované v: WOS
610. [1.1] YOO, SeokJae - LEE, Suyeon - CHOE, Jong-Ho - PARK, Q-Han. Causal homogenization of metamaterials. In NANOPHOTONICS. ISSN 2192-8606, 2019, vol. 8, no. 6, pp. 1063-1069., Registrované v: WOS
611. [1.1] YOO, SeokJae - LEE, Suyeon - PARK, Q-Han. Loss-Free Negative-Index Metamaterials Using Forward Light Scattering in Dielectric Meta-Atoms. In ACS PHOTONICS, 2018, vol. 5, no. 4, pp. 1370-1374., Registrované v: WOS
612. [1.1] YOU, Baiqiang - HUANG, Tao - Zhou, Jianhua - et al. 1D and 2D Left-handed Materials Loaded with Circularly Coupled Ring-circular. In Conference: Progress in Electromagnetics Research Symposium (PIERS-Toyama), Book Series: Progress in Electromagnetics Research Symposium, 2018, pp. 2427-2434., Registrované v: WOS
613. [1.1] YOU, Jian Wei - PANOIU, Nicolae C. Plasmon-induced nonlinearity enhancement and homogenization of graphene metasurfaces. In OPTICS LETTERS. ISSN 0146-9592, 2019, vol. 44, no. 12, pp. 3030-3033., Registrované v: WOS
614. [1.1] YUAN, Qi - MA, Hua - SUI, Sai - WANG, Jiafu - ZHENG, Lin - MENG, Yueyu - QU, Shaobo. Centrosymmetric topology optimization design achieves ultra-broadband polarization conversion and its further application. In JOURNAL OF PHYSICS D-APPLIED PHYSICS. ISSN 0022-3727, 2020, vol. 53, no. 33, 335001., Registrované v: WOS
615. [1.1] YUAN, Xujin - XU, Yuannan - CHEN, Mingji - CHENG, Xiaodong - FANG, Daining. Blocking gate resonator absorber surface brings wide band electromagnetic absorption performance approaching theoretical limit. In MICROWAVE AND OPTICAL TECHNOLOGY LETTERS. ISSN 0895-2477, 2019, vol. 61, no. 6, pp. 1524-1528., Registrované v: WOS
616. [1.1] YUSUF, Jemilat Yetunde - SOLEIMANI, Hassan - YAHYA, Noorhana - SANUSI, Yekinni Kolawole - ADEBAYO, Lawal Lanre - SIKIRU, Surajudeen - WAHAAB, Fatai Adisa. Recent advances and prospect of cobalt based microwave absorbing materials. In CERAMICS INTERNATIONAL. ISSN 0272-8842, 2020, vol. 46, no. 17, pp. 26466-26485., Registrované v: WOS
617. [1.1] YU, Buyun - ZHAO, Yongjiu - CHEN, Jiaqing - GE, Yue -

CHEN, Xiaofeng. Broadband transparent metamaterial absorber in wireless communication band based on indium tin oxide film. In INTERNATIONAL JOURNAL OF RF AND MICROWAVE COMPUTER-AIDED ENGINEERING. ISSN 1096-4290, 2019, vol. 29, no. 12, e21955., Registrované v: WOS

618. [1.1] YU, H - SHANG, Y. Design of CMOS Millimeter-Wave and Terahertz Integrated Circuits with Metamaterials. In DESIGN OF CMOS MILLIMETER-WAVE AND TERAHERTZ INTEGRATED CIRCUITS WITH METAMATERIALS, 2016, vol., no., pp. 1-354., Registrované v: WOS

619. [1.1] YU, Peng - BESTEIRO, Lucas V. - HUANG, Yongjun - WU, Jiang - FU, Lan - TAN, Hark H. - JAGADISH, Chennupati - WIEDERRECHT, Gary P. - GOVOROV, Alexander O. - WANG, Zhiming. Broadband Metamaterial Absorbers. In ADVANCED OPTICAL MATERIALS. ISSN 2195-1071, 2019, vol. 7, no. 3, 1800995., Registrované v: WOS

620. [1.1] YU, Xiang - LU, Zhenbo - LIU, Tuo - CHENG, Li - ZHU, Jie - CUI, Fangsen. Sound transmission through a periodic acoustic metamaterial grating. In JOURNAL OF SOUND AND VIBRATION. ISSN 0022-460X, 2019, vol. 449, pp. 140-156., Registrované v: WOS

621. [1.1] ZHANG ZHEN-QING - LU HAI - WANG SHAO-HUA - WEI ZE-YONG - JIANG HAI-TAO - LI YUN-HUI. Optical Tamm state and related lasing effect enhanced by planar plasmonic metamaterials. In ACTA PHYSICA SINICA. ISSN 1000-3290, 2015, vol. 64, no. 11, 114202., Registrované v: WOS

622. [1.1] ZHANG Zhen-Ya - LIU Xiao-Li - WEN Xiao-Dong. Enhance absorption based on the resonance of localized surface plasmon modes in a metamaterial absorber. In JOURNAL OF INFRARED AND MILLIMETER WAVES, 2018, vol. 37, no. 5, pp. 533-539., Registrované v: WOS

623. [1.1] ZHANG, Haiguang - ZHANG, Jia - XU, Kui. Research on Miniaturized Receiving Antenna for Satellite Navigation. In Conference: 9th China Satellite Navigation Conference (CSNC) - Location, Time of Augmentation, 2018 PROCEEDINGS, VOL III, Book Series: Lecture Notes in Electrical Engineering, 2018, vol. 499, pp. 267-278., Registrované v: WOS

624. [1.1] ZHANG, Han - XIONG, Junhua - YE, Meng - LI, Jingzhen - ZHANG, Xiuying - QUHE, Ruge - SONG, Zhigang - YANG, Jinbo - ZHANG, Qiaoxuan - SHI, Bowen - YAN, Jiahuan - GUO, Wanlin - ROBERTSON, John - WANG, Yangyang - PAN, Feng - LU, Jing. Interfacial Properties of Monolayer Antimonene Devices. In PHYSICAL REVIEW APPLIED. ISSN 2331-7019, 2019, vol. 11, no. 6, 064001., Registrované v: WOS

625. [1.1] ZHANG, Han - YE, Meng - WANG, Yangyang - QUHE, Ruge - PAN, Yuanyuan - GUO, Ying - SONG, Zhigang - YANG, Jinbo - GUO, Wanlin - LU, Jing. Magnetoresistance in Co/2D MoS₂/Co and Ni/2D MoS₂/Ni junctions. In PHYSICAL CHEMISTRY CHEMICAL PHYSICS. ISSN 1463-9076, 2016, vol. 18, no. 24, pp. 16367-16376., Registrované v: WOS

626. [1.1] ZHANG, Hanlu - WANG, Honggang - HUANG, Anfeng. Megahertz magneto-inductive waveguide for electromagnetic energy transmission in radio-frequency identification system. In IEICE ELECTRONICS EXPRESS, 2018, vol. 15, no. 15, 20180663., Registrované v: WOS

627. [1.1] ZHANG, Junming - HE, Donglin - WANG, Guowu - WANG, Peng - QIAO, Liang - WANG, Tao - LI, Fashen. Equivalent electromagnetic parameters for microwave metamaterial absorber using a new symmetry model. In CHINESE PHYSICS B. ISSN 1674-1056, 2019, vol. 28, no. 5, 058401.,

Registrované v: WOS

628. [1.1] ZHANG, K.-L. - HOU, Z.-L. - KONG, L.-B. - et al. Origin of negative imaginary part of effective permittivity of passive materials. In CHINESE PHYSICS LETTERS, 2017, vol. 34, no. 9, 097701., Registrované v: WOS

629. [1.1] ZHANG, Li-Hua et al. In JOURNAL OF INFRARED A. MILLIMETER WAVES, 2016, vol. 35, Iss. 3, pp. 267., Registrované v: WOS

630. [1.1] ZHANG, Man - ZHANG, Jiahe - CHEN, Apeng - SONG, Zhengyong. Vanadium Dioxide-Based Bifunctional Metamaterial for Terahertz Waves. In IEEE PHOTONICS JOURNAL. ISSN 1943-0655, 2020, vol. 12, no. 1., Registrované v: WOS

631. [1.1] ZHANG, Min - HOU, Zhi-Ling - LIU, Ya-Min - LI, Zhong-Jun - LIU, Xingda - FANG, Hui-Min. Dual-band quasi-zero refraction and negative refraction in coin-shaped metamaterial. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2015, vol. 117, no. 18, 183104., Registrované v: WOS

632. [1.1] ZHANG, Na - JIANG, Wei Xiang - MA, Hui Feng - TANG, Wen Xuan - CUI, Tie Jun. Compact High-Performance Lens Antenna Based on Impedance-Matching Gradient-Index Metamaterials. In IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION. ISSN 0018-926X, 2019, vol. 67, no. 2, pp. 1323-1328., Registrované v: WOS

633. [1.1] ZHANG, Q. - LIU, CH. - GAN, G. - et al. Visible perfect reflectors realized with all-dielectric metasurface. In OPTICS COMMUNICATIONS, 2017, vol. 402, pp. 226 - 230., Registrované v: WOS

634. [1.1] ZHANG, Shiquan. Analysis and Design of a Novel Metamaterial-Based Microstrip Antenna. In PROCEEDINGS OF THE 2016 INTERNATIONAL CONFERENCE ON COMPUTER SCIENCE AND ELECTRONIC TECHNOLOGY. ISSN 2352-538X, 2016, vol. 48, no., pp. 120-122., Registrované v: WOS

635. [1.1] ZHANG, Shiquan. Design of a metamaterial-based high-directivity antenna. In 2018 INTERNATIONAL SEMINAR ON COMPUTER SCIENCE AND ENGINEERING TECHNOLOGY (SCSET 2018). ISSN 1742-6588, 2019, vol. 1176, UNSP 062049., Registrované v: WOS

636. [1.1] ZHANG, Xin Ge - TANG, Wen Xuan - JIANG, Wei Xiang - et al. Light-Controllable Digital Coding Metasurfaces. In ADVANCED SCIENCE, 2018, vol. 5, no. 11, 1801028., Registrované v: WOS

637. [1.1] ZHANG, Xiu - SUN, Honghao - ZHANG, Xin. Design and Analysis of a Novel Metamaterial Structure Realized in Low-Frequency Band. In COMMUNICATIONS, SIGNAL PROCESSING, AND SYSTEMS, CSPS 2018, VOL III: SYSTEMS. ISSN 1876-1100, 2020, vol. 517, no., pp. 392-398., Registrované v: WOS

638. [1.1] ZHANG, Xiujuan - WU, Ying. Effective medium theory for anisotropic metamaterials. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2015, vol. 5, 7892., Registrované v: WOS

639. [1.1] ZHANG, Xiujuan - WU, Ying. Scheme for achieving coherent perfect absorption by anisotropic metamaterials. In OPTICS EXPRESS. ISSN 1094-4087, 2017, vol. 25, no. 5, pp. 4860-4872., Registrované v: WOS

640. [1.1] ZHANG, Xiyue - LI, Qi - LIU, Feifei - QIU, Meng - SUN, Shulin - HE, Qiong - ZHOU, Lei. Controlling angular dispersions in optical metasurfaces. In LIGHT-SCIENCE & APPLICATIONS. ISSN 2047-7538, 2020, vol. 9, no. 1, 76., Registrované v: WOS

641. [1.1] ZHANG, Xu - DEBNATH, Sanjoy - GUENEY, Durdu Oe. Hyperbolic metamaterial feasible for fabrication with direct laser writing processes. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS. ISSN 0740-3224, 2015, vol. 32, no. 6, pp. 1013., Registrované v: WOS
642. [1.1] ZHANG, Xu - GUNEY, Durdu O. Adverse effect of material absorption on stopped light hollow waveguides with negative index metamaterial cladding. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS. ISSN 0740-3224, 2019, vol. 36, no. 2, pp. 248-255., Registrované v: WOS
643. [1.1] ZHANG, Xu - USI, Elvis - KHAN, Suhail K. - SADATGOL, Mehdi - GUENEY, Durdu Oe. Extremely Sub-Wavelength Negative Index Metamaterial. In PROGRESS IN ELECTROMAGNETICS RESEARCH-PIER. ISSN 1559-8985, 2015, vol. 152, no., pp. 95., Registrované v: WOS
644. [1.1] ZHANG, Yingyi - TANG, Houjun - YAO, Chen - LI, Yuncheng - XIAO, Siyu. Experiments on adjustable magnetic metamaterials applied in megahertz wireless power transmission. In AIP ADVANCES. ISSN 2158-3226, 2015, vol. 5, no. 1, 017142., Registrované v: WOS
645. [1.1] ZHANG, Yi-Xuan - JIAO, Yong-Chang - ZHANG, Li. Wideband Inhomogeneous-Polarizer Loaded Circularly Polarized SIW Horn Antenna for Broadband Millimeter-Wave Applications. In IEEE ANTENNAS AND WIRELESS PROPAGATION LETTERS. ISSN 1536-1225, 2019, vol. 18, no. 7, pp. 1448-1452., Registrované v: WOS
646. [1.1] ZHANG, Yi-Xuan - JIAO, Yong-Chang - ZHANG, Li. Wideband Circularly Polarized Array Antennas With Sequential-Rotation Polarization Grid and Simplified Full-SIW Feeding Networks. In IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION. ISSN 0018-926X, 2020, vol. 68, no. 8, pp. 6088-6097., Registrované v: WOS
647. [1.1] ZHANG, Yi-Xuan - Jiao, Yong-Chang - Liu, Sui-Bin. 3-D-Printed Comb Mushroom-Like Dielectric Lens for Stable Gain Enhancement of Printed Log-Periodic Dipole Array. In IEEE ANTENNAS AND WIRELESS PROPAGATION LETTERS, 2018, vol. 17, no. 11, SI, pp. 2099-2103., Registrované v: WOS
648. [1.1] ZHANG, Yu - LI, Minquan - PAN, Xu - et al. High Gain Microstrip Antenna Based on Zero-index Metamaterials. In Conference: Progress in Electromagnetics Research Symposium (PIERS-Toyama), Book Series: Progress in Electromagnetics Research Symposium, 2018, pp. 1088-1091., Registrované v: WOS
649. [1.1] ZHANG, Yuan - LING, Fang - HUANG, Renshuai - et al. Simple structure THz metamaterial with broadband double-negative refraction. In OPTICAL MATERIALS EXPRESS, 2018, vol. 8, no. 12, pp. 3729-3737., Registrované v: WOS
650. [1.1] ZHANG, Y. et al. Numerical analysis of superscattering. In APPLIED PHYSICS B, 2015, vol. 121, p. 57., Registrované v: WOS
651. [1.1] ZHANG, Y. - ARATANI, Y. - NAKAZIMA, H. A microwave free-space method using artificial lens with anti-reflection layer. In SENSING AND IMAGING, 2017, vol. 18., Registrované v: WOS
652. [1.1] ZHANG, Zhenqing - LI, Yunhui - WANG, Shaohua - LU, Hai - SUN, Yong - JIANG, Haitao - CHEN, Hong. Metasurface-enhanced optical Tamm states and related lasing effect. In JOURNAL OF THE OPTICAL

SOCIETY OF AMERICA B-OPTICAL PHYSICS. ISSN 0740-3224, 2015, vol. 32, no. 8, pp. 1624., Registrované v: WOS

653. [1.1] ZHANG, Zhenya - LIN, Shangshun - ZHANG, Keming. Enhancement of the absorption and bandwidth of a hybrid metamaterial absorber. In RESULTS IN PHYSICS. ISSN 2211-3797, 2019, vol. 14, 102412., Registrované v: WOS

654. [1.1] ZHANG, Z. - WANG, S. Experimental verification of high performed multiple-band metamaterial absorber. In INFRARED PHYSICS & TECHNOLOGY, 2017, vol. 82, pp. 126 - 132., Registrované v: WOS

655. [1.1] ZHAO, Guozhi - BI, Shihua - NIU, Mowen - CUI, Yancheng. A zero refraction metamaterial and its application in electromagnetic stealth cloak. In MATERIALS TODAY COMMUNICATIONS. ISSN 2352-4928, 2019, vol. 21, 100603., Registrované v: WOS

656. [1.1] ZHAO, Guozhi - BI, Shihua. Negative refraction characteristics of a kind of concave metamaterial. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2019, vol. 125, no. 16, UNSP 165106., Registrované v: WOS

657. [1.1] ZHAO, Guozhi - BI, Shihua. Design and verification of double band negative refraction metamaterial. In CHEMICAL PHYSICS LETTERS. ISSN 0009-2614, 2019, vol. 725, pp. 92-96., Registrované v: WOS

658. [1.1] ZHAO, Huimin - MA, Yao - YAN, Lin - XU, Jian - CHEN, Jiangwei. Low-microwave-permeability metamaterials formed by millimeter-sized metal coils. In INDIAN JOURNAL OF PHYSICS. ISSN 0973-1458, 2020, vol. 94, no. 8, pp. 1183-1188., Registrované v: WOS

659. [1.1] ZHAO, Qian - XIAO, Zongqi - ZHANG, Fuli - MA, Junming - QIAO, Ming - MENG, Yonggang - LAN, Chuwen - LI, Bo - ZHOU, Ji - ZHANG, Peng - SHEN, Nian-Hai - KOSCHNY, Thomas - SOUKOULIS, Costas M. Tailorable Zero-Phase Delay of Subwavelength Particles toward Miniaturized Wave Manipulation Devices. In ADVANCED MATERIALS. ISSN 0935-9648, 2015, vol. 27, no. 40, pp. 6187., Registrované v: WOS

660. [1.1] ZHAO, Xiaoguang - DUAN, Guangwu - LI, Aobo - CHEN, Chunxu - ZHANG, Xin. Integrating microsystems with metamaterials towards metadevices. In MICROSYSTEMS & NANOENGINEERING. ISSN 2055-7434, 2019, vol. 5, UNSP 5., Registrované v: WOS

661. [1.1] ZHAO, Yan. Design of high-gain, wideband antenna using microwave hyperbolic metasurface. In AIP ADVANCES. ISSN 2158-3226, 2016, vol. 6, no. 5, pp., Registrované v: WOS

662. [1.1] ZHONG MIN - HAN GUI-MING. Tunable broad stop-band filter based on multilayer metamaterials in the THz regime. In JOURNAL OF INFRARED AND MILLIMETER WAVES. ISSN 1001-9014, 2016, vol. 35, no. 1, pp. 11-14., Registrované v: WOS

663. [1.1] ZHONG MIN - SHI XIAN-CHUN. Realization of a multiband metamaterial waveguide based on dirac semimetal in the 800 similar to 1100nm range. In JOURNAL OF INFRARED AND MILLIMETER WAVES. ISSN 1001-9014, 2020, vol. 39, no. 5, pp. 576-582., Registrované v: WOS

664. [1.1] ZHONG, Hongxia - QUHE, Ruge - WANG, Yangyang - NI, Zeyuan - YE, Meng - SONG, Zhigang - PAN, Yuanyuan - YANG, Jinbo - YANG, Li - LEI, Ming - SHI, Junjie - LU, Jing. Interfacial Properties of Monolayer and Bilayer MoS₂ Contacts with Metals: Beyond the Energy Band Calculations. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2016, vol. 6, no., pp., Registrované v: WOS

665. [1.1] ZHONG, Min - HAN, Gui Ming - LIU, Shui Jie - XU, Bang Li - WANG, Jie - HUANG, Hua Qing. Absorption enhancement of a dual-band metamaterial absorber. In PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES. ISSN 1386-9477, 2017, vol. 86, pp. 158-163., Registrované v: WOS
666. [1.1] ZHONG, Min - JIANG, Xiaoting - ZHU, Xuliang - CHEN, Jin'an - WU, Shunxin - ZHANG, Jing - ZHONG, Jinglin - YANG, Kejing - ZENG, Lidan - HUANG, Shidan - CHEN, Yuhua - ZHANG, Jinghao - LIANG, Limian - XIN, Yulong - CHEN, Huixian. Design and measurement of a single-dual-band tunable metamaterial absorber in the terahertz band. In PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES. ISSN 1386-9477, 2020, vol. 124, 114343., Registrované v: WOS
667. [1.1] ZHONG, Min - JIANG, Xiaoting - ZHU, Xuliang - ZHANG, Jing - ZHONG, Jinglin - CHEN, Jin'an - WU, Shunxin - ZHANG, Jinghao - LIANG, Limian - ZENG, Lidan - XIN, Yulong - CHEN, Huixian - CHEN, Yuhua - HUANG, Shidan - YANG, Kejing. Modulation of a dual-band metamaterial absorber in the terahertz band. In PHYSICA SCRIPTA. ISSN 0031-8949, 2020, vol. 95, no. 5, 055504., Registrované v: WOS
668. [1.1] ZHONG, Min - JIANG, Xiaoting - ZHU, Xuliang - ZHANG, Jing - ZHONG, Jinglin - CHEN, Jin'an - WU, Shunxin - ZHANG, Jinghao - LIANG, Limian - ZENG, Lidan - XIN, Yulong - CHEN, Huixian. Modulation of the absorption properties of a dual band metamaterial based on VO₂ thin films. In INFRARED PHYSICS & TECHNOLOGY. ISSN 1350-4495, 2020, vol. 104, 103114., Registrované v: WOS
669. [1.1] ZHONG, Min - JIANG, Xiaoting - ZHU, Xuliang - ZHANG, Jing - ZHONG, Jinglin. Design and preparation of a single-band tunable metamaterial absorber in terahertz frequency. In PHYSICA SCRIPTA. ISSN 0031-8949, 2020, vol. 95, no. 5, 055506., Registrované v: WOS
670. [1.1] ZHONG, Min - JIANG, Xiaoting - ZHU, Xuliang - ZHANG, Jing - ZHONG, Jinglin. Design and fabrication of a single metal layer tunable metamaterial absorber in THz range. In OPTICS AND LASER TECHNOLOGY. ISSN 0030-3992, 2020, vol. 125, 106023., Registrované v: WOS
671. [1.1] ZHONG, Min - LIU, Shui Jie - XU, Bang Li - et al. Design and measuring of a tunable hybrid metamaterial absorber for terahertz frequencies. In OPTICAL MATERIALS, 2018, vol. 78, pp. 1-7., Registrované v: WOS
672. [1.1] ZHONG, Min - YE, Yonghong. Role of coupling of localized surface plasmon modes in transmission properties of compound structure metamaterials. In OPTICS COMMUNICATIONS. ISSN 0030-4018, 2015, vol. 335, no., pp. 94., Registrované v: WOS
673. [1.1] ZHONG, Min. A high performance and temperature sensitive absorber based on hybrid dielectric layers metamaterial. In OPTICS AND LASER TECHNOLOGY. ISSN 0030-3992, 2019, vol. 112, pp. 168-174., Registrované v: WOS
674. [1.1] ZHONG, Min. A reconfigurable sandwich structure switchable DNA-based metamaterial. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2020, vol. 10, no. 1, 17511., Registrované v: WOS
675. [1.1] ZHONG, Min. Design and verification a six-band plasmonic metasurface based on plasmon-induced transparency. In OPTICAL MATERIALS. ISSN 0925-3467, 2020, vol. 109, 110228., Registrované v: WOS
676. [1.1] ZHONG, Min. Design and verify a dual modulated metasurface

in terahertz range. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2020, vol. 10, no. 1, 19845., Registrované v: WOS

677. [1.1] ZHONG, Min. Design and verification of a tunable metamaterial and its sensing application. In IET OPTOELECTRONICS. ISSN 1751-8768, 2020, vol. 14, no. 6, pp. 386-390., Registrované v: WOS

678. [1.1] ZHONG, Min. Design and verification of a multiple bands terahertz plasmonic metasurface based on electromagnetically induced transparency effect. In OPTICAL MATERIALS. ISSN 0925-3467, 2020, vol. 106, 110019., Registrované v: WOS

679. [1.1] ZHONG, Min. Design and modulation of the plasmon-induced transparency based on terahertz metamaterials. In INFRARED PHYSICS & TECHNOLOGY. ISSN 1350-4495, 2020, vol. 108, 103377., Registrované v: WOS

680. [1.1] ZHONG, Min. Design and Realization of a Perfect Metamaterial Absorber in Terahertz Band. In PLASMONICS. ISSN 1557-1955, 2020, vol. 15, no. 6, pp. 1875-1882., Registrované v: WOS

681. [1.1] ZHONG, Min. Design and measurement of a narrow band metamaterial absorber in terahertz range. In OPTICAL MATERIALS. ISSN 0925-3467, 2020, vol. 100, 109712., Registrované v: WOS

682. [1.1] ZHONG, Min. Enhance of the absorption and bandwidth based on a ultra-thin tungsten structure metamaterial absorber in 400-1500 nm range. In OPTICS AND LASER TECHNOLOGY. ISSN 0030-3992, 2020, vol. 127, 106142., Registrované v: WOS

683. [1.1] ZHONG, Min. Enhancement transmission of terahertz metamaterials using a round hole resonator array. In INFRARED PHYSICS & TECHNOLOGY. ISSN 1350-4495, 2020, vol. 106, 103258., Registrované v: WOS

684. [1.1] ZHONG, Min. Modulation of a multi-band tunable metamaterial with metal disk array. In OPTICAL MATERIALS. ISSN 0925-3467, 2020, vol. 106, 110023., Registrované v: WOS

685. [1.1] ZHONG, Min. Modulation of single-band to multi-band based on tunable metamaterial absorber in terahertz range. In INFRARED PHYSICS & TECHNOLOGY. ISSN 1350-4495, 2020, vol. 106, 103264., Registrované v: WOS

686. [1.1] ZHONG, Min. Realization of a tunable double-fishnet metamaterial structure based on the plasmon-induced transparency. In JOURNAL OF ELECTROMAGNETIC WAVES AND APPLICATIONS. ISSN 0920-5071, 2020, vol. 34, no. 6, pp. 789-801., Registrované v: WOS

687. [1.1] ZHONG, Min. Simulation and fabrication of a single-band tunable absorber in 20-50 THz range based on cross array metamaterials. In INFRARED PHYSICS & TECHNOLOGY. ISSN 1350-4495, 2020, vol. 107, 103322., Registrované v: WOS

688. [1.1] ZHONG, Min. Tunable near-perfect absorption through interaction between localized surface plasmons modes in optical metamaterials. In OPTICAL AND QUANTUM ELECTRONICS. ISSN 0306-8919, 2019, vol. 51, no. 8, 270., Registrované v: WOS

689. [1.1] ZHONG, Min. Verification and modulation of multi-mode chiral hybrid metamaterial based on VO₂ layer. In INFRARED PHYSICS & TECHNOLOGY. ISSN 1350-4495, 2020, vol. 109, 103440., Registrované v: WOS

690. [1.1] ZHONG, M. Experimental and numerical study. In OPTICS COMMUNICATIONS, 2015, vol. 349, p. 42., Registrované v: WOS
691. [1.1] ZHONG, M. Localized surface plasmon resonance. In OPTICS COMMUNICATIONS, 2015, vol. 356, p. 607., Registrované v: WOS
692. [1.1] ZHONG, M. - YE, Y. H. Numerical demonstration of compound structure broad pass-band optical metamaterial filter. In APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING. ISSN 0947-8396, 2015, vol. 119, no. 2, pp. 639., Registrované v: WOS
693. [1.1] ZHONG, S. - JIANG, W. - XU, P. - et al. A radar-infrared bi-stealth structure based on metasurfaces. In APPLIED PHYSICS LETTERS, 2017, vol. 110, no. 6, 063502., Registrované v: WOS
694. [1.1] ZHOU, Jianhua - TANG, Yu - XU, Ruidi - YOU, Baiqiang. A Multi-band Antenna Loaded with a Windmill-shaped Metastructure for WLAN/WiMAX Applications. In 2016 PROGRESS IN ELECTROMAGNETICS RESEARCH SYMPOSIUM (PIERS), 2016, vol., no., pp. 852-856., Registrované v: WOS
695. [1.1] ZHOU, Nan - XU, Xianfan. Metamaterial-based perfect absorbers for efficiently enhancing near field radiative heat transfer. In JOURNAL OF QUANTITATIVE SPECTROSCOPY & RADIATIVE TRANSFER. ISSN 0022-4073, 2015, vol. 167, no., pp. 156., Registrované v: WOS
696. [1.1] ZHU, A. Y. - KUZNETSOV, A. I. - LUK'YANCHUK, B. - et al. Traditional and emerging materials for optical metasurfaces. In NANOPHOTONICS, 2017 vol. 6, no. 2, pp. 452 - 471., Registrované v: WOS
697. [1.1] ZHU, Baocheng - TANG, Shiwei - ZHOU, Lei. Effective medium theory for subwavelength cylinder arrays. In EPL. ISSN 0295-5075, 2016, vol. 113, no. 4, pp., Registrované v: WOS
698. [1.1] ZHU, Hailiang - CHEUNG, Sing Wai - YUK, Tung Ip. Enhancing Antenna Boresight Gain Using a Small Metasurface Lens Reduction in half-power beamwidth. In IEEE ANTENNAS AND PROPAGATION MAGAZINE. ISSN 1045-9243, 2016, vol. 58, no. 1, pp. 35-44., Registrované v: WOS
699. [1.1] ZHU, Hong-Yang - YAO, Ai-Qin - ZHONG, Min. Design and experimental verification of a dual-band metamaterial filter. In CHINESE PHYSICS B. ISSN 1674-1056, 2016, vol. 25, no. 10, pp., Registrované v: WOS
700. [1.1] ZHU, H.L.- CHEUNG, S.W.- YUK, T.I. Frequency-reconfigurable slot antenna. In MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, 2015, vol. 54, p. 1475., Registrované v: WOS
701. [1.1] ZHU, Weiwei - DING, Ya-qiong - REN, Jie - et al. Zak phase and band inversion in dimerized one-dimensional locally resonant metamaterials. In PHYSICAL REVIEW B, 2018, vol. 97, no. 19, 195307., Registrované v: WOS
702. [1.1] ZOGRAFOPOULOS, Dimitrios C. - BECCHERELLI, Romeo. Tunable terahertz fishnet metamaterials based on thin nematic liquid crystal layers for fast switching. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2015, vol. 5, 13137., Registrované v: WOS
703. [1.1] ZUBAIR, Amna - ZUBAIR, Muhammad - DANNER, Aaron - MEHMOOD, Muhammad Qasim. Engineering multimodal spectrum of Cayley tree fractal meta-resonator supercells for ultrabroadband terahertz light absorption. In NANOPHOTONICS. ISSN 2192-8606, 2020, vol. 9, no. 3, pp.

633-644., Registrované v: WOS

704. [1.2] ALI, Tanweer - BIRADAR, Rajshekar C. Design of three metasurface acting as left-handed material for reconfigurable antenna. In 2016 IEEE International Conference on Computational Intelligence and Computing Research, ICCIC 2016, 2017-05-04., Registrované v: SCOPUS

705. [1.2] AO, Tianhong - XU, Xiangdong - GU, Yu - CHEN, Zhegeng - JIANG, Yadong - LI, Xinrong - LIAN, Yuxiang - WANG, Fu - HE, Qiong - CHEN, Zexiang - ZHOU, Jun. Terahertz band-pass filters based on fishnet metamaterials fabricated on free-standing SiN₂/SiO₂ membrane. In Optics Communications. ISSN 00304018, 2017-12-15, vol. 405, pp. 22-28., Registrované v: SCOPUS

706. [1.2] BAO, Yang - SONG, Jiming. Effective medium model for multilayered anisotropic media with different orientations. In Applied Computational Electromagnetics Society Journal. ISSN 10544887, 2017-06-10, vol. 32, no. 6, pp. 491-497., Registrované v: SCOPUS

707. [1.2] CUI, Wenli - CHU, Shuwen - YU, Li - LIANG, Yuzhang - PENG, Wei. Extraordinary Optical Transmission Performances of Nanosandwiched Grating for Wideband Multi-Function Integration. In Plasmonics. ISSN 15571955, 2017-10-01, vol. 12, no. 5, pp. 1281-1288., Registrované v: SCOPUS

708. [1.2] DONG, Yayun - LI, Wenwen - YANG, Xijun - YAO, Chen - TANG, Houjun. Design of unit cell for metamaterials applied in a wireless power transfer system. In 2017 IEEE PELS Workshop on Emerging Technologies: Wireless Power Transfer, WoW 2017, 2017-06-26, pp. 143-147., Registrované v: SCOPUS

709. [1.2] DONG, Yayun - YANG, Xijun - JIN, Nan - LI, Wenwen - YAO, Chen - TANG, Houjun. Numerical analysis of the shifting slabs applied in a wireless power transfer system to enhance magnetic coupling. In AIP Advances, 2017-05-01, vol. 7, no. 5., Registrované v: SCOPUS

710. [1.2] FEIGENBAUM, Eyal - HISZPANSKI, Anna M. Phase accumulation tracking algorithm for effective index retrieval of fishnet metamaterials and other resonant guided wave networks. In Journal of Optics (United Kingdom). ISSN 20408978, 2017-07-01, vol. 19, no. 7., Registrované v: SCOPUS

711. [1.2] GUO, Xiao - JI, Chunlin - LIU, Ruopeng - TANG, Tao. A two-stage approach for frequency response modeling and metamaterial rapid design. In Progress In Electromagnetics Research C. ISSN 19378718, 2017-01-01, vol. 76, pp. 11-22., Registrované v: SCOPUS

712. [1.2] KOO, Sukmo - MASON, Daniel R. - KIM, Yunjung - PARK, Namkyoo. Top-down, decoupled control of constitutive parameters in electromagnetic metamaterials with dielectric resonators of internal anisotropy. In Scientific Reports, 2017-02-10, vol. 7, 42447., Registrované v: SCOPUS

713. [1.2] LUO, Y. - QIN, F. X. - SCARPA, F. - CARBONELL, J. - IPATOV, M. - ZHUKOVA, V. - ZHUKOV, A. - GONZALEZ, J. - PANINA, L. V. - PENG, H. X. Left-handed metacomposites containing carbon fibers and ferromagnetic microwires. In AIP Advances, 2017-05-01, vol. 7, no. 5., Registrované v: SCOPUS

714. [1.2] RADISIC, Vesna - HESTER, Jimmy G. - NGUYEN, Vinh N. - CAIRA, Nicholas W. - DIMARZIO, Donald - HILGEMAN, Theodore - LAROUCHE, Stéphane - KANESHIRO, Eric - GUTIERREZ-AITKEN,

- Augusto. V-band electronically reconfigurable metamaterial. In Journal of Applied Physics. ISSN 00218979, 2017-04-28, vol. 121, no. 16, 164902., Registrované v: SCOPUS
715. [1.2] RIZZA, Carlo - GALDI, Vincenzo - CIATTONI, Alessandro. Enhancement and interplay of first- and second-order spatial dispersion in metamaterials with moderate-permittivity inclusions. In Physical Review B. ISSN 24699950, 2017-08-21, vol. 96, no. 8, 081113., Registrované v: SCOPUS
716. [1.2] SAJEDIAN, Iman - KIM, Inki - ZAKERY, Abdolnasser - RHO, Junsuk. The role of current loop in harmonic generation from magnetic metamaterials in two polarizations. In Optics Communications. ISSN 00304018, 2017-10-15, vol. 401, pp. 66-70., Registrované v: SCOPUS
717. [1.2] SANO, Eiichi - IKEBE, Masayuki. Equivalent circuit analysis of artificial dielectric layers. In Progress In Electromagnetics Research M. ISSN 19378726, 2017-01-01, vol. 60, pp. 85-92., Registrované v: SCOPUS
718. [1.2] SOBOLEVA, V. V. - NAUMENKO, G. A. - BLEKO, V. V. - POTYLITSYN, A. P. Coherent radiation of relativistic electrons in metamaterials based on the SRR/wire-grid unit cell in millimeter wavelength range. In Nuclear Instruments and Methods in Physics Research, Section B: Beam Interactions with Materials and Atoms. ISSN 0168583X, 2017-07-01, vol. 402, pp. 182-184., Registrované v: SCOPUS
719. [1.2] WANG, Xiao Zhi - ZHU, Hong hui - LIU, Zhi gang. Numerical study a broad low-loss pass-band optical metamaterials filter through tailoring dispersion. In Optics Communications. ISSN 00304018, 2017-07-15, vol. 395, pp. 236-240., Registrované v: SCOPUS
720. [1.2] WU, Yunqiu - ARSLANAGIC, Samel. Single-and multi-layered all-dielectric ENG, MNG, and DNG material parameter extraction by use of the S-parameter method. In APCAP 2016 2016 IEEE 5th Asia-Pacific Conference on Antennas and Propagation, Conference Proceedings, 2017-02-03, pp. 39-40., Registrované v: SCOPUS
721. [1.2] XIAOMING, Zhu - YAN, Wang - BAISEN, Liu - QICHAO, Song. Ultra wide band-stop MEFSS with metamaterial characteristic. In 2017 International Applied Computational Electromagnetics Society Symposium in China, ACES-China 2017, 2017-09-26., Registrované v: SCOPUS
722. [1.2] YAN, Bo - ZHONG, Kesong - MA, Hongfeng - LI, Yun - SUI, Chenghua - WANG, Juanzhuan - SHI, Yi. Planar chiral metamaterial design utilizing metal-silicides for giant circular dichroism and polarization rotation in the infrared region. In Optics Communications. ISSN 00304018, 2017-01-15, vol. 383, pp. 57-63., Registrované v: SCOPUS
723. [1.2] ZHAO, Jingyin - JING, Xufeng - WANG, Weimin - TIAN, Ying - ZHU, Dongshuo - SHI, Guohua. Steady method to retrieve effective electromagnetic parameters of bianisotropic metamaterials at one incident direction in the terahertz region. In Optics and Laser Technology. ISSN 00303992, 2017-10-01, vol. 95, pp. 56-62., Registrované v: SCOPUS

ADCA1091 SOJKOVÁ, Michaela** - ŠIFFALOVÍČ, Peter - BABCHENKO, Oleg - VANKO, Gabriel - DOBROČKA, Edmund - HAGARA, Jakub - MRKÝVKOVÁ, Naďa, Tesařová - MAJKOVÁ, Eva - IZSÁK, Tibor - KROMKA, A. - HULMAN, Martin. Carbide-free one-zone sulfurization method grows thin MoS₂ layers on polycrystalline CVD diamond. In *Scientific Reports*, 2019, vol. 9, no. 2001. (2018: 4.011 - IF, Q1 - JCR, 1.414 - SJR, Q1 - SJR, Current Contents - CCC). (2019 -

Current Contents, WOS, SCOPUS). ISSN 2045-2322. Dostupné na:
<https://doi.org/10.1038/s41598-018-38472-9>

Ohlasy:

1. [1.1] OU, Nathan C. - PRERADOVIC, Konstantin - FERENCZY, Erik T. - SPARROW, Courtney B. - GERMAINE, Ian M. - JURCA, Titel - CRACIUN, Valentin - MCELWEE-WHITE, Lisa. Synthesis and Evaluation of Molybdenum Imido-Thiolato Complexes for the Aerosol-Assisted Chemical Vapor Deposition of Nitrogen-Doped Molybdenum Disulfide. In ORGANOMETALLICS. ISSN 0276-7333, 2020, vol. 39, no. 7, pp. 956-966., Registrované v: WOS

ADCA1092 SOJKOVÁ, Michaela** - VÉGSO, Karol - MRKÝVKOVÁ, Nad'a, Tesařová - HAGARA, Jakub - HUTÁR, Peter - ROSOVÁ, Alica - ČAPLOVIČOVÁ, M. - LUDACKA, U. - SKÁKALOVÁ, V. - MAJKOVÁ, Eva - ŠIFFALOVÍČ, Peter - HULMAN, Martin. Tuning the orientation of few-layer MoS₂ films using one-zone sulfurization. In *RSC Advances*, 2019, vol. 9, no. 51, p. 29645-29651. (2018: 3.049 - IF, Q2 - JCR, 0.807 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 2046-2069. Dostupné na:
<https://doi.org/10.1039/c9ra06770a>

Ohlasy:

1. [1.1] BALASUBRAMANYAM, Shashank - BLOODGOOD, Matthew A. - VAN OMMEREN, Mark - FARAZ, Tahsin - VANDALON, Vincent - KESSELS, Wilhelmus M. M. - VERHEIJEN, Marcel A. - BOL, Ageeth A. Probing the Origin and Suppression of Vertically Oriented Nanostructures of 2D WS₂ Layers. In ACS APPLIED MATERIALS & INTERFACES. ISSN 1944-8244, 2020, vol. 12, no. 3, pp. 3873-3885., Registrované v: WOS
2. [1.1] CICHOCKA, Magdalena O. - BOLHUIS, Maarten - VAN HEIJST, Sabrya E. - CONESA-BOJ, Sonia. Robust Sample Preparation of Large-Area In- and Out-of-Plane Cross Sections of Layered Materials with Ultramicrotomy. In ACS APPLIED MATERIALS & INTERFACES. ISSN 1944-8244, 2020, vol. 12, no. 13, pp. 15867-15874., Registrované v: WOS
3. [1.1] LEE, Junghyun - HEO, Jungwoo - LIM, Hyeong Yong - SEO, Jihyung - KIM, Youngwoo - KIM, Jihyun - KIM, Ungsoo - CHOI, Yunseong - KIM, Su Hwan - YOON, Yung Jin - SHIN, Tae Joo - KANG, Joohoon - KWAK, Sang Kyu - KIM, Jin Young - PARK, Hyesung. Defect-Induced in Situ Atomic Doping in Transition Metal Dichalcogenides via Liquid-Phase Synthesis toward Efficient Electrochemical Activity. In ACS NANO. ISSN 1936-0851, 2020, vol. 14, no. 12, pp. 17114-17124., Registrované v: WOS

ADCA1093 SOMMA, R.D. - NAGAJ, Daniel - KIEFEROVÁ, M. Quantum speedup by quantum annealing. In *Physical Review Letters*, 2012, vol. 109, no. 5, 050501. (2011: 7.370 - IF, Q1 - JCR, 6.314 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na:
<https://doi.org/10.1103/PhysRevLett.109.050501>

Ohlasy:

1. [1.1] ALBASH, Tameem - LIDAR, Daniel A. Adiabatic quantum computation. In REVIEWS OF MODERN PHYSICS. ISSN 0034-6861, 2018, vol. 90, no. 1, 015002., Registrované v: WOS
2. [1.1] ALBASH, Tameem. Validating a two-qubit nonstoquastic

- Hamiltonian in quantum annealing. In PHYSICAL REVIEW A. ISSN 2469-9926, 2020, vol. 101, no. 1, 012310., Registrované v: WOS
3. [1.1] ATIA, Yosi - OREN, Yonathan - KATZ, Nadav. Robust Diabatic Grover Search by Landau-Zener-Stuckelberg Oscillations. In ENTROPY, 2019, vol. 21, no. 10, 937., Registrované v: WOS
 4. [1.1] BAPAT, Aniruddha - JORDAN, Stephen. BANG-BANG CONTROL AS A DESIGN PRINCIPLE FOR CLASSICAL AND QUANTUM OPTIMIZATION ALGORITHMS. In QUANTUM INFORMATION & COMPUTATION. ISSN 1533-7146, 2019, vol. 19, no. 5-6, pp. 424-446., Registrované v: WOS
 5. [1.1] BOIXO, S. - ORTIZ, G. - SOMMA, R. Fast quantum methods for optimization. In EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS. ISSN 1951-6355, 2015, vol. 224, no. 1, pp. 35., Registrované v: WOS
 6. [1.1] BRAVYI, Sergey. MONTE CARLO SIMULATION OF STOQUASTIC HAMILTONIANS. In QUANTUM INFORMATION & COMPUTATION. ISSN 1533-7146, 2015, vol. 15, no. 13-14, pp. 1122., Registrované v: WOS
 7. [1.1] CAO, Yudong - JIANG, Shuxian - PEROULI, Debbie - KAIS, Sabre. Solving Set Cover with Pairs Problem using Quantum Annealing. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2016, vol. 6, 33957., Registrované v: WOS
 8. [1.1] DONG, Yumin - HUANG, Zhijie. An Improved Noise Quantum Annealing Method for TSP. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2020, vol. 59, no. 12, pp. 3737-3755., Registrované v: WOS
 9. [1.1] GOTO, Hayato - KANAO, Taro. Quantum annealing using vacuum states as effective excited states of driven systems. In COMMUNICATIONS PHYSICS. ISSN 2399-3650, 2020, vol. 3, no. 1, 235., Registrované v: WOS
 10. [1.1] HAMERLY, Ryan - INAGAKI, Takahiro - MCMAHON, Peter L. - VENTURELLI, Davide - MARANDI, Alireza - ONODERA, Tatsuhiro - NG, Edwin - LANGROCK, Carsten - INABA, Kensuke - HONJO, Toshimori - ENBUTSU, Koji - UMEKI, Takeshi - KASAHARA, Ryoichi - UTSUNOMIYA, Shoko - KAKO, Satoshi - KAWARABAYASHI, Ken-ichi - BYER, Robert L. - FEJER, Martin M. - MABUCHI, Hideo - ENGLUND, Dirk - RIEFFEL, Eleanor - TAKESUE, Hiroki - YAMAMOTO, Yoshihisa. Experimental investigation of performance differences between coherent Ising machines and a quantum annealer. In SCIENCE ADVANCES. ISSN 2375-2548, 2019, vol. 5, no. 5, eaau0823., Registrované v: WOS
 11. [1.1] HAMERLY, Ryan - INAGAKI, Takahiro - MCMAHON, Peter L. - VENTURELLI, Davide - MARANDI, Alireza - ENGLUND, Dirk R. - YAMAMOTO, Yoshihisa. Synchronously-pumped OPO coherent Ising machine: benchmarking and prospects. In AI AND OPTICAL DATA SCIENCES. ISSN 0277-786X, 2020, vol. 11299., Registrované v: WOS
 12. [1.1] HAUKE, Philipp - KATZGRABER, Helmut G. - LECHNER, Wolfgang - NISHIMORI, Hidetoshi - OLIVER, William D. Perspectives of quantum annealing: methods and implementations. In REPORTS ON PROGRESS IN PHYSICS. ISSN 0034-4885, 2020, vol. 83, no. 5, 054401., Registrované v: WOS
 13. [1.1] KANEKO, Kazuya - NISHIMORI, Hidetoshi. Adiabatic

- Approximation for the Imaginary-Time Schrodinger Equation and Its Application to Simulated Annealing. In JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN. ISSN 0031-9015, 2015, vol. 84, no. 9, 094001., Registrované v: WOS
14. [1.1] KATZGRABER, Helmut G. - HAMZE, Firas - ZHU, Zheng - OCHOA, Andrew J. - MUNOZ-BAUZA, H. Seeking Quantum Speedup Through Spin Glasses: The Good, the Bad, and the Ugly. In PHYSICAL REVIEW X. ISSN 2160-3308, 2015, vol. 5, no. 3, 031026., Registrované v: WOS
15. [1.1] KAVOKIN, AV - BAUMBERG, JJ - MALPUECH, G - LAUSSY, FP. Microcavities, 2nd Edition. In MICROCAVITIES, 2ND EDITION, 2017, vol. 21, pp. 1-592., Registrované v: WOS
16. [1.1] KONG, Linghang - CROSSON, Elizabeth. The performance of the quantum adiabatic algorithm on spike Hamiltonians. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION. ISSN 0219-7499, 2017, vol. 15, no. 2, 1750011., Registrované v: WOS
17. [1.1] LYCHKOVSKIY, Oleg. A Necessary Condition for Quantum Adiabaticity Applied to the Adiabatic Grover Search. In JOURNAL OF RUSSIAN LASER RESEARCH. ISSN 1071-2836, 2018, vol. 39, no. 6, pp. 552-557., Registrované v: WOS
18. [1.1] MANDRA, Salvatore - GUERRESCHI, Gian Giacomo - ASPURU-GUZIK, Alan. Adiabatic quantum optimization in the presence of discrete noise: Reducing the problem dimensionality. In PHYSICAL REVIEW A. ISSN 2469-9926, 2015, vol. 92, no. 6, 062320., Registrované v: WOS
19. [1.1] MUNOZ-BAUZA, Humberto - CHEN, Huo - LIDAR, Daniel. A double-slit proposal for quantum annealing. In NPJ QUANTUM INFORMATION. ISSN 2056-6387, 2019, vol. 5, 2., Registrované v: WOS
20. [1.1] MUTHUKRISHNAN, Siddharth - ALBASH, Tameem - LIDAR, Daniel A. Tunneling and Speedup in Quantum Optimization for Permutation-Symmetric Problems. In PHYSICAL REVIEW X. ISSN 2160-3308, 2016, vol. 6, no. 3, 031010., Registrované v: WOS
21. [1.1] MUTHUKRISHNAN, Siddharth - ALBASH, Tameem - LIDAR, Daniel A. Sensitivity of quantum speedup by quantum annealing to a noisy oracle. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 99, no. 3, 032324., Registrované v: WOS
22. [1.1] NAZARETH, Daryl P. - SPAANS, Jason D. First application of quantum annealing to IMRT beamlet intensity optimization. In PHYSICS IN MEDICINE AND BIOLOGY. ISSN 0031-9155, 2015, vol. 60, no. 10, pp. 4137., Registrované v: WOS
23. [1.1] OHZEKI, Masayuki - OKADA, Shuntaro - TERABE, Masayoshi - TAGUCHI, Shinichiro. Optimization of neural networks via finite-value quantum fluctuations. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2018, vol. 8, 9950., Registrované v: WOS
24. [1.1] OHZEKI, Masayuki. Breaking limitation of quantum annealer in solving optimization problems under constraints. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2020, vol. 10, no. 1, 3126., Registrované v: WOS
25. [1.1] OHZEKI, Masayuki. Message-passing Algorithm of Quantum Annealing with Nonstoquastic Hamiltonian. In JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN. ISSN 0031-9015, 2019, vol. 88, no. 6, 061005., Registrované v: WOS
26. [1.1] OHZEKI, Masayuki. Quantum Monte Carlo simulation of a particular class of non-stoquastic Hamiltonians in quantum annealing. In

SCIENTIFIC REPORTS. ISSN 2045-2322, 2017, vol. 7, 41186., Registrované v: WOS

27. [1.1] O&APOS;GORMAN, B. - BABBUS, R. - PERDOMO-ORTIZ, A. - ASPURU-GUZI, A. - SMELYANSKIY, V. Bayesian network structure learning using quantum annealing. In EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS. ISSN 1951-6355, 2015, vol. 224, no. 1, pp. 163., Registrované v: WOS

28. [1.1] PUDENZ, Kristen L. - ALBASH, Tameem - LIDAR, Daniel A. Quantum annealing correction for random Ising problems. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 91, no. 4, 042302., Registrované v: WOS

29. [1.1] SLUTSKII, Mikhail - ALBASH, Tameem - BARASH, Lev - HEN, Itay. Analog nature of quantum adiabatic unstructured search. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2019, vol. 21, no. 11, 113025., Registrované v: WOS

30. [1.1] SUBASI, Yigit - SOMMA, Rolando D. - ORSUCCI, Davide. Quantum Algorithms for Systems of Linear Equations Inspired by Adiabatic Quantum Computing. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 122, no. 6, 060504., Registrované v: WOS

31. [1.1] TAKAHASHI, Chako - OHZEKI, Masayuki - OKADA, Shuntaro - TERABE, Masayoshi - TAGUCHI, Shinichiro - TANAKA, Kazuyuki. Statistical-Mechanical Analysis of Compressed Sensing for Hamiltonian Estimation of Ising Spin Glass. In JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN. ISSN 0031-9015, 2018, vol. 87, no. 7, 074001., Registrované v: WOS

32. [1.1] VINCI, Walter - ALBASH, Tameem - PAZ-SILVA, Gerardo - HEN, Itay - LIDAR, Daniel A. Quantum annealing correction with minor embedding. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 92, no. 4, 042310., Registrované v: WOS

33. [1.1] VINCI, Walter - ALBASH, Tameem - LIDAR, Daniel A. Nested quantum annealing correction. In NPJ QUANTUM INFORMATION. ISSN 2056-6387, 2016, vol. 2, 16017., Registrované v: WOS

34. [1.1] VINCI, Walter - LIDAR, Daniel A. Optimally Stopped Optimization. In PHYSICAL REVIEW APPLIED. ISSN 2331-7019, 2016, vol. 6, no. 5, 054016., Registrované v: WOS

35. [1.1] VINCI, Walter - LIDAR, Daniel A. Non-stoquastic Hamiltonians in quantum annealing via geometric phases. In NPJ QUANTUM INFORMATION. ISSN 2056-6387, 2017, vol. 3, 38., Registrované v: WOS

36. [1.1] WANG, Wenlong - MACHTA, Jonathan - KATZGRABER, Helmut G. Chaos in spin glasses revealed through thermal boundary conditions. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 92, no. 9, 094410., Registrované v: WOS

37. [1.1] WEI, Tzu-Chieh - HUANG, Ching-Yu. Universal measurement-based quantum computation in two-dimensional symmetry-protected topological phases. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 96, no. 3, 032317., Registrované v: WOS

38. [1.1] YAMASHIRO, Yu - OHKUWA, Masaki - NISHIMORI, Hidetoshi - LIDAR, Daniel A. Dynamics of reverse annealing for the fully connected p-spin model. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 5, 052321., Registrované v: WOS

39. [1.1] YUGE, Tatsuro. Superposition of Macroscopically Distinct States in Adiabatic Quantum Computation. In JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN. ISSN 0031-9015, 2018, vol. 87, no. 12, 124002., Registrované v: WOS
40. [1.1] ZHANG, Zhigang - LU, Songfeng - ZHOU, Xin. Can adiabatic algorithms with extra items always be efficient in quantum computation? In JOURNAL OF INTELLIGENT & FUZZY SYSTEMS. ISSN 1064-1246, 2018, vol. 34, no. 2, pp. 1061-1070., Registrované v: WOS
41. [1.1] ZHU, Zheng - OCHOA, Andrew J. - SCHNABEL, Stefan - HAMZE, Firas - KATZGRABER, Helmut G. Best-case performance of quantum annealers on native spin-glass benchmarks: How chaos can affect success probabilities. In PHYSICAL REVIEW A. ISSN 1050-2947, 2016, vol. 93, no. 1, 012317., Registrované v: WOS

ADCA1094 SOMOGYI, Bálint - DERIAN, René - ŠTICH, Ivan - GALI, Adam**. High-throughput study of compositions and optical properties in heavily co-doped silicon nanoparticles. In *Journal of Physical Chemistry C*, 2017, vol. 121, no. 49, p. 27741-27750. (2016: 4.536 - IF, Q1 - JCR, 1.964 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 1932-7447. Dostupné na: <https://doi.org/10.1021/acs.jpcc.7b09501>

Ohlasy:

1. [1.1] HUNTER, Katharine I. - BEDFORD, Nicholas - SCHRAMKE, Katelyn - KORTSHAGEN, Uwe R. Probing Dopant Locations in Silicon Nanocrystals via High Energy X-ray Diffraction and Reverse Monte Carlo Simulation. In NANO LETTERS. ISSN 1530-6984, 2020, vol. 20, no. 2, pp. 852-859., Registrované v: WOS
2. [1.1] LEE, Alex J. - CHEN, Ming - LI, Wenfei - NEUHAUSER, Daniel - BAER, Roi - RABANI, Eran. Dopant levels in large nanocrystals using stochastic optimally tuned range-separated hybrid density functional theory. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 102, no. 3, 035112., Registrované v: WOS
3. [1.1] LIMPENS, Rens - FUJII, Minoru - NEALE, Nathan R. - GREGORKIEWICZ, Tom. Negligible Electronic Interaction between Photoexcited Electron-Hole Pairs and Free Electrons in Phosphorus-Boron Co-Doped Silicon Nanocrystals. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2018, vol. 122, no. 11, pp. 6397-6404., Registrované v: WOS
4. [1.1] LIMPENS, Rens - PACH, Gregory F. - NEALE, Nathan R. Nonthermal PlasmaSynthesized Phosphorus-Boron co-Doped Si Nanocrystals: A New Approach to Nontoxic NIR-Emitters. In CHEMISTRY OF MATERIALS. ISSN 0897-4756, 2019, vol. 31, no. 12, pp. 4426-4435., Registrované v: WOS
5. [1.1] LIMPENS, Rens - PACH, Gregory F. - MULDER, David W. - NEALE, Nathan R. Size-Dependent Asymmetric Auger Interactions in Plasma-Produced n- and p-Type-Doped Silicon Nanocrystals. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2019, vol. 123, no. 9, pp. 5782-5789., Registrované v: WOS
6. [1.1] LIMPENS, Rens - SUGIMOTO, Hiroshi - NEALE, Nathan R. - FUJII, Minoru. Critical Size for Carrier Delocalization in Doped Silicon Nanocrystals: A Study by Ultrafast Spectroscopy. In ACS PHOTONICS. ISSN 2330-4022, 2018, vol. 5, no. 10, pp. 4037-4045., Registrované v: WOS
7. [1.1] SONG, Bin - HE, Yao. Fluorescent silicon nanomaterials: from

synthesis to functionalization and application. In NANO TODAY. ISSN 1748-0132, 2019, vol. 26, pp. 149-163., Registrované v: WOS

8. [1.1] SUGIMOTO, Hiroshi - YAMAMURA, Masataka - FUJII, Riku - FUJII, Minoru. Donor-Acceptor Pair Recombination in Size-Purified Silicon Quantum Dots. In NANO LETTERS. ISSN 1530-6984, 2018, vol. 18, no. 11, pp. 7282-7288., Registrované v: WOS

ADCA1095 SOULIOTIS, G.A. - VESELSKÝ, Martin - GALANOPOULOS, S. - JANDEL, M. - KOHLEY, Z. - MAY, L.W. - SHETTY, D.V. - STEIN, B.C. - YENNELLO, J. Approaching neutron-rich nuclei toward the r-process path in peripheral heavy-ion collisions at 15 MeV/nucleon. In *Physical Review C*, 2011, vol. 84, no. 6, 064607. (2010: 3.416 - IF, 2.409 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.84.064607>

Ohlasy:

1. [1.1] JOHNSON, T. D. - KULP, W. D. Nuclear Data Sheets for A=87*. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2015, vol. 129, pp. 1., Registrované v: WOS

2. [1.1] KAYA, Aysegul - BUYUKCIZMECI, Nihal - OGUL, Riza. Isotopic distribution in projectile fragments above the Coulomb barrier. In TURKISH JOURNAL OF PHYSICS. ISSN 1300-0101, 2018, vol. 42, no. 6, pp. 659-667., Registrované v: WOS

3. [1.1] PIANTELLI, S. - PASTORE, G. - ALBA, R. - et al. Recent results of the ISOFAZIA experiment. In NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, 2018, vol. 41, no. 5, 171., Registrované v: WOS

4. [1.1] PIANTELLI, S. - PASTORE, G. - ALBA, R. - BARLINI, S. - BINI, M. - BONNET, E. - BORDERIE, B. - BOUGAULT, R. - BRUNO, M. - BUCCOLA, A. - CAMAIANI, A. - CASINI, G. - CHBIHI, A. - CIAMPI, C. - CICERCHIA, M. - CINAUSERO, M. - DELL'AQUILA, D. - DUENAS, J. A. - FABRIS, D. - FRANCALANZA, L. - FRANKLAND, J. D. - FROSIN, C. - GRAMEGNA, F. - GRUYER, D. - HENRI, M. - KORDYASZ, A. - KOZIK, T. - LE NEINDRE, N. - LOMBARDO, I. - LOPEZ, O. - MAIOLINO, C. - MANTOVANI, G. - MARCHI, T. - MORELLI, L. - OLMÍ, A. - OTTANELLI, P. - PARLOG, M. - PASQUALI, G. - POGGI, G. - SANTONOCITO, D. - STEFANINI, A. A. - VALDRE, S. - VERDE, G. - VIENT, E. - VIGILANTE, M. Isospin transport phenomena in semiperipheral heavy ion collisions at Fermi energies. In NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, 2019, vol. 42, no. 2-3, 104., Registrované v: WOS

5. [1.1] PIANTELLI, S. - VALDRE, S. - BARLINI, S. - et al. Isospin diffusion in binary collisions of S-32+Ca-40,Ca-48 and S-32+Ti-48 at 17.7 MeV/nucleon. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 96, no. 3, 034622., Registrované v: WOS

6. [1.1] SEKIZAWA, Kazuyuki. Enhanced nucleon transfer in tip collisions of U-238+Sn-124. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 96, no. 4, 041601., Registrované v: WOS

7. [1.1] STEFAN, I. - FORNAL, B. - LEONI, S. - et al. Neutron-rich nuclei produced at zero degrees in damped collisions induced by a beam of O-18

on a U-238 target. In PHYSICS LETTERS B. ISSN 0370-2693, 2018, vol. 779, pp. 456-459., Registrované v: WOS

ADCA1096 SOULIOTIS, G.A. - VESELSKÝ, Martin - SHETTY, D. - YENNELLO, S.J. Heavy-residue isoscaling as a probe of the process of N/Z equilibration. In *Physics Letters B*, 2004, vol. 588, no. 1-2, p. 35-42. (2003: 4.066 - IF, Current Contents - CCC). (2004 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2004.03.027>

Ohlasy:

1. [1.1] DAI, Z. T. - FANG, D. Q. - MA, Y. G. - CAO, X. G. - ZHANG, G. Q. - SHEN, W. Q. Effect of neutron skin thickness on projectile fragmentation. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 91, no. 3, pp., Registrované v: WOS
2. [1.1] SU, Jun - HUANG, Ching-Yuan - XIE, Wen-Jie - ZHANG, Feng-Shou. Effects of in-medium nucleon-nucleon cross sections on stopping observable and ratio of free protons in heavy-ion collisions at 400 MeV/nucleon. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2016, vol. 52, no. 7, 207., Registrované v: WOS
3. [1.1] ZHANG YINGXUN - ZHOU CHENGSHUANG - CHEN JIXIAN - WANG NING - ZHAO KAI - LI ZHUXIA. Correlation between the fragmentation modes and light charged particles emission in heavy ion collisions. In SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY. ISSN 1674-7348, 2015, vol. 58, no. 11, pp., Registrované v: WOS
4. [1.1] ZHANG, Yan - TIAN, Junlong - CHENG, Wenjing - et al. Long-time drift of the isospin degree of freedom in heavy ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 4, 041602., Registrované v: WOS

ADCA1097 SOULIOTIS, G.A. - FOUNTAS, P.N. - VESELSKÝ, Martin - GALANOPOULOS, S. - KOHLEY, Z. - MCINTOSH, A. Isoscaling of heavy projectile residues and N/Z equilibration in peripheral heavy-ion collisions below the Fermi energy. In *Physical Review C*, 2014, vol. 90, no. 6, 064612. (2013: 3.881 - IF, Q1 - JCR, 2.584 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.90.064612>

Ohlasy:

1. [1.1] IWATA, Yoritaka - STEVENSON, Paul. Conditional recovery of time-reversal symmetry in many nucleus systems. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2019, vol. 21, no. 4, 043010., Registrované v: WOS
2. [1.1] MA, Chun-Wang - MA, Yu-Gang. Shannon information entropy in heavy-ion collisions. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2018, vol. 99, pp. 120-158., Registrované v: WOS
3. [1.1] WANG, Ning - GUO, Lu. New neutron-rich isotope production in Sm-154+Gd-160. In PHYSICS LETTERS B. ISSN 0370-2693, 2016, vol. 760, pp. 236-241., Registrované v: WOS
4. [1.1] WANG, Ning - WU, Tong - ZENG, Jie - YANG, Yongxu - OU, Li. Improvement on Fermionic properties and new isotope production in molecular dynamics simulations. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2016, vol. 43, no. 6, 065101., Registrované v: WOS

5. [1.1] ZHANG, Yan - TIAN, Junlong - CHENG, Wenjing - et al.
Long-time drift of the isospin degree of freedom in heavy ion collisions. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2017, vol. 95, no. 4, 041602.,
Registrované v: WOS

ADCA1098 SOUZA, Andre M. C.** - RAPČAN, Peter - TSALLIS, Constantino.
Area-law-like systems with entangled states can preserve ergodicity. In *The European Physical Journal Special Topics*, 2020, vol. 229, no. 5, p. 759–772. (2019: 1.668 - IF, Q3 - JCR, 0.581 - SJR, Q2 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 1951-6355. Dostupné na:
<https://doi.org/10.1140/epjst/e2020-900003-3>

Ohlasy:

1. [1.1] BALOGH, Samuel G. - PALLA, Gergely - POLLNER, Peter - CZEGEL, Daniel. Generalized entropies, density of states, and non-extensivity. In *SCIENTIFIC REPORTS*. ISSN 2045-2322, 2020, vol. 10, no. 1, 15516.,
Registrované v: WOS

ADCA1099 SPASOVA, M. - WIEDWALD, U. - RAMCHAL, R. - FARLE, M. - JERGEL, Matej - MAJKOVÁ, Eva - LUBY, Štefan - SENDERÁK, Rudolf.
Magnetization and Magnetic Anisotropy of Co/W Multilayers. In *Physica status solidi B : basic solid state physics*, 2001, vol. 225, no. 2, p. 449-457. ISSN 0370-1972. Dostupné na:

[https://doi.org/10.1002/1521-3951\(200106\)225:2<449::AID-PSSB449>3.0.CO;2-3](https://doi.org/10.1002/1521-3951(200106)225:2<449::AID-PSSB449>3.0.CO;2-3)

Ohlasy:

1. [1.1] BARTOLOME SANJOAQUIN, Juan - GARCIA VINUESA, Luis Miguel. Structural and Magnetic Properties of Amorphous Co-W Alloyed Nanoparticles. In *MAGNETIC NANOPARTICLES: A STUDY BY SYNCHROTRON RADIATION AND RF TRANSVERSE SUSCEPTIBILITY*. ISSN 2190-5053, 2015, pp. 31-66., Registrované v: WOS

2. [1.1] BENGUETTAT-EL MOKHTARI, I. - MOURKAS, A. - NTETSIKA, P. - PANAGIOTOPOULOS, I. - ROUSSIGNE, Y. - CHERIF, S. M. - STASHKEVICH, A. - KAIL, F. - CHAHED, L. - BELMEGUENAI, M. Interfacial Dzyaloshinskii-Moriya interaction, interface-induced damping and perpendicular magnetic anisotropy in Pt/Co/W based multilayers. In *JOURNAL OF APPLIED PHYSICS*. ISSN 0021-8979, 2019, vol. 126, no. 13, pp.,
Registrované v: WOS

3. [1.1] MARKOU, A. - MOURKAS, A. - KOUME, A. - PANAGIOTOPOULOS, I. - STOLERIU, L. - STANCU, A. Study of magnetization reversal in layered heterostructures by vector magnetometry. In *JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS*. ISSN 0304-8853, 2018, vol. 445, pp. 95-102., Registrované v: WOS

4. [1.1] YALCIN, O. - UNLUER, S. - KAZAN, S. - OZDEMIR, M. - ONER, Y. Temperature evolution of magnetic properties for (Cu/Co)(60)/Fe multilayer. In *JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS*. ISSN 0304-8853, 2015, vol. 373, pp. 144-150., Registrované v: WOS

ADCA1100 SPILSBURY, D. - BUTVIN, Pavol - COWLAM, N. - HOWELLS, W. S. - COOPER, R. J. Some evidence for directional atomic pair ordering in a cobalt-based metallic glass. In *Materials Science and Engineering A - Structural Materials Properties Microstructure and Processing*, 1997, vol. 226, p. 187-191.

(1996: 0.852 - IF, Current Contents - CCC). (1997 - Current Contents, WOS, SCOPUS). ISSN 0921-5093.

Ohlasy:

1. [1.1] SUN, Yonghao - CONCUSTELL, Amadeu - GREER, A. Lindsay. Thermomechanical processing of metallic glasses: extending the range of the glassy state. In *NATURE REVIEWS MATERIALS*. ISSN 2058-8437, 2016, vol. 1, no. 9, 16039., Registrované v: WOS
2. [1.1] SUN, Y. H. - CONCUSTELL, A. - CARPENTER, M. A. - QIAO, J. C. - RAYMENT, A. W. - GREER, A. L. Flow-induced elastic anisotropy of metallic glasses. In *ACTA MATERIALIA*. ISSN 1359-6454, 2016, vol. 112, pp. 132-140., Registrované v: WOS

ADCA1101 SPIŠIAK, Ján - HARTMANOVÁ, Mária - KNAB, G.G. - KRCHO, V. Thermal-properties of yttria-stabilized zirconia (YSZ). In *Journal of the European Ceramic Society*, 1993, vol. 11, no. 6, p. 509-514. ISSN 0955-2219. Dostupné na: [https://doi.org/10.1016/0955-2219\(93\)90110-D](https://doi.org/10.1016/0955-2219(93)90110-D)

Ohlasy:

1. [1.1] RUIZ-CARIDAD, Alicia - MARCAUD, Guillaume - RAMIREZ, Joan Manel - ZHANG, Jianhao - DURAN-VALDEIGLESIAS, Elena - LAFFORGE, Christian - LARGEAU, Ludovic - MAROUTIAN, Thomas - MATZEN, Sylvia - COLLIN, Stephane - ALONSO-RAMOS, Carlos - AGNUS, Guillaume - GUERBER, Sylvain - BAUDOT, Charles - BOEUF, Frederic - MONFRAY, Stephane - CREMER, Sebastien - VAKARIN, Vladyslav - CASSAN, Eric - MARRIS-MORINI, Delphine - LECOEUR, Philippe - VIVIEN, Laurent. Erbium-Doped Yttria-Stabilized Zirconia Thin Layers for Photonic Applications. In *IEEE JOURNAL OF QUANTUM ELECTRONICS*. ISSN 0018-9197, 2020, vol. 56, no. 2., Registrované v: WOS

ADCA1102 STANKOV, S. - YUE, Y.Z. - MIGLIERINI, M. - SEPIOL, B. - SERGUEEV, I. - CHUMAKOV, A.I. - HU, L. - ŠVEC, Peter - RUFFER, R. Vibrational properties of nanograins and interfaces in nanocrystalline materials. In *Physical Review Letters*, 2008, vol. 100, no. 23, 235503. (2007: 6.944 - IF, Q1 - JCR, 5.950 - SJR, Q1 - SJR, Current Contents - CCC). (2008 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.100.235503>

Ohlasy:

1. [1.1] CLAUDIO, Tania - STEIN, Niklas - PETERMANN, Nils - STROPPA, Daniel G. - KOZA, Michael Marek - WIGGERS, Hartmut - KLOBES, Benedikt - SCHIERNING, Gabi - HERMANN, Raphael P. Lattice dynamics and thermoelectric properties of nanocrystalline silicon-germanium alloys. In *PHYSICA STATUS SOLIDI A-APPLICATIONS AND MATERIALS SCIENCE*. ISSN 1862-6300, 2016, vol. 213, no. 3, pp. 515-523., Registrované v: WOS
2. [1.1] GRUNER, M. E. - KEUNE, W. - CUENYA, B. Roldan - WEIS, C. - LANDERS, J. - MAKAROV, S. I. - KLAR, D. - HU, M. Y. - ALP, E. E. - ZHAO, J. - KRAUTZ, M. - GUTFLEISCH, O. - WENDE, H. Element-Resolved Thermodynamics of Magnetocaloric LaFe_{13-x}Si_x. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2015, vol. 114, no. 5, 057202., Registrované v: WOS
3. [1.1] HINTZE, Cornelia E. - FUCHS, Dirk - MERZ, Michael -

AMARI, Houari - KUBEL, Christian - HUANG, Meng-Jie - POWELL, Annie - V LOHNEYSEN, Hilbert. Size-induced changes of structural and ferromagnetic properties in $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$ nanoparticles. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2017, vol. 121, no. 21, 214303., Registrované v: WOS

4. [1.1] HOLOMB, Roman - TKAC, Vladimir - MITSU, Vladimir - FEHER, Alexander - VERES, Miklos. Structural Nature of Boson Peak and Low-Temperature Heat Excess in As_2S_3 Glass. In PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS. ISSN 0370-1972, 2020, vol. 257, no. 11, 1900525., Registrované v: WOS

5. [1.1] HOUBEN, Kelly - COUET, Sebastien - TREKELS, Maarten - MENENDEZ, Enric - PEISSKER, Tobias - SEO, Jin Won - HU, Michael Y. - ZHAO, Jiyong Y. - ALP, Esen E. - ROELANTS, Sam - PARTOENS, Bart - MILOSEVIC, Milorad V. - PEETERS, Francois M. - BESSAS, Dimitrios - BROWN, Simon A. - VANTOMME, Andre - TEMST, Kristiaan - VAN BAEL, Margriet J. Lattice dynamics in Sn nanoislands and cluster-assembled films. In PHYSICAL REVIEW B. ISSN 2469-9950, 2017, vol. 95, no. 15, 155413., Registrované v: WOS

6. [1.1] KLOBES, Benedikt - HU, Michael Y. - BEEKMAN, Matt - JOHNSON, David C. - HERMANN, Raphael P. Confined lattice dynamics of single and quadruple SnSe bilayers in $[(\text{SnSe})(1.04)](m)[\text{MoSe}_2](n)$ ferecrystals. In NANOSCALE. ISSN 2040-3364, 2016, vol. 8, no. 2, pp. 856-861., Registrované v: WOS

7. [1.1] LI, Z. H. - HUDRY, D. - HEID, R. - SAID, A. H. - LE, M. D. - POPESCU, R. - GERTHSEN, D. - MERZ, M. - KRAMER, K. W. - BUSKO, D. - HOWARD, I. A. - RICHARDS, B. S. - WEBER, F. Phonon density of states in lanthanide-based nanocrystals. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 102, no. 16, 1655409., Registrované v: WOS

8. [1.1] LOHAUS, Stefan H. - JOHNSON, Michel B. - AHNN, Peter F. - SAUNDERS, Claire N. - MITH, Hillary L. S. - WHITE, Mary Anne - FULTZ, Brent. Thermodynamic stability and contributions to the Gibbs free energy of nanocrystalline Ni_3Fe . In PHYSICAL REVIEW MATERIALS. ISSN 2475-9953, 2020, vol. 4, no. 8, 086002., Registrované v: WOS

9. [1.1] SHIRYAEV, Andrey A. - POLYAKOV, Veniamin B. - ROLS, Stephane - RIVERA, Antonio - SHENDEROVA, Olga. Inelastic neutron scattering: a novel approach towards determination of equilibrium isotopic fractionation factors. Size effects on heat capacity and beta-factor of diamond. In PHYSICAL CHEMISTRY CHEMICAL PHYSICS. ISSN 1463-9076, 2020, vol. 22, no. 23, pp. 13261-13270., Registrované v: WOS

10. [1.1] SHI, Chenyang - BEECHER, Alexander N. - LI, Yan - OWEN, Jonathan S. - LEU, Bogdan M. - SAID, Ayman H. - HU, Michael Y. - BILLINGE, Simon J. L. Size-Dependent Lattice Dynamics of Atomically Precise Cadmium Selenide Quantum Dots. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 122, no. 2, 026101., Registrované v: WOS

ADCA1103 STANKOV, S. - MIGLIERINI, M. - CHUMAKOV, A.I. - SERGUEEV, I. - YUE, Y.Z. - SEPIOL, B. - ŠVEC, Peter - HU, L. - RUFFER, R. Vibrational thermodynamics of $\text{Fe}_{90}\text{Zr}_7\text{B}_3$ nanocrystalline alloy from nuclear inelastic scattering. In *Physical Review B*, 2010, vol. 82, no. 14, 144301. (2009: 3.475 - IF, 3.107 - SJR, Q1 - SJR, Current Contents - CCC). (2010 - Current

Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na:
<https://doi.org/10.1103/PhysRevB.82.144301>

Ohlasy:

1. [1.1] DAMART, T. - GIORDANO, V. M. - TANGUY, A.
Nanocrystalline inclusions as a low-pass filter for thermal transport in a-Si. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 92, no. 9, 094201., Registrované v: WOS
2. [1.1] EGGERT, Benedikt - GRUNER, Markus E. - OLLEFS, Katharina - SCHUSTER, Ellen - ROTHENBACH, Nico - HU, Michael Y. - ZHAO, Jiyong - TOELLNER, Thomas S. - STURHAHN, Wolfgang - PENTCHEVA, Rossitza - ROLDAN CUENYA, Beatriz - ALP, Esen E. - WENDE, Heiko - KEUNE, Werner. Interface-related magnetic and vibrational properties in Fe/MgO heterostructures from nuclear resonant spectroscopy and first-principles calculations. In PHYSICAL REVIEW MATERIALS. ISSN 2475-9953, 2020, vol. 4, no. 4, 044402., Registrované v: WOS
3. [1.1] KEUNE, W. - HONG, Sampyo - HU, M. Y. - ZHAO, J. - TOELLNER, T. S. - ALP, E. E. - STURHAHN, W. - RAHMAN, T. S. - ROLDAN CUENYA, B. Influence of interfaces on the phonon density of states of nanoscale metallic multilayers: Phonon confinement and localization. In PHYSICAL REVIEW B. ISSN 2469-9950, 2018, vol. 98, no. 2, 024308., Registrované v: WOS
4. [1.1] KLOBES, Benedikt - HU, Michael Y. - BEEKMAN, Matt - JOHNSON, David C. - HERMANN, Raphael P. Confined lattice dynamics of single and quadruple SnSe bilayers in [(SnSe)(1.04)](m)[MoSe2](n) ferecrystals. In NANOSCALE. ISSN 2040-3364, 2016, vol. 8, no. 2, pp. 856-861., Registrované v: WOS
5. [1.1] LANDERS, J. - SALAMON, S. - KEUNE, W. - GRUNER, M. E. - KRAUTZ, M. - ZHAO, J. - HU, M. Y. - TOELLNER, T. S. - ALP, E. E. - GUTFLEISCH, O. - WENDE, H. Determining the vibrational entropy change in the giant magnetocaloric material LaFe11.6Si1.4 by nuclear resonant inelastic x-ray scattering. In PHYSICAL REVIEW B. ISSN 2469-9950, 2018, vol. 98, no. 2, 024417., Registrované v: WOS
6. [1.1] LOHAUS, Stefan H. - JOHNSON, Michel B. - AHNN, Peter F. - SAUNDERS, Claire N. - MITH, Hillary L. S. - WHITE, Mary Anne - FULTZ, Brent. Thermodynamic stability and contributions to the Gibbs free energy of nanocrystalline Ni3Fe. In PHYSICAL REVIEW MATERIALS. ISSN 2475-9953, 2020, vol. 4, no. 8, 086002., Registrované v: WOS

ADCA1104 STANKOVIĆ, Nenad K. - BODIK, Michal - ŠIFFALOVIČ, Peter - KOTLAR, Mario - MIČUŠÍK, Matej - ŠPITÁLSKY, Zdenko - DANKO, Martin - MILIVOJEVIĆ, Dušan D. - KLEINOVÁ, Angela - KUBAT, Pavel - CAPAKOVA, Zdenka - HUMPOLIČEK, Petr - LEHOCKY, Marian - TODOROVIĆ MARKOVIĆ, Biljana M. - MARKOVIĆ, Zoran M.**. Antibacterial and antibiofouling properties of light triggered fluorescent hydrophobic carbon quantum dots langmuir-blodgett thin films. In *ACS Sustainable Chemistry & Engineering*, 2018, vol. 6, no. 3, p. 4154-4163. (2017: 6.140 - IF, Q1 - JCR, 1.657 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 2168-0485. Dostupné na: <https://doi.org/10.1021/acssuschemeng.7b04566>

Ohlasy:

1. [1.1] ABU RABE, D.I. - AL AWAK, M.M. - YANG, F. - OKONJO,

- P.A. - DONG, X.L. - TEISL, L.R. - WANG, P. - TANG, Y.A. - PAN, N.Y. - SUN, Y.P. - YANG, L.J. The dominant role of surface functionalization in carbon dots' photo-activated antibacterial activity. In INTERNATIONAL JOURNAL OF NANOMEDICINE. ISSN 1178-2013, 2019, vol. 14, p. 2655-2665., Registrované v: WOS
2. [1.1] AHMED, Hanan B. - EMAM, Hossam E. Environmentally exploitable biocide/fluorescent metal marker carbon quantum dots. In RSC ADVANCES, 2020, vol. 10, no. 70, pp. 42916-42929., Registrované v: WOS
3. [1.1] ANAND, A. - MANAVALAN, G. - MANDAL, R.P. - CHANG, H.T. - CHIOU, Y.R. - HUANG, C.C. Carbon Dots for Bacterial Detection and Antibacterial Applications-A Minireview. In CURRENT PHARMACEUTICAL DESIGN. ISSN 1381-6128, 2019, vol. 25, no. 46, p. 4848-4860., Registrované v: WOS
4. [1.1] ANAND, A. - UNNIKRISHNAN, B. - WEI, S.C. - CHOU, C.P. - ZHANG, L.Z. - HUANG, C.C. Graphene oxide and carbon dots as broad-spectrum antimicrobial agents - a minireview. In NANOSCALE HORIZONS. ISSN 2055-6756, JAN 1 2019, vol. 4, no. 1, p. 117-137., Registrované v: WOS
5. [1.1] JELINKOVA, P. - MAZUMDAR, A. - SUR, V.P. - KOCIOVA, S. - DOLEZELIKOVA, K. - JIMENEZ, A.M.J. - KOUDELKOVA, Z. - MISHRA, P.K. - SMERKOVA, K. - HEGER, Z. - VACULOVICOVA, M. - MOULICK, A. - ADAM, V. Nanoparticle-drug conjugates treating bacterial infections. In JOURNAL OF CONTROLLED RELEASE. ISSN 0168-3659, AUG 10 2019, vol. 307, p. 166-185., Registrované v: WOS
6. [1.1] JIAN, Hong-Jyuan - YU, Jiantao - LI, Yu-Jia - UNNIKRISHNAN, Binesh - HUANG, Yu-Fen - LUO, Li-Jyuan - MA, David Hui-Kang - HARROUN, Scott G. - CHANG, Huan-Tsung - LIN, Han-Jia - LAI, Jui-Yang - HUANG, Chih-Ching. Highly adhesive carbon quantum dots from biogenic amines for prevention of biofilm formation. In CHEMICAL ENGINEERING JOURNAL. ISSN 1385-8947, 2020, vol. 386, 123913., Registrované v: WOS
7. [1.1] JIA, Q.Y. - SONG, Q. - LI, P. - HUANG, W. Rejuvenated Photodynamic Therapy for Bacterial Infections. In ADVANCED HEALTHCARE MATERIALS. ISSN 2192-2640, JUL 2019, vol. 8, no. 14., Registrované v: WOS
8. [1.1] KNOBLAUCH, Rachael - GEDDES, Chris D. Carbon Nanodots in Photodynamic Antimicrobial Therapy: A Review. In MATERIALS, 2020, vol. 13, no. 18, 4004., Registrované v: WOS
9. [1.1] LIN, F.M. - BAO, Y.W. - WU, F.G. Carbon Dots for Sensing and Killing Microorganisms. In C-JOURNAL OF CARBON RESEARCH. JUN 2019, vol. 5, no. 2., Registrované v: WOS
10. [1.1] LIU, J.L. - SHAO, J.Z. - WANG, Y.H. - LI, J.Q. - LIU, H. - WANG, A.Q. - HUI, A.P. - CHEN, S.W. Antimicrobial Activity of Zinc Oxide-Graphene Quantum Dot Nanocomposites: Enhanced Adsorption on Bacterial Cells by Cationic Capping Polymers. In ACS SUSTAINABLE CHEMISTRY & ENGINEERING. ISSN 2168-0485, OCT 7 2019, vol. 7, no. 19, p. 16264-16273., Registrované v: WOS
11. [1.1] LI, Chunmei - ZHANG, Jinyi - JIANG, Hui - WANG, Xuemei - LIU, Juewen. Orthogonal Adsorption of Carbon Dots and DNA on Nanoceria. In LANGMUIR. ISSN 0743-7463, 2020, vol. 36, no. 9, pp. 2474-2481.,

Registrované v: WOS

12. [1.1] LOPEZ-DIAZ, David - SOLANA, Andres - LUIS GARCIA-FIERRO, Jose - DOLORES MERCHAN, M. - MERCEDES VELAZQUEZ, M. The role of the chemical composition on the photoluminescence properties of N-doped carbon nanoparticles. In JOURNAL OF LUMINESCENCE. ISSN 0022-2313, 2020, vol. 219, 116954., Registrované v: WOS
13. [1.1] SUN, Yanan - ZHANG, Min - BHANDARI, Bhesh - YANG, Chaohui. Recent Development of Carbon Quantum Dots: Biological Toxicity, Antibacterial Properties and Application in Foods. In FOOD REVIEWS INTERNATIONAL. ISSN 8755-9129, 2020, vol., no., pp., Registrované v: WOS
14. [1.1] WANG, L. - YUAN, Z.W. - KARAHAN, H.E. - WANG, Y.L. - SUI, X. - LIU, F. - CHEN, Y. Nanocarbon materials in water disinfection: state-of-the-art and future directions. In NANOSCALE. ISSN 2040-3364, MAY 28 2019, vol. 11, no. 20, p. 9819-9839., Registrované v: WOS
15. [1.1] ZHAO, Dan - ZHANG, Zhixia - LI, CaiMao - XIAO, Xincal - LI, Jun - LIU, Xuemei - CHENG, Han. Yellow-Emitting Hydrophobic Carbon Dots via Solid-Phase Synthesis and Their Applications. In ACS OMEGA. ISSN 2470-1343, 2020, vol. 5, no. 35, pp. 22587-22595., Registrované v: WOS

ADCA1105 STAÑO, Peter - REITZNER, Daniel - HEINOSAARI, T. Coexistence of qubit effects. In *Physical Review A*, 2008, vol. 78, no. 1, 012315. (2007: 2.893 - IF, Q1 - JCR, 2.524 - SJR, Q1 - SJR, Current Contents - CCC). (2008 - Current Contents). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.78.012315>

Ohlasy:

1. [1.1] BULLOCK, T. - BUSCH, P. Measurement uncertainty relations: characterising optimal error bounds for qubits. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2018, vol. 51, no. 28, 283001., Registrované v: WOS
2. [1.1] CARMELI, Claudio - HEINOSAARI, Teiko - TOIGO, Alessandro. Quantum random access codes and incompatibility of measurements. In EPL. ISSN 0295-5075, 2020, vol. 130, no. 5, 50001., Registrované v: WOS
3. [1.1] DAS, Debarshi - GAYEN, Arindam - DAS, Ranit - MAL, Shiladitya. Quantum violation of macrorealism under multi-outcome two-parameter generalised measurements. In QUANTUM STUDIES-MATHEMATICS AND FOUNDATIONS. ISSN 2196-5609, 2020, vol. 7, no. 1, pp. 49-63., Registrované v: WOS
4. [1.1] DAS, Debarshi - MAL, Shiladitya - HOME, Dipankar. Testing local-realism and macro-realism under generalized dichotomic measurements. In PHYSICS LETTERS A. ISSN 0375-9601, 2018, vol. 382, no. 16, pp. 1085-1091., Registrované v: WOS
5. [1.1] GEHER, Gyorgy Pal - SEMRL, Peter. Coexistence on Hilbert Space Effect Algebras and a Characterisation of Its Symmetry Transformations. In COMMUNICATIONS IN MATHEMATICAL PHYSICS. ISSN 0010-3616, 2020, vol. 379, no. 3, pp. 1077-1112., Registrované v: WOS
6. [1.1] HOFMANN, Holger F. Local measurement uncertainties impose a limit on nonlocal quantum correlations. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 1, 012123., Registrované v: WOS
7. [1.1] CHEN, Zhihua - YE, Xiangjun - FEI, Shao-Ming. Quantum

- steerability based on joint measurability. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2017, vol. 7, 15822., Registrované v: WOS
8. [1.1] JAE, Jeongwoo - BAEK, Kyunghyun - RYU, Junghee - LEE, Jinhyoung. Necessary and sufficient condition for joint measurability. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 3, 032113., Registrované v: WOS
9. [1.1] KIUKAS, Jukka - BURGARTH, Daniel. Quantum resource control for noisy Einstein-Podolsky-Rosen steering with qubit measurements. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 93, no. 3, 032107., Registrované v: WOS
10. [1.1] KOBAYASHI, Masatomo. Coexistence on reflecting hyperplane in generalized probability theories. In JOURNAL OF MATHEMATICAL PHYSICS. ISSN 0022-2488, 2017, vol. 58, no. 8, 082203., Registrované v: WOS
11. [1.1] KUMARI, Swati - PAN, A. K. Probing various formulations of macrorealism for unsharp quantum measurements. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 96, no. 4, 042107., Registrované v: WOS
12. [1.1] QUAN, Quan - ZHU, Huangjun - LIU, Si-Yuan - FEI, Shao-Ming - FAN, Heng - YANG, Wen-Li. Steering Bell-diagonal states. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2016, vol. 6, 22025., Registrované v: WOS
13. [1.1] QUAN, Quan - ZHU, Huangjun - FAN, Heng - YANG, Wen-Li. Einstein-Podolsky-Rosen correlations and Bell correlations in the simplest scenario. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 95, no. 6, 062111., Registrované v: WOS
14. [1.1] UOLA, Roope - COSTA, Ana C. S. - CHAU NGUYEN, H. - GUEHNE, Otfried. Quantum steering. In REVIEWS OF MODERN PHYSICS. ISSN 0034-6861, 2020, vol. 92, no. 1, 015001., Registrované v: WOS
15. [1.1] ZHAO, Yuan-Yuan - KURZYNSKI, Pawel - XIANG, Guo-Yong - LI, Chuan-Feng - GUO, Guang-Can. Heisenberg's error-disturbance relations: A joint measurement-based experimental test. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 95, no. 4, 040101., Registrované v: WOS
16. [1.1] ZHU, Huangjun. Information complementarity: A new paradigm for decoding quantum incompatibility. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2015, vol. 5, 14317., Registrované v: WOS

ADCA1106 STAÑO, Peter - FABIAN, J. Control of electron spin and orbital resonances in quantum dots through spin-orbit interactions. In *Physical Review B*, 2010, vol. 82, no. 12, 125309. (2009: 3.475 - IF, 3.107 - SJR, Q1 - SJR, Current Contents - CCC). (2010 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.77.045310>

Ohlasy:

1. [1.1] BUDAGOSKY MARCILLA, Jorge A. - CASTRO, Alberto. Ultrafast single electron spin manipulation in 2D semiconductor quantum dots with optimally controlled time-dependent electric fields through spin-orbit coupling. In EUROPEAN PHYSICAL JOURNAL B. ISSN 1434-6028, 2015, vol. 88, no. 1, JAN 12., Registrované v: WOS

ADCA1107 STAÑO, Peter - FABIAN, Jaroslav. Control of electron spin and orbital resonances in quantum dots through spin-orbit interactions. In *Physical Review B*, 2008, vol. 77, no. 4, 045310. (2007: 3.172 - IF, Q1 - JCR, 2.892 - SJR, Q1 - SJR,

Current Contents - CCC). (2008 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.77.045310>

Ohlasy:

1. [1.1] LIU, Zhi-Hai - LI, Rui. Spin-relaxation anisotropy in a nanowire quantum dot with strong spin-orbit coupling. In AIP ADVANCES. ISSN 2158-3226, 2018, vol. 8, no. 7, 075115., Registrované v: WOS
2. [1.1] LIU, Zhi-Hai - LI, Rui - HU, Xuedong - YOU, J. Q. Spin-orbit coupling and electric-dipole spin resonance in a nanowire double quantum dot. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2018, vol. 8, 2302., Registrované v: WOS
3. [1.1] VENITUCCI, Benjamin - NIQUET, Yann-Michel. Simple model for electrical hole spin manipulation in semiconductor quantum dots: Impact of dot material and orientation. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 99, no. 11, 115317., Registrované v: WOS

ADCA1108 STAÑO, Peter - AONO, Tomosuke - KAWAMURA, Minoru.

Dipolelike dynamical nuclear spin polarization around a quantum point contact. In *Physical Review B*, 2018, vol. 97, no. 7, art. no. 075440. (2017: 3.813 - IF, Q2 - JCR, 1.176 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.97.075440>

Ohlasy:

1. [1.1] AONO, T. - TAKAHASHI, M. - FAUZI, M. H. - HIRAYAMA, Y. Quantum point contact potential curvature under correlated disorder potentials. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 102, no. 4, 045305., Registrované v: WOS

ADCA1109 STAÑO, Peter - KLINOVAJA, J. - BRAAKMAN, F.R. -

VANDERSYPEN, L.M.K. - LOSS, D. Fast long-distance control of spin qubits by photon-assisted cotunneling. In *Physical Review B*, 2015, vol. 92, no. 7, 075302. (2014: 3.736 - IF, Q1 - JCR, 0.123 - SJR, Q4 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.92.075302>

Ohlasy:

1. [1.1] BAN, Yue - CHEN, Xi - PLATERO, Gloria. Fast long-range charge transfer in quantum dot arrays. In NANOTECHNOLOGY. ISSN 0957-4484, 2018, vol. 29, no. 50, 505201., Registrované v: WOS
2. [1.1] CONTRERAS-PULIDO, L. D. - BRUDERER, M. Coherent and incoherent charge transport in linear triple quantum dots. In JOURNAL OF PHYSICS-CONDENSED MATTER. ISSN 0953-8984, 2017, vol. 29, no. 18, 185301., Registrované v: WOS
3. [1.1] CROOT, X. G. - PAUKA, S. J. - WATSON, J. D. - GARDNER, G. C. - FALLAHI, S. - MANFRA, M. J. - REILLY, D. J. Device Architecture for Coupling Spin Qubits via an Intermediate Quantum State. In PHYSICAL REVIEW APPLIED. ISSN 2331-7019, 2018, vol. 10, no. 4, 044058., Registrované v: WOS
4. [1.1] ELMAN, Samuel J. - BARTLETT, Stephen D. - DOHERTY, Andrew C. Long-range entanglement for spin qubits via quantum Hall edge modes. In PHYSICAL REVIEW B. ISSN 2469-9950, 2017, vol. 96, no. 11, 115407., Registrované v: WOS

5. [1.1] GALLEGO-MARCOS, Fernando - SANCHEZ, Rafael - PLATERO, Gloria. Coupled Landau-Zener-Stuckelberg quantum dot interferometers. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2016, vol. 93, no. 7, 075424., Registrované v: WOS
6. [1.1] GALLEGO-MARCOS, F. - PLATERO, G. Coherent long-range thermoelectrics in nonadiabatic driven quantum systems. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2017, vol. 95, no. 7, 075301., Registrované v: WOS
7. [1.1] MALDONADO, I - VILLAVICENCIO, J. - CONTRERAS-PULIDO, L. D. - COTA, E. - MAYTORENA, J. A. Dephasing effects on ac-driven triple quantum dot systems. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2018, vol. 97, no. 19, 195310., Registrované v: WOS
8. [1.1] PICO-CORTES, Jordi - GALLEGO-MARCOS, Fernando - PLATERO, Gloria. Direct transfer of two-electron quantum states in ac-driven triple quantum dots. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2019, vol. 99, no. 15, 155421., Registrované v: WOS
9. [1.1] REINA GALVEZ, J. - WOLF, C. - DELGADO, F. - LORENTE, N. Cotunneling mechanism for all-electrical electron spin resonance of single adsorbed atoms. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2019, vol. 100, no. 3, 035411., Registrované v: WOS
10. [1.1] RUSS, Maximilian - BURKARD, Guido. Three-electron spin qubits. In *JOURNAL OF PHYSICS-CONDENSED MATTER*. ISSN 0953-8984, 2017, vol. 29, no. 39, 393001., Registrované v: WOS
11. [1.1] WANG, Bao-Chuan - CAO, Gang - CHEN, Bao-Bao - YU, Guo-Dong - LI, Hai-Ou - XIAO, Ming - GUO, Guo-Ping. Photon-assisted tunneling in an asymmetrically coupled triple quantum dot. In *JOURNAL OF APPLIED PHYSICS*. ISSN 0021-8979, 2016, vol. 120, no. 6, 064302., Registrované v: WOS

ADCA1110 STAÑO, Peter - HSU, Chen-Hsuan - SERINA, Marcel - CAMENZIND, Leon C. - ZUMBÜHL, Dominik M - LOSS, Daniel. g-factor of electrons in gate-defined quantum dots in a strong in-plane magnetic field. In *Physical Review B*, 2018, vol. 98, no. 19, 195314. (2017: 3.813 - IF, Q2 - JCR, 1.176 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.98.195314>

Ohlasy:

1. [1.1] GINZEL, Florian - MILLS, Adam R. - PETTA, Jason R. - BURKARD, Guido. Spin shuttling in a silicon double quantum dot. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2020, vol. 102, no. 19, 195418., Registrované v: WOS
2. [1.1] MILADIC, Suzana - STIPSIC, Pavle - DOBARDZIC, Edib - MILIVOJEVIC, Marko. Electrical control of a spin qubit in InSb nanowire quantum dots: Strongly suppressed spin relaxation in high magnetic field. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2020, vol. 101, no. 15, 155307., Registrované v: WOS

ADCA1111 STAÑO, Peter - KLINOVAJA, J. - YACOBY, A. - LOSS, D. Local spin susceptibilities of low-dimensional electron systems. In *Physical Review B*, 2013, vol. 88, no. 4, 045441. (2012: 3.767 - IF, Q1 - JCR, 1.779 - SJR, Q1 - SJR,

Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.88.045441>

Ohlasy:

1. [1.1] CASOLA, Francesco - VAN DER SAR, Toeno - YACOBY, Amir. Probing condensed matter physics with magnetometry based on nitrogen-vacancy centres in diamond. In NATURE REVIEWS MATERIALS. ISSN 2058-8437, 2018, vol. 3, no. 1, 17088., Registrované v: WOS
2. [1.1] DORA, Balazs - SIMON, Ferenc. Unusual spin dynamics in topological insulators. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2015, vol. 5, 14844., Registrované v: WOS
3. [1.1] HOSSEINI, Mir Vahid - KARIMI, Zahra - DAVOODI, Jamal. Indirect exchange interaction between magnetic impurities in one-dimensional gapped helical states. In JOURNAL OF PHYSICS-CONDENSED MATTER. ISSN 0953-8984, 2020, vol. 33, no. 8, 085801., Registrované v: WOS
4. [1.1] ISLAM, S. K. Firoz - DUTTA, Paramita - JAYANNAVAR, A. M. - SAHA, Arijit. Probing decoupled edge states in a zigzag phosphorene nanoribbon via RKKY exchange interaction. In PHYSICAL REVIEW B. ISSN 2469-9950, 2018, vol. 97, no. 23, 235424., Registrované v: WOS
5. [1.1] KOGAN, Eugene. RKKY Interaction in Graphene at Finite Temperature. In C-JOURNAL OF CARBON RESEARCH, 2019, vol. 5, no. 2, UNSP 14., Registrované v: WOS
6. [1.1] LEE, Yu-Wen - LEE, Yu-Li. Electrical control and interaction effects of the RKKY interaction in helical liquids. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 91, no. 21, 214431., Registrované v: WOS
7. [1.1] SHARAFUTDINOV, A. U. - BURMISTROV, I. S. Tunneling density of states in quantum dots with anisotropic exchange. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 92, no. 3, 035439., Registrované v: WOS
8. [1.1] SHIRANZAEI, Mahroo - CHERAGHCHI, Hosein - PARHIZGAR, Fariborz. Effect of the Rashba splitting on the RKKY interaction in topological-insulator thin films. In PHYSICAL REVIEW B. ISSN 2469-9950, 2017, vol. 96, no. 2, 024413., Registrované v: WOS
9. [1.1] SCHIMMEL, D. H. - TSVELIK, A. M. - YEVTUSHENKO, O. M. Low energy properties of the Kondo chain in the RKKY regime. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2016, vol. 18, 053004., Registrované v: WOS
10. [1.1] VERMA, Sonu - KUNDU, Arijit. Nonlocal control of spin-spin correlations in a finite-geometry helical edge. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 99, no. 12, 121409., Registrované v: WOS
11. [1.1] WU, Chen-Huan. Dynamical current-current correlation in two-dimensional parabolic Dirac systems. In PHYSICS LETTERS A. ISSN 0375-9601, 2019, vol. 383, no. 6, pp. 550-557., Registrované v: WOS
12. [1.1] WU, Chen-Huan. Electronic properties of the parabolic Dirac system. In PHYSICS LETTERS A. ISSN 0375-9601, 2019, vol. 383, no. 15, pp. 1795-1805., Registrované v: WOS

ADCA1112 STAÑO, Peter - LOSS, D. NMR response of nuclear-spin helix in quantum wires with hyperfine and spin-orbit interaction. In *Physical Review B*, 2014, vol. 90, no. 19, 195312. (2013: 3.664 - IF, Q1 - JCR, 2.804 - SJR, Q3 - SJR,

Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.90.195312>

Ohlasy:

1. [1.1] RUSSO, Antonio - BARNES, Edwin - ECONOMOU, Sophia E. Dynamic nuclear polarization from topological insulator helical edge states. In PHYSICAL REVIEW B. ISSN 2469-9950, 2018, vol. 98, no. 23, 235412., Registrované v: WOS

ADCA1113 STAÑO, Peter - FABIAN, J. - JACQUOD, P. Nonlinear spin to charge conversion in mesoscopic structures. In *Physical Review B*, 2012, vol. 85, no. 24, 241301. (2011: 3.691 - IF, Q1 - JCR, 3.326 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.85.241301>

Ohlasy:

1. [1.1] AVSAR, A. - OCHOA, H. - GUINEA, F. - OZYILMAZ, B. - VAN WEES, B. J. - VERA-MARUN, I. J. Colloquium: Spintronics in graphene and other two-dimensional materials. In REVIEWS OF MODERN PHYSICS. ISSN 0034-6861, 2020, vol. 92, no. 2, 021003., Registrované v: WOS

ADCA1114 STAÑO, Peter - FABIAN, J. Orbital and spin relaxation in single and coupled quantum dots. In *Physical Review B*, 2006, vol. 74, no. 4, 045320. (2005: 3.185 - IF, Q1 - JCR, 2.126 - SJR, Q1 - SJR, Current Contents - CCC). (2006 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.74.045320>

Ohlasy:

1. [1.1] KURPAS, Marcin - KEDZIERSKA, Barbara - JANUS-ZYGMUNT, Iwona - GORCZYCA-GORAJ, Anna - WACH, Elzbieta - ZIPPER, Elzbieta - MASKA, Maciej M. Charge transport through a semiconductor quantum dot-ring nanostructure. In JOURNAL OF PHYSICS-CONDENSED MATTER. ISSN 0953-8984, 2015, vol. 27, no. 26, 265801., Registrované v: WOS
2. [1.1] PRABHAKAR, S. - MELNIK, R. - BONILLA, L. L. Spin Control in Quantum Dots for Quantum Information Processing. In NANOTECHNOLOGY IN THE SECURITY SYSTEMS. ISSN 1871-4668, 2015, vol., no., pp. 3., Registrované v: WOS
3. [1.1] SEGARRA, C. - PLANELLERES, J. - CLIMENTE, J. I. - RAJADELL, F. Anisotropy of spin-orbit induced electron spin relaxation in [001] and [111] grown GaAs quantum dots. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2015, vol. 17, 033014., Registrované v: WOS

ADCA1115 STAÑO, Peter* - HSU, Chen-Hsuan* - CAMENZIND, Leon C.* - YU, Liuqi* - ZUMBUHL, Dominik* - LOSS, Daniel*. Orbital effects of a strong in-plane magnetic field on a gate-defined quantum dot. In *Physical Review B*, 2019, vol. 99, no. 8, 085308. (2018: 3.736 - IF, Q1 - JCR, 1.502 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.99.085308>

Ohlasy:

1. [1.1] MARKOULAKIS, Emmanouil - KONSTANTARAS, Antonios - CHATZAKIS, John - IYER, Rajan - ANTONIDAKIS, Emmanuel. Real time observation of a stationary magneton. In RESULTS IN PHYSICS. ISSN

2211-3797, 2019, vol. 15, 102793., Registrované v: WOS

2. [1.1] NASERI, Amin - PENG, Shenglin - LUO, Wenchen - SIRKER, Jesko. Spin vortices and skyrmions of a single electron in inhomogeneous magnetic fields. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2020, vol. 101, no. 11, 115407., Registrované v: WOS

ADCA1116 STAÑO, Peter - JACQUOD, Ph. Spin-dependent tunneling into an empty lateral quantum dot. In *Physical Review B*, 2010, vol. 82, no. 12, 125309. (2009: 3.475 - IF, 3.107 - SJR, Q1 - SJR, Current Contents - CCC). (2010 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.82.125309>

Ohlasy:

1. [1.1] CAMENZIND, Leon C. - YU, Liuqi - STANO, Peter - ZIMMERMAN, Jeremy D. - GOSSARD, Arthur C. - LOSS, Daniel - ZUMBUHL, Dominik M. Spectroscopy of Quantum Dot Orbitals with In-Plane Magnetic Fields. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2019, vol. 122, no. 20, 207701., Registrované v: WOS

2. [1.1] FUJISAWA, Toshimasa. Counting Statistics of Single-Electron Transport. In *PRINCIPLES AND METHODS OF QUANTUM INFORMATION TECHNOLOGIES*. ISSN 0075-8450, 2016, vol. 911, no., pp. 151-171., Registrované v: WOS

3. [1.1] LUO, JunYan - YAN, Yiying - HUANG, Yixiao - YU, Li - HE, Xiao-Ling - JIAO, HuJun. Non-Markovian spin-resolved counting statistics and an anomalous relation between autocorrelations and cross correlations in a three-terminal quantum dot. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2017, vol. 95, no. 3, 035154., Registrované v: WOS

4. [1.1] OTSUKA, Tomohiro - NAKAJIMA, Takashi - DELBECQ, Matthieu R. - STANO, Peter - AMAHA, Shinichi - YONEDA, Jun - TAKEDA, Kenta - ALLISON, Giles - LI, Sen - NOIRI, Akito - ITO, Takumi - LOSS, Daniel - LUDWIG, Arne - WIECK, Andreas D. - TARUCHA, Seigo. Difference in charge and spin dynamics in a quantum dot-lead coupled system. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2019, vol. 99, no. 8, 085402., Registrované v: WOS

5. [1.1] PETROSYAN, L. S. - SHAHBAZYAN, T. V. Spin-dependent coherent transport in a double quantum dot system. In *PHYSICAL REVIEW B*. ISSN 1098-0121, 2015, vol. 92, no. 11, 115423., Registrované v: WOS

ADCA1117 STAÑO, Peter - FABIAN, J. Spin-orbit effects in single-electron states in coupled quantum dots. In *Physical Review B*, 2005, vol. 72, no. 15, 155410. (2004: 3.075 - IF, Current Contents - CCC). (2005 - Current Contents). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.72.155410>

Ohlasy:

1. [1.1] BUDAGOSKY MARCILLA, Jorge A. - CASTRO, Alberto. Ultrafast single electron spin manipulation in 2D semiconductor quantum dots with optimally controlled time-dependent electric fields through spin-orbit coupling. In *EUROPEAN PHYSICAL JOURNAL B*. ISSN 1434-6028, 2015, vol. 88, no. 1, 122015., Registrované v: WOS

ADCA1118 STAÑO, Peter - JACQUOD, P. Spin-to-charge conversion of mesoscopic spin currents. In *Physical Review Letters*, 2011, vol. 106, no. 20,

206602. (2010: 7.622 - IF, Q1 - JCR, 6.450 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.106.206602>

Ohlasy:

1. [1.1] GOOTH, Johannes - BORG, Mattias - SCHMID, Heinz - SCHALLER, Vanessa - WIRTHS, Stephan - MOSELUND, Kirsten - LUISIER, Mathieu - KARG, Siegfried - RIEL, Heike. Ballistic One-Dimensional InAs Nanowire Cross-Junction Interconnects. In NANO LETTERS. ISSN 1530-6984, 2017, vol. 17, no. 4, pp. 2596-2602., Registrované v: WOS
2. [1.1] GOOTH, J. - SCHALLER, V. - WIRTHS, S. - SCHMID, H. - BORG, M. - BOLOGNA, N. - KARG, S. - RIEL, H. Ballistic one-dimensional transport in InAs nanowires monolithically integrated on silicon. In APPLIED PHYSICS LETTERS. ISSN 0003-6951, 2017, vol. 110, no. 8, 083105., Registrované v: WOS
3. [1.1] HEEDT, Sebastian - VAKULOV, Daniil - RIEGER, Torsten - ROSENBAACH, Daniel - TRELLENKAMP, Stefan - GRUETZMACHER, Detlev - LEPSA, Mihail Ion - SCHAEPPERS, Thomas. Electronic Properties of Complex Self-Assembled InAs Nanowire Networks. In ADVANCED ELECTRONIC MATERIALS. ISSN 2199-160X, 2016, vol. 2, no. 6, 1500460., Registrované v: WOS
4. [1.1] MATSUO, Sadashige - KUROYAMA, Kazuyuki - YABUNAKA, Shunsuke - VALENTIN, Sascha R. - LUDWIG, Arne - WIECK, Andreas D. - TARUCHA, Seigo. Full counting statistics of spin-flip and spin-conserving charge transitions in Pauli-spin blockade. In PHYSICAL REVIEW RESEARCH, 2020, vol. 2, no. 3, 033120., Registrované v: WOS
5. [1.1] MOOR, Andreas - VOLKOV, Anatoly F. - EFETOV, Konstantin B. Spin current in junctions composed of multi-band superconductors with a spin-density wave. In SUPERCONDUCTOR SCIENCE & TECHNOLOGY. ISSN 0953-2048, 2015, vol. 28, no. 2, 025011., Registrované v: WOS
6. [1.1] NIAN, Lei-Lei - GE, Xu-Jin - BAI, Long. Nanoscale spintronics switch based on a three-terminal dsDNA molecule junction. In JOURNAL OF PHYSICS D-APPLIED PHYSICS. ISSN 0022-3727, 2019, vol. 52, no. 10, 105301., Registrované v: WOS
7. [1.1] RAMOS, J. G. G. S. - VASCONCELOS, T. C. - BARBOSA, A. L. R. Spin-to-charge conversion in 2D electron gas and single-layer graphene devices. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2018, vol. 123, no. 3, 034304., Registrované v: WOS

ADCA1119 STAÑO, Peter - JACQUOD, Ph. Suppression of interactions in multimode random lasers in the Anderson localized regime. In *Nature Photonics*, 2013, vol. 7, no. 1, p. 66-71. (2012: 27.254 - IF, Q1 - JCR, 13.474 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents). ISSN 1749-4885. Dostupné na: <https://doi.org/10.1038/nphoton.2012.298>

Ohlasy:

1. [1.1] ABAIE, Behnam - MOBINI, Esmail - KARBASI, Salman - HAWKINS, Thomas - BALLATO, John - MAFI, Arash. Random lasing in an Anderson localizing optical fiber. In LIGHT-SCIENCE & APPLICATIONS. ISSN 2047-7538, 2017, vol. 6, e17041., Registrované v: WOS
2. [1.1] ARREGUI, G. - NAVARRO-URRIOS, D. - KEHAGIAS, N. -

- SOTOMAYOR TORRES, C. M. - GARCIA, P. D. All-optical radio-frequency modulation of Anderson-localized modes. In PHYSICAL REVIEW B. ISSN 2469-9950, 2018, vol. 98, no. 18, 180202., Registrované v: WOS
3. [1.1] BERKOVITS, Richard. Low eigenvalues of the entanglement Hamiltonian, localization length, and rare regions in one- dimensional disordered interacting systems. In PHYSICAL REVIEW B. ISSN 2469-9950, 2018, vol. 97, no. 11, 115408., Registrované v: WOS
4. [1.1] BODDETI, Ashwin K. - KUMAR, Randhir - MUJUMDAR, Sushil. Figures-of-merit of Anderson localization cavities in membrane-based periodic-on-average random templates. In OPTICS COMMUNICATIONS. ISSN 0030-4018, 2017, vol. 397, pp. 39-43., Registrované v: WOS
5. [1.1] CANELLA, G. A. - FRANCA, V. V. Superfluid-Insulator Transition unambiguously detected by entanglement in one-dimensional disordered superfluids. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2019, vol. 9, 15313., Registrované v: WOS
6. [1.1] CUI, Libin - SHI, Jinwei - WANG, Yanrong - ZHENG, Ruqiang - CHEN, Xiao - GONG, Wenping - LIU, Dahe. Retrieval of contaminated information using random lasers. In APPLIED PHYSICS LETTERS. ISSN 0003-6951, 2015, vol. 106, no. 20, 201101., Registrované v: WOS
7. [1.1] GARCIA, P. D. - LODAHL, P. Physics of Quantum Light Emitters in Disordered Photonic Nanostructures. In ANNALEN DER PHYSIK. ISSN 0003-3804, 2017, vol. 529, no. 8, 1600351., Registrované v: WOS
8. [1.1] GHULINYAN, Mher - PAVESI, Lorenzo. LIGHT LOCALISATION AND LASING Random and Quasi-Random Photonic Structures Preface. In LIGHT LOCALISATION AND LASING: RANDOM AND QUASI-RANDOM PHOTONIC STRUCTURES, 2015, XI., Registrované v: WOS
9. [1.1] GOKBULUT, Belkis - INCI, Mehmet Naci. Investigation of spontaneous emission dynamics of dye molecules coupled into transverse Anderson localized cavities in a hyperbolic waveguide. In PHOTONICS AND NANOSTRUCTURES-FUNDAMENTALS AND APPLICATIONS. ISSN 1569-4410, 2020, vol. 39, 100769., Registrované v: WOS
10. [1.1] CHOI, Seung Ho - BYUN, Kyung Min - KIM, Young L. Excitation of multiple resonances in 1D Anderson localized systems for efficient light amplification. In OPTICS LETTERS. ISSN 0146-9592, 2015, vol. 40, no. 5, pp. 847., Registrované v: WOS
11. [1.1] CHOI, Seung Ho - BYUN, Kyung Min - KIM, Young L. Lasing Interactions Disclose Hidden Modes of Necklace States in the Anderson Localized Regime. In ACS PHOTONICS. ISSN 2330-4022, 2018, vol. 5, no. 3, pp. 881-889., Registrované v: WOS
12. [1.1] CHOI, Seung Ho - KIM, Seong-Wan - KU, Zahyun - VISBAL-ONUFRAC, Michelle A. - KIM, Seong-Ryul - CHOI, Kwang-Ho - KO, Hakseok - CHOI, Wonshik - URBAS, Augustine M. - GOO, Tae-Won - KIM, Young L. Anderson light localization in biological nanostructures of native silk. In NATURE COMMUNICATIONS. ISSN 2041-1723, 2018, vol. 9, 452., Registrované v: WOS
13. [1.1] CHURKIN, D. V. - KOLOKOLOV, I. V. - PODIVILOV, E. V. - VATNIK, I. D. - NIKULIN, M. A. - VERGELES, S. S. - TEREKHOV, I. S. - LEBEDEV, V. V. - FALKOVICH, G. - BABIN, S. A. - TURITSYN, S. K. Wave kinetics of random fibre lasers. In NATURE COMMUNICATIONS. ISSN

2041-1723, 2015, vol. 6, 6214., Registrované v: WOS

14. [1.1] JIMENEZ-VILLAR, Ernesto - DA SILVA, Iran F. - MESTRE, Valdeci - WETTER, Niklaus U. - LOPEZ, Cefe - DE OLIVEIRA, Paulo C. - FAUSTINO, Wagner M. - DE SA, Gilberto F. Random Lasing at Localization Transition in a Colloidal Suspension (TiO₂@Silica). In ACS OMEGA. ISSN 2470-1343, 2017, vol. 2, no. 6, pp. 2415-2421., Registrované v: WOS

15. [1.1] JIMENEZ-VILLAR, E. - MESTRE, Valdeci - WETTER, N. U. - DE SA, Gilberto F. Core-shell (TiO₂@Silica) nanoparticles for random lasers. In COMPLEX LIGHT AND OPTICAL FORCES XII. ISSN 0277-786X, 2018, vol. 10549, 105490D., Registrované v: WOS

16. [1.1] KUMAR, Randhir - BALASUBRAHMANYAM, M. - ALEE, K. Shadak - MUJUMDAR, Sushil. Temporal complexity in emission from Anderson localized lasers. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 96, no. 6, 063816., Registrované v: WOS

17. [1.1] LAPTYEVA, Tetyana V. - TIKHOMIROV, Andrey A. - KANAKOV, Oleg I. - IVANCHENKO, Mikhail V. Anderson attractors in active arrays. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2015, vol. 5, 13263., Registrované v: WOS

18. [1.1] LAPTYEVA, T. V. - DENISOV, S. V. - OSIPOV, G. V. - IVANCHENKO, M. V. Localization attractors in active quasiperiodic arrays. In JETP LETTERS. ISSN 0021-3640, 2015, vol. 102, no. 9, pp. 603., Registrované v: WOS

19. [1.1] LEE, Myungjae - CALLARD, Segolene - SEASSAL, Christian - JEON, Heonsu. Taming of random lasers. In NATURE PHOTONICS. ISSN 1749-4885, 2019, vol. 13, no. 7, pp. 445-+, Registrované v: WOS

20. [1.1] LEE, Ya-Ju - YEH, Ting-Wei - YANG, Zu-Po - YAO, Yung-Chi - CHANG, Chen-Yu - TSAI, Meng-Tsan - SHEU, Jinn-Kong. A curvature-tunable random laser. In NANOSCALE. ISSN 2040-3364, 2019, vol. 11, no. 8, pp. 3534-3545., Registrované v: WOS

21. [1.1] MALIK, O. - MAKRIS, K. G. - TUERECI, H. E. Spectral method for efficient computation of time-dependent phenomena in complex lasers. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 92, no. 6, 063829., Registrované v: WOS

22. [1.1] NOVITSKY, Denis - REDKA, Dmitrii - SHALIN, Alexander S. Different Regimes of Ultrashort Pulse Propagation in Disordered Layered Media with Resonant Loss and Gain. In ANNALEN DER PHYSIK. ISSN 0003-3804, 2019, vol. 531, no. 9, 1900080., Registrované v: WOS

23. [1.1] ROY, Pradip Kumar - ULAGANATHAN, Rajesh Kumar - RAGHAVAN, Chinnambedu Murugesan - MHATRE, Swapnil Milind - LIN, Hung- - CHEN, Wei-Liang - CHANG, Yu-Ming - ROZHIN, Alex - HSU, Yun-Tzu - CHEN, Yang-Fang - SANKAR, Raman - CHOU, Fang-Cheng - LIANG, Chi-Te. Unprecedented random lasing in 2D organolead halide single-crystalline perovskite microrods. In NANOSCALE. ISSN 2040-3364, 2020, vol. 12, no. 35, pp. 18269-18277., Registrované v: WOS

24. [1.1] SHANG, Zhenzhen - DENG, Luogen - AN, Yashuai. Influence of fiber and MnCl₂ on mode and threshold of random lasing in random gain systems. In OPTICS EXPRESS. ISSN 1094-4087, 2017, vol. 25, no. 26, pp. 32522-32531., Registrované v: WOS

25. [1.1] SCHWEFEL, Harald G. L. - TUERECI, Hakan E. A chaotic approach clears up imaging. In SCIENCE. ISSN 0036-8075, 2015, vol. 348, no.

- 6231, pp. 189., Registrované v: WOS
26. [1.1] UPPU, Ravitej - MUJUMDAR, Sushil. Exponentially Tempered Levy Sums in Random Lasers. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 114, no. 18, 183903., Registrované v: WOS
27. [1.1] UPPU, Ravitej - MUJUMDAR, Sushil. Excitation-dependent diffuse super-reflection from a random laser. In PHYSICAL REVIEW A. ISSN 2469-9926, 2015, vol. 91, no. 5, 053819., Registrované v: WOS
28. [1.1] VERSHININA, O. S. - YUSIPOV, I. I. - DENISOV, S. - IVANCHENKO, M. V. - LAPTYEVA, T. V. Control of a single-particle localization in open quantum systems. In EPL. ISSN 0295-5075, 2017, vol. 119, no. 5, 56001., Registrované v: WOS
29. [1.1] WANG, Yuchen - YANG, Xiao - LI, Heng - SHENG, ChuanXiang. Bright single-mode random laser from a concentrated solution of pi-conjugated polymers. In OPTICS LETTERS. ISSN 0146-9592, 2016, vol. 41, no. 2, pp. 269-272., Registrované v: WOS
30. [1.1] WETTER, N. - JIMENEZ-VILLAR, E. Random laser materials: from ultrahigh efficiency to very low threshold (Anderson localization). In JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS. ISSN 0957-4522, 2019, vol. 30, no. 18, pp. 16761-16773., Registrované v: WOS
31. [1.1] YEH, Ting-Wei - YANG, Zu-Po - YAO, Yung-Chi - CHANG, Chen-Yu - TSAI, Meng-Tsan - SHEU, Jinn-Kong - LEE, Ya-Ju. In Vivo Speckle Contrast Imaging Constructed by Threshold-tunable Random Lasers. In OPTICS, PHOTONICS AND LASERS (OPAL 2019), 2019, pp. 24-28., Registrované v: WOS
32. [1.1] YUSIPOV, I. - LAPTYEVA, T. - DENISOV, S. - IVANCHENKO, M. Localization in Open Quantum Systems. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2017, vol. 118, no. 7, 070402., Registrované v: WOS
33. [1.1] YU, S. F. Electrically pumped random lasers. In JOURNAL OF PHYSICS D-APPLIED PHYSICS. ISSN 0022-3727, 2015, vol. 48, no. 48, 483001., Registrované v: WOS
34. [1.1] ZENG, Yongquan - LIANG, Guozhen - QIANG, Bo - WU, Kedi - TAO, Jing - HU, Xiaonan - LI, Lianhe - DAVIES, Alexander Giles - LINFIELD, Edmund Harold - LIANG, Hou Kun - ZHANG, Ying - CHONG, Yidong - WANG, Qi Jie. Two-Dimensional Multimode Terahertz Random Lasing with Metal Pillars. In ACS PHOTONICS. ISSN 2330-4022, 2018, vol. 5, no. 7, pp. 2928-2935., Registrované v: WOS

ADCA1120 STANO, Peter - FABIAN, J. Theory of phonon-induced spin relaxation in laterally coupled quantum dots. In *Physical Review Letters*, 2006, vol. 96, no. 18, 186602. (2005: 7.489 - IF, Q1 - JCR, 4.082 - SJR, Q1 - SJR, Current Contents - CCC). (2006 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.96.186602>

Ohlasy:

1. [1.1] SEGARRA, C. et al. Hole spin relaxation in InAs/GaAs quantum dot molecules. In JOURNAL OF PHYSICS CONDENSED MATTER, 2015, vol. 27, 415301., Registrované v: WOS
2. [1.1] SEGARRA, C. - PLANELLES, J. - CLIMENTE, J. I. Control of electron spin-orbit anisotropy in pyramidal InAs quantum dots. In PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES. ISSN

1386-9477, 2015, vol. 66, no., pp. 234., Registrované v: WOS

3. [1.1] SEGARRA, C. - PLANELLES, J. - CLIMENTE, J. I. - RAJADELL, F. Anisotropy of spin-orbit induced electron spin relaxation in [001] and [111] grown GaAs quantum dots. In *NEW JOURNAL OF PHYSICS*. ISSN 1367-2630, 2015, vol. 17, 033014., Registrované v: WOS
4. [1.1] SRINIVASA, V. - TAYLOR, J. M. Capacitively coupled singlet-triplet qubits in the double charge resonant regime. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2015, vol. 92, no. 23, 235301., Registrované v: WOS

ADCA1121 STOJANOVA, L. - RUSSEW, K. - ILLEKOVÁ, Emília. Study of the structural relaxation of PD82SI18 metallic-glass by thermal expansion and viscous-flow measurements. In *Materials Science and Engineering A*, 1991, vol. 133, p. 529-531. (1991 - Current Contents, SCOPUS). ISSN 0921-5093. Dostupné na: [https://doi.org/10.1016/0921-5093\(91\)90126-8](https://doi.org/10.1016/0921-5093(91)90126-8)

Ohlasy:

1. [1.1] BLODGETT, M. E. - EGAMI, T. - NUSSINOV, Z. - KELTON, K. F. Proposal for universality in the viscosity of metallic liquids. In *SCIENTIFIC REPORTS*. ISSN 2045-2322, 2015, vol. 5, 13837., Registrované v: WOS

ADCA1122 STRYJCZYK, M.** - TSUNODA, Y. - DARBY, I. G. - DE WITTE, H. - DIRIKEN, J. - FEDOROV, D. V. - FEDOSSEEV, V. N. - FRAILE, L. M. - HUYSE, M. - KÖSTER, U. - MARSH, B. A. - OTSUKA, T. - PAUWELS, D. - POPESCU, L. - RADULOV, D. - SELIVERSTOV, M. D. - SJÖDIN, A. M. - VAN DEN BERGH, P. - VAN DUPPEN, P. - VENHART, Martin - WALTERS, W. B. - WIMMER, K. beta(-) decay study of the Mn-66-Fe-66-Co-6(6)-Ni-66 decay chain. In *Physical Review C*, 2018, vol. 98, no. 6, p. 4326-4326. (2017: 3.304 - IF, Q2 - JCR, 1.443 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.98.064326>

Ohlasy:

1. [1.1] KUMAR, Vikas - SRIVASTAVA, Praveen C. - KUMAR, Anil. GAMOW-TELLER TRANSITION STRENGTHS FOR SELECTED f p SHELL NUCLEI. In *ACTA PHYSICA POLONICA B*. ISSN 0587-4254, 2020, vol. 51, no. 4, pp. 961-972., Registrované v: WOS

ADCA1123 SUBAIR, Riyas** - DI GIROLAMO, Diego - BODIK, Michal - NÁDAŽDY, Vojtech - LI, Bo - NÁDAŽDY, Peter - MARKOVIC, Zoran - HOFBAUEROVÁ, Monika, Benkovičová - CHLPIK, Juraj - KOTLAR, Mario - HALAHOVETS, Yuriy - ŠIFFALOVIČ, Peter - JERGEL, Matej - TIAN, Jianjun - BRUNETTI, Francesca - MAJKOVÁ, Eva. Effect of the doping of PC61BM electron transport layer with carbon nanodots on the performance of inverted planar MAPbI(3) perovskite solar cells. In *Solar Energy*, 2019, vol. 189, p. 426-434. (2018: 4.674 - IF, Q1 - JCR, 1.593 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 0038-092X. Dostupné na: <https://doi.org/10.1016/j.solener.2019.07.088>

Ohlasy:

1. [1.1] FAGIOLARI, Lucia - BELLA, Federico. Carbon-based materials for stable, cheaper and large-scale processable perovskite solar cells. In

- ENERGY & ENVIRONMENTAL SCIENCE. ISSN 1754-5692, 2019, vol. 12, no. 12, pp. 3437-3472., Registrované v: WOS
2. [1.1] HOWLADER, Ashraful Hossain - LI, Feng - ZHENG, Rongkun. Carbon Nanomaterials for Halide Perovskites-Based Hybrid Photodetectors. In ADVANCED MATERIALS TECHNOLOGIES. ISSN 2365-709X, 2020, vol. 5, no. 12, 2000643., Registrované v: WOS
3. [1.1] KHANAL, Rabi - AYERS, Nicholas - BRIGGS, Sheila - WANG, Yi - BANERJEE, Soumik - CHOUDHURY, Samrat. Study of Structure and Electronic Properties of Heterointerfaces for Photovoltaic Applications. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2020, vol. 124, no. 7, pp. 4141-4151., Registrované v: WOS
4. [1.1] LIU, Guilin - SHAO, Jianbo - XI, Xi - LI, Shaomin - DONG, Weifu - CHEN, Guoqing - CHEN, Liping - CHEN, Rulong - QIN, Gaoe - LIU, Ren. The prediction of carrier generation rate based on OTMM for perovskite solar cells based on different back electrodes. In SUPERLATTICES AND MICROSTRUCTURES. ISSN 0749-6036, 2020, vol. 141, 106495., Registrované v: WOS
5. [1.1] PULLI, Emilio - ROZZI, Elena - BELLA, Federico. Transparent photovoltaic technologies: Current trends towards upscaling. In ENERGY CONVERSION AND MANAGEMENT. ISSN 0196-8904, 2020, vol. 219, 112982., Registrované v: WOS

ADCA1124 SUCH, B. - GLATZEL, T. - KAWAI, S. - MEYER, E. - TURANSKÝ, Robert - BRNDIAR, Ján - ŠTICH, Ivan. Interplay of the tip-sample junction stability and image contrast reversal on a Cu(111) surface revealed by the 3D force field. In *Nanotechnology*, 2012, vol. 23, no. 4, 045705. (2011: 3.979 - IF, Q1 - JCR, 1.899 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0957-4484. Dostupné na: <https://doi.org/10.1088/0957-4484/23/4/045705>

Ohlasy:

1. [1.1] BEYER, Hannes - KORY, Max J. - HOFER, Gregor - STEMMER, Andreas - SCHLUTER, A. Dieter. Exfoliation of two-dimensional polymer single crystals into thin sheets and investigations of their surface structure by high-resolution atomic force microscopy. In NANOSCALE. ISSN 2040-3364, 2017, vol. 9, no. 27, pp. 9481-9490., Registrované v: WOS
2. [1.1] DAGDEVIREN, Omur E. - SCHWARZ, Udo D. Accuracy of tip-sample interaction measurements using dynamic atomic force microscopy techniques: Dependence on oscillation amplitude, interaction strength, and tip-sample distance. In REVIEW OF SCIENTIFIC INSTRUMENTS. ISSN 0034-6748, 2019, vol. 90, no. 3, 033707., Registrované v: WOS
3. [1.1] KIM, Howon - HASEGAWA, Yukio. Site-Dependent Evolution of Electrical Conductance from Tunneling to Atomic Point Contact. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 114, no. 20, 206801., Registrované v: WOS
4. [1.1] LIEBIG, A. - PERONIO, A. - MEUER, D. - WEYMOUTH, A. J. - GIESSIBL, F. J. High-precision atomic force microscopy with atomically-characterized tips. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2020, vol. 22, no. 6, 063040., Registrované v: WOS
5. [1.1] XIE, Fangqing - KAVALENKA, Maryna N. - ROEGER, Moritz - ALBRECHT, Daniel - HOELSCHER, Hendrik - LEUTHOLD, Jurgen -

SCHIMMEL, Thomas. Copper atomic-scale transistors. In BEILSTEIN JOURNAL OF NANOTECHNOLOGY. ISSN 2190-4286, 2017, vol. 8, pp. 530-538., Registrované v: WOS

6. [1.1] YIN, Feng - KOSKINEN, Pekka - KULJU, Sampo - AKOLA, Jaakko - PALMER, Richard E. Real-space Wigner-Seitz Cells Imaging of Potassium on Graphite via Elastic Atomic Manipulation. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2015, vol. 5, 8276., Registrované v: WOS

ADCA1125 SULIGNANO, B. - THEISEN, Ch. - DELAROCHE, J.P. - GIROD, M. - LJUNGVALL, J. - ACKERMANN, D. - ANTALIC, S. - DORVAUX, O. - GALL, B. - GORGEN, A. - GREENLEES, P.T. - HAUSCHILD, K. - HERZBERG, R.-D. - HESSBERGER, F.P. - JAKOBSSON, U. - JONES, P. - JULIN, R. - JUUTINEN, S. - KETELHUT, S. - KORTEN, W. - LEINO, M. - LOPEZ-MARTENS, A. - NYMAN, M. - OBERTELLI, A. - PAKARINEN, J. - PAPADAKIS, P. - PARR, E. - PEURA, P. - PIOT, J. - RAHKILA, P. - ROSTRON, D. - RUOTSALAINEN, P. - SAREN, J. - SCHOLEY, C. - SORRI, J. - UUSITALO, J. - VENHART, Martin - ZIELINSKA, M. Investigation of high-K states in No-252. In *Physical Review C*, 2012, vol. 86, no. 4, 044318. (2011: 3.308 - IF, 2.962 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.86.044318>

Ohlasy:

1. [1.1] BLOCK, M. Direct mass measurements of the heaviest elements with Penning traps. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2015, vol. 944, pp. 471., Registrované v: WOS

2. [1.1] DRACOU LIS, G. D. - WALKER, P. M. - KONDEV, F. G. Review of metastable states in heavy nuclei. In REPORTS ON PROGRESS IN PHYSICS. ISSN 0034-4885, 2016, vol. 79, no. 7, ., Registrované v: WOS

3. [1.1] HE, Xiao-Tao - ZHAO, Shu-Yong - ZHANG, Zhen-Hua - REN, Zhong-Zhou. High-K multi-particle bands and pairing reduction in No-254. In CHINESE PHYSICS C. ISSN 1674-1137, 2020, vol. 44, no. 3, 034106., Registrované v: WOS

4. [1.1] HOTA, S. S. - TANDEL, S. K. - CHOWDHURY, P. et al. Population and decay of a $K^{\pi}=8^{-}$ two-quasineutron isomer in Pu-244. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 2, 021303., Registrované v: WOS

5. [1.1] CHAI, Q. Z. - ZHAO, W. J. - WANG, H. L. Similar alignment based on total-Routhian-surface approach in an alpha-decay chain from Po-216 to (272)Cn. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E. ISSN 0218-3013, 2018, vol. 27, no. 6, 1850050., Registrované v: WOS

6. [1.1] KONDEV, F. G. - DRACOU LIS, G. D. - KIBEDI, T. Configurations and hindered decays of K isomers in deformed nuclei with $A > 100$. In ATOMIC DATA AND NUCLEAR DATA TABLES. ISSN 0092-640X, 2015, vol. 103, pp. 50., Registrované v: WOS

7. [1.1] NESARAJA, C. D. Nuclear Data Sheets for A=244. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2017, vol. 146, pp. 387-510., Registrované v: WOS

8. [1.1] SINGH, Sukhjeet - KUMAR, Sushil - SINGH, Balraj - JAIN, A. K. Nuclear radius parameters ($r(0)$) for even-even nuclei from alpha decay. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2020, vol. 167, pp. 1-35., Registrované v: WOS

SUN, F. - ZHANG, J.Y. - VERMAUT, P. - CHODHOURI, D. - ALAM, T. - MANTRI, S.A. - ŠVEC, Peter - GLORANT, T. - JACQUES, P.J. - BANERJEE, R.** - PRIMA, F.**. Strengthening strategy for a ductile metastable beta-titanium alloy using low-temperature aging. In *Materials Research Letters*, 2017, vol. 5, no. 8, p. 547-553. (2016: 4.773 - IF, Q1 - JCR, 2.544 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, SCOPUS). ISSN 2166-3831. Dostupné na: <https://doi.org/10.1080/21663831.2017.1350211>

Ohlasy:

1. [1.1] ALI, Tayyeb - WANG, Lin - CHENG, Xingwang - LIU, Anjin - XU, Xuefeng. Omega phase formation and deformation mechanism in heat treated Ti-5553 alloy under high strain rate compression. In *MATERIALS LETTERS*. ISSN 0167-577X, 2019, vol. 236, pp. 163-166., Registrované v: WOS
2. [1.1] BARRIOBERO-VILA, Pere - GUSSONE, Joachim - KELM, Klemens - HAUBRICH, Jan - STARK, Andreas - SCHELL, Norbert - REQUENA, Guillermo. An in situ investigation of the deformation mechanisms in a beta-quenched Ti-5Al-5V-5Mo-3Cr alloy. In *MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING*. ISSN 0921-5093, 2018, vol. 717, pp. 134-143., Registrované v: WOS
3. [1.1] BOENISCH, Matthias - STOICA, Mihai - CALIN, Mariana. Routes to control diffusive pathways and thermal expansion in Ti-alloys. In *SCIENTIFIC REPORTS*. ISSN 2045-2322, 2020, vol. 10, no. 1, 3045., Registrované v: WOS
4. [1.1] GAO, Junheng - HUANG, Yuhe - GUAN, Dikai - KNOWLES, Alexander J. - MA, Le - DYE, David - RAINFORTH, W. Mark. Deformation mechanisms in a metastable beta titanium twinning induced plasticity alloy with high yield strength and high strain hardening rate. In *ACTA MATERIALIA*. ISSN 1359-6454, 2018, vol. 152, pp. 301-314., Registrované v: WOS
5. [1.1] GAO, Junheng - KNOWLES, Alexander J. - GUAN, Dikai - RAINFORTH, W. Mark. omega phase strengthened 1.2GPa metastable beta titanium alloy with high ductility. In *SCRIPTA MATERIALIA*. ISSN 1359-6462, 2019, vol. 162, pp. 77-81., Registrované v: WOS
6. [1.1] GAO, Junheng - NUTTER, John - LIU, Xingguang - GUAN, Dikai - HUANG, Yuhe - DYE, David - RAINFORTH, W. Mark. Segregation mediated heterogeneous structure in a metastable beta titanium alloy with a superior combination of strength and ductility. In *SCIENTIFIC REPORTS*. ISSN 2045-2322, 2018, vol. 8, 7512., Registrované v: WOS
7. [1.1] GAO, Puyi - FAN, Jiangkun - SUN, Feng - CHENG, Jun - LI, Lei - TANG, Bin - KOU, Hongchao - LI, Jinshan. Crystallography and asymmetry of tensile and compressive stress-induced martensitic transformation in metastable beta titanium alloy Ti-7Mo-3Nb-3Cr-3Al. In *JOURNAL OF ALLOYS AND COMPOUNDS*. ISSN 0925-8388, 2019, vol. 809, UNSP 151762., Registrované v: WOS
8. [1.1] HE, Qiwei - DU, Zhaoxin - WANG, Xiaopeng - CUI, Xiaoming - LIU, Fei - CHEN, Yanfei - CHENG, Jun - ZHAO, Xueping - CHEN, Yuyong. Effect of cold rolling reduction on grain growth kinetics of TB8 titanium alloy during annealing heat treatment. In *MATERIALS RESEARCH EXPRESS*. ISSN 2053-1591, 2019, vol. 6, no. 11, 116586., Registrované v: WOS

9. [1.1] CHENG, Jun - LI, Jinshan - YU, Sen - DU, Zhaoxin - ZHANG, Xiaoyong - GAI, Jinyang - FAN, Jiangkun - ZHANG, Wen - SONG, Hongjie - YU, Zhentao. Room Temperature Deformation and Superelastic Behavior of TLM Titanium Alloy Under Different Solution Conditions. In FRONTIERS IN MATERIALS. ISSN 2296-8016, 2020, vol. 7, 114., Registrované v: WOS
10. [1.1] CHOU, Kathleen - MARQUIS, Emmanuelle A. Oxygen effects on omega and alpha phase transformations in a metastable beta Ti-Nb alloy. In ACTA MATERIALIA. ISSN 1359-6454, 2019, vol. 181, pp. 367-376., Registrované v: WOS
11. [1.1] IM, Y-D - LEE, Y-K - SONG, K-H. Relationship between texture development and deformation twinning activity in Ti-15Mo alloy. In MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING. ISSN 0921-5093, 2018, vol. 725, pp. 479-487., Registrované v: WOS
12. [1.1] KHADEMI, V. - IKEDA, M. - HERNANDEZ-ESCOBAR, D. - BOEHLERT, C. J. The Elevated-Temperature Strength Enhancement of a Low-Cost beta Titanium Alloy Through Thermomechanically-Induced Phase Transformation. In JOM. ISSN 1047-4838, 2019, vol. 71, no. 10, pp. 3621-3630., Registrované v: WOS
13. [1.1] LEE, Sang Won - PARK, Chan Hee - HONG, Jae-Keun - YEOM, Jong-Taek. Development of sub-grained alpha plus beta Ti alloy with high yield strength showing twinning- and transformation-induced plasticity. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2020, vol. 813, 152102., Registrované v: WOS
14. [1.1] LILENSTEN, L. - DANARD, Y. - POULAIN, R. - GUILLOU, R. - JOUBERT, J. M. - PERRIERE, L. - VERMAUT, P. - THIAUDIERE, D. - PRIMA, F. From single phase to dual-phase TRIP-TWIP titanium alloys: Design approach and properties. In MATERIALIA. ISSN 2589-1529, 2020, vol. 12, 100700., Registrované v: WOS
15. [1.1] LI, Shuanglei - CHOI, Mi-seon - NAM, Tae-hyun. Role of fine nano-scaled isothermal omega phase on the mechanical and superelastic properties of a high Zr-containing Ti-Zr-Nb-Sn shape memory alloy. In MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING. ISSN 0921-5093, 2020, vol. 782, 139278., Registrované v: WOS
16. [1.1] OH, Jeong Mok - PARK, Chan Hee - YEOM, Jong-Taek - HONG, Jae-Keun - KANG, Namhyun - LEE, Sang Won. High strength and ductility in low-cost Ti-Al-Fe-Mn alloy exhibiting transformation-induced plasticity. In MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING. ISSN 0921-5093, 2020, vol. 772, 138813., Registrované v: WOS
17. [1.1] RAZUMOV, I. K. - GORNOSTYREV, Yu. N. Metastable Dispersed States Arising upon Three-Component Alloy Decomposition. In PHYSICS OF THE SOLID STATE. ISSN 1063-7834, 2019, vol. 61, no. 12, pp. 2493-2502., Registrované v: WOS
18. [1.1] RECK, Andre - PILZ, Stefan - KUCZYK, Martin - GEBERT, Annett - ZIMMERMANN, Martina. Cyclic deformation characteristics of the metastable beta-type Ti-40Nb alloy. In MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING. ISSN 0921-5093, 2019, vol. 761,

137966., Registrované v: WOS

19. [1.1] ROGAL, Lukasz - IKEDA, Yuji - LAI, Minjie - KOERMANN, Fritz - KALINOWSKA, Alicja - GRABOWSKI, Blazej. Design of a dual-phase hcp-bcc high entropy alloy strengthened by omega nanoprecipitates in the Sc-Ti-Zr-Hf-Re system. In MATERIALS & DESIGN. ISSN 0264-1275, 2020, vol. 192, 108716., Registrované v: WOS

20. [1.1] VALIEV, Ruslan Z. - PROKOFIEV, Egor A. - KAZARINOV, Nikita A. - RAAB, Georgy I. - MINASOV, Timur B. - STRASKY, Josef. Developing Nanostructured Ti Alloys for Innovative Implantable Medical Devices. In MATERIALS, 2020, vol. 13, no. 4, 967., Registrované v: WOS

21. [1.1] YAO, Kai - MIN, Xiaohua - EMURA, Satoshi - TSUCHIYA, Koichi. Coupling effect of deformation mode and temperature on tensile properties in TWIP type Ti-Mo alloy. In MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING. ISSN 0921-5093, 2019, vol. 766, 138363., Registrované v: WOS

22. [1.1] YUMAK, Nihal - ASLANTAS, Kubilay. A review on heat treatment efficiency in metastable beta titanium alloys: the role of treatment process and parameters. In JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY-JMR&T. ISSN 2238-7854, 2020, vol. 9, no. 6, pp. 15360-15380., Registrované v: WOS

23. [1.1] ZHANG, Yacen - LIU, Huiqun - YI, Danqing - WANG, Bin - JIANG, Yong - HU, Tao - XIAO, Yu - YANG, Qi - WANG, Jian - GAO, Qi. Stress-induced alpha " phase in a beta Ti-19Nb-1.5Mo-4Zr-8Sn alloy. In MATERIALS CHARACTERIZATION. ISSN 1044-5803, 2018, vol. 140, pp. 247-258., Registrované v: WOS

ADCA1127 SURINACH, S. - ILLEKOVÁ, Emília - BARO, M. D. - JHA, A. - JORDERY, S. Evaluation of crystal nucleation and growth from crystallization kinetics data of new halide glasses. In *Journal of Non-Crystalline Solids*, 1996, vol. 207, p. 546-549. (1996 - Current Contents, SCOPUS). ISSN 0022-3093.

Ohlasy:

1. [1.1] PARNELL, Harriet - FURNISS, David - TANG, Zhuoqi - NEATE, Nigel C. - BENSON, Trevor M. - SEDDON, Angela B. Compositional dependence of crystallization in Ge-Sb-Se glasses relevant to optical fiber making. In JOURNAL OF THE AMERICAN CERAMIC SOCIETY. ISSN 0002-7820, 2018, vol. 101, no. 1, pp. 208-219., Registrované v: WOS

ADCA1128 SURINACH, S. - ILLEKOVÁ, Emília - ZHANG, G. - POULAIN, M. - BARO, M.D. Optical fiber-drawing temperature of fluorogallate glasses. In *Journal of Materials Research*, 1996, vol. 11, no. 10, p. 2633-2640. ISSN 0884-2914.

Ohlasy:

1. [1.1] DAVIDOVICH, Ruven - FEDOROV, Pavel - POPOV, Arthur. Structural chemistry of fluoride and mixed-ligand fluoride complexes of gallium(III). In REVIEWS IN INORGANIC CHEMISTRY. ISSN 0193-4929, 2017, vol. 37, no. 3-4, pp. 147-184., Registrované v: WOS

2. [1.1] WANG, Mitang - FANG, Long - LI, Mei - CHENG, Jinshu - HE, Feng - DENG, Wei - DONGOL, Ruhil. Dependence of Gd₂O₃ containing silicate glass workability and fragility on structure. In MATERIALS

- ADCA1129 SUROVTSEV, Yu.S. - KRUPA, Dalibor - NAGY, Miroslav. Existence of the sigma-meson below 1 GeV and chiral symmetry. In *Physical Review D*, 2001, vol. 63, no. 5, 054024. (2000: 3.838 - IF, Current Contents - CCC). (2001 - Current Contents, WOS, SCOPUS). ISSN 1550-7998.

Ohlasy:

1. [1.1] PARGANLIJA, Denis - GIACOSA, Francesco. Excited scalar and pseudoscalar mesons in the extended linear sigma model. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2017, vol. 77, no. 7, 450., Registrované v: WOS
2. [1.1] TANABASHI, M. - GRP, Particle Data - HAGIWARA, K. - HIKASA, K. - et al. REVIEW OF PARTICLE PHYSICS Particle Data Group. In *PHYSICAL REVIEW D*, 2018, vol. 98, no. 3, 030001., Registrované v: WOS

- ADCA1130 SUROVTSEV, Yu.S. - BYDŽOVSKÝ, P. - KAMIŃSKI, R. - NAGY, Miroslav. Light-meson spectroscopy and combined analysis of processes with pseudoscalar mesons. In *Physical Review D*, 2010, vol. 81, no. 1, 016001. (2009: 4.922 - IF, 2.792 - SJR, Q1 - SJR, Current Contents - CCC). (2010 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.81.016001>

Ohlasy:

1. [1.1] KUMANO, S. - SONG, Qin-Tao - TERYAEV, O. V. Hadron tomography by generalized distribution amplitudes in the pion-pair production process. $\gamma^*\gamma \rightarrow \pi(0)\pi(0)$ and gravitational form factors for pion. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2018, vol. 97, no. 1, 014020., Registrované v: WOS

- ADCA1131 SUROVTSEV, Yu.S. - BYDŽOVSKÝ, P. - GUTSCHE, T. - KAMIŃSKI, R. - LYUBOVITSKIJ, E. - NAGY, Miroslav. Role of multichannel $\pi\pi$ scattering in decays of bottomia. In *Physical Review D*, 2015, vol. 91, no. 3, 037901. (2014: 4.643 - IF, Q1 - JCR, 2.414 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.91.037901>

Ohlasy:

1. [1.1] CHEN, Yun-Hua - DAUB, Johanna T. - GUO, Feng-Kun - KUBIS, Bastian - MEISSNER, Ulf-G. - ZOU, Bing-Song. Effect of $Z(b)$ states $\gamma(3S) \rightarrow \gamma(1S) \pi\pi$ decays. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2016, vol. 93, no. 3, 034030., Registrované v: WOS

- ADCA1132 SUROVTSEV, Y.S. - BYDŽOVSKÝ, P. - GUTSCHE, T. - KAMIŃSKI, R. - LYUBOVITSKIJ, V.E. - NAGY, Miroslav. Effect of the $K(K)^{\overline{}}$ and $\eta\eta$ channels and interference phenomena in the two-pion and $K(K)^{\overline{}}$ transitions of charmonia and bottomonia. In *Physical review D*, 2018, vol. 97, no. 1, art. no. 014009. (2017: 4.394 - IF, Q1 - JCR, 1.801 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.97.014009>

Ohlasy:

1. [1.1] XU, Xiao-Ming - WEBER, H. J. Inelastic meson-meson

scattering in hadronic matter. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2020, vol. 35, no. 33, 2030016., Registrované v: WOS

ADCA1133 SUROVTSEV, Z.S. - BYDŽOVSKÝ, P. - GUTSCHE, T. - KAMIŃSKI, R. - LYUBOVITSKIJ, V.E. - NAGY, Miroslav. Unified description of BABAR and Belle data on the bottomonia decays Upsilon(mS) - Upsilon(nS)pi(+)pi(-). In *Physical review D. Particle and fields*, 2015, vol. 92, no. 3, 036002. (2014: 4.643 - IF, Q1 - JCR, 2.414 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.92.036002>

Ohlasy:

1. [1.1] CHEN, Yun-Hua - CLEVEN, Martin - DAUB, Johanna T. - GUO, Feng-Kun - HANHART, Christoph - KUBIS, Bastian - MEISSNER, Ulf-G. - ZOU, Bing-Song. Effects of Z(b) states and bottom meson loops on Upsilon(4S)>Upsilon(1S,2S)pi(+) pi(-) transitions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 95, no. 3, 034022., Registrované v: WOS

ADCA1134 SZEWCZYK, R. - ŠVEC, Peter - SALACH, J. - ŠVEC, Peter Jr. - BIENKOWSKI, A. - HOŠKO, Jozef - JACKIEWICZ, D. - KAMINSKI, M. - WINIARSKI, W. Influence of thermomagnetic treatment on magnetoelastic properties of FeNiMoB amorphous alloy. In *Acta Physica Polonica A*, 2014, vol. 126, no. 1, p. 52. (2013: 0.604 - IF, Q4 - JCR, 0.345 - SJR, Q3 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1898-794X. Dostupné na: <https://doi.org/10.12693/APhysPolA.126.52>

Ohlasy:

1. [1.1] KACHNIARZ, Maciej - KOLAKOWSKA, Kinga. Digitally Switched Voltage Controlled Current Sources for Application in Hysteresisgraph of Low Magnetizing Fields. In AUTOMATION 2018: ADVANCES IN AUTOMATION, ROBOTICS AND MEASUREMENT TECHNIQUES. ISSN 2194-5357, 2018, vol. 743, pp. 773-782., Registrované v: WOS

ADCA1135 SZOCS, F. - ŠAUŠA, Ondrej - KRIŠTIAKOVÁ, Katarína - KRIŠTIAK, Jozef - KLIMOVA, M. Influence of high-pressure annealing on free-volume in polycarbonate studied by positron-annihilation. In *European Polymer Journal*, 1995, vol. 31, no. 10, p. 1019-1020. (1994: 0.719 - IF, Current Contents - CCC). (1995 - Current Contents). ISSN 0014-3057. Dostupné na: [https://doi.org/10.1016/0014-3057\(95\)00050-X](https://doi.org/10.1016/0014-3057(95)00050-X)

Ohlasy:

1. [1.1] CUI, Yue - LIU, Xiang-Yang - CHUNG, Tai-Shung - WEBER, Martin - STAUDT, Claudia - MALETZKO, Christian. Removal of organic micro-pollutants (phenol, aniline and nitrobenzene) via forward osmosis (FO) process: Evaluation of FO as an alternative method to reverse osmosis (RO). In WATER RESEARCH. ISSN 0043-1354, 2016, vol. 91, no., pp. 104-114., Registrované v: WOS

ADCA1136 ŠÁLY, V. - HARTMANOVÁ, Mária - GLUSHKOVA, V.B. Electrical behavior of HFO2 stabilized with rare-earths. In *Solid State Ionics*, 1989, vol. 36, no. 3-4, p.189-192. ISSN 0167-2738. Dostupné na: [https://doi.org/10.1016/0167-2738\(89\)90168-9](https://doi.org/10.1016/0167-2738(89)90168-9)

Ohlasy:

1. [1.1] COUROUAU, J.L. - FOULETIER, J. - STEIL, M. C. HfO₂-based electrolyte potentiometric oxygen sensors for liquid sodium. In *ELECTROCHIMICA ACTA*. ISSN 0013-4686, 2020, vol. 331, 135269., Registrované v: WOS
2. [1.1] KUZ&APOS;MIN, A. V. - MESHCHERSKIKH, A. N. - GORELOV, V. P. - PLAKSIN, S. V. New Solid Electrolytes HfO₂-SC₂O₃-Y₂O₃. In *RUSSIAN JOURNAL OF APPLIED CHEMISTRY*. ISSN 1070-4272, 2015, vol. 88, no. 5, pp. 751., Registrované v: WOS
3. [1.1] SEVIN, Louise - RAZAFINDRAMANANA, Volatiana - JULIAN-JANKOWIAK, Aurelie - JUSTIN, Jean-Francois - MAUVY, Fabrice - REBILLAT, F. Effect of high-content Yttria on the thermal expansion behaviour and ionic conductivity of a stabilised cubic Hafnia. In *JOURNAL OF THE EUROPEAN CERAMIC SOCIETY*. ISSN 0955-2219, 2020, vol. 40, no. 15, pp. 5859-5869., Registrované v: WOS

ADCA1137 ŠAMAJ, Ladislav - PERCUS, J.K. A functional relation among the pair correlations of the 2-dimensional one-component plasma. In *Journal of Statistical Physics*, 1995, vol. 80, no. 3-4, p. 811-824. ISSN 0022-4715. Dostupné na: <https://doi.org/10.1007/BF02178556>

Ohlasy:

1. [1.1] MORA GRIMALDO, Johnny Alejandro - TELLEZ, Gabriel. Relations Among Two Methods for Computing the Partition Function of the Two-Dimensional One-Component Plasma. In *JOURNAL OF STATISTICAL PHYSICS*. ISSN 0022-4715, 2015, vol. 160, no. 1, pp. 4-28., Registrované v: WOS
2. [1.1] PABLO MALLARINO, Juan - TELLEZ, Gabriel. Counterion density profile around a charged disk: From the weak to the strong association regime. In *PHYSICAL REVIEW E*. ISSN 1539-3755, 2015, vol. 91, no. 6, 062140., Registrované v: WOS

ADCA1138 ŠAMAJ, Ladislav. A generalization of the Stillinger- Lovett sum rules for two-dimensional jellium. In *Journal of Statistical Physics*, 2007, vol. 128, no. 6, p. 1415-1428. (2006: 1.437 - IF, Q2 - JCR, 1.255 - SJR, Q1 - SJR). ISSN 0022-4715. Dostupné na: <https://doi.org/10.1007/s10955-007-9376-z>

Ohlasy:

1. [1.1] LASKIN, M. - CAN, T. - WIEGMANN, P. Collective field theory for quantum Hall states. In *PHYSICAL REVIEW B*. ISSN 1098-0121, 2015, vol. 92, no. 23, 235141., Registrované v: WOS

ADCA1139 ŠAMAJ, Ladislav. Anomalous effects of "guest" charges immersed in electrolyte: Exact 2D results. In *Journal of Statistical Physics*. ISSN 0022-4715. *Journal of Statistical Physics*, 2005, vol. 120, no. 1-2, p. 125-146. ISSN 0022-4715. Dostupné na: <https://doi.org/10.1007/s10955-005-5477-8>

Ohlasy:

1. [1.1] ZHOU, Shiqi. Effective electrostatic potential between two oppositely charged cylinder rods in primitive model and extended primitive model electrolytes. In *JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT*. ISSN 1742-5468, 2019, 033213., Registrované v: WOS

ŠAMAJ, Ladislav - TRIZAC, E. Counterions at highly charged interfaces: From one plate to like-charge attraction. In *Physical Review Letters*, 2011, vol. 106, no. 7, 078301. (2010: 7.622 - IF, Q1 - JCR, 6.450 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.106.078301>

Ohlasy:

1. [1.1] BAKHSHANDEH, Amin - DOS SANTOS, Alexandre P. - DIEHL, Alexandre - LEVIN, Yan. Interaction between random heterogeneously charged surfaces in an electrolyte solution. In *JOURNAL OF CHEMICAL PHYSICS*. ISSN 0021-9606, 2015, vol. 142, no. 19, 194707., Registrované v: WOS
2. [1.1] BASCHNAGEL, Jorg - MEYER, Hendrik - WITTMER, Joachim - KULIC, Igor - MOHRBACH, Herve - ZIEBERT, Falko - NAM, Gi-Moon - LEE, Nam-Kyung - JOHNER, Albert. Semiflexible Chains at Surfaces: Worm-Like Chains and beyond. In *POLYMERS*. ISSN 2073-4360, 2016, vol. 8, no. 8, 286., Registrované v: WOS
3. [1.1] DOS SANTOS, Alexandre P. - LEVIN, Yan. Electrolytes between dielectric charged surfaces: Simulations and theory. In *JOURNAL OF CHEMICAL PHYSICS*. ISSN 0021-9606, 2015, vol. 142, no. 19, 194104., Registrované v: WOS
4. [1.1] DOS SANTOS, Alexandre P. - GIROTTO, Matheus - LEVIN, Yan. Simulations of Polyelectrolyte Adsorption to a Dielectric Like Charged Surface. In *JOURNAL OF PHYSICAL CHEMISTRY B*. ISSN 1520-6106, 2016, vol. 120, no. 39, pp. 10387-10393., Registrované v: WOS
5. [1.1] DOS SANTOS, Alexandre P. - BAKHSHANDEH, Amin - DIEHL, Alexandre - LEVIN, Yan. Adsorption isotherms of charged nanoparticles. In *SOFT MATTER*. ISSN 1744-683X, 2016, vol. 12, no. 41, pp. 8528-8533., Registrované v: WOS
6. [1.1] DOS SANTOS, Alexandre P. - GIROTTO, Matheus - LEVIN, Yan. Simulations of Coulomb systems with slab geometry using an efficient 3D Ewald summation method. In *JOURNAL OF CHEMICAL PHYSICS*. ISSN 0021-9606, 2016, vol. 144, no. 14, 144103., Registrované v: WOS
7. [1.1] DUTTA, Sandipan - JHO, Y. S. Strong-coupling electrostatic theory of polymer counterions close to planar charges. In *PHYSICAL REVIEW E*. ISSN 2470-0045, 2016, vol. 93, no. 1, 012504., Registrované v: WOS
8. [1.1] FRYDEL, Derek - MA, Manman. Density functional formulation of the random-phase approximation for inhomogeneous fluids: Application to the Gaussian core and Coulomb particles. In *PHYSICAL REVIEW E*. ISSN 2470-0045, 2016, vol. 93, no. 6, 062112., Registrované v: WOS
9. [1.1] FRYDEL, Derek. MEAN FIELD ELECTROSTATICS BEYOND THE POINT CHARGE DESCRIPTION. In *ADVANCES IN CHEMICAL PHYSICS*, VOL 160. ISSN 0065-2385, 2016, vol. 160, no., pp. 209-260., Registrované v: WOS
10. [1.1] GHODRAT, Malihe - NAJI, Ali - KOMAIE-MOGHADDAM, Haniyeh - PODGORNÍK, Rudolf. Ion-mediated interactions between net-neutral slabs: Weak and strong disorder effects. In *JOURNAL OF CHEMICAL PHYSICS*. ISSN 0021-9606, 2015, vol. 143, no. 23, 234701., Registrované v: WOS
11. [1.1] GHODRAT, Malihe - NAJI, Ali - KOMAIE-MOGHADDAM,

- Haniyeh - PODGORNÍK, Rudolf. Strong coupling electrostatics for randomly charged surfaces: antifragility and effective interactions. In *Soft Matter*. ISSN 1744-683X, 2015, vol. 11, no. 17, pp. 3441., Registrované v: WOS
12. [1.1] ISABEL GARCIA DE SORIA, Maria - ALVAREZ, Carlos E. - TRIZAC, Emmanuel. Renormalized jellium model for colloidal mixtures. In *PHYSICAL REVIEW E*. ISSN 2470-0045, 2016, vol. 94, no. 4, 042609., Registrované v: WOS
13. [1.1] LUE, Leo - LINSE, Per. Ions confined in spherical dielectric cavities modeled by a splitting field-theory. In *JOURNAL OF CHEMICAL PHYSICS*. ISSN 0021-9606, 2015, vol. 142, no. 14, 144902., Registrované v: WOS
14. [1.1] PABLO MALLARINO, Juan - TELLEZ, Gabriel. Counterion density profile around a charged disk: From the weak to the strong association regime. In *PHYSICAL REVIEW E*. ISSN 1539-3755, 2015, vol. 91, no. 6, 062140., Registrované v: WOS
15. [1.1] PABLO MALLARINO, Juan - TELLEZ, Gabriel - TRIZAC, Emmanuel. The contact theorem for charged fluids: from planar to curved geometries. In *MOLECULAR PHYSICS*. ISSN 0026-8976, 2015, vol. 113, no. 17-18, pp. 2409., Registrované v: WOS
16. [1.1] TELLEZ, Gabriel - TRIZAC, Emmanuel. Screening like charges in one-dimensional Coulomb systems: Exact results. In *PHYSICAL REVIEW E*. ISSN 1539-3755, 2015, vol. 92, no. 4, 042134., Registrované v: WOS
17. [1.1] WANG, Zhi-Yong - MA, Zengwei. Examining the Contributions of Image-Charge Forces to Charge Reversal: Discrete Versus Continuum Modeling of Surface Charges. In *JOURNAL OF CHEMICAL THEORY AND COMPUTATION*. ISSN 1549-9618, 2016, vol. 12, no. 6, pp. 2880-2888., Registrované v: WOS
18. [1.1] WANG, Zhi-Yong. Charge reversal at a planar boundary between two dielectrics. In *PHYSICAL REVIEW E*. ISSN 2470-0045, 2016, vol. 93, no. 1, 012605., Registrované v: WOS

ADCA1141 ŠAMAJ, Ladislav. Counter-ions at single charged wall: Sum rules. In *European Physical Journal E*, 2013, vol. 36, no. 9, 100. (2012: 1.824 - IF, Q2 - JCR, 0.935 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents). ISSN 1292-8941. Dostupné na: <https://doi.org/10.1140/epje/i2013-13100-6>

Ohlasy:

1. [1.1] FRYDEL, Derek - MA, Manman. Density functional formulation of the random-phase approximation for inhomogeneous fluids: Application to the Gaussian core and Coulomb particles. In *PHYSICAL REVIEW E*. ISSN 2470-0045, 2016, vol. 93, no. 6, 062112., Registrované v: WOS

ADCA1142 ŠAMAJ, Ladislav - TRIZAC, E. Counter-ions at charged walls: Two-dimensional systems. In *European Physical Journal E : Soft Matter and Biological Physics*, 2011, vol. 34, no. 2, 20. (2010: 2.096 - IF, Q1 - JCR, 1.115 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 1292-8941. Dostupné na: <https://doi.org/10.1140/epje/i2011-11020-1>

Ohlasy:

1. [1.1] CHEN, Xu - CHEN, Er-Qiang - YANG, Shuang. Multivalent

counterions induced attraction between DNA polyelectrolytes. In RSC ADVANCES, 2020, vol. 10, no. 4, pp. 1890-1900., Registrované v: WOS
 2. [1.1] PABLO MALLARINO, Juan - TELLEZ, Gabriel. Counterion density profile around a charged disk: From the weak to the strong association regime. In PHYSICAL REVIEW E. ISSN 1539-3755, 2015, vol. 91, no. 6, 062140., Registrované v: WOS

ADCA1143 ŠAMAJ, Ladislav - TRIZAC, E. Critical phenomena and phase sequence in a classical bilayer Wigner crystal at zero temperature. In *Physical Review B*, 2012, vol. 85, no. 20, 205131. (2011: 3.691 - IF, Q1 - JCR, 3.326 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.85.205131>

Ohlasy:

1. [1.1] PABLO MALLARINO, Juan - TELLEZ, Gabriel. Counterion density profile around a charged disk: From the weak to the strong association regime. In PHYSICAL REVIEW E. ISSN 1539-3755, 2015, vol. 91, no. 6, 062140., Registrované v: WOS

ADCA1144 ŠAMAJ, Ladislav - TRIZAC, Emmanuel. Electric double layers with surface charge modulations: Exact Poisson-Boltzmann solutions. In *Physical Review E*, 2019, vol. 100, no. 4, 042611. (2018: 2.353 - IF, Q1 - JCR, 0.992 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 2470-0045. Dostupné na: <https://doi.org/10.1103/PhysRevE.100.042611>

Ohlasy:

1. [1.1] BAKHSHANDEH, Amin - SEGALA, Maximiliano - COLLA, Thiago. Electrolytes in regimes of strong confinement: surface charge modulations, osmotic equilibrium and electroneutrality. In SOFT MATTER. ISSN 1744-683X, 2020, vol. 16, no. 46, pp. 10488-10505., Registrované v: WOS
 2. [1.1] MUSSOTTER, Maximilian - BIER, Markus - DIETRICH, S. Heterogeneous surface charge confining an electrolyte solution. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2020, vol. 152, no. 23, 234703., Registrované v: WOS
 3. [1.1] SHERWOOD, J. D. - GHOSAL, S. Effect of Nonzero Solid Permittivity on the Electrical Repulsion between Charged Surfaces. In LANGMUIR. ISSN 0743-7463, 2020, vol. 36, no. 10, pp. 2592-2600., Registrované v: WOS

ADCA1145 ŠAMAJ, Ladislav - TRIZAC, E. Ground state of classical bilayer Wigner crystals. In *Europhysics Letters*, 2012, vol. 98, no. 3, 36004. (2011: 2.171 - IF, Q1 - JCR, 1.389 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, SCOPUS). ISSN 0295-5075. Dostupné na: <https://doi.org/10.1209/0295-5075/98/36004>

Ohlasy:

1. [1.1] BAKHSHANDEH, Amin - DOS SANTOS, Alexandre P. - LEVIN, Yan. Interaction between Charge-Regulated Metal Nanoparticles in an Electrolyte Solution. In JOURNAL OF PHYSICAL CHEMISTRY B. ISSN 1520-6106, 2020, vol. 124, no. 51, pp. 11762-11770., Registrované v: WOS
 2. [1.1] PABLO MALLARINO, Juan - TELLEZ, Gabriel. Counterion density profile around a charged disk: From the weak to the strong association

regime. In PHYSICAL REVIEW E. ISSN 1539-3755, 2015, vol. 91, no. 6, 062140., Registrované v: WOS

ADCA1146 ŠAMAJ, Ladislav - TRIZAC, E. Ground-state structure of a bilayer Wigner crystal with repulsive dielectric images. In *Europhysics Letters*, 2012, vol. 100, no. 5, 56005. (2011: 2.171 - IF, Q1 - JCR, 1.389 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, SCOPUS). ISSN 0295-5075. Dostupné na: <https://doi.org/10.1209/0295-5075/100/56005>

Ohlasy:

1. [1.1] DOS SANTOS, Alexandre P. - LEVIN, Yan. Electrolytes between dielectric charged surfaces: Simulations and theory. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2015, vol. 142, no. 19, 194104., Registrované v: WOS
2. [1.1] DOS SANTOS, Alexandre P. - NETZ, Roland R. Dielectric boundary effects on the interaction between planar charged surfaces with counterions only. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2018, vol. 148, no. 16, 164103., Registrované v: WOS
3. [1.1] MALOSSI, Rodrigo Mor - GIROTTI, Matheus - DOS SANTOS, Alexandre P. - LEVIN, Yan. Simulations of electrolyte between charged metal surfaces. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2020, vol. 153, no. 4, 044121., Registrované v: WOS
4. [1.1] PABLO MALLARINO, Juan - TELLEZ, Gabriel. Counterion density profile around a charged disk: From the weak to the strong association regime. In PHYSICAL REVIEW E. ISSN 1539-3755, 2015, vol. 91, no. 6, 062140., Registrované v: WOS

ADCA1147 ŠAMAJ, Ladislav. Is the two-dimensional one-component plasma exactly solvable? In *Journal of Statistical Physics*, 2004, vol. 117, no. 1-2, p. 131-158. ISSN 0022-4715. Dostupné na: <https://doi.org/10.1023/B:JOSS.0000044056.19438.2c>

Ohlasy:

1. [1.1] FANTONI, Riccardo. Plasma living in a curved surface at some special temperature. In PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS. ISSN 0378-4371, 2019, vol. 524, pp. 177-220., Registrované v: WOS
2. [1.1] MORA GRIMALDO, Johnny Alejandro - TELLEZ, Gabriel. Relations Among Two Methods for Computing the Partition Function of the Two-Dimensional One-Component Plasma. In JOURNAL OF STATISTICAL PHYSICS. ISSN 0022-4715, 2015, vol. 160, no. 1, pp. 4-28., Registrované v: WOS
3. [1.1] PABLO MALLARINO, Juan - TELLEZ, Gabriel. Counterion density profile around a charged disk: From the weak to the strong association regime. In PHYSICAL REVIEW E. ISSN 1539-3755, 2015, vol. 91, no. 6, 062140., Registrované v: WOS
4. [1.1] SALAZAR, R. - TELLEZ, G. Exact Energy Computation of the One Component Plasma on a Sphere for Even Values of the Coupling Parameter. In JOURNAL OF STATISTICAL PHYSICS. ISSN 0022-4715, 2016, vol. 164, no. 4, pp. 969-999., Registrované v: WOS
5. [1.1] SALAZAR, R. - TELLEZ, G. Exact mean-energy expansion of Ginibre's gas for coupling constants $\Gamma=2 \times (\text{odd integer})$. In PHYSICAL

- ADCA1148 ŠAMAJ, Ladislav - JANCOVICI, B. Large-distance behavior of particle correlations in the two-dimensional two-component plasma. In *Journal of Statistical Physics*, 2002, vol. 106, no. 1-2, p. 301-321. ISSN 0022-4715. Dostupné na: <https://doi.org/10.1023/A:1013184431800>
Ohlasy:
1. [1.1] WHITLEY, H. D. - ALASTUEY, A. - GAFFNEY, J. A. - CAUBLE, R. - KRAEFT, W. D. - BONITZ, M. A tribute to pioneers of strongly coupled plasmas: Hugh E. DeWitt, Bernard Jancovici, and Forrest J. Rogers. In CONTRIBUTIONS TO PLASMA PHYSICS. ISSN 0863-1042, 2015, vol. 55, no. 2-3, pp. 102-115., Registrované v: WOS
- ADCA1149 ŠAMAJ, Ladislav - KOLESÍK, Miroslav. Mapping of the symmetrical vertex model onto the ising-model for an arbitrary lattice coordination. In *Physica A*, 1992, vol. 182, no. 3, p. 455-466. ISSN 0378-4371.
Ohlasy:
1. [1.1] ASSIS, Michael. The 16-vertex model and its even and odd 8-vertex subcases on the square lattice. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2017, vol. 50, no. 39, 395001., Registrované v: WOS
- ADCA1150 ŠAMAJ, Ladislav - DOS SANTOS, A.P. - LEVIN, Y. - TRIZAC, E. Mean-field beyond mean-field: the single particle view for moderately to strongly coupled charged fluids. In *Soft Matter*, 2016, vol. 12, no. 42, p. 8768-8773. (2015: 3.798 - IF, Q1 - JCR, 1.634 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 1744-683X. Dostupné na: <https://doi.org/10.1039/c6sm01360k>
Ohlasy:
1. [1.1] COLLA, Thiago - BAKHSHANDEH, Amin - LEVIN, Yan. Osmotic stress and pore nucleation in charged biological nanoshells and capsids. In SOFT MATTER. ISSN 1744-683X, 2020, vol. 16, no. 9, pp. 2390-2405., Registrované v: WOS
2. [1.1] FRUSAWA, Hiroshi. Ground-state correlation energy of counterions at a charged planar wall: Gibbs-Bogoliubov lower-bound approach. In PHYSICS LETTERS A. ISSN 0375-9601, 2020, vol. 384, no. 20, 126512., Registrované v: WOS
- ADCA1151 ŠAMAJ, Ladislav - TRIZAC, E. Poisson-Boltzmann thermodynamics of counterions confined by curved hard walls. In *Physical Review E*, 2016, vol. 93, no. 1, 012601. (2015: 2.252 - IF, Q1 - JCR, 1.183 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 2470-0045. Dostupné na: <https://doi.org/10.1103/PhysRevE.93.012601>
Ohlasy:
1. [1.1] AL-ZHOUR, Zeyad - ALRAWAJEH, Fatimah - AL-MUTAIRI, Nouf - ALKHASAWNEH, Raed. NEW RESULTS ON THE CONFORMABLE FRACTIONAL SUMUDU TRANSFORM: THEORIES AND APPLICATIONS. In INTERNATIONAL JOURNAL OF ANALYSIS AND APPLICATIONS. ISSN 2291-8639, 2019, vol. 17, no. 6, pp. 1019-1033., Registrované v: WOS

2. [1.1] COLLA, Thiago - BAKHSHANDEH, Amin - LEVIN, Yan. Osmotic stress and pore nucleation in charged biological nanoshells and capsids. In *SOFT MATTER*. ISSN 1744-683X, 2020, vol. 16, no. 9, pp. 2390-2405., Registrované v: WOS
3. [1.1] SABOORIAN-JOOYBARI, Hadi - CHEN, Zhangxin. Analytical solutions of the Poisson-Boltzmann equation within an interstitial electrical double layer in various geometries. In *CHEMICAL PHYSICS*. ISSN 0301-0104, 2019, vol. 522, pp. 147-162., Registrované v: WOS
4. [1.1] ZHOU, Shiqi. Effective electrostatic potential between two oppositely charged cylinder rods in primitive model and extended primitive model electrolytes. In *JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT*. ISSN 1742-5468, 2019, 033213., Registrované v: WOS
5. [1.2] REINDL, Andreas - BIER, Markus - DIETRICH, S. Electrolyte solutions at curved electrodes. I. Mesoscopic approach. In *Journal of Chemical Physics*. ISSN 00219606, 2017-04-21, 146, 15, 154703., Registrované v: SCOPUS
6. [1.2] TAGLIAZUCCHI, M. - SZLEIFER, I. Theoretical Basis for Structure and Transport in Nanopores and Nanochannels. In *Chemically Modified Nanopores and Nanochannels*, 2017, pp. 27-60., Registrované v: SCOPUS

ADCA1152 ŠAMAJ, Ladislav - PERCUS, J.K. Recursion representation of gradient expansion for free fermion ground state in one dimension. In *Journal of Chemical Physics*, 1999, vol. 111, no. 5, p. 1809-1814. ISSN 0021-9606.

Ohlasy:

1. [1.1] SERGEEV, Alexey - JOVANOVIĆ, Raka - KAIS, Sabre - ALHARBI, Fahhad H. On the divergence of gradient expansions for kinetic energy functionals in the potential functional theory. In *JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL*. ISSN 1751-8113, 2016, vol. 49, no. 28, 285202., Registrované v: WOS

ADCA1153 ŠAMAJ, Ladislav. Renormalization of a hard-core guest charge immersed in a two-dimensional electrolyte. In *Journal of Statistical Physics*, 2006, vol. 124, no. 5, p. 1179-1206. Dostupné na: <https://doi.org/10.1063/1.4967257>

Ohlasy:

1. [1.1] FRYDEL, Derek. The double-layer structure of overscreened surfaces by smeared-out ions. In *JOURNAL OF CHEMICAL PHYSICS*. ISSN 0021-9606, 2016, vol. 145, no. 18, 184703., Registrované v: WOS
2. [1.1] TREFALT, Gregor - SZILAGYI, Istvan - TELLEZ, Gabriel - BORKOVEC, Michal. Colloidal Stability in Asymmetric Electrolytes: Modifications of the Schulze-Hardy Rule. In *LANGMUIR*. ISSN 0743-7463, 2017, vol. 33, no. 7, pp. 1695-1704., Registrované v: WOS

ADCA1154 ŠAMAJ, Ladislav - TRULSSON, Martin - TRIZAC, Emmanuel. Strong-coupling theory of counterions between symmetrically charged walls: from crystal to fluid phases. In *Soft Matter*, 2018, vol. 14, no. 20, p. 4040-4052. (2017: 3.709 - IF, Q1 - JCR, 1.493 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 1744-683X. Dostupné na: <https://doi.org/10.1039/c8sm00571k>

Ohlasy:

1. [1.1] DE SOUZA, J. Pedro - BAZANT, Martin Z. Continuum Theory of Electrostatic Correlations at Charged Surfaces. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2020, vol. 124, no. 21, pp. 11414-11421., Registrované v: WOS
2. [1.1] FRUSAWA, Hiroshi. Transverse Density Fluctuations around the Ground State Distribution of Counterions near One Charged Plate: Stochastic Density Functional View. In ENTROPY, 2020, vol. 22, no. 1, 34., Registrované v: WOS
3. [1.1] MUKHINA, Tetiana - HEMMERLE, Arnaud - RONDELLI, Valeria - GERELLI, Yuri - FRAGNETO, Giovanna - DAILLANT, Jean - CHARITAT, Thierry. Attractive Interaction between Fully Charged Lipid Bilayers in a Strongly Confined Geometry. In JOURNAL OF PHYSICAL CHEMISTRY LETTERS. ISSN 1948-7185, 2019, vol. 10, no. 22, pp. 7195-7199., Registrované v: WOS

ADCA1155 ŠAMAJ, Ladislav - TRIZAC, E. Strong-coupling theory for a polarizable planar colloid. In *Contributions to Plasma Physics*, 2012, vol. 52, no. 1, p. 53-57. (2011: 1.530 - IF, 0.612 - SJR, Q2 - SJR, Current Contents - CCC). (2012 - Current Contents). ISSN 1521-3986. Dostupné na: <https://doi.org/10.1002/ctpp.201100059>

Ohlasy:

1. [1.1] MALOSS, Rodrigo Mor - GIROTTO, Matheus - DOS SANTOS, Alexandre P. - LEVIN, Yan. Simulations of electrolyte between charged metal surfaces. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2020, vol. 153, no. 4, 044121., Registrované v: WOS
2. [1.1] QIU, Yinghua - CHEN, Yunfei. Counterions and water molecules in charged silicon nanochannels: the influence of surface charge discreteness. In MOLECULAR SIMULATION. ISSN 0892-7022, 2015, vol. 41, no. 14, pp. 1187-1192., Registrované v: WOS

ADCA1156 ŠAMAJ, Ladislav. The statistical mechanics of the classical two-dimensional Coulomb gas is exactly solved. In *Journal of Physics A: Mathematical and Theoretical*, 2003, vol. 36, no. 22, p. 5913-5920. ISSN 1751-8113. Dostupné na: <https://doi.org/10.1088/0305-4470/36/22/312>

Ohlasy:

1. [1.1] CUNDEN, Fabio Deelan - MALTSEV, Anna - MEZZADRI, Francesco. Fluctuations in the two-dimensional one-component plasma and associated fourth-order phase transition. In PHYSICAL REVIEW E. ISSN 1539-3755, 2015, vol. 91, no. 6, 060105., Registrované v: WOS
2. [1.1] DAVIS, Sergio - JAIN, Jalaj - BORA, Biswajit. Computational statistical mechanics of a confined, three-dimensional Coulomb gas. In PHYSICAL REVIEW E. ISSN 2470-0045, 2020, vol. 102, no. 4, 042137., Registrované v: WOS
3. [1.1] FANTONI, Riccardo. Plasma living in a curved surface at some special temperature. In PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS. ISSN 0378-4371, 2019, vol. 524, pp. 177-220., Registrované v: WOS
4. [1.1] LEBLE, Thomas - SERFATY, Sylvia - ZEITOUNI, Ofer. Large Deviations for the Two-Dimensional Two-Component Plasma. In

COMMUNICATIONS IN MATHEMATICAL PHYSICS. ISSN 0010-3616, 2017, vol. 350, no. 1, pp. 301-360., Registrované v: WOS

5. [1.1] PABLO MALLARINO, Juan - TELLEZ, Gabriel - TRIZAC, Emmanuel. The contact theorem for charged fluids: from planar to curved geometries. In MOLECULAR PHYSICS. ISSN 0026-8976, 2015, vol. 113, no. 17-18, pp. 2409., Registrované v: WOS

6. [1.1] TELLEZ, Gabriel - TRIZAC, Emmanuel. Screening like charges in one-dimensional Coulomb systems: Exact results. In PHYSICAL REVIEW E. ISSN 1539-3755, 2015, vol. 92, no. 4, 042134., Registrované v: WOS

ADCA1157 ŠAMAJ, Ladislav - TRAVĚNEC, Igor. Thermodynamic properties of the two-dimensional two-component plasma. In *Journal of Statistical Physics*, 2000, vol. 101, no. 3-4, p. 713-730. (1999: 1.192 - IF). ISSN 0022-4715. Dostupné na: <https://doi.org/10.1023/a:1026489924895>

Ohlasy:

1. [1.1] PERERA, Aurelien - URBIC, Tomaz. Clustering in complex ionic liquids in two dimensions. In JOURNAL OF MOLECULAR LIQUIDS. ISSN 0167-7322, 2018, vol. 265, pp. 307-315., Registrované v: WOS

2. [1.1] PERERA, Aurelien - URBIC, Tomaz. Charge ordering in two-dimensional ionic liquids. In PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS. ISSN 0378-4371, 2018, vol. 495, pp. 393-404., Registrované v: WOS

ADCA1158 ŠAMAJ, Ladislav. Thermodynamics of two-component log-gases with alternating charges. In *Journal of Statistical Physics*, 2013, vol. 152, no. 4, p. 599-618. (2012: 1.400 - IF, Q2 - JCR, 1.012 - SJR, Q2 - SJR, Current Contents - CCC). (2013 - Current Contents). ISSN 0022-4715. Dostupné na: <https://doi.org/10.1007/s10955-013-0780-2>

Ohlasy:

1. [1.1] DEVILLARD, P. - CHEVALLIER, D. - VIGNOLO, P. - ALBERT, M. Full counting statistics of the momentum occupation numbers of the Tonks-Girardeau gas. In PHYSICAL REVIEW A. ISSN 1050-2947, 2020, vol. 101, no. 6, 063604., Registrované v: WOS

ADCA1159 ŠAMAJ, Ladislav - WAGNER, J. - KALINAY, Pavol. Translation symmetry breaking in the one-component plasma on the cylinder. In *Journal of Statistical Physics*, 2004, vol. 117, no. 1-2, p. 159-178. ISSN 0022-4715. Dostupné na: <https://doi.org/10.1023/B:JOSS.0000044066.98352.12>

Ohlasy:

1. [1.1] CAN, T. - FORRESTER, P. J. - TELLEZ, G. - WIEGMANN, P. Exact and Asymptotic Features of the Edge Density Profile for the One Component Plasma in Two Dimensions. In JOURNAL OF STATISTICAL PHYSICS. ISSN 0022-4715, 2015, vol. 158, no. 5, pp. 1147-1180., Registrované v: WOS

ADCA1160 ŠAMAJ, Ladislav - TRIZAC, E. Wigner-crystal formulation of strong-coupling theory for counterions near planar charged interfaces. In *Physical Review E*, 2011, vol. 84, no. 4, 041401. (2010: 2.352 - IF, Q1 - JCR, 1.692 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 2470-0045. Dostupné na: <https://doi.org/10.1103/PhysRevE.84.041401>

Ohlasy:

1. [1.1] DUTTA, Sandipan - JHO, Y. S. Adsorption of highly charged Gaussian polyelectrolytes onto oppositely charged surfaces. In *JOURNAL OF CHEMICAL PHYSICS*. ISSN 0021-9606, 2016, vol. 144, no. 9, 094902., Registrované v: WOS
2. [1.1] DUTTA, Sandipan - JHO, Y. S. Strong-coupling electrostatic theory of polymer counterions close to planar charges. In *PHYSICAL REVIEW E*. ISSN 2470-0045, 2016, vol. 93, no. 1, 012504., Registrované v: WOS
3. [1.1] LEE, Ernest Y. - LEE, Calvin K. - SCHMIDT, Nathan W. - JIN, Fan - LANDE, Roberto - CURK, Tine - FRENKEL, Daan - DOBNIKAR, Jure - GILLIET, Michel - WONG, Gerard C. L. A review of immune amplification via ligand clustering by self-assembled liquid-crystalline DNA complexes. In *ADVANCES IN COLLOID AND INTERFACE SCIENCE*. ISSN 0001-8686, 2016, vol. 232, pp. 17-24., Registrované v: WOS
4. [1.1] PABLO MALLARINO, Juan - TELLEZ, Gabriel. Counterion density profile around a charged disk: From the weak to the strong association regime. In *PHYSICAL REVIEW E*. ISSN 1539-3755, 2015, vol. 91, no. 6, 062140., Registrované v: WOS

ADCA1161 ŠAMAJ, Ladislav - JANCOVICI, B. Wigner-Kirkwood expansion for semi-infinite quantum fluids. In *Journal of Statistical Mechanics-theory and experiment*, 2007, no. 2, p02002. (2006: 2.185 - IF, Q1 - JCR, 0.518 - SJR, Q3 - SJR). ISSN 1742-5468. Dostupné na:
<https://doi.org/10.1088/1742-5468/2007/02/P02002>

Ohlasy:

1. [1.1] VISHNEVSKIY, Yury V. - TIKHONOV, Denis. Quantum corrections to parameters of interatomic distance distributions in molecular dynamics simulations. In *THEORETICAL CHEMISTRY ACCOUNTS*. ISSN 1432-881X, 2016, vol. 135, no. 4, 88., Registrované v: WOS

ADCA1162 ŠAMAJ, Ladislav - PERCUS, J.K. - KOLESIK, M. 2-dimensional one-component plasma at coupling $\Gamma=4$: Numerical study of pair correlations. In *Physical Review E*, 1994, vol. 49, no. 6, p. 5623-5627. (1994 - Current Contents). ISSN 2470-0045.

Ohlasy:

1. [1.1] PABLO MALLARINO, Juan - TELLEZ, Gabriel. Counterion density profile around a charged disk: From the weak to the strong association regime. In *PHYSICAL REVIEW E*. ISSN 1539-3755, 2015, vol. 91, no. 6, 062140., Registrované v: WOS
2. [1.1] SALAZAR, R. - TELLEZ, G. Exact Energy Computation of the One Component Plasma on a Sphere for Even Values of the Coupling Parameter. In *JOURNAL OF STATISTICAL PHYSICS*. ISSN 0022-4715, 2016, vol. 164, no. 4, pp. 969-999., Registrované v: WOS
3. [1.1] SALAZAR, R. - TELLEZ, G. Exact mean-energy expansion of Ginibre's gas for coupling constants $\Gamma=2 \times$ (odd integer). In *PHYSICAL REVIEW E*. ISSN 2470-0045, 2017, vol. 96, no. 6, 062145., Registrované v: WOS

ADCA1163 ŠAŠURA, Marek - BUŽEK, Vladimír. Cold trapped ions as quantum information processors. In *Journal of Modern Optics*, 2002, vol. 49, no. 10, p.

1593-1647. (2002 - Current Contents). ISSN 0950-0340. Dostupné na:
<https://doi.org/10.1080/09500340110115497>

Ohlasy:

1. [1.1] CRISTIAN, Espinel-Lopez - ALVARO, Martinez-Gomez - MARISOL, Aguilar-Echeverria - HIPATIA, Manay-Manay. Evolution of quantum computing components and non-destructive quantum measurements in modern computing. In CIENCIA UNEMI. ISSN 1390-4272, 2018, vol. 11, no. 28, pp. 57-69., Registrované v: WOS
2. [1.1] MIKELSONS, Gatis - COHEN, Itsik - RETZKER, Alex - PLENIO, Martin B. Universal set of gates for microwave dressed-state quantum computing. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2015, vol. 17, 053032., Registrované v: WOS
3. [1.1] NADIKI, Marziyeh Hassani - TAVASSOLY, Mohammad Kazem - YAZDANPANA, Navid. A trapped ion in an optomechanical system: entanglement dynamics. In EUROPEAN PHYSICAL JOURNAL D. ISSN 1434-6060, 2018, vol. 72, no. 6, 10., Registrované v: WOS
4. [1.1] SHORE, Bruce W. Picturing stimulated Raman adiabatic passage: a STIRAP tutorial. In ADVANCES IN OPTICS AND PHOTONICS. ISSN 1943-8206, 2017, vol. 9, no. 3, pp. 563-719., Registrované v: WOS
5. [1.1] YAZDANPANA, Navid - TAVASSOLY, Mohammad Kazem. Dipole-dipole interaction between trapped two-level ions interacting with a quantized field in the Lamb-Dicke regime. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS. ISSN 0740-3224, 2016, vol. 33, no. 3, pp. 382-392., Registrované v: WOS
6. [1.1] YAZDANPANA, N. - TAVASSOLY, M. K. Physical properties of a trapped two-level ion decaying by thermal and squeezed vacuum reservoirs. In JOURNAL OF MODERN OPTICS. ISSN 0950-0340, 2016, vol. 63, no. 2, pp. 111-125., Registrované v: WOS
7. [1.1] YAZDANPANA, N. - TAVASSOLY, M. K. Spectral properties of trapped two-level ions interacting with quantized fields. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 95, no. 6, 063815., Registrované v: WOS
8. [1.1] YAZDANPANA, N. - TAVASSOLY, M. K. Dynamics of the interaction between a trapped three-level ion with a two-mode quantized field in the nonlinear regime in the presence of a Kerr medium. In JOURNAL OF MODERN OPTICS. ISSN 0950-0340, 2017, vol. 64, no. 15, pp. 1463-1478., Registrované v: WOS
9. [1.1] ZHAO, Yan-Jun - LIU, Yu-Long - LIU, Yu-xi - NORI, Franco. Generating nonclassical photon states via longitudinal couplings between superconducting qubits and microwave fields. In PHYSICAL REVIEW A. ISSN 2469-9926, 2015, vol. 91, no. 5, 053820., Registrované v: WOS
10. [1.1] ZHAO, Yan-Jun - WANG, Changqing - ZHU, Xiaobo - LIU, Yu-xi. Engineering entangled microwave photon states through multiphoton interactions between two cavity fields and a superconducting qubit. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2016, vol. 6, 23646., Registrované v: WOS

ADCA1164 ŠAŠURA, Marek - BUŽEK, Vladimír. Multiparticle entanglement with quantum logic networks: Application to cold trapped ions. In *Physical Review A*, 2001, vol. 64, no. 1, p. 012305. (2000: 2.684 - IF). ISSN 1050-2947.

Ohlasy:

1. [1.1] DU, Fang-Fang - SHI, Zhen-Rong. Robust hybrid hyper-controlled-not gates assisted by an input-output process of low-Q cavities. In OPTICS EXPRESS. ISSN 1094-4087, 2019, vol. 27, no. 13, pp. 17493-17506., Registrované v: WOS
2. [1.1] HAN, Jin-Xuan - WU, Jin-Lei - WANG, Yan - JIANG, Yong-Yuan - XIA, Yan - SONG, Jie. Multi-qubit phase gate on multiple resonators mediated by a superconducting bus. In OPTICS EXPRESS. ISSN 1094-4087, 2020, vol. 28, no. 2, pp. 1954-1969., Registrované v: WOS
3. [1.1] LIANG, Yan - JI, Xin - WANG, Hong-Fu - ZHANG, Shou. Deterministic SWAP gate using shortcuts to adiabatic passage. In LASER PHYSICS LETTERS. ISSN 1612-2011, 2015, vol. 12, no. 11, 115201., Registrované v: WOS
4. [1.1] LIANG, Yan - SONG, Chong - JI, Xin - ZHANG, Shou. Fast CNOT gate between two spatially separated atoms via shortcuts to adiabatic passage. In OPTICS EXPRESS. ISSN 1094-4087, 2015, vol. 23, no. 18, pp. 23798., Registrované v: WOS
5. [1.1] LIANG, Yan - WU, Qi-Cheng - SU, Shi-Lei - JI, Xin - ZHANG, Shou. Shortcuts to adiabatic passage for multiqubit controlled-phase gate. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 91, no. 3, 032304., Registrované v: WOS
6. [1.1] LIU, Tong - GUO, Bao-Qing - ZHANG, Yang - YU, Chang-Shui - ZHANG, Wei-Ning. One-step implementation of a multi-target-qubit controlled phase gate in a multi-resonator circuit QED system. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2018, vol. 17, no. 9, UNSP 240., Registrované v: WOS
7. [1.1] SAID, T. - CHOUIKH, A. - BENNAI, M. A Facile Two-Step Method to Implement and Gates in a Circuit QED. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2018, vol. 57, no. 8, pp. 2536-2545., Registrované v: WOS
8. [1.1] SU, S. L. Rydberg quantum controlled-phase gate with one control and multiple target qubits. In CHINESE PHYSICS B. ISSN 1674-1056, 2018, vol. 27, no. 11, 110304., Registrované v: WOS
9. [1.1] WANG, Guan-Yu - LI, Tao - AI, Qing - DENG, Fu-Guo. Self-error-corrected hyperparallel photonic quantum computation working with both the polarization and the spatial-mode degrees of freedom. In OPTICS EXPRESS. ISSN 1094-4087, 2018, vol. 26, no. 18, pp. 23333-+., Registrované v: WOS
10. [1.1] WANG, Taian - ZHANG, Yong. Scalable multi-qubit quantum gates in quantum networks based on the microtoroidal-resonator-mediated nitrogen-vacancy centers in diamond. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS. ISSN 0740-3224, 2020, vol. 37, no. 5, pp. 1372-1378., Registrované v: WOS
11. [1.1] WASEEM, Muhammad - IRFAN, Muhammad - QAMAR, Shahid. Realization of quantum gates with multiple control qubits or multiple target qubits in a cavity. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2015, vol. 14, no. 6, pp. 1869., Registrované v: WOS
12. [1.1] YANG, Chui-Ping - SU, Qi-Ping - ZHANG, Yu - NORI, Franco. Implementing a multi-target-qubit controlled-NOT gate with logical qubits outside a decoherence-free subspace and its application in creating

quantum entangled states. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2020, vol. 101, no. 3, 032329., Registrované v: WOS

13. [1.1] YE, Biaoliang - ZHENG, Zhen-Fei - ZHANG, Yu - YANG, Chui-Ping. Circuit QED: single-step realization of a multiqubit controlled phase gate with one microwave photonic qubit simultaneously controlling n-1 microwave photonic qubits. In *OPTICS EXPRESS*. ISSN 1094-4087, 2018, vol. 26, no. 23, pp. 30689-30702., Registrované v: WOS

14. [1.1] YE, Biaoliang - ZHENG, Zhen-Fei - YANG, Chui-Ping. Multiplex-controlled phase gate with qubits distributed in a multicavity system. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2018, vol. 97, no. 6, 062336., Registrované v: WOS

ADCA1165 ŠAUSĀ, Ondrej - KRIŠTIAK, Jozef - BEREK, Dušan - ISKROVÁ, M. Column packings for high-performance liquid chromatography and positron annihilation lifetime spectroscopy. In *Radiation Physics and Chemistry*, 2007, vol. 76, p. 271 - 274. (2006: 0.868 - IF, Q2 - JCR, 0.419 - SJR, Q2 - SJR). ISSN 0969-806X. Dostupné na: <https://doi.org/10.1016/j.radphyschem.2006.03.049>

Ohlasy:

1. [1.1] LUKESOVA, M. - SVAJDLENKOVA, H. - REUTER, D. - VALIC, S. - LOIDL, A. - BARTOS, J. Spin probe interaction and mobility in confined cyclohexane: Effects of pore size and pore surface composition of silica gel matrices. In *CHEMICAL PHYSICS LETTERS*. ISSN 0009-2614, NOV 16 2019, vol. 735., Registrované v: WOS

2. [1.1] ZALESKI, R. - KRASUCKA, P. - SKRZYPIEC, K. - GOWOREK, J. Macro- and Nanoscopic Studies of Porous Polymer Swelling. In *MACROMOLECULES*. ISSN 0024-9297, JUL 11 2017, vol. 50, no. 13, p. 5080-5089., Registrované v: WOS

ADCA1166 ŠAUSĀ, Ondrej - ISKROVA, M. - MAJERNÍK, V. Nanopores in silica aerogels. In *Acta Physica Polonica A*, 2008, vol. 113, no. 5, p. 1517-1522. (2007: 0.340 - IF, Q4 - JCR, 0.292 - SJR, Q3 - SJR, Current Contents - CCC). (2008 - Current Contents, WOS, SCOPUS). ISSN 1898-794X.

Ohlasy:

1. [1.1] ZALESKI, Radosław - KRASUCKA, Patrycja - SKRZYPIEC, Krzysztof - GOWOREK, Jacek. Macro- and Nanoscopic Studies of Porous Polymer Swelling. In *MACROMOLECULES*. ISSN 0024-9297, 2017, vol. 50, no. 13, pp. 5080-5089., Registrované v: WOS

ADCA1167 ŠEBO, Pavol - MOSER, Zbigniew - ŠVEC, Peter - JANIČKOVIČ, Dušan - DOBROČKA, Edmund - GASIOR, Wladyslaw - PSTRUŠ, Janus. Effect of indium on the microstructure of the interface between Sn₃.13Ag0.74CuIn solder and Cu substrate. In *Journal of Alloys and Compounds*, 2009, vol. 480, no. 2, p. 409-415. (2008: 1.510 - IF, Q1 - JCR, 0.888 - SJR, Q1 - SJR, Current Contents - CCC). (2009 - Current Contents, WOS, SCOPUS). ISSN 0925-8388. Dostupné na: <https://doi.org/10.1016/j.jallcom.2009.02.110>

Ohlasy:

1. [1.1] KANLAYASIRI, K. - SUKPIMAI, K. Effects of indium on the intermetallic layer between low-Ag SAC0307-xIn lead-free solders and Cu substrate. In *JOURNAL OF ALLOYS AND COMPOUNDS*. MAY 25 2016, vol. 668, p. 169-175., Registrované v: WOS

2. [1.1] LIU, Wei - AN, Rong - WANG, Chunqing - ZHENG, Zhen - TIAN, Yanhong - XU, Ronglin - WANG, Zhongtao. Recent Progress in Rapid Sintering of Nanosilver for Electronics Applications. In MICROMACHINES. ISSN 2072-666X, 2018, vol. 9, no. 7, pp., Registrované v: WOS
3. [1.1] WANG, Jingze - MAO, Dongxin - CHEN, Hongtao - ZHANG, Xiaohua - SHI, Lei - WANG, Jianbing. Effect of Zinc Addition on the Evolution of Interfacial Intermetallic Phases at Near-Eutectic 50In-50Sn/Cu Interfaces. In JOURNAL OF ELECTRONIC MATERIALS. ISSN 0361-5235, 2020, vol. 49, no. 2, pp. 1512-1517., Registrované v: WOS
4. [1.1] XIONG, Ming-yue - ZHANG, Liang. Interface reaction and intermetallic compound growth behavior of Sn-Ag-Cu lead-free solder joints on different substrates in electronic packaging. In JOURNAL OF MATERIALS SCIENCE. ISSN 0022-2461, 2019, vol. 54, no. 2, pp. 1741-1768., Registrované v: WOS
5. [1.1] ZENG, G. - MCDONALD, S.D. - GU, Q.F. - TERADA, Y. - UESUGI, K. - YASUDA, H. - NOGITA, K. In ACTA MATERIALIA. JAN 15 2015, vol. 83, p. 357-371., Registrované v: WOS

ADCA1168 ŠEBO, Pavol - ŠVEC, Peter - JANIČKOVIČ, Dušan - ŠTEFÁNIK, Pavol. Influence of thermal cycling on shear strength of Cu-Sn3.5AgIn-Cu joints with various content of indium. In *Journal of Alloys and Compounds*, 2008, vol. 463, p. 168-172. (2007: 1.455 - IF, Q1 - JCR, 0.882 - SJR, Q1 - SJR, Current Contents - CCC). (2008 - Current Contents, WOS, SCOPUS). ISSN 0925-8388.

Ohlasy:

1. [1.1] BEATA, Simekova - ERIKA, Hodulova - INGRID, Kovarikova. Development of SnAgCu solders with Bi and In additions and microstructural characterization of joint interface. In WELDING IN THE WORLD. ISSN 0043-2288, 2017, vol. 61, no. 3, pp. 613-621., Registrované v: WOS
2. [1.1] LI, Mingyu - XIAO, Yong - ZHANG, Zhihao - YU, Jie. Bimodal Sintered Silver Nanoparticle Paste with Ultrahigh Thermal Conductivity and Shear Strength for High Temperature Thermal Interface Material Applications. In ACS APPLIED MATERIALS & INTERFACES. ISSN 1944-8244, 2015, vol. 7, no. 17, pp. 9157-9168., Registrované v: WOS

ADCA1169 ŠEBO, Pavol - ŠVEC, Peter - JANIČKOVIČ, Dušan - ILLEKOVÁ, Emília - PLEVACHUK, Yu. Interface between Sn-Sb-Cu solder and copper substrate. In *Materials Science and Engineering A*, 2011, vol. 528, no. 18, p. 5955-5960. (2010: 2.101 - IF, Q1 - JCR, 1.723 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents). ISSN 0921-5093. Dostupné na: <https://doi.org/10.1016/j.msea.2011.04.008>

Ohlasy:

1. [1.1] ARAINA, Aneta - KOSCIELSKI, Marek - SITEK, Anna - STEPLEWSKI, Wojciech - JANECEK, Kamil - LIPIEC, Krzysztof - RAFALIK, Ireneusz - SITEK, Janusz. Comparison of SAC and new Pb-free solder alloy for special application. In 2020 IEEE 8TH ELECTRONICS SYSTEM-INTEGRATION TECHNOLOGY CONFERENCE (ESTC), 2020, 225079167., Registrované v: WOS
2. [1.1] BI, Xiaoyang - HU, Xiaowu - LI, Yulong - JIANG, Xiongxin. Effect of Bi on microstructure and mechanical properties of Sn-10Sb-1.5Cu (SSC1015) solder alloys. In MATERIALS RESEARCH EXPRESS. ISSN

- 2053-1591, 2019, vol. 6, no. 2, 026565., Registrované v: WOS
3. [1.1] DAI, J. H. - SHI, B. - HU, Z. Z. - QUAN, H. Y. - SONG, Y. Influence of alloying elements on stability and electronic structures of Cu₆Sn₅(010) surface by first principles calculations. In COMPUTATIONAL MATERIALS SCIENCE. ISSN 0927-0256, 2017, vol. 127, no., pp. 230-235., Registrované v: WOS
 4. [1.1] EID, E. A. - DEGHADY, A. M. - FOUDA, A. N. Enhanced microstructural, thermal and tensile characteristics of heat treated Sn-5.0Sb-0.3Cu (SSC-503) Pb-free solder alloy under high pressure. In MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING. ISSN 0921-5093, 2019, vol. 743, pp. 726-732., Registrované v: WOS
 5. [1.1] HAN, Y. D. - GAO, Y. - JING, H. Y. - WEI, J. - ZHAO, L. - XU, L. Y. A modified constitutive model of Ag nanoparticle-modified graphene/Sn-Ag-Cu/Cu solder joints. In MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING. ISSN 0921-5093, 2020, vol. 777, 139080., Registrované v: WOS
 6. [1.1] KOBAYASHI, Tatsuya - MITSUI, Kohei - SHOHJI, Ikuo. Effects of Ni Addition to Sn-5Sb High-Temperature Lead-Free Solder on Its Microstructure and Mechanical Properties. In MATERIALS TRANSACTIONS. ISSN 1345-9678, 2019, vol. 60, no. 6, pp. 888-894., Registrované v: WOS
 7. [1.1] SHEN, Jun - PU, Yayun - WU, Dong - TANG, Qin - ZHAO, Mali. Effects of minor Bi, Ni on the wetting properties, microstructures, and shear properties of Sn-0.7Cu lead-free solder joints. In JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS. ISSN 0957-4522, 2015, vol. 26, no. 3, pp. 1572., Registrované v: WOS
 8. [1.1] YUAN, Ye - CHEN, Xiumin - ZHOU, Zhiqiang - LI, Yifu - XU, Baoqiang - LIU, Dachun - YANG, Bin. Theoretical study on Sn-Sb-based lead-free solder by ab initio molecular dynamics simulation. In JOURNAL OF MATERIALS RESEARCH. ISSN 0884-2914, 2019, vol. 34, no. 14, pp. 2543-2553., Registrované v: WOS

ADCA1170 ŠEBO, Pavol - ŠVEC, Peter - JANIČKOVIČ, Dušan - ILLEKOVÁ, Emília - ZEMÁNKOVÁ, Milina - PLEVACHUK, Yu - SIDOROV, V. - ŠVEC, Peter Jr.. The influence of silver content on structure and properties of Sn-Bi-Ag solder and Cu/solder/Cu joints. In *Materials Science and Engineering A - Structural Materials Properties Microstructure and Processing*, 2013, vol. 571, p. 184-192. (2012: 2.108 - IF, Q1 - JCR, 1.744 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 0921-5093. Dostupné na: <https://doi.org/10.1016/j.msea.2013.02.013>

Ohlasy:

1. [1.1] KANG, Jia-Hui - SHENG, Jia-Li - FU, Xian-Zhu - SUN, Rong - WONG, Ching-Ping. A low-melting-point alloy filled epoxy conductive adhesives as thermal interface materials. In 2017 18TH INTERNATIONAL CONFERENCE ON ELECTRONIC PACKAGING TECHNOLOGY (ICEPT), 2017, vol., no., pp. 831-834., Registrované v: WOS
2. [1.1] LIU, Yang - FU, Haifeng - ZHANG, Hao - SUN, Fenglian - WANG, Xuan - ZHANG, Guoqi. Microstructure, hardness, and shear behavior of the as-soldered SnBi-SAC composite solder pastes. In JOURNAL OF

- MATERIALS SCIENCE-MATERIALS IN ELECTRONICS. ISSN 0957-4522, 2017, vol. 28, no. 24, pp. 19113-19120., Registrované v: WOS
3. [1.1] QIU, Yu - HU, Xiaowu - LI, Yulong - JIANG, Xiongxin. Interfacial reaction between liquid-state Sn-xBi solder and Co substrate. In JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS. ISSN 0957-4522, 2018, vol. 29, no. 11, pp. 9155-9165., Registrované v: WOS
4. [1.1] SATIZABAL, Luz Myrian - COSTA, Diego - HAINICK, Guilherme Ottamr - MOURA, Diego Rodrigo - BORTOLOZO, Ausdinir Danilo - OSORIO, Wislei Riuper. Microstructural and Hardness Evaluations of a Centrifuged Sn-22Pb Casting Alloy Compared with a Lead-Free SnAg Alloy. In METALLURGICAL AND MATERIALS TRANSACTIONS A-PHYSICAL METALLURGY AND MATERIALS SCIENCE. ISSN 1073-5623, 2017, vol. 48A, no. 4, pp. 1880-1892., Registrované v: WOS
5. [1.1] SILVA, Bismarck L. - GARCIA, Amauri - SPINELLI, Jose E. Cooling thermal parameters and microstructure features of directionally solidified ternary Sn-Bi-(Cu,Ag) solder alloys. In MATERIALS CHARACTERIZATION. ISSN 1044-5803, 2016, vol. 114, no., pp. 30-42., Registrované v: WOS
6. [1.1] WANG, Fengjiang - CHEN, Hong - HUANG, Ying - LIU, Luting - ZHANG, Zhijie. Recent progress on the development of Sn-Bi based low-temperature Pb-free solders. In JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS. ISSN 0957-4522, 2019, vol. 30, no. 4, pp. 3222-3243., Registrované v: WOS
7. [1.1] WANG, Z. - ZHANG, Q. K. - CHEN, Y. X. - SONG, Z. L. Influences of Ag and In alloying on Sn-Bi eutectic solder and SnBi/Cu solder joints. In JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS. ISSN 0957-4522, 2019, vol. 30, no. 20, pp. 18524-18538., Registrované v: WOS
8. [1.1] XU, Bingsheng - CHEN, Junwei - YUAN, Zhangfu - ZANG, Likun - ZHANG, Lina - WU, Yan. Spreading Dynamics and Interfacial Characteristics of Sn-3.0Ag-0.5Cu-xBi Melting on Cu Substrates. In MICROGRAVITY SCIENCE AND TECHNOLOGY. ISSN 0938-0108, 2016, vol. 28, no. 2, pp. 115-122., Registrované v: WOS
9. [1.1] XU, Kai-Kai - ZHANG, Liang - GAO, Li-Li - JIANG, Nan - ZHANG, Lei - ZHONG, Su-Juan. Review of microstructure and properties of low temperature lead-free solder in electronic packaging. In SCIENCE AND TECHNOLOGY OF ADVANCED MATERIALS. ISSN 1468-6996, 2020, vol. 21, no. 1, pp. 689-711., Registrované v: WOS
10. [1.2] YANG, Bin - CHEN, Jianming - WU, Shanjiang - LI, Mingmao - ZHANG, Jianbo. Study on Wetting Shearing Properties and Interface Compounds of Sn-58Bi-(0-3)Ga/Cu. In Cailiao Daobao/Materials Review. ISSN 1005023X, 2017-07-25, 31, 7, pp., Registrované v: SCOPUS
11. [1.2] YANG, Xiaolin - XU, Bingsheng - HOU, Shan - LIU, Ren - ZHAO, Xuezhi. Study on the Spreading Characteristics of the Solder Sn-3.0Ag-0.5Cu on an Inverted V-shaped Substrate. In E3S Web of Conferences. ISSN 25550403, 2020-02-06, 145, pp. Dostupné na: <https://doi.org/10.1051/e3sconf/202014502069>., Registrované v: SCOPUS

ADCA1171 ŠIFFALOVIČ, Peter - BADANOVÁ, Dominika - VOJTKO, Andrej - JERGEL, Matej - HODAS, Martin - PELLETTA, Marco - SABOL, D. - MACHA, M. - MAJKOVÁ, Eva. Evaluation of low-cadmium ZnCdSeS alloyed quantum dots

for remote phosphor solid-state lighting technology. In *Applied Optics*, 2015, vol. 54, no. 23, p. 7094-7098. (2014: 1.784 - IF, Q2 - JCR, 1.047 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents). ISSN 0003-6935. Dostupné na: <https://doi.org/10.1364/AO.54.007094>

Ohlasy:

1. [1.1] PEI, Naiqi - YU, Xingjian - ZHOU, Shuling - HU, Run - LUO, Xiaobing. Experimental Investigation on the Moisture Stability of QDs-LEDs With Layered Packaging Structure. In *IEEE PHOTONICS TECHNOLOGY LETTERS*. ISSN 1041-1135, 2020, vol. 32, no. 22, pp. 1423-1426., Registrované v: WOS
2. [1.1] SAATSAKIS, George - KALYVAS, Nektarios - MICHAIL, Christos - NINOS, Konstantinos - BAKAS, Athanasios - FOUNTZOULA, Christina - SIANOUDIS, Ioannis - KARPETAS, George E. - FOUNTOS, George - KANDARAKIS, Ioannis - VALAIS, Ioannis - PANAYIOTAKIS, George. Optical Characteristics of ZnCuInS/ZnS (Core/Shell) Nanocrystal Flexible Films Under X-Ray Excitation. In *CRYSTALS*. ISSN 2073-4352, 2019, vol. 9, no. 7, 343., Registrované v: WOS
3. [1.1] SAATSAKIS, George - MICHAIL, Christos - FOUNTZOULA, Christina - KALYVAS, Nektarios - NINOS, Konstantinos - BAKAS, Athanasios - SIANOUDIS, Ioannis - KANDARAKIS, Ioannis - FOUNTOS, George - PANAYIOTAKIS, George - VALAIS, Ioannis. Luminescence Efficiency of Zn-Cu-In-S / ZnS Quantum Dot films. In *2019 14TH IEEE INTERNATIONAL CONFERENCE ON DESIGN & TECHNOLOGY OF INTEGRATED SYSTEMS IN NANOSCALE ERA (DTIS 2019)*, 2019., Registrované v: WOS
4. [1.1] VALAIS, Ioannis - MICHAIL, Christos - FOUNTZOULA, Christine - et al. On the response of alloyed ZnCdSeS quantum dot films. In *RESULTS IN PHYSICS*, 2017, vol. 7, p. 1734-1736., Registrované v: WOS
5. [1.1] VALAIS, I. - MICHAIL, C. - FOUNTZOULA, C. - TSELES, D. - YANNAKOPOULOS, P. - NIKOLOPOULOS, D. - BAKAS, A. - FOUNTOS, G. - SAATSAKIS, G. - SIANOUDIS, I. - KANDARAKIS, I. - PANAYIOTAKIS, G. On the response of alloyed ZnCdSeS quantum dot films. In *RESULTS IN PHYSICS*. ISSN 2211-3797, 2017, vol. 7, pp. 1734-1736., Registrované v: WOS
6. [3.1] JAMSHIDI ZAVARAKI, Asghar. Engineering Multicomponent Nanostructures for MOSFET, Photonic Detector and Hybrid Solar Cell Applications. In *DOCTORAL THESIS AT KTH, SCHOOL OF BIOTECHNOLOGY (BIO), THEORETICAL CHEMISTRY AND BIOLOGY*, 2015.
7. [3.1] ZHU, YongMing - XIE, Bin - LUO, Xiaobing. Progress and expectation of quantum dots converted light emitting diode package. In *CHINESE SCIENCE BULLETIN*, 2017, Vol. 62, No. 7, P. 659-673.

ADCA1172

ŠIFFALOVIČ, Peter - DRESCHER, M. - HEINZMANN, U.

Femtosecond time-resolved core-level photoelectron spectroscopy tracking surface photovoltage transients on p-GaAs. In *Europhysics Letters*, 2002, vol. 60, no. 6, p. 924-930. (2001: 2.256 - IF, Current Contents - CCC). (2002 - Current Contents). ISSN 0295-5075. Dostupné na: <https://doi.org/10.1209/epl/i2002-00306-3>

Ohlasy:

1. [1.1] AL-OBAIDI, R. - WILKE, M. - BORGWARDT, M. - METJE, J. - MOGUILEVSKI, A. - ENGEL, N. - TOLKSDORF, D. - RAHEEM, A. -

- KAMPEN, T. - MAEHL, S. - KIYAN, I. Yu - AZIZ, E. F. Ultrafast photoelectron spectroscopy of solutions: space-charge effect. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2015, vol. 17, 093016., Registrované v: WOS
2. [1.1] BRAUN, J. - RAUSCH, R. - POTTHOFF, M. - MINAR, J. - EBERT, H. One-step theory of pump-probe photoemission. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 91, no. 3, 035119., Registrované v: WOS
3. [1.1] NEPPL, Stefan - GESSNER, Oliver. Time-resolved X-ray photoelectron spectroscopy techniques for the study of interfacial charge dynamics. In JOURNAL OF ELECTRON SPECTROSCOPY AND RELATED PHENOMENA. ISSN 0368-2048, 2015, vol. 200, pp. 64-77., Registrované v: WOS
4. [1.1] OGURI, Katsuya - TSUNOI, Takanobu - KATO, Keiko - NAKANO, Hidetoshi - NISHIKAWA, Tadashi - TATENO, Kouta - SOGAWA, Tetsuomi - GOTOH, Hideki. Dynamical observation of photo-Dember effect on semi-insulating GaAs using femtosecond core-level photoelectron spectroscopy. In APPLIED PHYSICS EXPRESS. ISSN 1882-0778, 2015, vol. 8, no. 2, 022401., Registrované v: WOS
5. [1.1] SISE, Omer - ZOUROS, Theo J. M. Position, Energy, and Transit Time Distributions in a Hemispherical Deflector Analyzer with Position Sensitive Detector. In JOURNAL OF SPECTROSCOPY. ISSN 2314-4920, 2015, 153513., Registrované v: WOS
6. [1.1] YAMAMOTO, T. - ISHIDA, Y. - YOSHIDA, R. - OKAWA, M. - OKAZAKI, K. - KANAI, T. - KIKKAWA, A. - TAGUCHI, Y. - KISS, T. - ISHIZAKA, K. - ISHII, N. - ITATANI, J. - WATANABE, S. - TOKURA, Y. - SAITOH, T. - SHIN, S. Nonequilibrium electronic and phonon dynamics of Cu_{0.17}Bi₂Se₃ investigated by core-level and valence-band time-resolved photoemission spectroscopy. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 92, no. 12, 121106., Registrované v: WOS

ADCA1173 ŠIFFALOVIČ, Peter - MAJKOVÁ, Eva - CHITU, Livia - JERGEL, Matej - LUBY, Štefan - KECKES, J. - MAIER, G. - TIMMANN, A. - ROTH, S.V. - TSURU, T. - HARADA, T. - YAMAMOTO, M. - HEINZMANN, U. Characterization of Mo/Si soft X-ray multilayer mirrors by grazing-incidence small-angle X-ray scattering. In *Vacuum*, 2009, vol. 84, no. 1, p. 19-25. (2008: 1.114 - IF, Q3 - JCR, 0.566 - SJR, Q2 - SJR, Current Contents - CCC). (2009 - Current Contents). ISSN 0042-207X. Dostupné na: <https://doi.org/10.1016/j.vacuum.2009.04.026>

Ohlasy:

1. [1.1] HU, Yangsen - HU, Zhiyu. Ultra-low thermal conductivity on Si/Au multilayer films with metal layer thickness below 8 nm. In SUPERLATTICES AND MICROSTRUCTURES. ISSN 0749-6036, 2017, vol. 110, pp. 265-272., Registrované v: WOS
2. [1.1] HU, Yangsen - WU, Zhenghua - YE, Fengjie - HU, Zhiyu. Effects of interfaces on the thermal conductivity in Si/Si_{0.75}Ge_{0.25} multilayer with varying Au layers. In MATERIALS RESEARCH EXPRESS. ISSN 2053-1591, 2018, vol. 5, no. 2, 026415., Registrované v: WOS
3. [1.1] JIANG, Hui - HUA, Wenqiang - TIAN, Naxi - LI, Aiguo - LI, Xiuhong - HE, Yumei - ZHANG, Zengyan. In situ GISAXS study on the

- temperature-dependent performance of multilayer monochromators from the liquid nitrogen cooling temperature to 600 degrees C. In APPLIED SURFACE SCIENCE. ISSN 0169-4332, 2020, vol. 508, 144838., Registrované v: WOS
4. [1.1] JIANG, Hui - YAN, Shuai - LIANG, Dongxu - TIAN, Naxi - WANG, Hua - LI, Aiguo. X-ray multilayer mid-frequency characterizations using speckle scanning techniques. In ADVANCES IN METROLOGY FOR X-RAY AND EUV OPTICS VII. ISSN 0277-786X, 2017, vol. 10385, UNSP 103850Q., Registrované v: WOS
 5. [1.1] JIANG, Hui - YA, Shuai - TIAN, Naxi - LIANG, Dongxu - DONG, Zhaohui - ZHENG, Yi. Extraction of medium-spatial-frequency interfacial waviness and inner structure from X-ray multilayers using the speckle scanning technique. In OPTICAL MATERIALS EXPRESS. ISSN 2159-3930, 2019, vol. 9, no. 7, pp. 2878-2891., Registrované v: WOS
 6. [1.1] MARUYAMA, R. et al. Study of the in-plane magnetic structure of a layered system using polarized neutron scattering under grazing incidence geometry. In NUCLAR INSTRUMENTS AND METHODS IN PHYS. RESEARCH A, 2016, vol. 819, pp. 37-53., Registrované v: WOS
 7. [1.1] MEDVEDEV, R. V. - NIKOLAEV, K. V. - ZAMESHIN, A. A. - IJPES, D. - MAKHOTKIN, I. A. - YAKUNIN, S. N. - YAKSHIN, A. E. - BIJKERK, F. Low-energy ion polishing of Si in W/Si soft X-ray multilayer structures. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2019, vol. 126, no. 4, 045302., Registrované v: WOS
 8. [1.1] NIKOLAEV, K. - YAKUNIN, S. N. - MAKHOTKIN, I. A. - DE LA RIE, J. - MEDVEDEV, R. - ROGACHEV, A. - TRUNCKIN, I. N. - VASILIEV, A. L. - HENDRIKX, C. P. - GATESHKI, M. - VAN DE KRUIJS, R. W. E. - BIJKERK, F. Grazing-incidence small-angle X-ray scattering study of correlated lateral density fluctuations in W/Si multilayers. In ACTA CRYSTALLOGRAPHICA A-FOUNDATION AND ADVANCES. ISSN 2053-2733, 2019, vol. 75, pp. 342-351., Registrované v: WOS
 9. [1.1] PIVAC, Branko - DUBCEK, Pavo - DASOVIC, Jasna - POPOVIC, Jasminka - RADIC, Nikola - BERNSTORFF, Sigrid - ZAVASNIK, Janez - VLAHOVIC, Branislav. Stress Evolution during Ge Nanoparticles Growth in a SiO₂ Matrix. In INORGANIC CHEMISTRY. ISSN 0020-1669, 2018, vol. 57, no. 23, pp. 14939-14952., Registrované v: WOS
 10. [1.1] PRADHAN, P. C. - MAJHI, A. - NAYAK, M. - NAND, Mangla - RAJPUT, P. - SHUKLA, D. K. - BISWAS, A. - RAI, S. K. - JHA, S. N. - BHATTACHARYYA, D. - PHASE, D. M. - SAHOO, N. K. Interface structure in nanoscale multilayers near continuous-to-discontinuous regime. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2016, vol. 120, no. 4, 045308., Registrované v: WOS
 11. [1.1] RAGULSKAYA, A. - ANDREEVA, M. A. - ROGACHEV, A. - YAKUNIN, S. N. The investigation of [Fe/Cr] multilayer by GISAXS. In SUPERLATTICES AND MICROSTRUCTURES. ISSN 0749-6036, 2019, vol. 125, pp. 16-25., Registrované v: WOS
 12. [1.1] SALAMON, K. - DUBCEK, P. - DRAZIC, G. - BERNSTORFF, S. - RADIC, N. Lateral inhomogeneities in W/C multilayer mirrors. In THIN SOLID FILMS. ISSN 0040-6090, 2019, vol. 691, 137611., Registrované v: WOS
 13. [3.1] HU, Z. - WU, Z. Research Background and Current Situation. In

- ADCA1174 ŠIFFALOVIČ, Peter - JERGEL, Matej - CHITU, Livia - MAJKOVÁ, Eva - MATKO, Igor - LUBY, Štefan - TIMMANN, A. - VOLKER ROTH, S. - KECKES, J. - MAIER, G.A. - HEMBD, A. - HERTLEIN, F. - WIESMANN, J. Interface study of a high-performance W/B4C X-ray mirror. In *Journal of Applied Crystallography*, 2010, vol. 43, p. 1431-1439. (2009: 3.018 - IF, 3.265 - SJR, Q1 - SJR, Current Contents - CCC). (2010 - Current Contents, WOS, SCOPUS). ISSN 0021-8898. Dostupné na: <https://doi.org/10.1107/S0021889810036782>
- Ohlasy:
1. [1.1] DAS, Gangadhar - KARYDAS, A. G. - GHOSH, Haranath - CZYZYCKI, M. - MIGLIORI, A. - SINHA, A. K. - TIWARI, M. K. Depth-resolved chemical speciation of a W-B4C multilayer structure. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2017, vol. 96, no. 15, 155444., Registrované v: WOS
 2. [1.1] DAS, Gangadhar - KHOOHA, Ajay - SINGH, A. K. - SRIVASTAVA, A. K. - TIWARI, M. K. Exploring interface morphology of a deeply buried layer in periodic multilayer. In *APPLIED PHYSICS LETTERS*. ISSN 0003-6951, 2016, vol. 108, no. 26, 263109., Registrované v: WOS
 3. [1.1] FRITZ-POPOVSKI, Gerhard - BODNER, Sabine C. - SOSADA-LUDWIKOWSKA, Florentyna - MAIER, Guenther A. - MORAK, Roland - CHITU, Livia - BRUEGEMANN, Lutz - LANGE, Joachim - KRANE, Hans-Georg - PARIS, Oskar. A new device for high-temperature in situ GISAXS measurements. In *REVIEW OF SCIENTIFIC INSTRUMENTS*. ISSN 0034-6748, 2018, vol. 89, no. 3, 035103., Registrované v: WOS
 4. [1.1] JIANG, Hui - HUA, Wenqiang - TIAN, Naxi - LI, Aiguo - LI, Xiuhong - HE, Yumei - ZHANG, Zengyan. In situ GISAXS study on the temperature-dependent performance of multilayer monochromators from the liquid nitrogen cooling temperature to 600 degrees C. In *APPLIED SURFACE SCIENCE*. ISSN 0169-4332, 2020, vol. 508, 144838., Registrované v: WOS
 5. [1.1] KOPYLETS, Igor - DEVIZENKO, Oleksander - ZUBAREV, Evgeniy - KONDRATENKO, Valeriy - ARTYUKOV, Igor - VINOGRADOV, Alexander - PENKOV, Oleksiy. Short-Period Multilayer X-ray Mirrors for "Water" and "Carbon Windows" Wavelengths. In *JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY*. ISSN 1533-4880, 2019, vol. 19, no. 1, pp. 518-531., Registrované v: WOS
 6. [1.1] MAJHI, A. - DILLIWAR, M. - PRADHAN, P. C. - JENA, S. - NAYAK, M. - SINGH, M. N. - UDUPA, D. V. - SAHOO, N. K. Evaluation of microstructure and residual stress in W/B4C multilayer optics. In *JOURNAL OF APPLIED PHYSICS*. ISSN 0021-8979, 2018, vol. 124, no. 11, 115306., Registrované v: WOS
 7. [1.1] PRADHAN, P. C. - MAJHI, A. - NAYAK, M. - NAND, Mangla - RAJPUT, P. - SHUKLA, D. K. - BISWAS, A. - RAI, S. K. - JHA, S. N. - BHATTACHARYYA, D. - PHASE, D. M. - SAHOO, N. K. Interface structure in nanoscale multilayers near continuous-to-discontinuous regime. In *JOURNAL OF APPLIED PHYSICS*. ISSN 0021-8979, 2016, vol. 120, no. 4, 045308., Registrované v: WOS
 8. [1.1] RAO, P. N. - RAI, S. K. - SINHA, A. K. - SINGH, M. N. - LODHA, G. S. Thermally induced interface changes in W/B4C multilayers. In

THIN SOLID FILMS. ISSN 0040-6090, 2015, vol. 589, pp. 268-271.,
Registrované v: WOS

9. [1.1] SALAMON, Kresimir - BULJAN, Maja - SARIC, Iva -
PETRAVIC, Mladen - BERNSTORFF, Sigrid. Ta₂N₃ nanocrystals grown in
Al₂O₃ thin layers. In BEILSTEIN JOURNAL OF NANOTECHNOLOGY. ISSN
2190-4286, 2017, vol. 8, pp. 2162-2170., Registrované v: WOS

ADCA1175 ŠIFFALOVIČ, Peter - CHITU, Livia - MAJKOVÁ, Eva - VÉGSO,
Karol - JERGEL, Matej - LUBY, Štefan - CAPEK, Ignác - SATKA, A. - MAIER,
G.A. - KECKES, J. - TIMMANN, A. - ROTH, S.V. Kinetics of nanoparticle
reassembly mediated by UV-photolysis of surfactant. In *Langmuir*, 2010, vol. 26,
no. 8, p. 5451-5455. (2009: 3.898 - IF, 2.164 - SJR, Q1 - SJR, Current Contents -
CCC). (2010 - Current Contents). ISSN 0743-7463. Dostupné na:
<https://doi.org/10.1021/la904636g>

Ohlasy:

1. [1.1] WANG, Kai - YI, Chao - LIU, Chang - HU, Xiaowen -
CHUANG, Steven - GONG, Xiong. Effects of Magnetic Nanoparticles and
External Magnetostatic Field on the Bulk Heterojunction Polymer Solar Cells. In
SCIENTIFIC REPORTS. ISSN 2045-2322, 2015, vol. 5, 9255., Registrované v:
WOS

2. [1.1] ZHANG, H.H. - WANG, W.J. - MALLAPRAGADA, S. -
TRAVERSETT, A. - VAKNIN, D. Macroscopic and tunable nanoparticle
superlattices. In NANOSCALE. ISSN 2040-3364, JAN 7 2017, vol. 9, no. 1, p.
164-171., Registrované v: WOS

ADCA1176 ŠIFFALOVIČ, Peter - DRESCHER, M. - SPEIWECK, M. -
WIESENTHAL, T. - LIM, Y.C. - WEIDNER, R. - ELIZAROV, A. -
HEINZMANN, U. Laser-based apparatus for extended ultraviolet femtosecond
time-resolved photoemission. In *Review of Scientific Instruments*, 2001, vol. 72, no.
1, p. 30-35. (2000: 1.239 - IF). ISSN 0034-6748. Dostupné na:
<https://doi.org/10.1063/1.1329904>

Ohlasy:

1. [1.1] CHIANG, Cheng-Tien - HUTH, Michael - TRUETZSCHLER,
Andreas - SCHUMANN, Frank O. - KIRSCHNER, Juergen - WIDDRA, Wolf.
Efficient and tunable high-order harmonic light sources for photoelectron
spectroscopy at surfaces. In JOURNAL OF ELECTRON SPECTROSCOPY
AND RELATED PHENOMENA. ISSN 0368-2048, 2015, vol. 200, pp. 15.,
Registrované v: WOS

2. [1.1] OGURI, Katsuya - TSUNOI, Takanobu - KATO, Keiko -
NAKANO, Hidetoshi - NISHIKAWA, Tadashi - TATENO, Kouta - SOGAWA,
Tetsuomi - GOTOH, Hideki. Dynamical observation of photo-Dember effect on
semi-insulating GaAs using femtosecond core-level photoelectron spectroscopy.
In APPLIED PHYSICS EXPRESS. ISSN 1882-0778, 2015, vol. 8, no. 2,
022401., Registrované v: WOS

ADCA1177 ŠIFFALOVIČ, Peter - MAJKOVÁ, Eva - CHITU, Livia - JERGEL,
Matej - LUBY, Štefan - CAPEK, Ignác - ŠATKA, A. - TIMMANN, A. - ROTH,
S.V. Real-time tracking of superparamagnetic nanoparticle self-assembly. In *Small*,
2008, vol. 4, no. 12, p. 2222 - 2228. (2007: 6.408 - IF, Q1 - JCR, 3.345 - SJR, Q1 -

SJR, Current Contents - CCC). (2008 - Current Contents). ISSN 1613-6810.
Dostupné na: <https://doi.org/10.1002/sml.200800353>

Ohlasy:

1. [1.1] AGTHE, M. - PLIVELIC, T.S. - LABRADOR, A. - BERGSTROM, L. - SALAZAR-ALVAREZ, G. Following in Real Time the Two-Step Assembly of Nanoparticles into Mesocrystals in Levitating Drops. In NANO LETTERS. ISSN 1530-6984, NOV 2016, vol. 16, no. 11, p. 6838-6843., Registrované v: WOS
2. [1.1] JOSTEN, E. - WETTERSKOG, E. - GLAVIC, A. - BOESECKE, P. - FEOKTYSTOV, A. - BRAUWEILER-REUTERS, E. - RUCKER, U. - SALAZAR-ALVAREZ, G. - BRUCKEL, T. - BERGSTROM, L. Superlattice growth and rearrangement during evaporation-induced nanoparticle self-assembly. In SCIENTIFIC REPORTS. ISSN 2045-2322, JUN 5 2017, vol. 7., Registrované v: WOS
3. [1.1] UGUR, S. - DYLMISHI, E. - ELAISSAARI, A. - SOZERI, H. Investigation of optical, film formation, and magnetic properties of PS latex/SP-MNPs composites. In POLYMER COMPOSITES. ISSN 0272-8397, 2019, vol. 40, no. 3, pp. 1018-1033., Registrované v: WOS
4. [1.1] UKLEEV, V. - KHASSANOV, A. - SNIGIREVA, I. - KONOVALOV, O. - VOROBIEV, A. X-ray scattering characterization of iron oxide nanoparticles Langmuir film on water surface and on a solid substrate. In THIN SOLID FILMS. ISSN 0040-6090, OCT 1 2016, vol. 616, p. 43-47., Registrované v: WOS
5. [1.1] VOROBIEV, A. - KHASSANOV, A. - UKLEEV, V. - SNIGIREVA, I. - KONOVALOV, O. Substantial Difference in Ordering of 10, 15, and 20 nm Iron Oxide Nanoparticles on a Water Surface: In Situ Characterization by the Grazing Incidence X-ray Scattering. In LANGMUIR. ISSN 0743-7463, OCT 27 2015, vol. 31, no. 42, p. 11639-11648., Registrované v: WOS
6. [1.1] YE, L. - PEARSON, T. - CORDEAU, Y. - MEFFORD, O.T. - CRAWFORD, T.M. Triggered self-assembly of magnetic nanoparticles. In SCIENTIFIC REPORTS. ISSN 2045-2322, MAR 15 2016, vol. 6., Registrované v: WOS
7. [1.1] ZHANG, D.T. - LU, C.G. - HU, J.Y. - LEE, S.W. - YE, F. - HERMAN, I.P. Small Angle X-ray Scattering of Iron Oxide Nanoparticle Monolayers Formed on a Liquid Surface. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, MAY 14 2015, vol. 119, no. 19, p. 10727-10733., Registrované v: WOS
8. [1.2] CRAWFORD, T. M. Self-Assembled magnetic materials. In Comprehensive Supramolecular Chemistry II, 2017-06-22, 9, pp. 257-272., Registrované v: SCOPUS

ADCA1178 ŠIFFALOVIČ, Peter - VÉGSO, Karol - HOFBAUEROVÁ, Monika, Benkovičová - JERGEL, Matej - VOJTKO, Andrej - HODAS, Martin - LUBY, Štefan - LEE, Hsin-Yi - KU, Man-Ling - JENG, U-Ser - SU, Chun-jen - MAJKOVÁ, Eva. Reassembly and oxidation of a silver nanoparticle bilayer probed by in situ x-ray reciprocal space mapping. In *Journal of Physical Chemistry C*, 2014, vol. 118, p. 7195-7201. (2013: 4.835 - IF, Q1 - JCR, 2.134 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1932-7447.
Dostupné na: <https://doi.org/10.1021/jp4127573>

Ohlasy:

1. [1.1] LIU, Kong - LI, Huanyuan - LU, Yuan - WANG, Ruijuan - BEI, Fengli - LU, Lude - HAN, Qiaofeng - WU, Xiaodong. A completely controlled sphere-to-bilayer micellar transition: the molecular mechanism and application on the growth of nanosheets. In *SOFT MATTER*. ISSN 1744-683X, 2016, vol. 12, no. 16, pp. 3703-3709., Registrované v: WOS

ADCA1179 ŠIFFALOVIČ, Peter - MAJKOVÁ, Eva - CHITU, Livia - JERDEL, Matej - LUBY, Štefan - ŠATKA, A. - ROTH, S.V. Self-assembly of iron oxide nanoparticles studied by time-resolved grazing-incidence small-angle x-ray scattering. In *Physical Review B*, 2007, vol. 76, no. 19, 195432. (2006: 3.107 - IF, Q1 - JCR, 2.620 - SJR, Q1 - SJR, Current Contents - CCC). (2007 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.76.195432>

Ohlasy:

1. [1.1] INGHAM, Bridget. X-ray scattering characterisation of nanoparticles. In *CRYSTALLOGRAPHY REVIEWS*. ISSN 0889-311X, 2015, vol. 21, no. 4, pp. 229., Registrované v: WOS
2. [1.1] JOSTEN, Elisabeth - WETTERSKOG, Erik - GLAVIC, Artur - BOESECKE, Peter - FEOKTYSTOV, Artem - BRAUWEILER-REUTERS, Elke - RUECKER, Ulrich - SALAZAR-ALVAREZ, German - BRUECKEL, Thomas - BERGSTROM, Lennart. Superlattice growth and rearrangement during evaporation-induced nanoparticle self-assembly. In *SCIENTIFIC REPORTS*. ISSN 2045-2322, 2017, vol. 7, 2802., Registrované v: WOS
3. [1.1] KIM, Byung Hyo - YANG, Jiwoong - LEE, Donghoo - CHOI, Back Kyu - HYEON, Taeghwan - PARK, Jungwon. Liquid-Phase Transmission Electron Microscopy for Studying Colloidal Inorganic Nanoparticles. In *ADVANCED MATERIALS*. ISSN 0935-9648, 2018, vol. 30, no. 4, 1703316., Registrované v: WOS
4. [1.1] LI, Tao - SENESI, Andrew J. - LEE, Byeongdu. Small Angle X-ray Scattering for Nanoparticle Research. In *CHEMICAL REVIEWS*. ISSN 0009-2665, 2016, vol. 116, no. 18, pp. 11128-11180., Registrované v: WOS
5. [1.1] MAITI, Santanu - ANDRE, Alexander - BANERJEE, Rupak - HAGENLOCHER, Jan - KONOVALOV, Oleg - SCHREIBER, Frank - SCHEELE, Marcus. Monitoring Self-Assembly and Ligand Exchange of PbS Nanocrystal Superlattices at the Liquid/Air Interface in Real Time. In *JOURNAL OF PHYSICAL CHEMISTRY LETTERS*. ISSN 1948-7185, 2018, vol. 9, no. 4, pp. 739-744., Registrované v: WOS
6. [1.1] UKLEEV, V. - KHASSANOV, A. - SNIGIREVA, I. - KONOVALOV, O. - VOROBIEV, A. X-ray scattering characterization of iron oxide nanoparticles Langmuir film on water surface and on a solid substrate. In *THIN SOLID FILMS*. ISSN 0040-6090, 2016, vol. 616, pp. 43-47., Registrované v: WOS
7. [1.1] ULLAH, Hameed - BATISSE, Nicolas - GUERIN, Katia - ROGEZ, Guillaume - BONNET, Pierre. Synthesis of NiF₂ and NiF₂ center dot 4H₂O Nanoparticles by Microemulsion and Their Self-Assembly. In *LANGMUIR*. ISSN 0743-7463, 2020, vol. 36, no. 29, pp. 8461-8475. Dostupné na: <https://doi.org/10.1021/acs.langmuir.0c00889>., Registrované v: WOS
8. [1.1] VOROBIEV, A. - KHASSANOV, A. - UKLEEV, V. - SNIGIREVA, I. - KONOVALOV, O. Substantial Difference in Ordering of 10,

15, and 20 nm Iron Oxide Nanoparticles on a Water Surface: In Situ Characterization by the Grazing Incidence X-ray Scattering. In *LANGMUIR*. ISSN 0743-7463, 2015, vol. 31, no. 42, pp. 11639., Registrované v: WOS
 9. [1.1] WU, Yulian - CHEN, Xin - LI, Chang - FANG, Jiali - LIU, Haiyang. In situ liquid cell TEM observation of solution-mediated interaction behaviour of Au/CdS nanoclusters. In *NEW JOURNAL OF CHEMISTRY*. ISSN 1144-0546, 2019, vol. 43, no. 32, pp. 12548-12554., Registrované v: WOS

ADCA1180 ŠIFFALOVIČ, Peter - JERGEL, Matej - HOFBAUEROVÁ, Monika, Benkovičová - VOJTKO, Andrej - NÁDAŽDY, Vojtech - IVANČO, Ján - BODÍK, M. - DEMYDENKO, M. - MAJKOVÁ, Eva. Towards new multifunctional coatings for organic photovoltaics. In *Solar Energy Materials and Solar Cells*, 2014, vol. 125, p. 127-132. (2013: 5.030 - IF, Q1 - JCR, 2.174 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents). ISSN 0927-0248. Dostupné na: <https://doi.org/10.1016/j.solmat.2014.03.001>

Ohlasy:

1. [1.1] BELLA, Federico - GRIFFINI, Gianmarco - GEROSA, Matteo - TURRI, Stefano - BONGIOVANNI, Roberta. Performance and stability improvements for dye-sensitized solar cells in the presence of luminescent coatings. In *JOURNAL OF POWER SOURCES*. ISSN 0378-7753, 2015, vol. 283, pp. 195-203., Registrované v: WOS
2. [1.1] BUTLER, James J. - GEORGIEV, Georgi T. - COOKSEY, Catherine C. Comparison of bidirectional transmittance distribution function (BTDF) measurements on fused silica and sintered polytetrafluoroethylene diffusers. In *METROLOGIA*. ISSN 0026-1394, 2019, vol. 56, no. 6, 065008., Registrované v: WOS
3. [1.1] CUI, Jin - LI, Pengfei - CHEN, Zhifan - CAO, Kun - LI, Dan - HAN, Junbo - SHEN, Yan - PENG, Mingying - FU, Yong Qing - WANG, Mingkui. Phosphor coated NiO-based planar inverted organometallic halide perovskite solar cells with enhanced efficiency and stability. In *APPLIED PHYSICS LETTERS*. ISSN 0003-6951, 2016, vol. 109, no. 17, 171103., Registrované v: WOS
4. [1.1] GORE, Prakash M. - ZACHARIAH, Susan - GUPTA, Prashant - BALASUBRAMANIAN, K. Multifunctional nano-engineered and bio-mimicking smart superhydrophobic reticulated ABS/fumed silica composite thin films with heat-sinking applications. In *RSC ADVANCES*. ISSN 2046-2069, 2016, vol. 6, no. 107, pp. 105180-105191., Registrované v: WOS
5. [1.1] GRIFFINI, Gianmarco - BELLA, Federico - NISIC, Filippo - DRAGONETTI, Claudia - ROBERTO, Dominique - LEVI, Marinella - BONGIOVANNI, Roberta - TURRI, Stefano. Multifunctional Luminescent Down-Shifting Fluoropolymer Coatings: A Straightforward Strategy to Improve the UV-Light Harvesting Ability and Long-Term Outdoor Stability of Organic Dye-Sensitized Solar Cells. In *ADVANCED ENERGY MATERIALS*. ISSN 1614-6832, 2015, vol. 5, no. 3, 01312., Registrované v: WOS
6. [1.1] LI, Wei - TAN, Xinyu - ZHU, Jinlin - XIANG, Peng - XIAO, Ting - TIAN, Lihong - YANG, Aibi - WANG, Man - CHEN, Xiaobo. Broadband antireflective and superhydrophobic coatings for solar cells. In *MATERIALS TODAY ENERGY*. ISSN 2468-6069, 2019, vol. 12, pp. 348-355., Registrované v: WOS

ŠIFFALOVIČ, Peter - CHITU, Livia - VÉGSO, Karol - MAJKOVÁ, Eva - JERGEL, Matej - WEIS, Martin Jr. - LUBY, Štefan - CAPEK, Ignác - KECKES, J. - MAIER, G.A. - SATKA, A. - PERLICH, J. - ROTH, S.V. Towards strain gauges based on a self-assembled nanoparticle monolayer- SAXS study. In *Nanotechnology*, 2010, vol. 21, no. 38, 385702. (2009: 3.137 - IF, Q2 - JCR, 1.809 - SJR, Q1 - SJR, Current Contents - CCC). (2010 - Current Contents, WOS, SCOPUS). ISSN 0957-4484. Dostupné na: <https://doi.org/10.1088/0957-4484/21/38/385702>

Ohlasy:

1. [1.1] DIGIANANTONIO, L. - GAUVIN, M. - ALNASSER, T. - BABONNEAU, D. - VIALLETT, B. - GRISOLIA, J. - VIAU, G. - COATI, A. - GARREAU, Y. - RESSIER, L. Influence of the Humidity on Nanoparticle-Based Resistive Strain Gauges. In *JOURNAL OF PHYSICAL CHEMISTRY C*. ISSN 1932-7447, MAR 17 2016, vol. 120, no. 10, p. 5848-5854., Registrované v: WOS
2. [1.1] CHO, S. - SONG, J.H. - KONG, M. - SHIN, S. - KIM, Y.T. - PARK, G. - PARK, C.G. - SHIN, T.J. - MYOUNG, J. - JEONG, U. Fully Elastic Conductive Films from Viscoelastic Composites. In *ACS APPLIED MATERIALS & INTERFACES*. ISSN 1944-8244, DEC 20 2017, vol. 9, no. 50, p. 44096-44105., Registrované v: WOS
3. [1.1] JIANG, C.W. - NI, I.C. - TZENG, S.D. - KUO, W. Nearly isotropic piezoresistive response due to charge detour conduction in nanoparticle thin films. In *SCIENTIFIC REPORTS*. ISSN 2045-2322, JUL 15 2015, vol. 5., 11939., Registrované v: WOS
4. [1.1] LIAO, J.H. - BLOK, S. - VAN DER MOLEN, S.J. - DIEFENBACH, S. - HOLLEITNER, A.W. - SCHONENBERGER, C. - VLADYKA, A. - CALAME, M. Ordered nanoparticle arrays interconnected by molecular linkers: electronic and optoelectronic properties. In *CHEMICAL SOCIETY REVIEWS*. ISSN 0306-0012, 2015, vol. 44, no. 4, p. 999-1014., Registrované v: WOS
5. [1.1] OLIHWER, N. - MEYER, A. - YESILMEN, M. - VOSSMEYER, T. Gold nanoparticle superlattices: correlating chemiresistive responses with analyte sorption and swelling. In *JOURNAL OF MATERIALS CHEMISTRY C*. ISSN 2050-7526, 2016, vol. 4, no. 35, p. 8214-8225., Registrované v: WOS
6. [1.1] PUYOO, E. - MALHAIRE, C. - THOMAS, D. - RAFAEL, R. - R'MILI, M. - MALCHERE, A. - ROIBAN, L. - KONETI, S. - BUGNET, M. - SABAC, A. - LE BERRE, M. Metallic nanoparticle-based strain sensors elaborated by atomic layer deposition. In *APPLIED PHYSICS LETTERS*. ISSN 0003-6951, MAR 20 2017, vol. 110, no. 12., Registrované v: WOS
7. [1.1] XIE, Bo - MAO, Peng - CHEN, Minrui - LI, Zhaoguo - HAN, Juanjuan - YANG, Lun - WANG, Xiuzhang - HAN, Min - LIU, Jun-Ming - WANG, Guanghou. Pd Nanoparticle Film on a Polymer Substrate for Transparent and Flexible Hydrogen Sensors. In *ACS APPLIED MATERIALS & INTERFACES*. ISSN 1944-8244, 2018, vol. 10, no. 51, pp. 44603-44613., Registrované v: WOS
8. [1.1] ZARETSKI, A.V. - ROOT, S.E. - SAVCHENKO, A. - MOLOKANOVA, E. - PRINTZ, A.D. - JIBRIL, L. - ARYA, G. - MERCOLA, M. - LIPOMI, D.J. Metallic Nanoislands on Graphene as Highly Sensitive Transducers of Mechanical, Biological, and Optical Signals. In *NANO LETTERS*. ISSN 1530-6984, FEB 2016, vol. 16, no. 2, p. 1375-1380.,

Registrované v: WOS

9. [1.1] ZHANG, P. - BOUSACK, H. - DAI, Y. - OFFENHAEUSSER, A. - MAYER, D. Shell-binary nanoparticle materials with variable electrical and electro-mechanical properties. In *NANOSCALE*. ISSN 2040-3364, 2018, vol. 10, no. 3, pp. 992-1003., Registrované v: WOS

ADCA1182 ŠIMURDA, Michal - BOČA, Miroslav** - ŠVEC, Peter - ŠVEC, Peter Jr. - JANIČKOVIČ, Dušan - SHI, Zhongning - MLYNÁRIKOVÁ, Jarmila. Analysis of the extremely rapidly cooled molten system (LiF-CaF₂)eut-LaF₃. In *New Journal of Chemistry*, 2018, vol. 42, no. 6, p. 4612-4623. (2017: 3.201 - IF, Q2 - JCR, 0.864 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 1144-0546. Dostupné na: <https://doi.org/10.1039/c7nj05156e>

Ohlasy:

1. [1.1] SHARMA, Rahul Kumar - CHOURYAL, Yogendra Nath - SLESAREV, Anatoly I. - IVANOVSKIKH, Konstantin V. - LEONIDOV, Ivan I. - NIGAM, Sandeep - GHOSH, Pushpal. A closer look at the defects and luminescence of nanocrystalline fluorides synthesized via ionic liquids: the case of Ce³⁺-doped BaF₂. In *NEW JOURNAL OF CHEMISTRY*. ISSN 1144-0546, 2020, vol. 44, no. 1, pp. 200-209., Registrované v: WOS

ADCA1183 ŠKORVÁNEK, Ivan - KOVÁČ, Jozef - MARCIN, Jozef - DUHAJ, Pavol - GERLING, R. Annealing effects on the magnetic properties of nanocrystalline FeNbB alloys. In *Journal of Magnetism and Magnetic Materials*, 1999, vol. 203, no. 1-3, p. 226-228. (1998: 0.889 - IF, Current Contents - CCC). (1999 - Current Contents, WOS, SCOPUS). ISSN 0304-8853. Dostupné na: [https://doi.org/10.1016/S0304-8853\(99\)00246-2](https://doi.org/10.1016/S0304-8853(99)00246-2)

Ohlasy:

1. [1.1] CARRILLO, A. - ESCODA, L. - SAURINA, J. - SUNOL, J. J. Structural and magnetic behavior of Fe(Nb,Zr) rich alloys produced by mechanical alloying. In *AIP ADVANCES*. ISSN 2158-3226, 2018, vol. 8, no. 4, pp., Registrované v: WOS

2. [1.1] CHABI, T. - BENSEBAA, N. - ALLEG, S. - AZZAZA, S. - SUNOL, J. J. - HLIL, E. K. Effect of the Boron Content on the Amorphization Process and Magnetic Properties of the Mechanically Alloyed Fe_{92-x}Nb_{8-x} Powders. In *JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM*. ISSN 1557-1939, 2019, vol. 32, no. 4, pp. 893-901., Registrované v: WOS

ADCA1184 ŠKORVÁNEK, Ivan - MARCIN, Jozef - TURČANOVÁ, Jana - WÓJCIK, Marek - NESTERUK, K. - JANIČKOVIČ, Dušan - ŠVEC, Peter. Field induced anisotropy and stability of soft magnetic properties towards high temperature in Co-rich nanocrystalline FeCoNbB alloys. In *Journal of Magnetism and Magnetic Materials*, 2007, vol. 310, no. 2, p. 2494-2496. (2006: 1.212 - IF, Q2 - JCR, 0.838 - SJR, Q2 - SJR, Current Contents - CCC). (2007 - Current Contents, WOS, SCOPUS). ISSN 0304-8853. Dostupné na: <https://doi.org/10.1016/j.jmmm.2006.11.092>

Ohlasy:

1. [1.1] DMITRIEVA, N. V. - LUKSHINA, V. A. - FILIPPOV, B. N. - POTAPOV, A. P. Thermal stability of magnetic properties of nanocrystalline (Fe_{0.7}Co_{0.3})₈₈Hf₄Mo₂Zr₁B₄Cu₁ alloy with induced magnetic anisotropy. In

PHYSICS OF METALS AND METALLOGRAPHY. ISSN 0031-918X, 2016, vol. 117, no. 10, pp. 976-981., Registrované v: WOS
 2. [1.1] LIU, Ming - WANG, Zhi - XU, Yan-Chao. Influence of Magnetic Field Annealing Methods on Soft Magnetic Properties for FeCo-Based Nanocrystalline Alloys. In IEEE TRANSACTIONS ON MAGNETICS. ISSN 0018-9464, 2015, vol. 51, no. 11, art. no. 2004704., Registrované v: WOS

ADCA1185 ŠKORVÁNEK, Ivan - MARCIN, Jozef - KRENICKÝ, Tibor - KOVÁČ, Jozef - ŠVEC, Peter - JANIČKOVIČ, Dušan. Improved soft magnetic behaviour in field-annealed nanocrystalline Hitperm alloys. In *Journal of Magnetism and Magnetic Materials*, 2006, vol. 304, no. 2, p. 203-207. (2005: 0.985 - IF, Q2 - JCR, 0.699 - SJR, Q2 - SJR, Current Contents - CCC). (2006 - Current Contents, WOS, SCOPUS). ISSN 0304-8853. Dostupné na: <https://doi.org/10.1016/j.jmmm.2006.02.120>

Ohlasy:

1. [1.1] DMITRIEVA, N. V. - LUKSHINA, V. A. - FILIPPOV, B. N. - POTAPOV, A. P. Thermal stability of magnetic properties of nanocrystalline (Fe_{0.7}Co_{0.3})(88)Hf₄Mo₂Zr₁B₄Cu₁ alloy with induced magnetic anisotropy. In PHYSICS OF METALS AND METALLOGRAPHY. ISSN 0031-918X, 2016, vol. 117, no. 10, pp. 976-981., Registrované v: WOS
2. [1.1] KINOSHITA, T. - KOHARA, K. - SHIMOJI, H. - SATO, T. - TODAKA, T. Effects of Heat Treatment Under Strong Magnetic Field of 1 T or More on Magnetic Properties of Non-Oriented Electrical Steel Sheet. In IEEE TRANSACTIONS ON MAGNETICS. ISSN 0018-9464, 2018, vol. 54, no. 11, 8205405., Registrované v: WOS
3. [1.1] KINOSHITA, T. - SHIMOJI, H. - AIHARA, S. - SATO, T. - TODAKA, T. Effect of Heat Treatment Under High Magnetic Field on Crystallographic Orientation and Magnetic Properties of Non-Oriented Electrical Steel Sheets. In IEEE TRANSACTIONS ON MAGNETICS. ISSN 0018-9464, 2019, vol. 55, no. 2, art. no. 2001105., Registrované v: WOS
4. [1.1] KNIPLING, K. E. - DANIIL, M. - WILLARD, M. A. Nanocrystalline Fe_{88-2x}CoxNixZr₇B₄Cu₁ alloys: Soft magnets for vehicle electrification technologies. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2015, vol. 117, no. 17, 172611., Registrované v: WOS
5. [1.1] LIU, Ming - WANG, Zhi - XU, Yan-chao - YUE, Ming. Effect of magnetic field annealing methods on soft magnetic properties for nanocrystalline (Fe_{0.5}Co_{0.5})(73.5)Si_{13.5}B₉Nb₃Cu₁ alloy. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2015, vol. 117, no. 17, 17B729., Registrované v: WOS
6. [1.1] LI, Zichao - DONG, Yaqiang - PAULY, Simon - CHANG, Chuntao - WEI, Ran - LI, Fushan - WANG, Xin-Min. Enhanced soft magnetic properties of Fe-based amorphous powder cores by longitude magnetic field annealing. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2017, vol. 706, pp. 1-6., Registrované v: WOS
7. [1.1] MIGLIERINI, M. - PROCHAZKA, V. - RUEFFER, R. - ZBORIL, R. In situ crystallization of metallic glasses during magnetic field annealing. In ACTA MATERIALIA. ISSN 1359-6454, 2015, vol. 91, pp. 50., Registrované v: WOS
8. [1.1] MURUGAIYAN, Premkumar - ABHINAV, Anand - VERMA, Rahul - PANDA, Ashis K. - MITRA, Amitava - BAYSACKH, Sandip - ROY,

- Rajat K. Influence of Al addition on structural, crystallization and soft magnetic properties of DC Joule annealed FeCo based nanocrystalline alloys. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2018, vol. 448, pp. 66-74., Registrované v: WOS
9. [1.1] PROCHAZKA, V. - VRBA, V. - SMRCKA, D. - RUEFFER, R. - MATUS, P. - MASLAN, M. - MIGLIERINI, M. B. Structural transformation of NANOPERM-type metallic glasses followed in situ by synchrotron radiation during thermal annealing in external magnetic field. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2015, vol. 638, pp. 398., Registrované v: WOS
10. [1.1] PROCHAZKA, V. - ZEMAN, L. - SMRCKA, D. - DUDKA, M. - VUJTEK, M. - MASLAN, M. - MIGLIERINI, M. B. Enhancement of crystallization in Fe-Mo-Cu-B metallic glass by deposition of Co layer. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2016, vol. 684, pp. 604-612., Registrované v: WOS
11. [1.1] RODRIGUEZ-SOTELO, Daniela - RODRIGUEZ-LICEA, Martin A. - SORIANO-SANCHEZ, Allan G. - ESPINOSA-CALDERON, Alejandro - PEREZ-PINAL, Francisco J. Advanced Ferromagnetic Materials in Power Electronic Converters: A State of the Art. In IEEE ACCESS. ISSN 2169-3536, 2020, vol. 8, pp. 56238-56252., Registrované v: WOS
12. [1.1] SHI, Rui-min - WANG, Zhi - HAN, Ye-mei. High-temperature soft magnetic behavior of magnetic field annealed Finemet-type nanocrystalline alloys. In AIP ADVANCES. ISSN 2158-3226, 2019, vol. 9, no. 5, art. no. 055222., Registrované v: WOS
13. [1.1] YUZUAK, G. Durak - YUZUAK, E. - NEVRUZOGU, V. Magneto-Impedance in Co₃₅Fe₆₅/Cu/Co₃₅Fe₆₅ Single and Bi-layer Thin Films. In ELECTRONIC MATERIALS LETTERS. ISSN 1738-8090, 2020, vol. 16, no. 5, pp. 473-480., Registrované v: WOS
14. [1.1] ZHOU, Jian - MENG, Li - YANG, Fuyao - MA, Guang - CHEN, Leng. Effect of heat treatment on dynamic magnetic properties and microstructures of Fe_{73.5}Cu₁Nb₃Si_{13.5}B₉ nanocrystalline alloy. In JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS. ISSN 0957-4522, 2017, vol. 28, no. 9, pp. 6829-6836., Registrované v: WOS

ADCA1186 ŠKORVÁNEK, Ivan - MARCIN, Jozef - TURČANOVÁ, Jana - KOVÁČ, Jozef - ŠVEC, Peter. Improvement of soft magnetic properties in Fe₃₈Co₃₈Mo₈B₁₅Cu amorphous and nanocrystalline alloys by heat treatment in external magnetic field. In *Journal of Alloys and Compounds*, 2010, vol. 504, supplement 1, p. S135-S138. (2009: 2.135 - IF, Q1 - JCR, 0.956 - SJR, Q1 - SJR, Current Contents - CCC). (2010 - Current Contents, WOS, SCOPUS). ISSN 0925-8388. Dostupné na: <https://doi.org/10.1016/j.jallcom.2010.04.033>

Ohlasy:

1. [1.1] GU, Y. - ZHANG, Y. H. - LI, X. - WANG, J. - WANG, B. - WANG, K. M. Effect of Co Content on Structural Stability and Soft Magnetic Properties for (Fe_{1-x}Co_x)(86)Hf₇B₆Cu₁ Amorphous Alloy. In PHYSICS OF METALS AND METALLOGRAPHY. ISSN 0031-918X, 2020, vol. 121, no. 2, pp. 123-127., Registrované v: WOS
2. [1.1] KWON, Seoyeon - KIM, Sumin - YIN, Haein. Improvement of saturation magnetic flux density in Fe-Si-B-Nb-Cu nanocomposite alloys by magnetic field annealing. In CURRENT APPLIED PHYSICS. ISSN 1567-1739,

2020, vol. 20, no. 1, pp. 37-42., Registrované v: WOS

3. [1.1] LIU, Ming - WANG, Zhi - XU, Yan-Chao. Influence of Magnetic Field Annealing Methods on Soft Magnetic Properties for FeCo-Based Nanocrystalline Alloys. In IEEE TRANSACTIONS ON MAGNETICS. ISSN 0018-9464, 2015, vol. 51, no. 11, art. no. 2004704., Registrované v: WOS

4. [1.1] LIU, Ming - WANG, Zhi - XU, Yan-chao - YUE, Ming. Effect of magnetic field annealing methods on soft magnetic properties for nanocrystalline (Fe_{0.5}Co_{0.5})(73.5)Si_{13.5}B₉Nb₃Cu₁ alloy. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2015, vol. 117, no. 17, art. no. 17B729., Registrované v: WOS

5. [1.1] LI, Zichao - DONG, Yaqiang - PAULY, Simon - CHANG, Chuntao - WEI, Ran - LI, Fushan - WANG, Xin-Min. Enhanced soft magnetic properties of Fe-based amorphous powder cores by longitude magnetic field annealing. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2017, vol. 706, pp. 1-6., Registrované v: WOS

6. [1.1] LI, Zichao - DONG, Yaqiang - LI, Fushan - CHANG, Chuntao - WANG, Xin-Min - LI, Run-Wei. Fe₇₈Si₉B₁₃ amorphous powder core with improved magnetic properties. In JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS. ISSN 0957-4522, 2017, vol. 28, no. 2, pp. 1180-1185., Registrované v: WOS

7. [1.1] MIGLIERINI, M. - PROCHAZKA, V. - RUEFFER, R. - ZBORIL, R. In situ crystallization of metallic glasses during magnetic field annealing. In ACTA MATERIALIA. ISSN 1359-6454, 2015, vol. 91, pp. 50-56., Registrované v: WOS

8. [1.1] PROCHAZKA, V. - VRBA, V. - SMRCKA, D. - RUEFFER, R. - MATUS, P. - MASLAN, M. - MIGLIERINI, M. B. Structural transformation of NANOPERM-type metallic glasses followed in situ by synchrotron radiation during thermal annealing in external magnetic field. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2015, vol. 638, pp. 398-404., Registrované v: WOS

9. [1.1] PROCHAZKA, V. - ZEMAN, L. - SMRCKA, D. - DUDKA, M. - VUJTEK, M. - MASLAN, M. - MIGLIERINI, M. B. Enhancement of crystallization in Fe-Mo-Cu-B metallic glass by deposition of Co layer. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2016, vol. 684, pp. 604-612., Registrované v: WOS

10. [1.1] WANG, Chenxu - WU, Zhongyuan - FENG, Xiaomeng - LI, Zhong - GU, Yong - ZHANG, Yin - TAN, Xiaohua - XU, Hui. The effects of magnetic field annealing on the magnetic properties and microstructure of Fe₈₀Si₉B₁₁ amorphous alloys. In INTERMETALLICS. ISSN 0966-9795, 2020, vol. 118, 106689., Registrované v: WOS

11. [1.1] YUZUAK, G. Durak - YUZUAK, E. - NEVRUZOGU, V. Magneto-Impedance in Co₃₅Fe₆₅/Cu/Co₃₅Fe₆₅ Single and Bi-layer Thin Films. In ELECTRONIC MATERIALS LETTERS. ISSN 1738-8090, 2020, vol. 16, no. 5, pp. 473-480., Registrované v: WOS

12. [1.1] ZHI, Shaotao - LEI, Chong - YANG, Zhen - FENG, Zhu - GUO, Lei - ZHOU, Yong. Effect of Field Annealing Induced Magnetic Anisotropy on the Performance of Meander-Core Orthogonal Fluxgate Sensor. In PHYSICA STATUS SOLIDI A-APPLICATIONS AND MATERIALS SCIENCE. ISSN 1862-6300, 2018, vol. 215, no. 21, 1800400., Registrované v: WOS

13. [1.1] ZHUANG, Y. X. - WANG, W. B. - HAN, B. T. - XING, P. F. Effect of high magnetic field on crystallization behavior of Fe₈₃B₁₀C₆Cu₁ amorphous alloy. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2016, vol. 684, pp. 649-655., Registrované v: WOS

ADCA1187 ŠKORVÁNEK, Ivan - ŠVEC, Peter - GRENECHE, J.M. - KOVÁČ, Jozef - MARCIN, Jozef - GERLING, R. Influence of microstructure on the magnetic and mechanical behaviour of amorphous and nanocrystalline FeNbB alloy. In *Journal of Physics: Condensed Matter*, 2002, vol. 14, no. 18, p. 4717-4736. (2001: 1.611 - IF, Current Contents - CCC). (2002 - Current Contents, WOS, SCOPUS). ISSN 0953-8984. Dostupné na: <https://doi.org/10.1088/0953-8984/14/18/307>

Ohlasy:

1. [1.1] BIRAME GUEYE, Papa Gorgui - LOPEZ SANCHEZ, Jesus - NAVARRO, Elena - SERRANO, Aida - MARIN, Pilar. Control of the Length of Fe_{73.5}Si_{13.5}Nb₃CU₁B₉ Microwires to Be Used for Magnetic and Microwave Absorbing Purposes. In ACS APPLIED MATERIALS & INTERFACES. ISSN 1944-8244, 2020, vol. 12, no. 13, pp. 15644-15656., Registrované v: WOS

2. [1.1] JIA, Xingjie - LI, Yanhui - WU, Licheng - ZHANG, Wei. A study on the role of Ni content on structure and properties of Fe-Ni-Si-B-P-Cu nanocrystalline alloys. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2020, vol. 822, 152784., Registrované v: WOS

3. [1.1] RAMASAMY, Parthiban - SHAHID, Rub Nawaz - SCUDINO, Sergio - ECKERT, Juergen - STOICA, Mihai. Influencing the crystallization of Fe₈₀Nb₁₀B₁₀ metallic glass by ball milling. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2017, vol. 725, pp. 227-236., Registrované v: WOS

4. [1.1] WANG, Yuhao - TIAN, Yefan - KIRK, Tanner - LARIS, Omar - ROSS, Joseph H. - NOEBE, Ronald D. - KEYLIN, Vladimir - ARROYAVE, Raymundo. Accelerated design of Fe-based soft magnetic materials using machine learning and stochastic optimization. In ACTA MATERIALIA. ISSN 1359-6454, 2020, vol. 194, pp. 144-155., Registrované v: WOS

ADCA1188 ŠKORVÁNEK, Ivan - KOVÁČ, Jozef - MARCIN, Jozef - ŠVEC, Peter - JANIČKOVIČ, Dušan. Magnetocaloric effect in amorphous and nanocrystalline Fe_{81-x}Cr_xNb₇B₁₂ (x = 0 and 3.5) alloys. In *Materials Science and Engineering A - Structural Materials Properties Microstructure and Processing*, 2007, vol. 449-451, p. 460-463. (2006: 1.490 - IF, Q2 - JCR, 1.337 - SJR, Q1 - SJR, Current Contents - CCC). (2007 - Current Contents, WOS, SCOPUS). ISSN 0921-5093. Dostupné na: <https://doi.org/10.1016/j.msea.2006.02.353>

Ohlasy:

1. [1.1] FRANCO, V. - BLAZQUEZ, J. S. - IPUS, J. J. - LAW, J. Y. - MORENO-RAMIREZ, L. M. - CONDE, A. Magnetocaloric effect: From materials research to refrigeration devices. In PROGRESS IN MATERIALS SCIENCE. ISSN 0079-6425, 2018, vol. 93, pp. 112-232., Registrované v: WOS

2. [1.1] GONDRO, Joanna. Structure and Magnetic Properties of Amorphous Fe-Zr-Nb-Cu-B-(Y) Ribbons. In REVISTA DE CHIMIE. ISSN 0034-7752, 2019, vol. 70, no. 1, pp. 233-235., Registrované v: WOS

3. [1.1] CHAUDHARY, V. - CHEN, X. - RAMANUJAN, R. V. Iron and manganese based magnetocaloric materials for near room temperature thermal management. In PROGRESS IN MATERIALS SCIENCE. ISSN

0079-6425, 2019, vol. 100, pp. 64-98., Registrované v: WOS

4. [1.1] CHIRIAC, H. - WHITMORE, L. - GRIGORAS, M. - ABABEI, G. - STOIAN, G. - LUPU, N. Influence of Cr on the nanoclusters formation and superferromagnetic behavior of Fe-Cr-Nb-B glassy alloys. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2015, vol. 117, no. 17, 17B522.,

Registrované v: WOS

5. [1.1] KISHORE, Ravi Anant - PRIYA, Shashank. Low-grade waste heat recovery using the reverse magnetocaloric effect. In SUSTAINABLE ENERGY & FUELS. ISSN 2398-4902, 2017, vol. 1, no. 9, pp. 1899-1908.,

Registrované v: WOS

6. [1.1] LI, Jiawei - LAW, Jia Yan - HUO, Juntao - HE, Aina - MAN, Qikui - CHANG, Juntao - MEN, He - WANG, Junqiang - WANG, Xinmin - LI, Run-Wei. Magnetocaloric effect of Fe-RE-B-Nb (RE = Tb, Ho or Tm) bulk metallic glasses with high glass-forming ability. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2015, vol. 644, pp. 346-349.,

Registrované v: WOS

7. [1.1] MORENO-RAMIREZ, L. M. - BLAZQUEZ, J. S. - FRANCO, V. - CONDE, A. - MARSILIUS, M. - BUDINSKY, V. - HERZER, G.

Magnetocaloric response of amorphous and nanocrystalline Cr-containing Vitroperm-type alloys. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2016, vol. 409, pp. 56-61., Registrované v: WOS

8. [1.1] SWIERCZEK, J. - KUPCZYK, A. - HASIAK, M. Structure and some magnetic properties of amorphous and partially crystallized Fe-(Co)-Mn-Mo-B alloys. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2020, vol. 499, 166269., Registrované v: WOS

9. [1.1] THANVEER, T. - RAMANUJAN, R. V. - THOMAS, S. Magnetocaloric effect in amorphous and partially crystallized Fe₄₀Ni₃₈Mo₄B₁₈ alloys. In AIP ADVANCES. ISSN 2158-3226, 2016, vol. 6, no. 5, 055322.,

Registrované v: WOS

10. [1.1] YEN, Nguyen Hai - HA, Nguyen Hoang - THANH, Pham Thi - THANH, Tran Dang - NGOC, Nguyen Huy - DAN, Nguyen Huy. Influence of Cr-Addition on Magnetic Properties and Magnetocaloric Effect of Fe-Cr-B-Gd-Zr Rapidly Quenched Alloys. In JOURNAL OF ELECTRONIC MATERIALS. ISSN 0361-5235, 2019, vol. 48, no. 11., Registrované v: WOS

11. [1.1] ZHONG, X. C. - TIAN, H. C. - WANG, S. S. - LIU, Z. W. - ZHENG, Z. G. - ZENG, D. C. Thermal, magnetic and magnetocaloric properties of Fe_{80-x}M_xB₁₀Zr₉Cu₁ (M = Ni, Ta; x=0, 3, 5) amorphous alloys. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2015, vol. 633, pp. 188-193., Registrované v: WOS

ADCA1189 ŠKORVÁNEK, Ivan - ŠVEC, Peter - MARCIN, Jozef - KOVÁČ, Jozef - KRENICKÝ, Tibor - DEANKO, Martin. Nanocrystalline Cu-free HITPERM alloys with improved soft magnetic properties. In *Physica status solidi A. Applied research*, 2003, vol. 196, no 1., p. 217-220. (2002: 0.979 - IF, Current Contents - CCC). (2003 - Current Contents, WOS, SCOPUS). ISSN 0031-8965. Dostupné na: <https://doi.org/10.1002/pssa.200306390>

Ohlasy:

1. [1.1] SUZUKI, K. - PARSONS, R. - ZANG, B. - ONODERA, K. - KISHIMOTO, H. - SHOJI, T. - KATO, A. Nanocrystalline soft magnetic

materials from binary alloy precursors with high saturation magnetization. In AIP ADVANCES. ISSN 2158-3226, 2019, vol. 9, no. 3, 035311., Registrované v: WOS

2. [1.1] TALAAT, Ahmed - ZHUKOVA, Valentina - IPATOV, Mihail - BLANCO, Juan Maria - VARGA, Rastislav - KLEIN, Peter - GONZALEZ-LEGARRETA, Lorena - HERNANDO, Blanca - ZHUKOV, Arcady. Magnetic Properties of Nanocrystalline Microwires. In JOURNAL OF ELECTRONIC MATERIALS. ISSN 0361-5235, 2016, vol. 45, no. 1, pp. 212-218., Registrované v: WOS

3. [1.1] TALAAT, A. - DEL VAL, J. J. - ZHUKOVA, V. - IPATOV, M. - KLEIN, P. - VARGA, R. - GONZALEZ, J. - CHURYUKANOVA, M. - ZHUKOV, A. Grain size refinement in nanocrystalline Hitperm-type glass-coated microwires. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2016, vol. 406, pp. 15-21., Registrované v: WOS

4. [1.1] THOMAS, Som V. - WILLARD, Matthew A. - MARTONE, Anthony - HEBEN, Michael J. - SOLOMON, Virgil - WELTON, Aaron - BOOLCHAND, Punit - EWING, Rodney C. - WANG, Chenxu - BUD'KO, Sergey L. - SONG, Jie - SHI, Donglu. Nanocrystallites via Direct Melt Spinning of Fe₇₇Ni_{5.5}Co_{5.5}Zr₇B₄Cu for Enhanced Magnetic Softness. In PHYSICA STATUS SOLIDI A-APPLICATIONS AND MATERIALS SCIENCE. ISSN 1862-6300, 2020, vol. 217, no. 8, pp. Dostupné na:

<https://doi.org/10.1002/pssa.201900680>., Registrované v: WOS

5. [1.1] VARGA, Rastislav - KLEIN, Peter - SABOL, Rudolf - RICHTER, Kornel - HUDAK, Radovan - POLACEK, Irenej - PRASLICKA, Dusan - SMELKO, Miroslav - HUDAK, Jozef - MIKITA, Ivan - ANDREA BADINI-CONFALONIERI, Giovanni - EL KAMMOUNI, Rhimou - VAZQUEZ, Manuel. Magnetically Bistable Microwires: Properties and Applications for Magnetic Field, Temperature, and Stress Sensing. In HIGH PERFORMANCE SOFT MAGNETIC MATERIALS. ISSN 0933-033X, 2017, vol. 252, pp. 169-212., Registrované v: WOS

6. [1.1] ZHUKOVA, V. - TALAAT, A. - IPATOV, M. - DELVAL, J. J. - BLANCO, J. M. - GONZALEZ-LEGARRETA, L. - HERNANDO, B. - VARGA, R. - KLEIN, P. - CHURYUKANOVA, M. - ZHUKOV, A. Optimization of Soft Magnetic Properties in Nanocrystalline Fe-Rich Glass-Coated Microwires. In JOM. ISSN 1047-4838, 2015, vol. 67, no. 9, pp. 2108., Registrované v: WOS

7. [1.1] ZHUKOV, Arcady - IPATOV, Mihail - TALAAT, Ahmed - BLANCO, Juan Maria - HERNANDO, Blanca - GONZALEZ-LEGARRETA, Lorena - JOSEP SUNOL, Joan - ZHUKOVA, Valentina. Correlation of Crystalline Structure with Magnetic and Transport Properties of Glass-Coated Microwires. In CRYSTALS. ISSN 2073-4352, 2017, vol. 7, no. 2, 41., Registrované v: WOS

ADCA1190 ŠROBA, Viktor - FIANTOK, Tomáš - TRUCHLÝ, Martin - ROCH, Tomáš - ZAHORAN, Miroslav - GRANČIČ, Branislav - ŠVEC, Peter Jr. - NAGY, Štefan - IZAI, Vitalii - KÚŠ, Peter - MIKULA, Marian*. Structure evolution and mechanical properties of hard tantalum diboride films. In *Journal of Vacuum Science and Technology A*, 2020, vol. 38, no. 3, 033408. (2019: 2.166 - IF, Q3 -

JCR, 0.588 - SJR, Q2 - SJR, Current Contents - CCC). (2020 - Current Contents).
ISSN 0734-2101. Dostupné na: <https://doi.org/10.1116/6.0000155>

Ohlasy:

1. [1.1] GONCHAROV, Alexander - YUNDA, Andrei - KOLINKO, Ivan. Patterns of the Formation of Transition Metal Diboride Superhard Coatings. In PROCEEDINGS OF THE 2020 IEEE 10TH INTERNATIONAL CONFERENCE ON NANOMATERIALS: APPLICATIONS & PROPERTIES (NAP-2020), 2020, vol., no., pp., Registrované v: WOS
2. [1.1] MUSIL, J. - CERSTVY, R. - POGREBNJAK, A. THERMAL STABILITY OF HARD TANTALUM BORIDE FILMS. In HIGH TEMPERATURE MATERIAL PROCESSES. ISSN 1093-3611, 2020, vol. 24, no. 3, pp. 193-200., Registrované v: WOS

ADCA1191 ŠTELMACHOVIČ, Peter - BUŽEK, Vladimír. Dynamics of open quantum systems initially entangled with environment: Beyond the Kraus representation (vol A 64, art no 062106, 2001). In *Physical Review A*, 2003, vol. 67, no. 2, 029902. ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.67.029902>

Ohlasy:

1. [1.1] MA, Xin-Ping - SUN, Yue - GUO, Jin-Liang. Quantum correlation dynamics of two qubits in independent reservoirs with initial system-reservoir correlations. In COMMUNICATIONS IN THEORETICAL PHYSICS. ISSN 0253-6102, 2020, vol. 72, no. 1, 015103., Registrované v: WOS

ADCA1192 ŠTELMACHOVIČ, Peter - BUŽEK, Vladimír. Dynamics of open quantum systems initially entangled with environment: Beyond the Kraus representation. In *Physical Review A*, 2001, vol. 64, no. 6, 062106. (2000: 2.684 - IF). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.64.062106>

Ohlasy:

1. [1.1] AMATO, Giulio - BREUER, Heinz-Peter - VACCHINI, Bassano. Generalized trace distance approach to quantum non-Markovianity and detection of initial correlations. In PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 98, no. 1, 012120., Registrované v: WOS
2. [1.1] BERA, Anindita - DAS, Tamoghna - SADHUKHAN, Debasis - ROY, Sudipto Singha - SEN (DE), Aditi - SEN, Ujjwal. Quantum discord and its allies: a review of recent progress. In REPORTS ON PROGRESS IN PHYSICS. ISSN 0034-4885, 2018, vol. 81, no. 2, 024001., Registrované v: WOS
3. [1.1] COLMENARES, Pedro J. Generalized diffusion of quantum Brownian motion. In PHYSICAL REVIEW E. ISSN 2470-0045, 2019, vol. 100, no. 5, 052117., Registrované v: WOS
4. [1.1] DUARTE, Cristhiano - CARVALHO, Gabriel Dias - BERNARDES, Nadja K. - DE MELO, Fernando. Emerging dynamics arising from coarse-grained quantum systems. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 96, no. 3, 032113., Registrované v: WOS
5. [1.1] GIRALDI, Filippo. Bath Energy for Correlated Initial States vs. Information Flow in Local Dephasing Channels. In OPEN SYSTEMS & INFORMATION DYNAMICS. ISSN 1230-1612, 2017, vol. 24, no. 2, 1750006., Registrované v: WOS
6. [1.1] GIRALDI, Filippo. Damped Oscillations of the Energy of a Bosonic Bath due to Spectral Gaps and Special Initial Correlations. In OPEN

- SYSTEMS & INFORMATION DYNAMICS. ISSN 1230-1612, 2018, vol. 25, no. 3, 1850011., Registrované v: WOS
7. [1.1] MENG, Xiangjia - CHEN, Longxi. Effects of Initial Correlation and Quantum Coherence on the Energy Transfer, Purity and Entanglement. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2018, vol. 57, no. 4, pp. 1082-1093., Registrované v: WOS
8. [1.1] MILZ, Simon - POLLOCK, Felix A. - MODI, Kavan. An Introduction to Operational Quantum Dynamics. In OPEN SYSTEMS & INFORMATION DYNAMICS. ISSN 1230-1612, 2017, vol. 24, no. 4, 1740016., Registrované v: WOS
9. [1.1] PANDIT, Mahasweta - DAS, Sreetama - ROY, Sudipto Singha - DHAR, Himadri Shekhar - SEN, Ujjwal. Effects of cavity-cavity interaction on the entanglement dynamics of a generalized double Jaynes-Cummings model. In JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS. ISSN 0953-4075, 2018, vol. 51, no. 4, 045501., Registrované v: WOS
10. [1.1] SARGOLZAH, Iman - MIRAFZALI, Sayyed Yahya. When the Assignment Map Is Completely Positive. In OPEN SYSTEMS & INFORMATION DYNAMICS. ISSN 1230-1612, 2018, vol. 25, no. 3, 1850012., Registrované v: WOS
11. [1.1] SARGOLZAH, Iman. Reference state for arbitrary U-consistent subspace. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2018, vol. 51, no. 31, 315301., Registrované v: WOS
12. [1.1] SCHMID, David - RIED, Katja - SPEKKENS, Robert W. Why initial system-environment correlations do not imply the failure of complete positivity: A causal perspective. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 2, 022112., Registrované v: WOS
13. [1.1] SIOMAU, Michael. Any quantum network is structurally controllable by a single driving signal. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2019, vol. 18, no. 1, 1., Registrované v: WOS
14. [1.1] SOUZA, Leonardo da Silva - DEBARBA, Tiago - BRAGA FERREIRA, Diego L. - IEMINI, Fernando - VIANNA, Reinaldo O. Completely positive maps for reduced states of indistinguishable particles. In PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 98, no. 5, 052135., Registrované v: WOS
15. [1.1] UDAYAKUMAR, Pavithra - KUMAR-ESLAMI, Preethika. Kraus operator formalism for quantum multiplexer operations for arbitrary two-qubit mixed states. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2019, vol. 18, no. 12, 361., Registrované v: WOS
16. [1.1] XU, Y. Y. - LIU, J. - FENG, M. Positive entropy production rate induced by non-Markovianity. In PHYSICAL REVIEW E. ISSN 2470-0045, 2018, vol. 98, no. 3, 032102., Registrované v: WOS

ADCA1193 ŠTELMACHOVIČ, P. - BUŽEK, Vladimír. Quantum-information approach to the Ising model: Entanglement in chains of qubits. In *Physical Review A*, 2004, vol. 70, no. 3, 032313. ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.70.032313>

Ohlasy:

1. [1.1] ÇAKMAK, Selcuk - CANDIR, Mustafa - ALTINTAS, Ferdi. Construction of a quantum Carnot heat engine cycle. In QUANTUM

INFORMATION PROCESSING. ISSN 1570-0755, 2020, vol. 19, no. 9, 314.,
Registrované v: WOS

2. [1.1] GESSNER, Manuel. Local Detection of Correlations in Composite Quantum Systems. In DYNAMICS AND CHARACTERIZATION OF COMPOSITE QUANTUM SYSTEMS. ISSN 2190-5053, 2017, pp. 69-128.,
Registrované v: WOS

3. [1.1] GESSNER, Manuel. Quantum Phase Transition in a Family of Quantum Magnets. In DYNAMICS AND CHARACTERIZATION OF COMPOSITE QUANTUM SYSTEMS. ISSN 2190-5053, 2017, vol., no., pp. 151-199.,
Registrované v: WOS

4. [1.1] MUNOZ, C. - GAETA, M. - GOMEZ, R. - KLIMOV, A. B. Picturing quantum phase transitions. In PHYSICS LETTERS A. ISSN 0375-9601, 2019, vol. 383, no. 2-3, pp. 141-147.,
Registrované v: WOS

5. [1.1] NAIK, Gautam Kamalakar - SINGH, Rajeev - MISHRA, Sunil Kumar. Controlled generation of genuine multipartite entanglement in Floquet Ising spin models. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 99, no. 3, 032321.,
Registrované v: WOS

6. [1.1] ROY, Sudipto Singha - DHAR, Himadri Shekhar - SEN(DE), Aditi - SEN, Ujjwal. Tensor-network approach to compute genuine multisite entanglement in infinite quantum spin chains. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 99, no. 6, UNSP 062305.,
Registrované v: WOS

ADCA1194 ŠURDA, Anton. Cluster variation method for lattice models. In *Zeitschrift für Physik B. Condensed Matter*, 1982, vol. 46, no. 4, p. 371-374. ISSN 0722-3277. Dostupné na: <https://doi.org/10.1007/BF01307713>

Ohlasy:

1. [1.1] TAMERABET, Y. - ADJADJ, F. - BENTRCIA, T. Evaluation of the genetic algorithm performance for the optimization of the grand potential in the cluster variation method. In CALPHAD-COMPUTER COUPLING OF PHASE DIAGRAMS AND THERMOCHEMISTRY. ISSN 0364-5916, 2018, vol. 61, pp. 157-164.,
Registrované v: WOS

ADCA1195 ŠURDA, Anton. Phase diagram of the three-dimensional asymmetric next-nearest-neighbor Ising model in an effective-field approximation. In *Physical Review B*, 2004, vol. 69, no. 13, 134116. (2003: 2.962 - IF, Current Contents - CCC). (2004 - Current Contents, WOS, SCOPUS). ISSN 1550-235X.

Ohlasy:

1. [1.1] MURTAZAEV, A. K. - IBAEV, Zh. G. Critical Properties of the Anisotropic Ising Model with Competitive Interactions in the Region of a Phase Transition from the Modulated Phase to the Paramagnetic One. In JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS. ISSN 1063-7761, 2018, vol. 127, no. 6, pp. 1040-1045.,
Registrované v: WOS

ADCA1196 ŠVAJDLENKOVÁ, Helena** - ŠAUŠA, Ondrej - PEER, Gernot - GORSCHKE, Christian. In situ investigation of the kinetics and microstructure during photopolymerization by positron annihilation technique and NIR- photorheology. In *RSC Advances*, 2018, vol. 8, no. 65, p. 37085-37091. (2017: 2.936 - IF, Q2 - JCR, 0.863 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 2046-2069. Dostupné na: <https://doi.org/10.1039/c8ra07578f>

Ohlasy:

1. [1.1] DU, Y.J. - WEI, S.L. - TANG, M.C. - YE, M.T. - TAO, H.Y. - QI, C.Z. - SHAO, L.J. Palladium nanoparticles stabilized by chitosan/PAAS nanofibers: A highly stable catalyst for Heck reaction. In *APPLIED ORGANOMETALLIC CHEMISTRY*. ISSN 0268-2605, 2020, vol. 34, no. 5, e5619., Registrované v: WOS
2. [1.1] SHPOTYUK, O. - INGRAM, A. - SHPOTYUK, O. Photopolymerization shrinkage in dimethacrylate-based dental restorative composites probed by means of positron annihilation lifetime spectroscopy. In *POLYMER*. ISSN 0032-3861, 2020, vol. 196, 122485., Registrované v: WOS
3. [1.1] WU, H.Q. - LEI, Y.L. - SONG, X.W. - TAN, Y. - SUN, Z.F. - ZHANG, Y. - KJONIKSEN, A.L. - WANG, W. - MA, J.M. Real time rheological study of first network effects on the in situ polymerized semi-interpenetrating hydrogels. In *COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS*. ISSN 0927-7757, AUG 20 2019, vol. 575, p. 111-117., Registrované v: WOS

ADCA1197 ŠVAJDLENKOVÁ, Helena** - ŠAUŠA, Ondrej - MATKO, Igor - KOCH, Thomas - GORSCHÉ, Thomas**. Investigating the free-volume characteristics of regulated dimethacrylate networks below and above glass transition temperature. In *Macromolecular Chemistry and Physics*, 2018, vol. 219, iss. 15, art. no. 1800119. (2017: 2.492 - IF, Q2 - JCR, 0.760 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 1022-1352. Dostupné na: <https://doi.org/10.1002/macp.201800119>

Ohlasy:

1. [1.1] LUO, Q.Z. - HUANG, Q. - CHEN, Z. - YAO, L. - FU, Q.M. - FU, P. - LIN, Z.D. Temperature Dependence of the Pore Structure in Polyvinylidene Fluoride (PVDF)/Graphene Composite Membrane Probed by Electrochemical Impedance Spectroscopy. In *POLYMERS*. ISSN 2073-4360, OCT 2018, vol. 10, no. 10., Registrované v: WOS

ADCA1198 ŠVAJDLENKOVÁ, Helena - ŠAUŠA, Ondrej - STEINDL, Johannes - KOCH, Thomas - GORSCHÉ, Christian. Microstructural PALS study of regulated dimethacrylates: Thiol-versus beta-allyl sulfone-based networks. In *Journal of Polymer Science. Part B. Polymer Physics*, 2016, vol. 54, no. 24, p. 2476-2484. (2015: 3.318 - IF, Q1 - JCR, 1.235 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0887-6266. Dostupné na: <https://doi.org/10.1002/polb.24240>

Ohlasy:

1. [1.1] ANTHAMATTEN, M. - O'NEILL, S.W. - LIU, D.Z. - WHEELER, T.M. - VALLERY, R.S. - GIDLEY, D.W. Tunability of Free Volume and Viscoelastic Damping of Thiol-Ene Networks Deep in the Glassy State. In *MACROMOLECULES*. ISSN 0024-9297, APR 10 2018, vol. 51, no. 7, p. 2564-2571., Registrované v: WOS

ADCA1199 ŠVAJDLENKOVÁ, Helena - ŠAUŠA, Ondrej - ISKROVÁ - MIKLOŠOVIČOVÁ, Martina, Miklošovičová - MAJERNÍK, V. - KRIŠTIÁK, Jozef - BARTOŠ, Josef. On the relationships between guest molecular dynamics and free volume in a series of small molecular and polymer glass-formers. In *Chemical Physics Letters*, 2012, vol. 539 - 540, p. 39 - 44. (2011: 2.337 - IF, Q2 - JCR, 1.159 -

SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents). ISSN 0009-2614. Dostupné na: <https://doi.org/10.1016/j.cplett.2012.05.013>

Ohlasy:

1. [1.1] CAPPONI, S. - ALVAREZ, F. - RACKO, D. Free Volume in a PVME Polymer-Water Solution. In MACROMOLECULES. ISSN 0024-9297, JUN 23 2020, vol. 53, no. 12, p. 4770-4782., Registrované v: WOS
2. [1.1] ZGARDZINSKA, B. - STANDZIKOWSKI, K. A New Approach to the Presentation of the Positron Annihilation Lifetime Spectroscopy Results, n-Alkanes. In ACTA PHYSICA POLONICA A. ISSN 0587-4246, NOV 2017, vol. 132, no. 5, p. 1496-1500., Registrované v: WOS

ADCA1200 ŠVEC, Peter Jr. - ŠVEC, Peter - HOŠKO, Jozef - JANIČKOVIČ, Dušan. Formation of monophase Fe₂₃B₆-type alloy via crystallization of amorphous Fe-Ni-Nb-B system. In *Journal of Alloys and Compounds*, 2014, vol. 590, p. 87-91. (2013: 2.726 - IF, Q1 - JCR, 1.064 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 0925-8388. Dostupné na: <https://doi.org/10.1016/j.jallcom.2013.12.055>

Ohlasy:

1. [1.1] GEORGARAKIS, Konstantinos - DUDINA, Dina V. - MALI, Vyacheslav I. - ANISIMOV, Alexander G. - BULINA, Natalia V. - JORGE, Alberto Moreira - YAVARI, Alain R. Crystallization of Fe₈₃B₁₇ amorphous alloy by electric pulses produced by a capacitor discharge. In APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING. ISSN 0947-8396, 2015, vol. 120, no. 4, pp. 1565., Registrované v: WOS
2. [1.1] JIA, C. G. - PANG, J. - PAN, S. P. - ZHANG, Y. J. - KIM, K. B. - QIN, J. Y. - WANG, W. M. Tailoring the corrosion behavior of Fe-based metallic glasses through inducing Nb-triggered netlike structure. In CORROSION SCIENCE. ISSN 0010-938X, 2019, vol. 147, pp. 94-107., Registrované v: WOS
3. [1.1] TORRENS-SERRA, J. - BRUNA, P. - STOICA, M. - ECKERT, J. Glass-forming ability and microstructural evolution of [(Fe_{0.6}Co_{0.4})(0.75)Si_{0.05}B_{0.20}](96-x)Nb₄M_x metallic glasses studied by Mossbauer spectroscopy. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2017, vol. 704, pp. 748-759., Registrované v: WOS
4. [1.1] YU WANQIU - LU LIPING - ZUO BIN. Primary Crystallization Phases and Magnetic Property of FeZrB Alloys. In RARE METAL MATERIALS AND ENGINEERING. ISSN 1002-185X, 2020, vol. 49, no. 5, pp. 1561-1566., Registrované v: WOS

ADCA1201 ŠVEC, Peter Jr. - MIGLIERINI, Marcel - DEKAN, Július - TURČANOVÁ, Jana - VLASÁK, Gabriel - ŠKORVÁNEK, Ivan - JANIČKOVIČ, Dušan - ŠVEC, Peter. Influence of structure Evolution on magnetic Properties of Fe-Ni-Nb-B system. In *IEEE Transactions on Magnetism*, 2010, vol. 46, no. 2, p. 412-415. (2009: 1.061 - IF, Q2 - JCR, 0.735 - SJR, Q1 - SJR, Current Contents - CCC). (2010 - Current Contents). ISSN 0018-9464. Dostupné na: <https://doi.org/10.1109/TMAG.2009.2034332>

Ohlasy:

1. [1.1] PETRIE, J. R. - WIELAND, K. A. - TIMMERWILKE, J. M. - BARRON, S. C. - BURKE, R. A. - NEWBURGH, G. A. - BURNETTE, J. E. - FISCHER, G. A. - EDELSTEIN, A. S. A multi-state magnetic memory

dependent on the permeability of Metglas. In APPLIED PHYSICS LETTERS. ISSN 0003-6951, 2015, vol. 106, no. 14, 142403., Registrované v: WOS
2. [1.1] SHAH, M. - SATALKAR, M. - KANE, S. N. - GHODKE, N. L. - SINHA, A. K. - VARGA, L. K. - TEIXEIRA, J. M. - ARAUJO, J. P. Thermal Treatment Induced Modification of Structural, Surface and Bulk Magnetic Properties of Fe_{61.5}Co₅Ni₈Si_{13.5}B₉Nb₃ Metallic Glass. In 2ND INTERNATIONAL CONFERENCE ON CONDENSED MATTER AND APPLIED PHYSICS (ICC-2017). ISSN 0094-243X, 2018, vol. 1953, UNSP 120043., Registrované v: WOS

ADCA1202 ŠVEC, Peter Jr. - MAŤKO, Igor - MARCIN, Jozef - KOVÁČ, Jozef - VLASÁK, Gabriel - JANIČKOVIČ, Dušan - ŠKORVÁNEK, Ivan - ŠVEC, Peter. Structure and Properties of Soft-Magnetic Amorphous Bilayer Ribbons. In *Acta Physica Polonica A*, 2010, vol. 118, no. 5, p. 832-834. (2009: 0.433 - IF, Q4 - JCR, 0.268 - SJR, Q3 - SJR, Current Contents - CCC). (2010 - Current Contents, WOS, SCOPUS). ISSN 1898-794X.

Ohlasy:

1. [1.1] ZIVOTSKY, O. - TITOV, A. - JIRASKOVA, Y. - BURSİK, J. - HENDRYCH, A. - HRABOVSKA, K. - TSEPELEV, V. S. Surface and bulk magnetic anisotropy in bilayered CoSiB/FeNbCuSiB and FeNbSiB/FeSiB ribbons. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2016, vol. 681, pp. 402-411., Registrované v: WOS

ADCA1203 TAGUCHI, D. - SHINO, T. - CHEN, X. - ZHANG, L. - LI, J. - WEIS, Martin Jr. - MANAKA, T. - IWAMOTO, M. Analyzing carrier lifetime of double-layer organic solar cells by using optical electric-field-induced second-harmonic generation measurement. In *Applied Physics Letters*, 2011, vol. 98, no. 13, 133507. (2010: 3.841 - IF, Q1 - JCR, 2.920 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents, SCOPUS). ISSN 0003-6951. Dostupné na: <https://doi.org/10.1063/1.3574002>

Ohlasy:

1. [1.1] NAKANO, Kyohei - TAJIMA, Keisuke. Organic Planar Heterojunctions: From Models for Interfaces in Bulk Heterojunctions to High-Performance Solar Cells. In ADVANCED MATERIALS. ISSN 0935-9648, 2017, vol. 29, no. 25, 1603269., Registrované v: WOS

2. [1.1] OHASHI, Noboru - MIYADERA, Tetsuhiko - TAIMA, Tetsuya - YOSHIDA, Yuji. Evaluation of exciton diffusion length in highly oriented fullerene films of fullerene/p-Si(100) hybrid solar cells. In JAPANESE JOURNAL OF APPLIED PHYSICS. ISSN 0021-4922, 2019, vol. 58, no. 12, 121004., Registrované v: WOS

3. [1.1] WANG, Zongtao - WANG, Zhongqiang - ZHANG, Ruqin - GUO, Kunpeng - WU, Yuezheng - WANG, Hua - HAO, Yuying - CHEN, Guo. Urea-Doped ZnO Films as the Electron Transport Layer for High Efficiency Inverted Polymer Solar Cells. In FRONTIERS IN CHEMISTRY. ISSN 2296-2646, 2018, vol. 6, 398., Registrované v: WOS

ADCA1204 TAGUCHI, D. - SHINO, T. - ZHANG, L. - LI, J. - WEIS, Martin Jr. - MANAKA, T. - IWAMOTO, M. Direct probing of photovoltaic effect generated in double-layer organic solar cell by electric-field-induced optical second-harmonic generation. In *Applied Physics Express*, 2011, vol. 4, no. 2, 021602. (2010: 2.778 -

IF, Q1 - JCR, 1.560 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents). ISSN 1882-0778. Dostupné na: <https://doi.org/10.1143/APEX.4.021602>

Ohlasy:

1. [1.1] NAKANO, Kyohei - TAJIMA, Keisuke. Organic Planar Heterojunctions: From Models for Interfaces in Bulk Heterojunctions to High-Performance Solar Cells. In ADVANCED MATERIALS. ISSN 0935-9648, 2017, vol. 29, no. 25, 1603269., Registrované v: WOS
2. [1.1] TONG, Bo - ZHAO, Minji - TOKU, Yuhki - MORITA, Yasuyuki - JU, Yang. Local permittivity measurement of dielectric materials based on the non-contact force curve of microwave atomic force microscopy. In REVIEW OF SCIENTIFIC INSTRUMENTS. ISSN 0034-6748, 2019, vol. 90, no. 3, 033706., Registrované v: WOS
3. [1.1] ZARRABI, Ferdows B. - NASER-MOGHADASI, Mohammad. Plasmonic split ring resonator with energy enhancement for the application of bio-sensing and energy harvesting based on the second harmonic generation and multi Fano resonance. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2017, vol. 706, pp. 568-575., Registrované v: WOS

ADCA1205 ĽAPAJNA, Milan - PÍSEČNÝ, Pavol - LUPTÁK, Roman - HUŠKOVÁ, Kristína - FRÖHLICH, Karol - HARMATHA, L. - HOOKER, J.C. - ROOZEBOOM, F. - JERGEL, Matej. Application of Ru-based gate materials for CMOS technology. In *Materials science in semiconductor processing*, 2004, vol. 7, p. 271-276.

Ohlasy:

1. [1.1] HWANG, S.M. - GARAY, A.A. - CHOI, J.H. - CHUNG, C.W. Etch characteristics of Ru thin films using O-2/Ar, CH4/Ar, and O-2/CH4/Ar plasmas. In THIN SOLID FILMS. SEP 30 2016, vol. 615, p. 311-317., Registrované v: WOS
2. [1.1] CHIBA, H. - HIRANO, M. - KAWANO, K. - OSHIMA, N. - FUNAKUBO, H. In MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING. NOV 1 2017, vol. 70, SI, p. 73-77., Registrované v: WOS
3. [1.1] NOMURA, K. - KONDO, Y. - KAWAE, T. - MORIMOTO, A. In ECS SOLID STATE LETTERS. 2015, vol. 4, no. 5, p. N1-N4., Registrované v: WOS
4. [1.1] ZHANG, H.X. - ZHANG, C.M. - WANG, P.F. In 2015 China Semiconductor Technology International Conference. 2015, CSTIC 2015 7153392, Registrované v: WOS

ADCA1206 TER AKOPIAN, G.M. - HAMILTON, J.H. - OGANESSIAN, Yu.Ts. - KORMICKI, J. - POPEKO, G.S. - DANIEL, A.V. - RAMAYYA, A.V. - LU, Q. - BUTLER-MOORE, K. - MA, W.C. - DENG, J.K. - SHI, D. - KLIMAN, Ján - POLHORSKÝ, V. - MORHÁČ, Miroslav - GREINER, W. - SANDELESCU, A. - DOLE, J.D. - ARYAEINEJAD, R. - JOHNSON, N.R. - LEE, I.Y. - MCGOWAN, F.K. Neutron multiplicities and yields of correlated Zr-Ce and Mo-Ba fragment pairs in spontaneous fission of ²⁵²Cf. In *Physical Review Letters*, 1994, vol. 73, no. 11, p. 1477-1480. Dostupné na: <https://doi.org/10.1103/PhysRevLett.73.1477>

Ohlasy:

1. [1.1] MATERNA, T. - LETOURNEAU, A. - AMOUROUX, Ch. - MARCHIX, A. - LITAIZE, O. - SEROT, O. - REGNIER, D. - BLANC, A. - JENTSCHER, M. - KOESTER, U. - MUTTI, P. - SOLDNER, T. - SIMPSON, G.

- LEONI, S. - DE FRANCE, G. - URBAN, W. Fission studies by prompt gamma-ray spectrometry. In EPJ Web of Conferences, 2015, vol. 93, 02020., Registrované v: WOS
2. [1.1] MUSANGU, B. M. - THIBEAULT, A. H. - RICHARDS, T. H. - WANG, E. H. - HAMILTON, J. H. - ZACHARY, C. J. - ELDRIDGE, J. M. - RAMAYYA, A. - LUO, Y. X. - RASMUSSEN, J. O. - TER-AKOPIAN, G. M. - OGANESSIAN, Yu Ts - ZHU, S. J. Anomalous neutron yields confirmed for Ba-Mo and newly observed for Ce-Zr from spontaneous fission of Cf-252. In PHYSICAL REVIEW C. ISSN 2469-9985, 2020, vol. 101, no. 3, 034610., Registrované v: WOS
3. [1.1] PAHLAVANI, M. R. - JOHARIFARD, M. Isotopic yield and half-life of spontaneous fission for (284)Cn and (284)Fl superheavy isobars using direct calculation and semiempirical formulas. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 4, 044601., Registrované v: WOS
4. [1.1] SANTHOSH, Kolathu Parambil - CYRIAC, Annu. Studies on the cold binary fragmentation of even-even U230-250 isotopes. In COMPTES RENDUS PHYSIQUE. ISSN 1631-0705, 2019, vol. 20, no. 6, pp. 569-582., Registrované v: WOS
5. [1.1] SANTHOSH, K. P. - CYRIAC, Annu - KRISHNAN, Sreejith. Isotopic yield in cold binary fission of even-even Cf244-258 isotopes. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2016, vol. 949, no., pp. 8-21., Registrované v: WOS

ADCA1207 TER-AKOPIAN, G.M. - DANIEL, A.V. - FOMICHEV, A.S. - POPEKO, G.S. - RODIN, A.M. - OGANESSIAN, Y.T. - HAMILTON, J.H. - RAMAYYA, A.V. - KORMICKI, J. - HWANG, J.K. - FONG, D. - GORE, P. - COLE, J.D. - JANDEL, A. - KLIMAN, Ján - KRUPA, Ľuboš - RASMUSSEN, J.O. - LEE, IY. - MACCHAVELLI, A.O. - FALLON, P. - STOYER, A.A. - DONANGELO, R. - WU, S.C. - GREINER, W. New data on the ternary fission of Cf-252 from the gammasphere facility. In *Physics of Atomic Nuclei*, 2004, vol. 67, no. 10, p. 1860-1865. ISSN 1063-7788. Dostupné na: <https://doi.org/10.1134/1.1811191>

Ohlasy:

1. [1.1] KARPOV, A. V. Ternary fission of a heavy nuclear system within a three-center shell model. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 6, 064615., Registrované v: WOS
2. [1.1] SANTHOSH, K. P. - KRISHNAN, Sreejith - PRIYANKA, B. Isotopic yield in alpha accompanied ternary fission of Cf-252. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS. ISSN 0218-3013, 2015, vol. 24, no. 1, 1550001., Registrované v: WOS

ADCA1208 TER-AKOPIAN, G.M. - HAMILTON, J.H. - OGANESSIAN, Yu.Ts. - DANIEL, A.V. - KORMICKI, J. - RAMAYYA, A.V. - POPEKO, G.S. - BABU, B.R.S. - LU, Q.-H. - BUTLER-MOORE, K. - MA, W.C. - CWIOK, S. - NAZAREWICZ, W. - DENG, J.K. - SHI, D. - KLIMAN, Ján - MORHÁČ, Miroslav - COLE, J.D. - ARYAEINEJAD, R. - JOHNSON, N.R. - LEE, I.Y. - MCGOWAN, F.K. - SALADIN, J.X. New spontaneous fission mode for Cf-252: Indication of hyperdeformed Ba-144, Ba-145, Ba-146 at scission. In *Physical Review Letters*, 1996, vol. 77, no. 1, p. 32-35.

Ohlasy:

1. [1.1] MALIK, Sham S. Investigation of fine-structure dips in fission-fragment mass distribution: An asymmetric two centre shell model approach. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 960, pp. 180-197., Registrované v: WOS
2. [1.1] MALIK, Sham S. - MAZUMDAR, I. Role of quantum phase transition in spontaneous fission. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2019, vol. 990, pp. 220-243., Registrované v: WOS
3. [1.1] MANJUNATHA, H. C. - SOWMYA, N. - SRIDHAR, K. N. - SEENAPPA, L. A study of probable alpha-ternary fission fragments of Fm-257. In JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY. ISSN 0236-5731, 2017, vol. 314, no. 2, pp. 991-999., Registrované v: WOS
4. [1.1] MOELLER, Peter - SIERK, Arnold J. - ICHIKAWA, Takatoshi - IWAMOTO, Akira - MUMPOWER, Matthew. Fission barriers at the end of the chart of the nuclides. In PHYSICAL REVIEW C. ISSN 2469-9985, 2015, vol. 91, no. 2, 024310., Registrované v: WOS
5. [1.1] MUSANGU, B. M. - THIBEAULT, A. H. - RICHARDS, T. H. - WANG, E. H. - HAMILTON, J. H. - ZACHARY, C. J. - ELDRIDGE, J. M. - RAMAYYA, A. - LUO, Y. X. - RASMUSSEN, J. O. - TER-AKOPIAN, G. M. - OGANESSION, Yu Ts - ZHU, S. J. Anomalous neutron yields confirmed for Ba-Mo and newly observed for Ce-Zr from spontaneous fission of Cf-252. In PHYSICAL REVIEW C. ISSN 2469-9985, 2020, vol. 101, no. 3, 034610., Registrované v: WOS
6. [1.1] RODRIGUEZ-GUZMAN, R. - ROBLEDO, L. M. Microscopic description of fission in odd-mass uranium and plutonium nuclei with the Gogny energy density functional. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2017, vol. 53, no. 12, 245., Registrované v: WOS
7. [1.1] WANG, Taofeng - LI, Guangwu - ZHU, Liping - et al. Aspects of charge distribution measurement for Cf-252(sf). In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 96, no. 3, 034611., Registrované v: WOS

ADCA1209 TER-AKOPIAN, G.M. - HAMILTON, J.H. - OGANESSION, Y.T. - DANIEL, A.V. - KORMICKI, J. - RAMAYYA, A.V. - POPEKO, G.S. - BABU, B.R.S. - LU, Q.H. - BUTLERMOORE, K. - MA, W.C. - CWIOK, S. - NAZARAEWICZ, W. - DENG, J.K. - SHI, D. - KLIMAN, Ján - MORHÁČ, Miroslav - COLE, J.D. - ARYAEINEJAD, R. - JOHNSON, N.R. - LEE, I.Y. - MCGOWAN, F.K. - SALADIN, J.X. New spontaneous fission mode for Cf-251. In *Physical Review Letters*, 1996, vol. 77, no. 1, p. 32-35. (1995: 6.297 - IF). ISSN 0031-9007.

Ohlasy:

1. [1.1] KHAZOV, Yu - RODIONOV, A. - SHULYAK, G. Nuclear Data Sheets for A=146. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2016, vol. 136, no., pp. 163-451., Registrované v: WOS
2. [1.1] RODRIGUEZ-GUZMAN, R. - ROBLEDO, L. M. Microscopic description of fission in neutron-rich radium isotopes with the Gogny energy density functional. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2016, vol. 52, no. 1, 12., Registrované v: WOS
3. [1.1] SINGH, Pardeep - KAUR, Harjeet. Analysis of fission-fragment mass distribution within the quantum-mechanical fragmentation theory. In

ADCA1210 TER-AKOPIAN, G.M. - HAMILTON, J.H. - OGANESSIAN, Y.T. - DANIEL, A.V. - KORMICKI, J. - RAMAYYA, A.V. - POPEKO, G.S. - BABU, B.R.S. - LU, Q.H. - BUTLERMOORE, K. - MA, W.C. - JONES, E.F. - DENG, J.K. - SHI, D. - KLIMAN, Ján - MORHÁČ, Miroslav - COLE, J.D. - ARYAEINEJAD, R. - JOHNSON, N.R. - LEE, I.Y. - MCGOWAN, F.K. Yields of correlated fragment pairs in spontaneous fission of Cf-252. In *Physical Review C*, 1997, vol. 55, no. 3, p. 1146-1161. ISSN 2469-9985. Dostupné na:
<https://doi.org/10.1103/PhysRevC.55.1146>

Ohlasy:

1. [1.1] BUNAKOV, V. E. - KADMENSKY, S. G. - LYUBASHEVSKY, D. E. Effect of Transverse Vibrations of Fissile Nuclei on the Angular and Spin Distributions of Low-Energy Fission Fragments. In PHYSICS OF ATOMIC NUCLEI. ISSN 1063-7788, 2016, vol. 79, no. 3, pp. 304-312., Registrované v: WOS
2. [1.1] CAAMANO, Manuel - FARGET, Fanny. Energy balance and deformation at scission in Pu-240 fission. In PHYSICS LETTERS B. ISSN 0370-2693, 2017, vol. 770, pp. 72-76., Registrované v: WOS
3. [1.1] JAMIATI, M. Kinetic Energy Distribution for Neutron-Induced Fission of Thorium Isotopes. In PHYSICS OF ATOMIC NUCLEI. ISSN 1063-7788, 2020, vol. 83, no. 6, pp. 859-865., Registrované v: WOS
4. [1.1] KALDIANI, P. Mehdipour. Kinetic energy distribution for photofission of light actinides. In PHYSICAL REVIEW C. ISSN 0556-2813, 2020, vol. 102, no. 4, 044612., Registrované v: WOS
5. [1.1] MANJUNATHA, H. C. - SOWMYA, N. - SRIDHAR, K. N. - SEENAPPA, L. A study of probable alpha-ternary fission fragments of Fm-257. In JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY. ISSN 0236-5731, 2017, vol. 314, no. 2, pp. 991-999., Registrované v: WOS
6. [1.1] MUSANGU, B. M. - THIBEAULT, A. H. - RICHARDS, T. H. - WANG, E. H. - HAMILTON, J. H. - ZACHARY, C. J. - ELDRIDGE, J. M. - RAMAYYA, A. - LUO, Y. X. - RASMUSSEN, J. O. - TER-AKOPIAN, G. M. - OGANESSIAN, Yu Ts - ZHU, S. J. Anomalous neutron yields confirmed for Ba-Mo and newly observed for Ce-Zr from spontaneous fission of Cf-252. In PHYSICAL REVIEW C. ISSN 2469-9985, 2020, vol. 101, no. 3, 034610., Registrované v: WOS
7. [1.1] PASCA, H. - ANDREEV, A. - ADAMIAN, G. G. - ANTONENKO, N. - LACROIX, D. Toward an understanding of the anomaly in charge yield of Mo and Sn fragments in the fission reaction U-238(n, f). In PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 1., Registrované v: WOS
8. [1.1] PASCA, H. - ANDREEV, A. V. - ADAMIAN, G. G. - ANTONENKO, N. V. Transitions between symmetric and asymmetric modes in the region of heavy actinides. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2018, vol. 969, pp. 226-236., Registrované v: WOS
9. [1.1] PASCA, H. - ANDREEV, A. - ADAMIAN, G. G. - ANTONENKO, N. Change of the shape of mass and charge distributions in fission of Cf isotopes with excitation energy. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 6, 064611., Registrované v: WOS

10. [1.1] QI, L. - SCHMITT, C. - LEBOIS, M. - OBERSTEDT, A. - OBERSTEDT, S. - WILSON, J. N. - AL-ADILI, A. - CHATILLON, A. - CHOUDHURY, D. - GATERA, A. - GEORGIEV, G. - GOOK, A. - LAURENT, B. - MAJ, A. - MATEA, I. - ROSE, S. J. - WASILEWSKA, B. - ZEISER, F. Potential of prompt gamma-ray emission studies in fast-neutron induced fission: a first step. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2020, vol. 56, no. 3, 98., Registrované v: WOS
11. [1.1] WILSON, J. N. - LEBOIS, M. - QI, L. - AMADOR-CELDRAN, P. - et al. Anomalies in the Charge Yields of Fission Fragments from the U-238(n, f) Reaction. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2017, vol. 118, no. 22, UNSP 222501., Registrované v: WOS
12. [1.1] WILSON, J. N. - LEBOIS, M. - QI, L. - AMADOR-CELDRAN, P. - et al. Studies of fission fragment yields via high-resolution gamma-ray spectroscopy. In SCIENTIFIC WORKSHOP ON NUCLEAR FISSION DYNAMICS AND THE EMISSION OF PROMPT NEUTRONS AND GAMMA RAYS (THEORY-4). ISSN 2100-014X, 2018, vol. 169, UNSP 00030., Registrované v: WOS

ADCA1211 THURZO, Ilja - IVANČO, Ján. Attempts to correlate hydrogen plasma-induced and Si₃N₄/GaAs interface-related surface states: A charge deep-level transient spectroscopy study. In *Applied Surface Science*, 1997, vol. 108, no. 1, p. 187-196. (1996: 1.030 - IF, Current Contents - CCC). (1997 - Current Contents). ISSN 0169-4332.

Ohlasy:

1. [1.1] NISHIBAYASHI, Kazuhiro - KAWAZOE, Tadashi - SAITO, Shin - MORI, Tetsuji - FUKUDA, Hiroaki. Zero-field electron Larmorprecession in NiFe/SiN/GaAs nanohybrid structure at room temperature. In APPLIED PHYSICS EXPRESS. ISSN 1882-0778, 2018, vol. 11, no. 6, 063003., Registrované v: WOS

ADCA1212 THURZO, Ilja - TERAMURA, S. - DURNY, R. - NÁDAŽDY, Vojtech - KUMEDA, M. - SHIMIZU, T. Characterization of a-Si:H based metal/insulator/semiconductor structures by feedback charge capacitance-voltage measurements and charge deep-level transient spectroscopy. In *Journal of Applied Physics*, 1997, vol. 82, no. 9, p. 4372-4377. (1996: 1.812 - IF, Current Contents - CCC). (1997 - Current Contents, SCOPUS). ISSN 0021-8979. Dostupné na: <https://doi.org/10.1063/1.366247>

Ohlasy:

1. [1.1] XU, Menglei - WANG, Chong - BEARDA, Twan - SIMOEN, Eddy - RADHAKRISHNAN, Hariharsudan Sivaramakrishnan - GORDON, Ivan - LI, Wei - SZLUFCHIK, Jozef - POORTMANS, Jef. Dry Passivation Process for Silicon Heterojunction Solar Cells Using Hydrogen Plasma Treatment Followed by In Situ a-Si: H Deposition. In IEEE JOURNAL OF PHOTOVOLTAICS. ISSN 2156-3381, 2018, vol. 8, no. 6, pp. 1539-1545., Registrované v: WOS

ADCA1213 THURZO, Ilja - NÁDAŽDY, Vojtech - TERAMURA, S. - DURNY, R. - KUMEDA, M. - SHIMIZU, T. Small-signal deep level transient spectroscopy on hydrogenated amorphous silicon based metal/insulator/semiconductor structures. In *Journal of Applied Physics*, 1998, vol. 84, no. 12, p. 6906-6910. (1997: 1.630 - IF,

Current Contents - CCC). (1998 - Current Contents, SCOPUS). ISSN 0021-8979.
Dostupné na: <https://doi.org/10.1063/1.368978>

Ohlasy:

1. [1.1] HSU, P-C - SIMOEN, E. - LIN, D. - STESMANS, A. - GOUX, L. - DELHOUGNE, R. - CAROLAN, P. - BENDER, H. - KAR, G. S. A Deep Level Transient Spectroscopy Study of Hole Traps in GexSe1-x-based Layers for Ovonic Threshold Switching Selectors. In ECS JOURNAL OF SOLID STATE SCIENCE AND TECHNOLOGY. ISSN 2162-8769, 2020, vol. 9, no. 4, 044006., Registrované v: WOS
2. [1.1] XU, Menglei - WANG, Chong - BEARDA, Twan - SIMOEN, Eddy - RADHAKRISHNAN, Hariharsudan Sivaramakrishnan - GORDON, Ivan - LI, Wei - SZLUFCHIK, Jozef - POORTMANS, Jef. Dry Passivation Process for Silicon Heterojunction Solar Cells Using Hydrogen Plasma Treatment Followed by In Situ a-Si: H Deposition. In IEEE JOURNAL OF PHOTOVOLTAICS. ISSN 2156-3381, 2018, vol. 8, no. 6, pp. 1539-1545., Registrované v: WOS

ADCA1214 THURZO, Ilja - PINČÍK, Emil - HARMATHA, L. Transient charging of MIS diodes prepared by Al overlayer induced plasma oxidation of INP. In *Semiconductor Science and Technology*, 1992, vol. 7, no. 3, p. 418-422. (1991: 1.410 - IF, Current Contents - CCC). (1992 - Current Contents). ISSN 0268-1242.

Ohlasy:

1. [1.1] REDDY, K. Hemalata - PARIDA, Kulamani - SATAPATHY, Pramoda Kumar. CuO/PbTiO₃: A new-fangled p-n junction designed for the efficient absorption of visible light with augmented interfacial charge transfer, photoelectrochemical and photocatalytic activities. In JOURNAL OF MATERIALS CHEMISTRY A. ISSN 2050-7488, 2017, vol. 5, no. 38, pp. 20359-20373., Registrované v: WOS

ADCA1215 TIŇO, Jozef - KRIŠTIÁK, Jozef - HLOUŠKOVÁ, Zuzana - ŠAUŠA, Ondrej. Positron-annihilation studies of polyethylene filled with ultrasil. In *European Polymer Journal*, 1993, vol. 29, iss. 1, p. 95-97. (1992: 0.834 - IF, Current Contents - CCC). (1993 - Current Contents). ISSN 0014-3057. Dostupné na: [https://doi.org/10.1016/0014-3057\(93\)90278-N](https://doi.org/10.1016/0014-3057(93)90278-N)

Ohlasy:

1. [1.1] ISMAIL, A.M. - MAHMOUD, K.R. - ABD-EL SALAM, M.H. Electrical conductivity and positron annihilation characteristics of ternary silicone rubber/carbon black/TiB₂ nanocomposites. In POLYMER TESTING. ISSN 0142-9418, DEC 2015, vol. 48, p. 37-43., Registrované v: WOS

ADCA1216 TINO, J. - KRIŠTIÁK, Jozef - HLOUSKOVA, Z. - ŠAUŠA, Ondrej. Positron-annihilation studies of polyethylene filled with ultrasil. In *European Polymer Journal*, 1993, vol. 29, no. 1, p. 95-97. (1992: 0.834 - IF, Current Contents - CCC). (1993 - Current Contents). ISSN 0014-3057. Dostupné na: [https://doi.org/10.1016/0014-3057\(93\)90278-N](https://doi.org/10.1016/0014-3057(93)90278-N)

Ohlasy:

1. [1.1] ISMAIL, A. M. - MAHMOUD, K. R. - ABD-EL SALAM, M. H. Electrical conductivity and positron annihilation characteristics of ternary silicone rubber/carbon black/TiB₂ nanocomposites. In POLYMER TESTING. ISSN 0142-9418, 2015, vol. 48, pp. 37-43., Registrované v: WOS

ADCA1217 TISOVSKÝ, Pavol** - GÁPLOVSKÝ, Anton - GMUCOVÁ, Katarína - NOVOTA, Miroslav - PAVÚK, Milan - WEIS, Martin. Synthesis and characterization of new [1]benzothieno[3,2-b]benzothiophene derivatives with alkyl-thiophene core for application in organic field-effect transistors. In *Organic Electronics*, 2019, vol. 68, p. 121-128. (2018: 3.495 - IF, Q1 - JCR, 0.937 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 1566-1199. Dostupné na: <https://doi.org/10.1016/j.orgel.2018.12.002>

Ohlasy:

1. [1.1] BISWAS, Soumava - MANDAL, Leena - SHEN, Yongbing - YAMASHITA, Masahiro. Exploration of SMM behavior of Ln(2) complexes derived from thianaphthene-2-carboxylic acid. In DALTON TRANSACTIONS. ISSN 1477-9226, 2019, vol. 48, no. 37, pp. 14096-14102., Registrované v: WOS
2. [1.1] DEMINA, Nadezhda S. - KAZIN, Nikita A. - RASPUTIN, Nikolay A. - IRGASHEV, Roman A. - RUSINOV, Gennady L. Synthesis of aryl-substituted thieno[3,2-b]thiophene derivatives and their use for N,S-heterotetracene construction. In BEILSTEIN JOURNAL OF ORGANIC CHEMISTRY. ISSN 1860-5397, 2019, vol. 15, pp. 2678-2683., Registrované v: WOS
3. [1.1] SAHOO, Smruti Ranjan - SHARMA, Sagar - SAHU, Sridhar. A computational study of anisotropic charge transport in air-stable fluorinated benzobisbenzothiophene (FBBBT) derivatives. In JOURNAL OF MOLECULAR MODELING. ISSN 1610-2940, 2020, vol. 26, no. 1, 14., Registrované v: WOS

ADCA1218 TITOV, A.** - JIRASKOVA, Y. - ZIVOTSKY, O. - BURSIK, J. - JANIČKOVIČ, Dušan. Microstructure and magnetism of Co₂FeAl Heusler alloy prepared by arc and induction melting compared with planar flow casting. In *AIP Advances*, 2018, vol. 8, no. 4, art. no. 047206. (2017: 1.653 - IF, Q3 - JCR, 0.472 - SJR, Q2 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 2158-3226. Dostupné na: <https://doi.org/10.1063/1.4993698>

Ohlasy:

1. [1.1] AHMAD, Aquil - SRIVASTAVA, S. K. - DAS, A. K. Phase stability and the effect of lattice distortions on electronic properties and half-metallic ferromagnetism of Co₂FeAl Heusler alloy: an ab initio study. In JOURNAL OF PHYSICS-CONDENSED MATTER. ISSN 0953-8984, 2020, vol. 32, no. 41, 415606., Registrované v: WOS
2. [1.1] KLICPERA, M. - KRATOCHVILOVA, M. - KOVALIUK, T. - VALENTA, J. - COLMAN, R. H. Characterization, specific heat and magnetization measurements on Ni(2)YZ Heusler alloys. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2020, vol. 513, 167083., Registrované v: WOS
3. [1.1] YADAV, Ravi Kumar - GOVINDARAJ, R. An atomic scale study of defects in Co₂FeAl. In PHYSICAL CHEMISTRY CHEMICAL PHYSICS. ISSN 1463-9076, 2020, vol. 22, no. 46, pp. 26876-26886., Registrované v: WOS

ADCA1219 TOKÁR, Kamil - DERIAN, René - MITAŠ, L. - ŠTICH, Ivan. Charged vanadium-benzene multidecker clusters: DFT and quantum Monte Carlo study. In *Journal of Chemical Physics*, 2016, vol. 144, no. 6, 064303. (2015: 2.894 - IF, Q2 - JCR, 1.255 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0021-9606. Dostupné na: <https://doi.org/10.1063/1.4941085>

Ohlasy:

1. [1.1] ISAAC MOREIRA, E. M. - BRITO, B. G. A. - HIGINO DAMASCENO, J. - TEIXEIRA RABELO, J. N. - HAI, G.Q. - CANDIDO, L. Quantum Monte Carlo study of the electron binding energies and aromaticity of small neutral and charged boron clusters. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2018, vol. 149, no. 21, 214303., Registrované v: WOS
2. [1.1] MARKS, Joshua H. - WARD, Timothy B. - BRATHWAITE, Antonio D. - FERGUSON, Sojourna - DUNCAN, Michael A. Cyclotrimerization of Acetylene in Gas Phase $V+(C_2H_2)(n)$ Complexes: Detection of Intermediates and Products with Infrared Spectroscopy. In JOURNAL OF PHYSICAL CHEMISTRY A. ISSN 1089-5639, 2019, vol. 123, no. 31, pp. 6733-6743., Registrované v: WOS

ADCA1220 TOKÁR, Kamil - BRNDIAR, Ján - ŠTICH, Ivan**. Raman Activity of Multilayer Phosphorene under Strain. In *ACS Omega*, 2019, vol. 4, no. 27, p. 22418-22425. (2018: 2.584 - IF, Q2 - JCR, 0.754 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 2470-1343. Dostupné na: <https://doi.org/10.1021/acsomega.9b02969>

Ohlasy:

1. [1.1] KARKI, Bhupendra - FREELON, Byron - RAJAPAKSE, Manthila - MUSA, Rajib - RIYADH, S. M. Shah - MORRIS, Blake - ABU, Usman - YU, Ming - SUMANASEKERA, Gamini - JASINSKI, Jacek B. Strain-induced vibrational properties of few layer black phosphorus and MoTe(2) via Raman spectroscopy. In NANOTECHNOLOGY. ISSN 0957-4484, 2020, vol. 31, no. 42, 425707., Registrované v: WOS

ADCA1221 TOKÁR, Kamil - DERIAN, René - BRNDIAR, Ján - ŠTICH, Ivan. Strain control of vibrational properties of few layer phosphorene. In *Journal of Applied Physics*, 2016, vol. 120, no. 19, 194305. (2015: 2.101 - IF, Q2 - JCR, 0.821 - SJR, Q2 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0021-8979. Dostupné na: <https://doi.org/10.1063/1.4968009>

Ohlasy:

1. [1.1] BIROWSKA, Magdalena - URBAN, Joanna - BARANOWSKI, Michal - MAUDE, Duncan K. - PLOCHOCKA, Pauline - SZWACKI, Nevill Gonzalez. The impact of hexagonal boron nitride encapsulation on the structural and vibrational properties of few layer black phosphorus. In NANOTECHNOLOGY. ISSN 0957-4484, 2019, vol. 30, no. 19, 195201., Registrované v: WOS
2. [1.1] FISHER, D. J. Elemental Graphene Analogues. In ELEMENTAL GRAPHENE ANALOGUES. ISSN 2471-8890, 2017, vol. 14, no., pp. COVER1-U6., Registrované v: WOS
3. [1.1] PYRCHLA, Krzysztof - BOGDANOWICZ, Robert. Density functional LCAO calculations of vibrational modes and phonon density of states in the strained single-layer phosphorene. In APPLIED SURFACE SCIENCE. ISSN 0169-4332, 2020, vol. 528, 147033., Registrované v: WOS
4. [1.1] SUN, Yufei - LIU, Kai. Strain engineering in functional 2-dimensional materials. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2019, vol. 125, no. 8, 082402., Registrované v: WOS
5. [1.1] UMRAO, Sima - NIRALA, Narsingh R. - KHANDELWAL,

Gaurav - KUMAR, Vinod. Synthesis and Characterization of Phosphorene: A Novel 2D Material. In NANOMATERIALS: BIOMEDICAL, ENVIRONMENTAL, AND ENGINEERING APPLICATIONS, 2018, vol., no., pp. 61-92., Registrované v: WOS

6. [1.1] ZHANG, Liang - LI, Hai - SUN, Changqing - OUYANG, Gang. Strain engineering of the lattice vibration modes in monolayer black phosphorus. In JOURNAL OF RAMAN SPECTROSCOPY. ISSN 0377-0486, 2020, vol. 51, no. 2, pp. 213-220., Registrované v: WOS

ADCA1222 TOKÁROVÁ, Zita** - MAXIANOVÁ, Petra - VÁRY, Tomáš - NÁDAŽDY, Vojtech - VÉGH, Daniel - TOKÁR, Kamil. Thiophene-centered azomethines: Structure, photophysical and electronic properties. In *Journal of Molecular Structure*, 2020, vol. 1204, no. 12, 127492. (2019: 2.463 - IF, Q3 - JCR, 0.450 - SJR, Q2 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 0022-2860. Dostupné na: <https://doi.org/10.1016/j.molstruc.2019.127492>

Ohlasy:

1. [1.1] ANDERSON, Craig M. - COFFEY, Belle - MORALES, Leslie - GREENBERG, Matthew W. - NORMAN, Matthew - WEINSTEIN, Michael - BROWN, Garrett - TANSKI, Joseph M. Platinum Complexes from C-H Activation of Sterically Hindered [C boolean AND N] Donor Benzothiophene Imine Ligands: Synthesis and Photophysical Properties. In ACS OMEGA. ISSN 2470-1343, 2020, vol. 5, no. 41, pp. 26855-26863., Registrované v: WOS

2. [1.1] PAJAK, Agnieszka Katarzyna - GNIDA, Pawel - KOTOWICZ, Sonia - MALECKI, Jan Grzegorz - LIBERA, Marcin - BEDNARCZYK, Katarzyna - SCHAB-BALCERZAK, Ewa. New Thiophene Imines Acting as Hole Transporting Materials in Photovoltaic Devices. In ENERGY & FUELS. ISSN 0887-0624, 2020, vol. 34, no. 8, pp. 10160-10169., Registrované v: WOS

ADCA1223 TOMASI-GUSTAVSSON, E. - GAKH, G.I. - ADAMUŠČIN, Cyril. Two-component model for the deuteron electromagnetic structure. In *Physical Review C*, 2006, vol. 73, no. 4, 045204. Dostupné na: <https://doi.org/10.1103/PhysRevC.73.045204>

Ohlasy:

1. [1.1] LIANG CUI-YING - DONG YU-BING. Deuteron form factors in a phenomenological approach. In CHINESE PHYSICS C. ISSN 1674-1137, 2015, vol. 39, no. 10, 104104., Registrované v: WOS

2. [1.1] RIOS, D. Balaguer - AULENBACHER, K. - BAUNACK, S. - DIEFENBACH, J. - GLAESER, B. - VON HARRACH, D. - IMAI, Y. - KABUSS, E.M. - KOTHE, R. - LEE, J. H. - MERKEL, H. - ESPI, M. C. Mora - MUELLER, U. - SCHILLING, E. - WEINRICH, C. - CAPOZZA, L. - MAAS, F. E. - ARVIEUX, J. - EL-YAKOUBI, M. A. - FRASCARIA, R. - KUNNE, R. A. - ONG, S. - VAN DE WIELE, J. - KOWALSKI, S. - PROK, Y. Measurement of the parity violating asymmetry in the quasielastic electron-deuteron scattering and improved determination of the magnetic strange form factor and the isovector anapole radiative correction. In PHYSICAL REVIEW D. ISSN 2470-0010, 2016, vol. 94, no. 5, 035201., Registrované v: WOS

ADCA1224 TOPAL, Ugur - CAN, Hava** - ÇELİK, Oguzhan Merdan - NARMAN, Ahmet - KAMIŞ, Murat - ÇITAK, Veysel - ÇAKRAK, Demet - SÖZERI, Hüseyin - ŠVEC, Peter. Design of Fluxgate Sensors for Different

Applications from Geology to Medicine. In *Journal of Superconductivity and Novel Magnetism*, 2019, vol. 32, no. 4, p. 839-844. (2018: 1.130 - IF, Q3 - JCR, 0.291 - SJR, Q3 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 1557-1939. Dostupné na: <https://doi.org/10.1007/s10948-018-4781-x>

Ohlasy:

1. [1.1] YUAN, Zhenzhong - ZHANG, Yuxin - WANG, Dong - JIANG, Yingdan - GUO, Ronghai. Research on the Orthogonal Fundamental Mode Fluxgate Sensor Circuit. In *IEEE ACCESS*. ISSN 2169-3536, 2020, vol. 8, pp. 150665-150671., Registrované v: WOS

ADCA1225 TRAVĚNEC, Igor - MARKOŠ, Peter. Critical conductance distribution in various dimensions. In *Physical Review B*, 2002, vol. 65, no. 11, 113109. (2001: 3.070 - IF, Current Contents - CCC). (2002 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.65.113109>

Ohlasy:

1. [1.1] STICLET, Doru - AKHMEROV, Anton. Attractive critical point from weak antilocalization on fractals. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2016, vol. 94, no. 16, 161115., Registrované v: WOS

ADCA1226 TRAVĚNEC, Igor. Localization in 2D quantum percolation. In *Physica Status Solidi B*, 2008. Vol. 245, no.8, p. 1604-1610. ISSN 0370-1972. Dostupné na: <https://doi.org/10.1002/pssb.200743235>

Ohlasy:

1. [1.1] YAMADA, Hiroaki S. Delocalization in one-dimensional tight-binding models with fractal disorder II: existence of mobility edge. In *EUROPEAN PHYSICAL JOURNAL B*. ISSN 1434-6028, 2016, vol. 89, no. 7, 158., Registrované v: WOS

ADCA1227 TRAVĚNEC, Igor. Metal-insulator transition in 3D quantum percolation. In *International Journal of Modern Physics B*, 2008. Vol. 22, no. 29, p. 5217-5227. ISSN 0217-9762.

Ohlasy:

1. [1.1] MANO, Tomohiro - OHTSUKI, Tomi. Phase Diagrams of Three-Dimensional Anderson and Quantum Percolation Models Using Deep Three-Dimensional Convolutional Neural Network. In *JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN*. ISSN 0031-9015, 2017, vol. 86, no. 11, 113704., Registrované v: WOS
2. [1.1] MOKHTARI, M. - ZEKRI, L. - KAIS, A. - ZEKRI, N. Effect of film thickness on the width of percolation threshold in metal-dielectric composites. In *CONDENSED MATTER PHYSICS*. ISSN 1607-324X, 2016, vol. 19, no. 4, 43001., Registrované v: WOS

ADCA1228 TRAVĚNEC, Igor - ŠAMAJ, Ladislav. Optimized t-expansion method for the Rabi Hamiltonian. In *Physics Letters A*, 2011, vol. 375, no. 45, p. 4104-4108. (2010: 1.963 - IF, Q2 - JCR, 0.932 - SJR, Q2 - SJR, Current Contents - CCC). (2011 - Current Contents). ISSN 0375-9601. Dostupné na: <https://doi.org/10.1016/j.physleta.2011.09.051>

Ohlasy:

1. [1.1] CORDSHOOLI, Ghasem Asadi - MIRZAEI, Mehdi. Mean

field theory for the quantum Rabi model, inconsistency to the rotating wave approximation. In *PHYSICS LETTERS A*. ISSN 0375-9601, 2020, vol. 384, no. 14, 126287., Registrované v: WOS

ADCA1229 TRAVĚNEC, Igor - ŠAMAJ, Ladislav. Phase diagram and critical properties of Yukawa bilayers. In *Physical Review E. Statistical, Nonlinear and Soft Matter Physics*, 2015, vol. 92, no. 2, 022306. (2014: 2.288 - IF, Q1 - JCR, 1.244 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 2470-0045. Dostupné na: <https://doi.org/10.1103/PhysRevE.92.022306>

Ohlasy:

1. [1.1] PAN, Hong - KALMAN, Gabor J. - HARTMANN, Peter - DONKO, Zoltan. Strongly coupled Yukawa trilayer liquid: Structure and dynamics. In *PHYSICAL REVIEW E*. ISSN 2470-0045, 2020, vol. 102, no. 4, 043206., Registrované v: WOS
2. [1.1] ZAMPETAKI, A. V. - HUANG, H. - DU, C.R. - LOEWEN, H. - IVLEV, A. V. Buckling of two-dimensional plasma crystals with nonreciprocal interactions. In *PHYSICAL REVIEW E*. ISSN 2470-0045, 2020, vol. 102, no. 4, 043204., Registrované v: WOS

ADCA1230 TRAVĚNEC, Igor. Reply to "Comment on Solvability of the two-photon Rabi Hamiltonian". In *Physical Review A*, 2015, vol. 91, no. 3, 037802. (2014: 2.808 - IF, Q1 - JCR, 2.201 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.91.037802>

Ohlasy:

1. [1.1] CONG, Lei - SUN, Xi-Mei - LIU, Maoxin - YING, Zu-Jian - LUO, Hong-Gang. Polaron picture of the two-photon quantum Rabi model. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2019, vol. 99, no. 1, 013815., Registrované v: WOS
2. [1.1] CONG, L. - FELICETTI, S. - CASANOVA, J. - LAMATA, L. - SOLANO, E. - ARRAZOLA, I. Selective interactions in the quantum Rabi model. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2020, vol. 101, no. 3, 032350., Registrované v: WOS
3. [1.1] CUI, Shifeng - GREMAUD, B. - GUO, Wenan - BATROUNI, G. G. Nonlinear two-photon Rabi-Hubbard model: Superradiance, photon, and photon-pair Bose-Einstein condensates. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2020, vol. 102, no. 3, 033334., Registrované v: WOS
4. [1.1] CUI, Shifeng - HEBERT, F. - GREMAUD, B. - ROUSSEAU, V. G. - GUO, Wenan - BATROUNI, G. G. Two-photon Rabi-Hubbard and Jaynes-Cummings-Hubbard models: Photon-pair superradiance, Mott insulator, and normal phases. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2019, vol. 100, no. 3, 033608., Registrované v: WOS
5. [1.1] DUAN, Liwei - XIE, You-Fei - CHEN, Qing-Hu. The mixed quantum Rabi model. In *SCIENTIFIC REPORTS*. ISSN 2045-2322, 2019, vol. 9, 18353., Registrované v: WOS
6. [1.1] FELICETTI, Simone - RICO, Enrique - SABIN, Carlos - OCKENFELS, Till - KOCH, Johannes - LEDER, Martin - GROSSERT, Christopher - WEITZ, Martin - SOLANO, Enrique. Quantum Rabi model in the Brillouin zone with ultracold atoms. In *PHYSICAL REVIEW A*. ISSN

- 2469-9926, 2017, vol. 95, no. 1, 013827., Registrované v: WOS
7. [1.1] FELICETTI, S. - PEDERNALES, J. S. - EGUSQUIZA, I. L. - ROMERO, G. - LAMATA, L. - BRAAK, D. - SOLANO, E. Spectral collapse via two-phonon interactions in trapped ions. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 92, no. 3, 033817., Registrované v: WOS
 8. [1.1] FELICETTI, S. - ROSSATTO, D. Z. - RICO, E. - SOLANO, E. - FORN-DIAZ, P. Two-photon quantum Rabi model with superconducting circuits. In PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 97, no. 1, 013851., Registrované v: WOS
 9. [1.1] GARBE, L. - EGUSQUIZA, I. L. - SOLANO, E. - CIUTI, C. - COUDREAU, T. - MILMAN, P. - FELICETTI, S. Superradiant phase transition in the ultrastrong-coupling regime of the two-photon Dicke model. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 95, no. 5, 053854., Registrované v: WOS
 10. [1.1] CHAN, Ching Kwan. Bound states of two-photon Rabi model at the collapse point. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2020, vol. 53, no. 38, 385303., Registrované v: WOS
 11. [1.1] LI, Jiong - CHEN, Qing-Hu. Two-photon Rabi-Stark model. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2020, vol. 53, no. 31, 315301., Registrované v: WOS
 12. [1.1] LO, C. F. Demystifying the spectral collapse in two-photon Rabi model. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2020, vol. 10, no. 1, 14792., Registrované v: WOS
 13. [1.1] LO, C. F. Manipulating the spectral collapse in two-photon Rabi model. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2020, vol. 10, no. 1, 18761., Registrované v: WOS
 14. [1.1] LUPO, Elena - NAPOLI, Anna - MESSINA, Antonino - SOLANO, Enrique - EGUSQUIZA, Inigo L. A continued fraction based approach for the Two-photon Quantum Rabi Model. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2019, vol. 9, 4156., Registrované v: WOS
 15. [1.1] XIE, Qiongtao - ZHONG, Honghua - BATCHELOR, Murray T. - LEE, Chaohong. The quantum Rabi model: solution and dynamics. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2017, vol. 50, no. 11, 113001., Registrované v: WOS
 16. [1.1] XIE, You-Fei - DUAN, Liwei - CHEN, Qing-Hu. Generalized quantum Rabi model with both one- and two-photon terms: A concise analytical study. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 99, no. 1, 013809., Registrované v: WOS

ADCA1231 TRAVĚNEC, Igor. Solvability of the two-photon Rabi Hamiltonian. In *Physical Review A*, 2012, vol. 85, no. 4, 043805. (2011: 2.878 - IF, Q1 - JCR, 2.316 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.85.043805>

Ohlasy:

1. [1.1] ABDALLA, M. Sebaweh - KHALIL, E. M. - OBADA, A.S. F. Time-dependent interaction between a two-level atom and a $su(1,1)$ Lie algebra quantum system. In INTERNATIONAL JOURNAL OF MODERN PHYSICS B. ISSN 0217-9792, 2017, vol. 31, no. 15, 1750211., Registrované v: WOS
2. [1.1] ABDEL-KHALEK, S. - A. HALAWANI, S. H. - OBADA, A-S.

- F. Effect of Time Dependent Coupling on the Dynamical Properties of the Nonlocal Correlation Between Two Three-Level Atoms. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2017, vol. 56, no. 9, pp. 2898-2910., Registrované v: WOS
3. [1.1] ADANMITONDE, A. J. - AVOSSEVOU, G. Y. H. - DOSSA, F. A. Quantization of Some Generalized Jaynes-Cummings Models in a Kerr-Like Medium. In THEORETICAL AND MATHEMATICAL PHYSICS. ISSN 0040-5779, 2020, vol. 203, no. 3, pp. 824-836., Registrované v: WOS
4. [1.1] BRAAK, Daniel. Analytical Solutions of Basic Models in Quantum Optics. In APPLICATIONS + PRACTICAL CONCEPTUALIZATION + MATHEMATICS = FRUITFUL INNOVATION. ISSN 2198-350X, 2016, vol. 11, no., pp. 75-92., Registrované v: WOS
5. [1.1] CASANOVA, Jorge - PUEBLA, Ricardo - MOYA-CESSA, Hector - PLENIO, Martin B. Connecting nth order generalised quantum Rabi models: Emergence of nonlinear spin-boson coupling via spin rotations. In NPJ QUANTUM INFORMATION. ISSN 2056-6387, 2018, vol. 4, 47., Registrované v: WOS
6. [1.1] CONG, Lei - SUN, Xi-Mei - LIU, Maoxin - YING, Zu-Jian - LUO, Hong-Gang. Polaron picture of the two-photon quantum Rabi model. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 99, no. 1, 013815., Registrované v: WOS
7. [1.1] CONG, L. - FELICETTI, S. - CASANOVA, J. - LAMATA, L. - SOLANO, E. - ARRAZOLA, I. Selective interactions in the quantum Rabi model. In PHYSICAL REVIEW A. ISSN 2469-9926, 2020, vol. 101, no. 3, 032350., Registrované v: WOS
8. [1.1] CUI, Shifeng - GREMAUD, B. - GUO, Wenan - BATROUNI, G. G. Nonlinear two-photon Rabi-Hubbard model: Superradiance, photon, and photon-pair Bose-Einstein condensates. In PHYSICAL REVIEW A. ISSN 2469-9926, 2020, vol. 102, no. 3, 033334., Registrované v: WOS
9. [1.1] CUI, Shifeng - HEBERT, F. - GREMAUD, B. - ROUSSEAU, V. G. - GUO, Wenan - BATROUNI, G. G. Two-photon Rabi-Hubbard and Jaynes-Cummings-Hubbard models: Photon-pair superradiance, Mott insulator, and normal phases. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 3, 033608., Registrované v: WOS
10. [1.1] CUI, Shuai - CAO, Jun-Peng - FAN, Heng - AMICO, Luigi. Exact analysis of the spectral properties of the anisotropic two-bosons Rabi model. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2017, vol. 50, no. 20, 204001., Registrované v: WOS
11. [1.1] DODONOV, A. V. - NAPOLI, A. - MILITELLO, B. Emulation of n-photon Jaynes-Cummings and anti-Jaynes-Cummings models via parametric modulation of a cyclic qutrit. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 99, no. 3, 033823., Registrované v: WOS
12. [1.1] DONG, Kun. Dynamics of two arbitrary qubits strongly coupled to a quantum oscillator. In CHINESE PHYSICS B. ISSN 1674-1056, 2016, vol. 25, no. 12, 124202., Registrované v: WOS
13. [1.1] DUAN, Liwei - HE, Shu - CHEN, Qing-Hu. Concise analytic solutions to the quantum Rabi model with two arbitrary qubits. In ANNALS OF PHYSICS. ISSN 0003-4916, 2015, vol. 355, pp. 121-129., Registrované v: WOS
14. [1.1] DUAN, Liwei - HE, Shu - BRAAK, Daniel - CHEN, Qing-Hu.

- Solution of the two-mode quantum Rabi model using extended squeezed states. In EPL. ISSN 0295-5075, 2015, vol. 112, no. 3, 34003., Registrované v: WOS
15. [1.1] DUAN, Liwei - XIE, You-Fei - BRAAK, Daniel - CHEN, Qing-Hu. Two-photon Rabi model: analytic solutions and spectral collapse. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2016, vol. 49, no. 46, pp. 1-13., Registrované v: WOS
16. [1.1] DUAN, Liwei - XIE, You-Fei - CHEN, Qing-Hu. The mixed quantum Rabi model. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2019, vol. 9, no., 18353., Registrované v: WOS
17. [1.1] FELICETTI, Simone - RICO, Enrique - SABIN, Carlos - OCKENFELS, Till - KOCH, Johannes - LEDER, Martin - GROSSERT, Christopher - WEITZ, Martin - SOLANO, Enrique. Quantum Rabi model in the Brillouin zone with ultracold atoms. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 95, no. 1, 013827., Registrované v: WOS
18. [1.1] FELICETTI, Simone - HWANG, Myung-Joong - LE BOITE, Alexandre. Ultrastrong-coupling regime of nondipolar light-matter interactions. In PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 98, no. 5, 053859., Registrované v: WOS
19. [1.1] FELICETTI, S. - PEDERNALES, J. S. - EGUSQUIZA, I. L. - ROMERO, G. - LAMATA, L. - BRAAK, D. - SOLANO, E. Spectral collapse via two-phonon interactions in trapped ions. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 92, no. 3, 033817., Registrované v: WOS
20. [1.1] FELICETTI, S. - ROSSATTO, D. Z. - RICO, E. - SOLANO, E. - FORN-DIAZ, P. Two-photon quantum Rabi model with superconducting circuits. In PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 97, no. 1, 013851., Registrované v: WOS
21. [1.1] FERANCHUK, I. D. - LEONOV, A. V. - SKOROMNIK, O. D. Physical background for parameters of the quantum Rabi model. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2016, vol. 49, no. 45, 454001., Registrované v: WOS
22. [1.1] GARBE, L. - EGUSQUIZA, I. L. - SOLANO, E. - CIUTI, C. - COUDREAU, T. - MILMAN, P. - FELICETTI, S. Superradiant phase transition in the ultrastrong-coupling regime of the two-photon Dicke model. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 95, no. 5, 053854., Registrované v: WOS
23. [1.1] HU, Xian-Lei. The Phase Transition in Two-Photon Rabi Model Under Mean Field Approximation. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2019, vol. 58, no. 11, pp. 3765-3772., Registrované v: WOS
24. [1.1] CHAN, Ching Kwan. Bound states of two-photon Rabi model at the collapse point. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2020, vol. 53, no. 38, 385303., Registrované v: WOS
25. [1.1] CHEN, Xiang-You - ZHANG, Yu-Yu. Finite-size scaling analysis in the two-photon Dicke model. In PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 97, no. 5, 053821., Registrované v: WOS
26. [1.1] LE BOITE, Alexandre. Theoretical Methods for Ultrastrong Light-Matter Interactions. In ADVANCED QUANTUM TECHNOLOGIES, 2020, vol. 3, no. 7, 1900140., Registrované v: WOS
27. [1.1] LI, Jiong - CHEN, Qing-Hu. Two-photon Rabi-Stark model. In

- JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2020, vol. 53, no. 31, 315301., Registrované v: WOS
28. [1.1] LO, C. F. Demystifying the spectral collapse in two-photon Rabi model. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2020, vol. 10, no. 1, 14792., Registrované v: WOS
29. [1.1] LO, C. F. Manipulating the spectral collapse in two-photon Rabi model. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2020, vol. 10, no. 1, 18761., Registrované v: WOS
30. [1.1] LUPO, Elena - NAPOLI, Anna - MESSINA, Antonino - SOLANO, Enrique - EGUSQUIZA, Inigo L. A continued fraction based approach for the Two-photon Quantum Rabi Model. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2019, vol. 9, 4156., Registrované v: WOS
31. [1.1] LU, Zhiguo - ZHAO, Chunjian - ZHENG, Hang. Quantum dynamics of two-photon quantum Rabi model. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2017, vol. 50, no. 7, 074002., Registrované v: WOS
32. [1.1] MACIEJEWSKI, Andrzej J. - PRZYBYLSKA, Maria - STACHOWIAK, Tomasz. Comment on "Solvability of the two-photon Rabi Hamiltonian". In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 91, no. 3, 037801., Registrované v: WOS
33. [1.1] MACIEJEWSKI, Andrzej J. - STACHOWIAK, Tomasz. A novel approach to the spectral problem in the two photon Rabi model. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2017, vol. 50, no. 24, 244003., Registrované v: WOS
34. [1.1] MALDONADO-VILLAMIZAR, F. H. - HUERTA ALDERETE, C. - RODRIGUEZ-LARA, B. M. Squeezed displaced entangled states in the quantum Rabi model. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 1, 013811., Registrované v: WOS
35. [1.1] PARVIN, Babak. Effective factors in improving lasing performance in an atom-cavity system in the steady state regime. In OPTICAL AND QUANTUM ELECTRONICS. ISSN 0306-8919, 2020, vol. 52, no. 2, 100., Registrované v: WOS
36. [1.1] PENG, Jie - REN, Zhongzhou - YANG, Haitao - GUO, Guangjie - ZHANG, Xin - JU, Guoxing - GUO, Xiaoyong - DENG, Chaosheng - HAO, Guolin. Algebraic structure of the two-qubit quantum Rabi model and its solvability using Bogoliubov operators. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2015, vol. 48, no. 28, 285301., Registrované v: WOS
37. [1.1] PENG, Jie - RICO, Enrique - ZHONG, Jianxin - SOLANO, Enrique - EGUSQUIZA, Inigo L. Unified superradiant phase transitions. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 6, 063820., Registrované v: WOS
38. [1.1] PENG, Jie - ZHENG, Chenxiong - GUO, Guangjie - GUO, Xiaoyong - ZHANG, Xin - DENG, Chaosheng - JU, Guoxing - REN, Zhongzhou - LAMATA, Lucas - SOLANO, Enrique. Dark-like states for the multi-qubit and multi-photon Rabi models. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2017, vol. 50, no. 17, 174003., Registrované v: WOS
39. [1.1] PENNA, V. - RAFFA, F. A. Off-resonance regimes in nonlinear quantum Rabi models. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol.

- 93, no. 4, 043814., Registrované v: WOS
40. [1.1] PENNA, V. - RAFFA, F. A. - FRANZOSI, R. Algebraic properties and spectral collapse in nonlinear quantum Rabi models. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2018, vol. 51, no. 4, 045301., Registrované v: WOS
41. [1.1] PUEBLA, R. - CASANOVA, J. - HOUHOU, O. - SOLANO, E. - PTERNOSTRO, M. Quantum simulation of multiphoton and nonlinear dissipative spin-boson models. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 99, no. 3, 032303., Registrované v: WOS
42. [1.1] XIE, Qiongtao - ZHONG, Honghua - BATCHELOR, Murray T. - LEE, Chaohong. The quantum Rabi model: solution and dynamics. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2017, vol. 50, no. 11, 113001., Registrované v: WOS
43. [1.1] XIE, Qiong-Tao. Exact solution of the two-mode quantum Rabi model. In COMMUNICATIONS IN THEORETICAL PHYSICS. ISSN 0253-6102, 2020, vol. 72, no. 6, 065105., Registrované v: WOS
44. [1.1] XIE, You-Fei - DUAN, Liwei - CHEN, Qing-Hu. Quantum Rabi-Stark model: solutions and exotic energy spectra. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2019, vol. 52, no. 24, 245304., Registrované v: WOS
45. [1.1] XIE, You-Fei - DUAN, Liwei - CHEN, Qing-Hu. Generalized quantum Rabi model with both one- and two-photon terms: A concise analytical study. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 99, no. 1, 013809., Registrované v: WOS
46. [1.1] ZOU, Fen - ZHANG, Xiao-Ya - XU, Xun-Wei - HUANG, Jin-Feng - LIAO, Jie-Qiao. Multiphoton blockade in the two-photon Jaynes-Cummings model. In PHYSICAL REVIEW A. ISSN 2469-9926, 2020, vol. 102, no. 5, 053710., Registrované v: WOS

ADCA1232 TRAVĚNEC, Igor. Universal conductance fluctuations in noninteger dimensions. In *Physical Review B*, 2004, vol. 69, no. 3, p. 033104. Dostupné na: <https://doi.org/10.1103/PhysRevB.69.033104>

Ohlasy:

1. [1.1] HU, Yayun - LIU, Haiwen - JIANG, Hua - XIE, X. C. Numerical study of universal conductance fluctuations in three-dimensional topological semimetals. In PHYSICAL REVIEW B. ISSN 2469-9950, 2017, vol. 96, no. 13, 134201., Registrované v: WOS
2. [1.1] SUSLOV, I. M. Conductance Distribution in 1D Systems: Dependence on the Fermi Level and the Ideal Leads. In JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS. ISSN 1063-7761, 2019, vol. 129, no. 5, pp. 877-895., Registrované v: WOS

ADCA1233 TREJO-LUNA, R. - DE LA VEGA, L.R. - RICKARDS, J. - JERGEL, Matej. 9 MeV au ion implantation into Ti and Ti-6Al-4V. In *Journal of Materials Science*, 2001, vol. 36, no. 2, p. 503-510. (2000: 0.701 - IF, Current Contents - CCC). (2001 - Current Contents). ISSN 0022-2461. Dostupné na: <https://doi.org/10.1023/A:1004801301495>

Ohlasy:

1. [1.1] DURACCIO, Donatella - MUSSANO, Federico - FAGA, Maria Giulia. Biomaterials for dental implants: current and future trends. In JOURNAL

OF MATERIALS SCIENCE. ISSN 0022-2461, 2015, vol. 50, no. 14, pp. 4779-4812., Registrované v: WOS

2. [1.1] LOPEZ-SUAREZ, Alejandra - TORRES-TORRES, Carlos - CAN-UC, Bonifacio - RANGEL-ROJO, Raul - VALENCIA, Carlos E. - OLIVER, Alicia. Third-order nonlinear optical properties exhibited by a bilayer configuration of silver nanoparticles integrated to silicon nanocrystals embedded in ion-implanted silica. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS. ISSN 0740-3224, 2015, vol. 32, no. 5, pp. 805-811., Registrované v: WOS

3. [1.1] MA, Xinkai - LI, Fuguo - CAO, Jun - et al. Study on the deformation behavior of beta phase in Ti-10V-2Fe-3Al alloy by micro-indentation. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2017, vol. 703, pp. 298-308., Registrované v: WOS

4. [1.1] TORRES-TORRES, C. - LOPEZ-SUAREZ, A. - CAN-UC, B. - RANGEL-ROJO, R. - TAMAYO-RIVERA, L. - OLIVER, A. Collective optical Kerr effect exhibited by an integrated configuration of silicon quantum dots and gold nanoparticles embedded in ion-implanted silica. In NANOTECHNOLOGY. ISSN 0957-4484, 2015, vol. 26, no. 29, 295701., Registrované v: WOS

ADCA1234 TRNOVCOVÁ, Viera - FEDOROV, P.P. - BUCHINSKAYA, I.I. - ŠMATKO, Vasilij - HANIC, František. Fast ionic conductivity of Pb₂:MF₂ (M=Mg, Ba, Cd) and PbF₂: ScF₃ single crystals and composites. In *Solid State Ionics*, 1999, vol. 119, p. 181-189. (1998: 1.080 - IF, Current Contents - CCC). (1999 - Current Contents).

Ohlasy:

1. [1.1] DUVEL, A. Ionic conductivity and structure of M₁-xPb_xF₂ (M = Ca, Sr, Ba) solid solutions prepared by ball milling. In DALTON TRANSACTIONS. ISSN 1477-9226, JAN 21 2019, vol. 48, no. 3, p. 859-871., Registrované v: WOS

2. [1.1] GULINA, L.B. - PRIVALOV, A.F. - WEIGLER, M. - MURIN, I.V. - TOLSTOY, V. - VOGEL, M. Anomalously High Fluorine Mobility in Tysonite-Like LaF₃:ScF₃ Nanocrystals: NMR Diffusion Data. In APPLIED MAGNETIC RESONANCE. ISSN 0937-9347, DEC 2020, vol. 51, no. 12, SI, p. 1691-1699., Registrované v: WOS

3. [1.1] GULINA, L.B. - TOLSTOY, V.P. - KASATKIN, I.A. - MURIN, I.V. Facile synthesis of scandium fluoride oriented single-crystalline rods and urchin-like structures by a gas-solution interface technique. In CRYSTENGCOMM. SEP 28 2017, vol. 19, no. 36, p. 5412-5416., Registrované v: WOS

4. [1.1] GULINA, L.B. - TOLSTOY, V.P. - PETROV, Y.V. - DANILOV, D.V. Interface-Assisted Synthesis of Single-Crystalline ScF₃ Microtubes. In INORGANIC CHEMISTRY. AUG 20 2018, vol. 57, no. 16, p. 9779-9781., Registrované v: WOS

5. [1.1] KAVUN, V.Y. - UVAROV, N.F. - SLOBODYUK, A.B. - ULIKHIN, A.S. - TELIN, I.A. - GONCHARUK, V.K. Ionic mobility and electrophysical properties of solid solutions in PbF₂-SbF₃ and PbF₂-SnF₂-SbF₃ systems. In RUSSIAN JOURNAL OF ELECTROCHEMISTRY. AUG 2017, vol. 53, no. 8, p. 884-892., Registrované v: WOS

6. [1.1] KAVUN, V.Y. - UVAROV, N.F. - TELIN, I.A. - POLYANTSEV, M.M. - ULIHIN, A.S. - SLOBODYUK, A.B. - GONCHARUK,

V.K. - SERGIENKO, V.I. In SOLID STATE IONICS. APR 2017, vol. 302, SI, p. 186-191., Registrované v: WOS

7. [1.1] SOROKIN, N.I. A Crystal-Physical Model of Electrotransfer in the Superionic Conductor $Pb_{1-x}Sc_xF_{2+x}$ ($x=0.1$). In PHYSICS OF THE SOLID STATE. APR 2018, vol. 60, no. 4, p. 714-718., Registrované v: WOS

ADCA1235 TRNOVCOVÁ, Viera - FURÁR, I. - HANIC, František. Influence of technological texture on electrical properties of industrial ceramics. In *Journal of Physics and Chemistry of Solids*, 2007, vol. 68, no. 5-6, p. 1135-1139. (2006: 1.164 - IF, Q2 - JCR, 0.681 - SJR, Q2 - SJR, Current Contents - CCC). (2007 - Current Contents).

Ohlasy:

1. [1.1] ANTAL, D. - HULAN, T. - STUBNA, I. - ZALESKA, M. - TRNIK, A. The influence of texture on elastic and thermophysical properties of kaolin- and illite-based ceramic bodies. In CERAMICS INTERNATIONAL. ISSN 0272-8842, FEB 1 2017, vol. 43, no. 2, p. 2730-2736., Registrované v: WOS

2. [1.1] BELHOUCHE, Khaled - BAYADI, Abdelhafid - BELHOUCHE, Hocine - ROMERO, Maximina. Improvement of mechanical and dielectric properties of porcelain insulators using economic raw materials. In BOLETIN DE LA SOCIEDAD ESPANOLA DE CERAMICA Y VIDRIO. ISSN 0366-3175, 2019, vol. 58, no. 1, pp. 28-37., Registrované v: WOS

3. [1.1] KASRANI, S. - HARABI, A. - BARAMA, S.-E. - FOUGHALI, L. - BENHASSINE, M. T. - ALDHAYAN, D. M. Sintering and dielectric properties of a technical porcelain prepared from economical natural raw materials. In CERÂMICA. ISSN 1678-4553, 2016-12 2016, vol. 62, no. 364, p. 405-412., Registrované v: WOS

4. [1.1] NGAYAKAMO, Blasius - PARK, S. Eugene. Evaluation of Kalalani Vermiculite for Production of High Strength Porcelain Insulators. In SCIENCE OF SINTERING. ISSN 0350-820X, 2019, vol. 51, no. 2, pp. 223-232., Registrované v: WOS

5. [1.1] OMAH, A. D. - OKORIE, B. A. - OMAH, E. C. - EZEMA, I. C. - AIGBODION, V. S. - OFFOR, P. O. Measurement of dielectric properties of polymer matrix composites developed from cow bone powder. In INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY. ISSN 0268-3768, 2017, vol. 88, no. 1-4, pp. 325-335., Registrované v: WOS

ADCA1236 TRNOVCOVÁ, Viera - ZAKALYUKIN, R.M. - SOROKIN, N.I. - LEŽAL, D. - FEDOROV, P.P. - ILLEKOVÁ, Emília - OŽVOLDOVÁ, M. - ŠKUBLA, A. - SOBOLEV, B.P. Physical Properties of Multicomponent Fluoride Glasses for Photonic and Superionic Applications. In *Ionics*, 2001, vol. 7 no. 4-6, pp. 456-462. ISSN 0947-7047.

Ohlasy:

1. [1.1] GULINA, Larisa B. - SCHAEFER, Max - PRIVALOV, Alexei F. - TOLSTOY, Valeri P. - MURIN, Igor V. - VOGEL, Michael. Synthesis and NMR investigation of 2D nanocrystals of the LaF_3 doped by SrF_2 . In JOURNAL OF FLUORINE CHEMISTRY. ISSN 0022-1139, 2016, vol. 188, pp. 185-190., Registrované v: WOS

Ivan - MARX, D. Optical, mechanical, and opto-mechanical switching of anchored dithioazobenzene bridges. In *ChemPhysChem : A European Journal of Chemical and Physical Chemistry*, 2010, vol. 11, no. 2, p. 345-348. (2009: 3.453 - IF, Q2 - JCR, 1.945 - SJR, Q1 - SJR). ISSN 1439-7641. Dostupné na: <https://doi.org/10.1002/cphc.200900690>

Ohlasy:

1. [1.1] MEHLENBACHER, Randy D. - KOLBL, Rea - LAY, Alice - DIONNE, Jennifer A. Nanomaterials for in vivo imaging of mechanical forces and electrical fields. In *NATURE REVIEWS MATERIALS*. ISSN 2058-8437, 2018, vol. 3, no. 2, 17080., Registrované v: WOS
2. [1.1] MEJIA, Leopoldo - FRANCO, Ignacio. Force-conductance spectroscopy of a single-molecule reaction. In *CHEMICAL SCIENCE*. ISSN 2041-6520, 2019, vol. 10, no. 11, pp. 3249-3256., Registrované v: WOS
3. [1.1] MOUJDI, S. - RAHMOUNI, A. - MAHFOUD, T. - NESTERENKO, D. V. - HALIM, M. - SEKKAT, Z. Surface relief gratings in azo-polymers revisited. In *JOURNAL OF APPLIED PHYSICS*. ISSN 0021-8979, 2018, vol. 124, no. 21, 213103., Registrované v: WOS
4. [1.1] RIVERO, Daniel - VALENTINI, Alessio - ANGEL FERNANDEZ-GONZALEZ, Miguel - ZAPATA, Felipe - GARCIA-IRIEPA, Cristina - SAMPEDRO, Diego - PALMEIRO, Raul - MANUEL FRUTOS, Luis. Mechanical Forces Alter Conical Intersections Topology. In *JOURNAL OF CHEMICAL THEORY AND COMPUTATION*. ISSN 1549-9618, 2015, vol. 11, no. 8, pp. 3740-3745., Registrované v: WOS
5. [1.1] SAMMON, Matthew S. - ONCAK, Milan - BEYER, Martin K. Theoretical simulation of the infrared signature of mechanically stressed polymer solids. In *BEILSTEIN JOURNAL OF ORGANIC CHEMISTRY*. ISSN 1860-5397, 2017, vol. 13, pp. 1710-1716., Registrované v: WOS
6. [1.1] SEKKAT, Zouheir. Vectorial motion of matter induced by light fueled molecular machines. In *OSA CONTINUUM*. ISSN 2578-7519, 2018, vol. 1, no. 2, pp. 668-681., Registrované v: WOS
7. [1.1] SIRBULY, Donald J. - FRIDDLE, Raymond W. - VILLANUEVA, Joshua - HUANG, Qian. Nanomechanical force transducers for biomolecular and intracellular measurements: is there room to shrink and why do it? In *REPORTS ON PROGRESS IN PHYSICS*. ISSN 0034-4885, 2015, vol. 78, no. 2, 024101., Registrované v: WOS
8. [1.1] STANCH, Tim - DREUW, Andreas. Advances in Quantum Mechanochemistry: Electronic Structure Methods and Force Analysis. In *CHEMICAL REVIEWS*. ISSN 0009-2665, 2016, vol. 116, no. 22, pp. 14137-14180., Registrované v: WOS
9. [1.1] WEBER, Christopher - LIEBIG, Tobias - GENSLER, Manuel - ZYKOV, Anton - PITHAN, Linus - RABE, Juergen P. - HECHT, Stefan - BLEGER, David - KOWARIK, Stefan. Cooperative Switching in Nanofibers of Azobenzene Oligomers. In *SCIENTIFIC REPORTS*. ISSN 2045-2322, 2016, vol. 6, 25605., Registrované v: WOS
10. [1.1] XIA, Shu-Hua - CUI, Ganglong - FANG, Wei-Hai - THIEL, Walter. How Photoisomerization Drives Peptide Folding and Unfolding: Insights from QM/MM and MM Dynamics Simulations. In *ANGEWANDTE CHEMIE-INTERNATIONAL EDITION*. ISSN 1433-7851, 2016, vol. 55, no. 6, pp. 2067-2072., Registrované v: WOS

11. [1.1] YAN, Run-Wen - JIN, Xi - GUAN, Si-Yuan - ZHANG, Xia-Guang - PANG, Ran - TIAN, Zhong-Qun - WU, De-Yin - MAO, Bing-Wei. Theoretical Study of Quantum Conductance of Conjugated and Nonconjugated Molecular Wire Junctions. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2016, vol. 120, no. 22, pp. 11820-11830., Registrované v: WOS

ADCA1238 TURANSKÝ, Robert - KONÔPKA, M. - DOLTSINIS, N.L. - ŠTICH, Ivan - MARX, D. Switching of functionalized azobenzene suspended between gold tips by mechanochemical, photochemical and opto-mechanical means. In *Physical Chemistry Chemical Physics*, 2010, vol. 12, no. 42, p. 13922-13932. (2009: 4.116 - IF, 2.147 - SJR, Q1 - SJR, Current Contents - CCC). (2010 - Current Contents). ISSN 1463-9076. Dostupné na: <https://doi.org/10.1039/c0cp00588f>

Ohlasy:

1. [1.1] ANGEL FERNANDEZ-GONZALEZ, Miguel - RIVERO, Daniel - GARCIA-IRIEPA, Cristina - SAMPEDRO, Diego - MANUEL FRUTOS, Luis. Mechanochemical Tuning of Pyrene Absorption Spectrum Using Force Probes. In JOURNAL OF CHEMICAL THEORY AND COMPUTATION. ISSN 1549-9618, 2017, vol. 13, no. 2, pp. 727-736., Registrované v: WOS

2. [1.1] ANGELINI, Guido - CANILHO, Nadia - EMO, Melanie - KINGSLEY, Molly - GASBARRI, Carla. Role of Solvent and Effect of Substituent on Azobenzene Isomerization by Using Room-Temperature Ionic Liquids as Reaction Media. In JOURNAL OF ORGANIC CHEMISTRY. ISSN 0022-3263, 2015, vol. 80, no. 15, pp. 7430-7434., Registrované v: WOS

3. [1.1] ANGELINI, Guido - CAMPESTRE, Cristina - SCOTTI, Luca - GASBARRI, Carla. Kinetics and Energetics of Thermal Cis-Trans Isomerization of a Resonance-Activated Azobenzene in BMIM-Based Ionic Liquids for PF6-/Tf2N- Comparison. In MOLECULES. ISSN 1420-3049, 2017, vol. 22, no. 8, 1273., Registrované v: WOS

4. [1.1] APPIAH, Clement - WOLTERSDORF, Georg - BINDER, Wolfgang H. Synthesis of photoresponsive main-chain oligomers with azobenzene moieties via ADMET oligomerization and their micellization properties. In POLYMER CHEMISTRY. ISSN 1759-9954, 2017, vol. 8, no. 18, pp. 2752-2763., Registrované v: WOS

5. [1.1] BERSON, Jonathan - MOOSMANN, Markus - WALHEIM, Stefan - SCHIMMEL, Thomas. Mechanically Induced Switching of Molecular Layers. In NANO LETTERS. ISSN 1530-6984, 2019, vol. 19, no. 2, pp. 816-822., Registrované v: WOS

6. [1.1] DOEBBELIN, Markus - CIESIELSKI, Artur - HAAR, Sebastien - OSELLA, Silvio - BRUNA, Matteo - MINOIA, Andrea - GRISANTI, Luca - MOSCIATTI, Thomas - RICHARD, Fanny - PRASETYANTO, Eko Adi - DE COLA, Luisa - PALERMO, Vincenzo - MAZZARO, Raffaello - MORANDI, Vittorio - LAZZARONI, Roberto - FERRARI, Andrea C. - BELJONNE, David - SAMORI, Paolo. Light-enhanced liquid-phase exfoliation and current photoswitching in graphene-azobenzene composites. In NATURE COMMUNICATIONS. ISSN 2041-1723, 2016, vol. 7, 11090., Registrované v: WOS

7. [1.1] DOKUKIN, S. A. - KOLESNIKOV, S. - SALETSKY, A. M. Molecular dynamics simulation of the formation of Cu-Pt nanocontacts in the

- mechanically controlled break junction experiments. In PHYSICAL CHEMISTRY CHEMICAL PHYSICS. ISSN 1463-9076, 2020, vol. 22, no. 28, pp. 16136-16142., Registrované v: WOS
8. [1.1] CHAO, Danming - YANG, Yimeng - JIA, Xiaoteng - BERDA, Erik B. Rationally-designed multi responsive fluorescent switching polymer films. In DYES AND PIGMENTS. ISSN 0143-7208, 2019, vol. 167, pp. 77-82., Registrované v: WOS
9. [1.1] KLAIMAN, Shachar - CEDERBAUM, Lorenz S. Barrierless Single-Electron-Induced cis-trans Isomerization. In ANGEWANDTE CHEMIE-INTERNATIONAL EDITION. ISSN 1433-7851, 2015, vol. 54, no. 36, pp. 10470-10473., Registrované v: WOS
10. [1.1] KOSTYRKO, T. - SLUSARSKI, T. Adsorption of a metalorganic complex at a metal surface: A density functional theory study vs. model description. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2015, vol. 117, no. 3, 034302., Registrované v: WOS
11. [1.1] KOSTYRKO, T. - SLUSARSKI, T. Effects of electric field on a copper-dioxolene complex adsorbed on a gold surface. In APPLIED SURFACE SCIENCE. ISSN 0169-4332, 2016, vol. 373, pp. 19-25., Registrované v: WOS
12. [1.1] LEE, Hoik - PAENG, Keewook - KIM, Ick Soo. A review of doping modulation in graphene. In SYNTHETIC METALS. ISSN 0379-6779, 2018, vol. 244, pp. 36-47., Registrované v: WOS
13. [1.1] LI, Tao - WANG, Tongshuai - XU, Jun - ZOU, Run - SI, Zhongye - BECKER, Julian - LI, Li - STUART, Martien A. Cohen - PRUD'HOMME, Robert K. - GUO, Xuhong. Pressure Effect on the Rheological Behavior of Waxy Crude Oil with Comb-Type Copolymers Bearing Azobenzene Pendant. In INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH. ISSN 0888-5885, 2018, vol. 57, no. 14, pp. 4887-4894., Registrované v: WOS
14. [1.1] MICHOFF, Martin E. Zoloff - RIBAS-ARINO, Jordi - MARX, Dominik. Selective Nanomechanics of Aromatic versus Aliphatic Thiolates on Gold Surfaces. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 122, no. 8, 086801., Registrované v: WOS
15. [1.1] PIOSIK, Emilia - KORBECKA, Izabela - GALEWSKI, Zbigniew - MARTYNSKI, Tomasz. Molecular organization and optical switching of liquid-crystalline azobenzenes in monomolecular films. In OPTICAL MATERIALS. ISSN 0925-3467, 2018, vol. 86, pp. 475-483., Registrované v: WOS
16. [1.1] QIN, Chengqun - FENG, Yiyu - AN, Haoran - HAN, Junkai - CAO, Chen - FENG, Wei. Tetracarboxylated Azobenzene/Polymer Supramolecular Assemblies as High-Performance Multiresponsive Actuators. In ACS APPLIED MATERIALS & INTERFACES. ISSN 1944-8244, 2017, vol. 9, no. 4, pp. 4066-4073., Registrované v: WOS
17. [1.1] QUAPP, Wolfgang - MARIA BOFILL, Josep - RIBAS-ARINO, Jordi. Analysis of the Acting Forces in a Theory of Catalysis and Mechanochemistry. In JOURNAL OF PHYSICAL CHEMISTRY A. ISSN 1089-5639, 2017, vol. 121, no. 14, pp. 2820-2838., Registrované v: WOS
18. [1.1] RIVERO, Daniel - VALENTINI, Alessio - ANGEL FERNANDEZ-GONZALEZ, Miguel - ZAPATA, Felipe - GARCIA-IRIEPA, Cristina - SAMPEDRO, Diego - PALMEIRO, Raul - MANUEL FRUTOS, Luis. Mechanical Forces Alter Conical Intersections Topology. In JOURNAL OF CHEMICAL THEORY AND COMPUTATION. ISSN 1549-9618, 2015, vol. 11,

- no. 8, pp. 3740-3745., Registrované v: WOS
19. [1.1] SADLEJ-SOSNOWSKA, Nina. Switching properties of Li-benzene complexes in a uniform electric field: a case where a "small'' change makes a big difference. In PHYSICAL CHEMISTRY CHEMICAL PHYSICS. ISSN 1463-9076, 2015, vol. 17, no. 37, pp. 23716-23719., Registrované v: WOS
20. [1.1] STANCH, Tim - DREUW, Andreas. Advances in Quantum Mechanochemistry: Electronic Structure Methods and Force Analysis. In CHEMICAL REVIEWS. ISSN 0009-2665, 2016, vol. 116, no. 22, pp. 14137-14180., Registrované v: WOS
21. [1.1] TALLARIDA, Nicholas - RIOS, Laura - APKARIAN, Vartkess A. - LEE, Joonhee. Isomerization of One Molecule Observed through Tip-Enhanced Raman Spectroscopy. In NANO LETTERS. ISSN 1530-6984, 2015, vol. 15, no. 10, pp. 6386-6394., Registrované v: WOS
22. [1.1] VALENTINI, Alessio - RIVERO, Daniel - ZAPATA, Felipe - GARCIA-IRIEPA, Cristina - MARAZZI, Marco - PALMEIRO, Raul - GALVAN, Ignacio Fdez - SAMPEDRO, Diego - OLIVUCCI, Massimo - MANUEL FRUTOS, Luis. Optomechanical Control of Quantum Yield in Trans-Cis Ultrafast Photoisomerization of a Retinal Chromophore Model. In ANGEWANDTE CHEMIE-INTERNATIONAL EDITION. ISSN 1433-7851, 2017, vol. 56, no. 14, pp. 3842-3846., Registrované v: WOS
23. [1.1] VULCANO, Rosaria - PENGGO, Paolo - VELARI, Simone - WOUTERS, Johan - DE VITA, Alessandro - TECILLA, Paolo - BONIFAZI, Davide. Toward Fractioning of Isomers through Binding-Induced Acceleration of Azobenzene Switching. In JOURNAL OF THE AMERICAN CHEMICAL SOCIETY. ISSN 0002-7863, 2017, vol. 139, no. 50, pp. 18271-18280., Registrované v: WOS
24. [1.1] WEBER, Christopher - LIEBIG, Tobias - GENSLER, Manuel - ZYKOV, Anton - PITHAN, Linus - RABE, Juergen P. - HECHT, Stefan - BLEGER, David - KOWARIK, Stefan. Cooperative Switching in Nanofibers of Azobenzene Oligomers. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2016, vol. 6, 25605., Registrované v: WOS
25. [1.1] XIA, Shu-Hua - CUI, Ganglong - FANG, Wei-Hai - THIEL, Walter. How Photoisomerization Drives Peptide Folding and Unfolding: Insights from QM/MM and MM Dynamics Simulations. In ANGEWANDTE CHEMIE-INTERNATIONAL EDITION. ISSN 1433-7851, 2016, vol. 55, no. 6, pp. 2067-2072., Registrované v: WOS
26. [1.1] XIONG, Jing-Jing - SHEN, Dong - ZHENG, Zhi-Gang - WANG, Xiao-Qian. Effect of fluorine groups and different terminal chains on the electro-isomerization of azobenzene liquid crystals. In CHINESE PHYSICS B. ISSN 1674-1056, 2016, vol. 25, no. 9, 096401., Registrované v: WOS
27. [1.1] XU, Chao - YU, Le - GU, Feng Long - ZHU, Chaoyuan. Probing the $\pi \rightarrow \pi^*$ photoisomerization mechanism of trans-azobenzene by multi-state ab initio on-the-fly trajectory dynamics simulations. In PHYSICAL CHEMISTRY CHEMICAL PHYSICS. ISSN 1463-9076, 2018, vol. 20, no. 37, pp. 23885-23897., Registrované v: WOS
28. [1.1] YE, Linfeng - XU, Chao - GU, Feng Long - ZHU, Chaoyuan. Functional and Basis Set Dependence for Time-Dependent Density Functional Theory Trajectory Surface Hopping Molecular Dynamics: Cis-Azobenzene Photoisomerization. In JOURNAL OF COMPUTATIONAL CHEMISTRY.

ISSN 0192-8651, 2020, vol. 41, no. 7, pp. 635-645., Registrované v: WOS
 29. [1.1] ZANG, Yaping - ZOU, Qi - FU, Tianren - NG, Fay - FOWLER, Brandon - YANG, Jingjing - LI, Hexing - STEIGERWALD, Michael L. - NUCKOLLS, Colin - VENKATARAMAN, Latha. Directing isomerization reactions of cumulenes with electric fields. In NATURE COMMUNICATIONS. ISSN 2041-1723, 2019, vol. 10, 4482., Registrované v: WOS
 30. [1.1] ZHANG, Cai-Cai - LI, Sheng-Hua - ZHANG, Cui-Fang - LIU, Yu. Size Switchable Supramolecular Nanoparticle Based on Azobenzene Derivative within Anionic Pillar[5] arene. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2016, vol. 6, 37014., Registrované v: WOS
 31. [1.1] ZHENG, Li-Qing - WANG, Xing - SHAO, Feng - HEGNER, Martin - ZENOBI, Renato. Nanoscale Chemical Imaging of Reversible Photoisomerization of an Azobenzene-Thiol Self-Assembled Monolayer by Tip-Enhanced Raman Spectroscopy. In ANGEWANDTE CHEMIE-INTERNATIONAL EDITION. ISSN 1433-7851, 2018, vol. 57, no. 4, pp. 1025-1029., Registrované v: WOS

ADCA1239 TYE, R.P. - KUBIČÁR, Ľudovít - LOCKMULLER, N. The development of a standard for contact transient methods of measurement of thermophysical properties. In *International Journal of Thermophysics*, 2005, vol. 26, no. 6, p. 1917-1938. ISSN 0195-928X. Dostupné na: <https://doi.org/10.1007/s10765-005-8605-4>

Ohlasy:

1. [1.1] CHENG, Liang - YUE, Kai - WANG, Jun - ZHANG, Xinxin. A small-plane heat source method for measuring the thermal conductivities of anisotropic materials. In MEASUREMENT SCIENCE AND TECHNOLOGY. ISSN 0957-0233, 2017, vol. 28, no. 7, 075002., Registrované v: WOS
2. [1.1] CHUDZIK, S. Applying infrared measurements in a measuring system for determining thermal parameters of thermal insulation materials. In INFRARED PHYSICS & TECHNOLOGY. ISSN 1350-4495, 2017, vol. 81, pp. 296-304., Registrované v: WOS
3. [1.1] LEI, Wang - GASTRO, Omary - WANG, Yuanqi - FELICIEN, Nomenjanahary Homary. Computational fluid-dynamics-based simulation of heat transfer through vacuum glass. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2019, vol. 134, no. 7, 351., Registrované v: WOS
4. [1.1] SABAPATHY, Karthik A. - GEDUPUDI, Sateesh. Straw bale based constructions: Measurement of effective thermal transport properties. In CONSTRUCTION AND BUILDING MATERIALS. ISSN 0950-0618, 2019, vol. 198, pp. 182-194., Registrované v: WOS
5. [1.1] VOLOSNIKOV, D. V. - POVOLOTSKIY, I. I. - SKRIPOV, P. V. Short-term thermal stability of transformer and motor oils at wide range of moisture contents. In XXXII INTERNATIONAL CONFERENCE ON INTERACTION OF INTENSE ENERGY FLUXES WITH MATTER (ELBRUS 2017). ISSN 1742-6588, 2018, vol. 946, 012108., Registrované v: WOS

ADCA1240 UEDA, Hiroshi - OKUNISHI, Kouichi - HARADA, Kenji - KRČMÁR, Roman - GENDIAR, Andrej - YUNOKI, Seiji - NISHINO, Tomotoshi. Finite-m scaling analysis of Berezinskii-Kosterlitz-Thouless phase transitions and entanglement spectrum for the six-state clock model. In *Physical Review E*, 2020, vol. 101, no. 6, 062111. (2019: 2.296 - IF, Q1 - JCR, 0.958 - SJR, Q1 - SJR, Current

Contents - CCC). (2020 - Current Contents, WOS, SCOPUS). ISSN 2470-0045.
Dostupné na: <https://doi.org/10.1103/PhysRevE.101.062111>

Ohlasy:

1. [1.1] MARTYNEC, Thomas - KLAPP, Sabine H. L. - LOOS, Sarah A. M. Entropy production at criticality in a nonequilibrium Potts model. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2020, vol. 22, no. 9, 093069.,
Registrované v: WOS

ADCA1241 UEDA, H. - OKUNISHI, K. - KRČMÁR, Roman - GENDIAR, Andrej - YUNOKI, S. - NISHINO, T. Critical behavior of the two-dimensional icosahedron model. In *Physical Review E*, 2017, vol. 96, no. 6, art. no. 062112. (2016: 2.366 - IF, Q1 - JCR, 1.271 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 2470-0045. Dostupné na: <https://doi.org/10.1103/PhysRevE.96.062112>

Ohlasy:

1. [1.1] FLOREK, Wojciech - KAMIENIARZ, Grzegorz - MARLEWSKI, Adam. Universal lowest energy configurations in a classical Heisenberg model describing frustrated systems with wheel geometry. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 100, no. 5, 04434.,
Registrované v: WOS
2. [1.1] RAMS, Marek M. - CZARNIK, Piotr - CINCIO, Lukasz. Precise Extrapolation of the Correlation Function Asymptotics in Uniform Tensor Network States with Application to the Bose-Hubbard and XXZ Models. In PHYSICAL REVIEW X. ISSN 2160-3308, 2018, vol. 8, no. 4, 041033.,
Registrované v: WOS

ADCA1242 UEDA, K. - NISHINO, T. - OKUNISHI, K. - HIEIDA, Y. - DERIAN, René - GENDIAR, Andrej. Product wave function renormalization group: Construction from the matrix product point of view. In *Journal of Physical Society of Japan*, 2006, vol. 75, 014003.

Ohlasy:

1. [1.1] PFEIFER, R.N.C. In PHYSICAL REVIEW B. NOV 23 2015, vol. 92, no. 20., Registrované v: WOS

ADCA1243 ULYANENKOV, A. - CHROST, J. - ŠIFFALOVIČ, Peter - CHITU, Livia - MAJKOVÁ, Eva - ERLACHER, K. - GUERAULT, H. - MAIER, G. - CORNEJO, M. - ZIBERI, B. - FROST, F. GISAXS and AFM study of self-assembled Fe₂O₃ nanoparticles and Si nanodots. In *Physica Status Solidi A*, 2011, vol. 208, no. 11, p. 2619-2622. (2010: 1.472 - IF, Q2 - JCR, 0.871 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents). ISSN 1862-6300.
Dostupné na: <https://doi.org/10.1002/pssa.201184273>

Ohlasy:

1. [1.1] MOURDIKOUDIS, Stefanos - PALLARES, Roger M. - THANH, Nguyen T. K. Characterization techniques for nanoparticles: comparison and complementarity upon studying nanoparticle properties. In NANOSCALE. ISSN 2040-3364, 2018, vol. 10, no. 27, pp. 12871-12934.,
Registrované v: WOS

ADCA1244 URBANEC, M. - BĚTÁK, Emil - STUCHLIK, Z. Observational tests of neutron star relativistic mean field equations of state. In *Acta Astronomica*, 2010,

vol. 60, no. 2, p. 149-163. (2009: 2.471 - IF, Q2 - JCR, 1.859 - SJR, Q1 - SJR, Current Contents - CCC). (2010 - Current Contents). ISSN 0001-5237.

Ohlasy:

1. [1.1] TOEROEK, G. - GOLUCHOVA, K. - SRAMKOVA, E. Rapid X-ray variability and properties of compact stars. In *CONTRIBUTIONS OF THE ASTRONOMICAL OBSERVATORY SKALNATE PLESO*. ISSN 1335-1842, 2018, vol. 48, no. 3, pp. 476-487., Registrované v: WOS

ADCA1245 URBÁNEK, Pavel** - KURITKA, Ivo - ŠEVČÍK, Jakub - TOUŠKOVÁ, Jana - TOUŠEK, Jiří - NÁDAŽDY, Vojtech - NÁDAŽDY, Peter - VÉGSO, Karol - ŠIFFALOVIC, Peter - RUTSCH, Radka - URBÁNEK, Michal. An experimental and theoretical study of the structural ordering of the PTB7 polymer at a mesoscopic scale. In *Polymer : the International Journal for the Science and Technology of Polymers*, 2019, vol. 169, p. 243-254. (2018: 3.771 - IF, Q1 - JCR, 1.039 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 0032-3861. Dostupné na: <https://doi.org/10.1016/j.polymer.2019.02.048>

Ohlasy:

1. [1.1] JAMATIA, Thaiskang - SKODA, David - URBANEK, Pavel - SEVCIK, Jakub - MASLIK, Jan - MUNSTER, Lukas - KALINA, Lukas - KURITKA, Ivo. Microwave-assisted synthesis of FexZn1-xO nanoparticles for use in MEH-PPV nanocomposites and their application in polymer light-emitting diodes. In *JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS*. ISSN 0957-4522, 2019, vol. 30, no. 12, pp. 11269-11281., Registrované v: WOS

ADCA1246 VALUŠOVÁ, Eva - ŠVEC, Peter - ANTALÍK, Marián. Structural and thermodynamic behavior of cytochrome c assembled with glutathione-covered gold nanoparticles. In *Journal of Biological Inorganic Chemistry*, 2009, vol. 14, no. 4, p. 621-630. (2008: 3.600 - IF, Q1 - JCR, 1.638 - SJR, Q1 - SJR, Current Contents - CCC). (2009 - Current Contents, WOS, SCOPUS). ISSN 0949-8257. Dostupné na: <https://doi.org/10.1007/s00775-009-0476-x>

Ohlasy:

1. [1.1] GAUCHER, Caroline - BOUDIER, Ariane - BONETTI, Justine - CLAROT, Igor - LEROY, Pierre - PARENT, Marianne. Glutathione: Antioxidant Properties Dedicated to Nanotechnologies. In *ANTIOXIDANTS*, 2018, vol. 7, no. 5, art. no. 62., Registrované v: WOS
2. [1.1] PAPADOPOULOU, Athena A. - EFSTATHIADOU, Evdoxia - PATILA, Michaela - POLYDERA, Angeliki C. - STAMATIS, Haralambos. Deep Eutectic Solvents as Media for Peroxidation Reactions Catalyzed by Heme-Dependent Biocatalysts. In *INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH*. ISSN 0888-5885, 2016, vol. 55, no. 18, pp. 5145-5151., Registrované v: WOS

ADCA1247 VAN BEVEREN, C. - ANDREYEV, A.N. - BARZAKH, A.E. - COCOLIOS, T.E. - DE GROOTE, R.P. - FEDOROV, D. - FEDOSSEEV, V.N. - FERRER, R. - GHYS, L. - HUYSE, M. - KOSTER, U. - LANE, J. - LIBERATI, V. - LYNCH, K.M. - MARSH, B.A. - MOLKANOV, P.L. - PROCTER, T.J. - RAPISARDA, E. - SANDHU, K. - SELIVERSTOV, M.D. - VAN DUPPEN, P. - VENHART, Martin - VESELSKÝ, Martin. Alpha-decay study Tl-182, Tl-184. In *Journal of Physics G: Nuclear and Particle Physics*, 2016, vol. 43, no. 2, art.

no.025102. (2015: 2.448 - IF, Q2 - JCR, 1.649 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0954-3899. Dostupné na: <https://doi.org/10.1088/0954-3899/43/2/025102>

Ohlasy:

1. [1.1] WANG, Meng - AUDI, G. - KONDEV, F. G. - HUANG, W. J. - NAIMI, S. - XU, Xing. The AME2016 atomic mass evaluation (II). Tables, graphs and references. In CHINESE PHYSICS C. ISSN 1674-1137, 2017, vol. 41, no. 3, 030003., Registrované v: WOS

ADCA1248 VAN BEVEREN, C. - ANDREYEV, A.N. - BARZAKH, A.E. - COCOLIOS, T.E. - FEDOROV, D. - FEDOSSEEV, V.N. - FERRER, R. - HUYSE, M. - KOSTER, U. - LANE, J. - LIBERATI, V. - LYNCH, K.M. - MARSH, B.A. - PROCTER, Y.J. - RADULOV, D. - RAPISARDA, E. - SANDHU, K. - SELIVERSTOV, M.D. - VAN DUPPEN, P. - VENHART, Martin - VESELSKÝ, Martin. Internal decay of the (10(-)) intruder state in Tl-184. In *Physical Review C. Nuclear Physics*, 2015, vol. 92, no. 1, 014325. (2014: 3.733 - IF, Q1 - JCR, 2.480 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.92.014325>

Ohlasy:

1. [1.1] WANG, Meng - AUDI, G. - KONDEV, F. G. - HUANG, W. J. - NAIMI, S. - XU, Xing. The AME2016 atomic mass evaluation (II). Tables, graphs and references. In CHINESE PHYSICS C. ISSN 1674-1137, 2017, vol. 41, no. 3, 030003., Registrované v: WOS

ADCA1249 VARGA, Marek - MARCIN, Jozef - CAPIK, Marek - JANIČKOVIČ, Dušan - ŠVEC, Peter - ŠKORVÁNEK, Ivan. Magnetoimpedance Effect in Field Annealed (FeNi)₇₈Nb₇B₁₅ Amorphous and Nanocrystalline Bilayer Ribbons. In *Acta Physica Polonica A*, 2014, vol. 126, no. 1, p. 122-123. (2013: 0.604 - IF, Q4 - JCR, 0.345 - SJR, Q3 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1898-794X. Dostupné na: <https://doi.org/10.12693/APhysPolA.126.122>

Ohlasy:

1. [1.1] FENG, Zhu - ZHI, Shaotao - GUO, Lei - LEI, Chong - ZHOU, Yong. Investigation of magnetic field anneal in micro-patterned amorphous ribbon on giant magneto-impedance effect enhancement. In *SENSOR REVIEW*. ISSN 0260-2288, 2019, vol. 39, no. 3, pp. 309-317., Registrované v: WOS
2. [1.1] GAZDA, P. - SZEWCZYK, R. Influence of Joule-Annealing on Double-Peak GMI Effect in Co-Based Amorphous Ribbons. In *ACTA PHYSICA POLONICA A*. ISSN 0587-4246, 2020, vol. 137, no. 5, pp. 818-820., Registrované v: WOS
3. [1.1] TROJKOVA, Jana - ZIVOTSKY, Ondrej - HENDRYCH, Ales - MARKOV, Dmitry - DROBIKOVA, Klara. Magnetic Domain Patterns in Bilayered Ribbons Studied by Magnetic Force Microscopy and Magneto-Optical Kerr Microscopy. In *SCANNING*. ISSN 0161-0457, 2018., Registrované v: WOS

ADCA1250 VARGA, M. - VRETENÁR, Viliam - KOTLAR, M. - SKAKALOVA, V. - KROMKA, A. Fabrication of free-standing pure carbon-based composite material with the combination of sp(2)-sp(3) hybridizations. In *Applied Surface*

Science, 2014, vol. 308, p. 211-215. (2013: 2.538 - IF, Q1 - JCR, 0.965 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents). ISSN 0169-4332.

Dostupné na: <https://doi.org/10.1016/j.apsusc.2014.04.137>

Ohlasy:

1. [1.1] XIA, Qianshan - ZHANG, Zhichun - LIU, Yanju - LENG, Jinsong. Buckypaper and its composites for aeronautic applications. In COMPOSITES PART B-ENGINEERING. ISSN 1359-8368, 2020, vol. 199, 108231., Registrované v: WOS
2. [1.1] ZHENG, Ting - WANG, Guanhui - XU, Nuo - LU, Chunrui - QIAO, Yingjie - ZHANG, Dongxing - WANG, Xiaodong. Preparation and Properties of Highly Electroconductive and Heat-Resistant CMC/Buckypaper/Epoxy Nanocomposites. In NANOMATERIALS. ISSN 2079-4991, 2018, vol. 8, no. 12, 969., Registrované v: WOS

ADCA1251 VARGA, M. - KOTLAR, M. - VRETENÁR, Viliam - IZAK, T. - LEDINSKY, M. - MICHALKA, M. - SKAKALOVA, V. - KROMKA, A. - VESELY, M. HFCVD growth of various carbon nanostructures on SWCNT paper controlled by surface treatment. In *Physica Status Solidi B*, 2012, vol. 249, no. 12, p. 2399-2403. (2011: 1.316 - IF, Q3 - JCR, 0.931 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents). ISSN 0370-1972. Dostupné na: <https://doi.org/10.1002/pssb.201200123>

Ohlasy:

1. [1.1] BO, Zheng - YANG, Huachao - LV, Peng - QIAN, Jiajing - YU, Kehan - LU, Ganhua - WEI, Wei - YAN, Jianhua - CEN, Kefa. Covalently interconnected carbon nanotubes for enhanced charge transport in pseudocapacitors. In PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS. ISSN 0370-1972, 2015, vol. 252, no. 10, pp. 2236., Registrované v: WOS
2. [1.1] CINKOVA, K. - ZBOJEKOVA, N. - VOJS, M. - MARTON, M. - SAMPHAO, A. - SVORC, L. Electroanalytical application of a boron-doped diamond electrode for sensitive voltammetric determination of theophylline in pharmaceutical dosages and human urine. In ANALYTICAL METHODS. ISSN 1759-9660, 2015, vol. 7, no. 16, pp. 6755., Registrované v: WOS

ADCA1252 ČENČARIKOVÁ, Hana** - STREČKA, Jozef - GENDIAR, Andrej. Magnetization processes and existence of reentrant phase transitions in coupled spin-electron model on doubly decorated planar lattices. In *Journal of Magnetism and Magnetic Materials*, 2018, vol. 452, p. 512-521. (2017: 3.046 - IF, Q2 - JCR, 0.786 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 0304-8853. Dostupné na: <https://doi.org/10.1016/j.jmmm.2017.10.056>

Ohlasy:

1. [1.1] CARVALHO, R. C. P. - PEREIRA, M. S. S. - DE OLIVEIRA, I. N. - LYRA, M. L. Magnetic field influence on kinetically-induced frustration in a hybrid spin-electron ladder. In PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS. ISSN 0378-4371, 2019, vol. 526, 121116., Registrované v: WOS

ADCA1253 VÉGSO, Karol - ŠIFFALOVIČ, Peter - JERGEL, Matej - WEIS, Martin Jr. - MAJKOVÁ, Eva - LUBY, Štefan - CAPEK, Ignác - BUFFET, Adeline -

ROTH, Stephan V. A non-equilibrium transient phase revealed by in situ GISAXS tracking of the solvent-assisted nanoparticle self-assembly. In *Journal of Nanoparticle Research*, 2014, vol. 16, p. 2536. (2013: 2.278 - IF, Q1 - JCR, 0.749 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1388-0764. Dostupné na: <https://doi.org/10.1007/s11051-014-2536-6>

Ohlasy:

1. [1.1] SANTORO, G. - YU, S. Grazing Incidence Small Angle X-Ray Scattering as a Tool for In-Situ Time-Resolved Studies. In X-RAY SCATTERING. 2017, p. 29-60., Registrované v: WOS

ADCA1254 VÉGSO, Karol - ŠIFFALOVIČ, Peter - JERGEL, Matej - MAJKOVÁ, Eva - KOCSISOVÁ, Teodora - HOFBAUEROVÁ, Monika, Benkovičová - LUBY, Štefan - CAPEK, Ignác - PERLICH, J. - ROTH, V. Application of the paracrystal model to GISAXS analysis of the 3D self-assembled nanoparticle crystals. In *Physica Status Solidi B*, 2014, vol. 251, no. 6, p. 1169-1177. (2013: 1.605 - IF, Q3 - JCR, 0.831 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents). ISSN 0370-1972. Dostupné na: <https://doi.org/10.1002/pssb.201350347>

Ohlasy:

1. [1.1] SAVITZKY, Benjamin H. - HOVDEN, Robert - WHITHAM, Kevin - YANG, Jun - WISE, Frank - HANRATH, Tobias - KOURKOUTIS, Lena F. Propagation of Structural Disorder in Epitaxially Connected Quantum Dot Solids from Atomic to Micron Scale. In NANO LETTERS. ISSN 1530-6984, 2016, vol. 16, no. 9, pp. 5714-5718., Registrované v: WOS

ADCA1255 VÉGSO, Karol - ŠIFFALOVIČ, Peter - BENKOVIČOVÁ, Monika - JERGEL, Matej - LUBY, Štefan - MAJKOVÁ, Eva - CAPEK, Ignác - KOCSISOVÁ, Teodora - PERLICH, J. - ROTH, S.V. GISAXS analysis of 3D nanoparticle assemblies-effect of vertical nanoparticle ordering. In *Nanotechnology*, 2012, vol. 23, no. 4, 045704. (2011: 3.979 - IF, Q1 - JCR, 1.899 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0957-4484. Dostupné na: <https://doi.org/10.1088/0957-4484/23/4/045704>

Ohlasy:

1. [1.1] KURILENKOV, Yu. K. - SMETANIN, I. V. - OGINOV, A. V. - SAMOYLOV, I. S. X-ray Bursts from a Random Cavity Emerging in an Inter-Electrode Polydisperse Plasma of Nanosecond Vacuum Discharge. I. Experiment: Generation, Release, and Trapping of X rays. In JOURNAL OF RUSSIAN LASER RESEARCH. ISSN 1071-2836, 2020, vol. 41, no. 5, pp. 491-501., Registrované v: WOS
2. [1.1] LI, Hongxia - YANG, Jianqun - TIAN, Feng - LI, Xingji - DONG, Shangli. Study on the Microstructure of Polyether Ether Ketone Films Irradiated with 170 keV Protons by Grazing Incidence Small Angle X-ray Scattering (GISAXS) Technology. In POLYMERS, 2020, vol. 12, no. 11, 2717., Registrované v: WOS
3. [1.1] LI, Tao - SENESI, Andrew J. - LEE, Byeongdu. Small Angle X-ray Scattering for Nanoparticle Research. In CHEMICAL REVIEWS. ISSN 0009-2665, 2016, vol. 116, no. 18, pp. 11128-11180., Registrované v: WOS
4. [1.1] PANDIT, Pallavi - SCHWARTZKOPF, Matthias - ROTHKIRCH, Andre - ROTH, Stephan - BERNSTORFF, Sigrid - GUPTA, Ajay. Structure-Function Correlations in Sputter Deposited Gold/Fluorocarbon

Multilayers for Tuning Optical Response. In NANOMATERIALS, 2019, vol. 9, no. 9, 1249., Registrované v: WOS

5. [1.1] SMETANIN, I. V. - KURILENKOV, Yu. K. - OGINOV, A. V. - SAMOYLOV, I. S. X-Ray Bursts from a Random Cavity Emerging in an Inter-Electrode Polydisperse Plasma of Nanosecond Vacuum Discharge. II. Diffusion Model of X-Ray Emission. In JOURNAL OF RUSSIAN LASER RESEARCH. ISSN 1071-2836, 2020, vol. 41, no. 6, pp. 608-615., Registrované v: WOS

6. [1.1] UKLEEV, V. - DYADKINA, E. - VOROBIEV, A. - GERASHCHENKO, O. V. - CARON, L. - SITNIKOV, A. V. - KALININ, Yu. E. - GRIGORIEV, S. V. Morphology and magnetic properties of nanocomposite magnetic multilayers [(Co(40)Fe(40)B(2)O)(34)(SiO₂)(66))/[C](47)]. In JOURNAL OF NON-CRYSTALLINE SOLIDS. ISSN 0022-3093, 2016, vol. 432, pp. 499-504., Registrované v: WOS

7. [1.2] GIANNINI, Cinzia - HOLY, Vaclav - DE CARO, Liberato - MINO, Lorenzo - LAMBERTI, Carlo. Watching nanomaterials with X-ray eyes: Probing different length scales by combining scattering with spectroscopy. In Progress in Materials Science. ISSN 00796425, 2020, vol. 112, 100667. Dostupné na: <https://doi.org/10.1016/j.pmatsci.2020.100667>., Registrované v: SCOPUS

8. [1.2] KURILENKOV, Yu K. - SMETANIN, I. V. - OGINOV, A. V. - SAMOYLOV, I. S. X-ray trapping and bursts in a complex plasma of nanosecond vacuum discharge. In Applied Physics. ISSN 19960948, 2020, vol. 5, pp. 23-32., Registrované v: SCOPUS

ADCA1256 VÉGSO, Karol - ŠIFFALOVÍČ, Peter - WEIS, Martin Jr. - JERGEL, Matej - BENKOVIČOVÁ, Monika - MAJKOVÁ, Eva - CHITU, Livia - HALAHOVETS, Yuriy - LUBY, Štefan - CAPEK, Ignác - SATKA, A. In situ GISAXS monitoring of Langmuir nanoparticle multilayer degradation processes induced by UV photolysis. In *Physica Status Solidi A*, 2011, vol. 208, no. 11, p. 2629-2634. (2010: 1.472 - IF, Q2 - JCR, 0.871 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents). ISSN 1862-6300. Dostupné na: <https://doi.org/10.1002/pssa.201184275>

Ohlasy:

1. [1.1] JOSTEN, Elisabeth - WETTERSKOG, Erik - GLAVIC, Artur - BOESECKE, Peter - FEOKTYSTOV, Artem - BRAUWEILER-REUTERS, Elke - RUECKER, Ulrich - SALAZAR-ALVAREZ, German - BRUECKEL, Thomas - BERGSTROM, Lennart. Superlattice growth and rearrangement during evaporation-induced nanoparticle self-assembly. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2017, vol. 7, 2802., Registrované v: WOS

2. [1.1] LI, Hongxia - YANG, Jianqun - TIAN, Feng - LI, Xingji - DONG, Shangli. Study on the Microstructure of Polyether Ether Ketone Films Irradiated with 170 keV Protons by Grazing Incidence Small Angle X-ray Scattering (GISAXS) Technology. In POLYMERS, 2020, vol. 12, no. 11, 2717., Registrované v: WOS

3. [1.1] SHRIVASTAVA, Udit N. - SUETSUGU, Kota - NAGANO, Shusaku - FRITZSCHE, Helmut - NAGAO, Yuki - KARAN, Kunal. Cross-correlated humidity-dependent structural evolution of Nafion thin films confined on a platinum substrate. In SOFT MATTER. ISSN 1744-683X, 2020, vol. 16, no. 5, pp. 1190-1200., Registrované v: WOS

ADCA1257 VÉGSO, Karol - ŠIFFALOVIČ, Peter** - JERGEL, Matej - NÁDAŽDY, Peter - NÁDAŽDY, Vojtech - MAJKOVÁ, Eva. Kinetics of polymer-fullerene phase separation during solvent annealing studied by table-top X-ray scattering. In *ACS Applied Materials & Interfaces*, 2017, vol. 9, no. 9, p. 8241-8247. (2016: 7.504 - IF, Q1 - JCR, 2.561 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 1944-8244. Dostupné na: <https://doi.org/10.1021/acsami.6b15167>

Ohlasy:

1. [1.1] CHANG, Ming-Ching - WEI, Yi - CHEN, Wei-Ren - DO, Changwoo. Deep learning-based super-resolution for small-angle neutron scattering data: attempt to accelerate experimental workflow. In *MRS COMMUNICATIONS*. ISSN 2159-6859, 2020, vol. 10, no. 1, pp. 11-17., Registrované v: WOS
2. [1.1] SILVA, Hugo Santos - RAMANITRA, Hasina H. - BREGADIOLLI, Bruna A. - TOURNEBIZE, Aurelien - BEGUE, Didier - DOWLAND, Simon A. - LARTIGAU-DAGRON, Christine - GRAEFF, Carlos F. O. - DISTLER, Andreas - PEISERT, Heiko - CHASSE, Thomas - HIORNS, Roger C. In Situ Generation of Fullerene from a Poly(fullerene). In *JOURNAL OF POLYMER SCIENCE PART B-POLYMER PHYSICS*. ISSN 0887-6266, 2019, vol. 57, no. 21, pp. 1434-1452., Registrované v: WOS
3. [1.1] ZOMERMAN, Derek - KONG, Jessica - MCAFEE, Seth M. - WELCH, Gregory C. - KELLY, Timothy L. Control and Characterization of Organic Solar Cell Morphology Through Variable-Pressure Solvent Vapor Annealing. In *ACS APPLIED ENERGY MATERIALS*. ISSN 2574-0962, 2018, vol. 1, no. 10, pp. 5663-5674., Registrované v: WOS

ADCA1258 VÉGSO, Karol - ŠIFFALOVIČ, Peter - MAJKOVÁ, Eva - JERGEL, Matej - BENKOVIČOVÁ, Monika - KOCSIS, Teodora - WEIS, Martin Jr. - LUBY, Štefan - NYGARD, K. - KONOVALOV, O. Nonequilibrium phases of nanoparticle Langmuir films. In *Langmuir*, 2012, vol. 28, no. 28, p. 10409-10414. (2011: 4.186 - IF, Q1 - JCR, 2.051 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents). ISSN 0743-7463. Dostupné na: <https://doi.org/10.1021/la301764t>

Ohlasy:

1. [1.1] DONOVAL, Martin - KUZMA, Anton - SATKA, Alexander - DARICEK, Martin - TELEK, Peter. Shift of localized surface plasmon resonance in monolayer of small gold nanoparticles: Simulation predictions of interparticle coupling. In *OPTIK*. ISSN 0030-4026, 2016, vol. 127, no. 16, pp. 6322-6328., Registrované v: WOS
2. [1.1] GANJI, Nasim - KHAN, Ifthekar A. - BOTHUN, Geoffrey D. Surface Activity of Poly(ethylene glycol)-Coated Silver Nanoparticles in the Presence of a Lipid Monolayer. In *LANGMUIR*. ISSN 0743-7463, 2018, vol. 34, no. 5, pp. 2039-2045., Registrované v: WOS
3. [1.1] HUERRE, Axel - CACHO-NERIN, Fernando - POULICHET, Vincent - UDOH, Christiana E. - DE CORATO, Marco - GARBIN, Valeria. Dynamic Organization of Ligand-Grafted Nanoparticles during Adsorption and Surface Compression at Fluid-Fluid Interfaces. In *LANGMUIR*. ISSN 0743-7463, 2018, vol. 34, no. 3, pp. 1020-1028., Registrované v: WOS
4. [1.1] ISHIDA, Takuya - TACHIKIRI, Yuki - SAKO, Takayuki - TAKAHASHI, Yukina - YAMADA, Sunao. Structural characterization and

plasmonic properties of two-dimensional arrays of hydrophobic large gold nanoparticles fabricated by Langmuir-Blodgett technique. In *APPLIED SURFACE SCIENCE*. ISSN 0169-4332, 2017, vol. 404, pp. 350-356., Registrované v: WOS

5. [1.1] MAITI, Santanu - MAITI, Sonam - MAIER, Andre - HAGENLOCHER, Jan - CHUMAKOV, Andrei - SCHREIBER, Frank - SCHEELE, Marcus. Understanding the Formation of Conductive Mesocrystalline Superlattices with Cubic PbS Nanocrystals at the Liquid/Air Interface. In *JOURNAL OF PHYSICAL CHEMISTRY C*. ISSN 1932-7447, 2019, vol. 123, no. 2, pp. 1519-1526., Registrované v: WOS

6. [1.1] MARCZAK, Wojciech - ROGALSKI, Marek - MODARRESSI, Ali - ROGALSKA, Ewa. A model of compression isotherms for analyzing particle layers. In *COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS*. ISSN 0927-7757, 2016, vol. 489, pp. 128-135., Registrované v: WOS

7. [1.1] MUKHOPADHYAY, Mala - HAZRA, S. Growth of thiol-coated Au-nanoparticle Langmuir monolayers through a 2D-network of disk-like islands. In *RSC ADVANCES*. ISSN 2046-2069, 2016, vol. 6, no. 15, pp. 12326-12336., Registrované v: WOS

8. [1.1] UKLEEV, V. - KHASSANOV, A. - SNIGIREVA, I. - KONOVALOV, O. - VOROBIEV, A. X-ray scattering characterization of iron oxide nanoparticles Langmuir film on water surface and on a solid substrate. In *THIN SOLID FILMS*. ISSN 0040-6090, 2016, vol. 616, pp. 43-47., Registrované v: WOS

ADCA1259 VÉGSO, Karol - JERGEL, Matej - KOTLÁR, Mário - HALAHOVETS, Yuriy - HODAS, Martin - PELLETTA, Marco - MAJKOVÁ, Eva. Real-time SAXS study of a strain gauge based on a self-assembled gold nanoparticle monolayer. In *Sensors and Actuators A*, 2016, vol. 241, p. 87-95. (2015: 2.201 - IF, Q1 - JCR, 0.826 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0924-4247. Dostupné na: <https://doi.org/10.1016/j.sna.2016.02.021>
Ohlasy:

1. [1.1] Olichwer, Natalia - MEYER, Andreas - YESILMEN, Mazlum - VOSSMEYER, Tobias. Gold nanoparticle superlattices: correlating chemiresistive responses with analyte sorption and swelling. In *JOURNAL OF MATERIALS CHEMISTRY C*. ISSN 2050-7526, 2016, vol. 4, no. 35, pp. 8214-8225., Registrované v: WOS

2. [1.2] SARVEENA - SHRIVASTAVA, Navadeep - SINGH, M. - SHARMA, Surender Kumar. Multifunctional magnetic nanostructures: Exchange bias model and applications. In *Complex Magnetic Nanostructures: Synthesis, Assembly and Applications*, 2017-04-04, pp. 225-280., Registrované v: SCOPUS

ADCA1260 VÉGSO, Karol - ŠIFFALOVÍČ, Peter - JERGEL, Matej - WEIS, Martin Jr. - BENKOVIČOVÁ, Monika - MAJKOVÁ, Eva - LUBY, Štefan - KOCSIS, Teodora - CAPEK, Ignác. Silver nanoparticle monolayer-to-Bilayer transition at the air/water interface as studied by the GISAXS technique: Application of a new paracrystal model. In *Langmuir*, 2012, vol. 28, no. 25, p. 9395-9404. (2011: 4.186 - IF, Q1 - JCR, 2.051 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents). ISSN 0743-7463. Dostupné na: <https://doi.org/10.1021/la301577a>

Ohlasy:

1. [1.1] BALAZS, Daniel M. - DUNBAR, Tyler A. - SMILGIES, Detlef-M - HANRATH, Tobias. Coupled Dynamics of Colloidal Nanoparticle Spreading and Self-Assembly at a Fluid-Fluid Interface. In LANGMUIR. ISSN 0743-7463, 2020, vol. 36, no. 22, pp. 6106-6115., Registrované v: WOS
2. [1.1] JIANG, Zhang - HE, Jinbo - DESHMUKH, Sanket A. - KANJANABOOS, Pongsakorn - KAMATH, Ganesh - WANG, Yifan - SANKARANARAYANAN, Subramanian K. R. S. - WANG, Jin - JAEGER, Heinrich M. - LIN, Xiao-Min. Subnanometre ligand-shell asymmetry leads to Janus-like nanoparticle membranes. In NATURE MATERIALS. ISSN 1476-1122, 2015, vol. 14, no. 9, pp. 912-+, Registrované v: WOS
3. [1.1] LIU, Kong - LI, Huanyuan - LU, Yuan - WANG, Ruijuan - BEI, Fengli - LU, Lude - HAN, Qiaofeng - WU, Xiaodong. A completely controlled sphere-to-bilayer micellar transition: the molecular mechanism and application on the growth of nanosheets. In SOFT MATTER. ISSN 1744-683X, 2016, vol. 12, no. 16, pp. 3703-3709., Registrované v: WOS
4. [1.1] LI, Tao - SENESI, Andrew J. - LEE, Byeongdu. Small Angle X-ray Scattering for Nanoparticle Research. In CHEMICAL REVIEWS. ISSN 0009-2665, 2016, vol. 116, no. 18, pp. 11128-11180., Registrované v: WOS
5. [1.1] LI-DESTRI, Giovanni - RUFFINO, Roberta - TUCCITTO, Nunzio - MARLETTA, Giovanni. In situ structure and force characterization of 2D nano-colloids at the air/water interface. In SOFT MATTER. ISSN 1744-683X, 2019, vol. 15, no. 42, pp. 8475-8482., Registrované v: WOS
6. [1.1] MARCZAK, Wojciech - ROGALSKI, Marek - MODARRESSI, Ali - ROGALSKA, Ewa. A model of compression isotherms for analyzing particle layers. In COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS. ISSN 0927-7757, 2016, vol. 489, no., pp. 128-135., Registrované v: WOS
7. [1.1] STANLEY, Jacob - BOUCHERON, Leandra - LIN, Binhua - MERON, Mati - SHPYRKO, Oleg. Spontaneous phase separation during self-assembly in bi-dispersed spherical iron oxide nanoparticle monolayers. In APPLIED PHYSICS LETTERS. ISSN 0003-6951, 2015, vol. 106, no. 16, 161602., Registrované v: WOS
8. [1.1] YOU, Siheng Sean - HEFFERN, Charles T. R. - DAI, Yeling - MERON, Mati - HENDERSON, J. Michael - BU, Wei - XIE, Wenyi - LEE, Ka Yee C. - LIN, Binhua. Liquid Surface X-ray Studies of Gold Nanoparticle-Phospholipid Films at the Air/Water Interface. In JOURNAL OF PHYSICAL CHEMISTRY B. ISSN 1520-6106, 2016, vol. 120, no. 34, pp. 9132-9141., Registrované v: WOS

ADCA1261 VÉGSO, Karol - JERGEL, Matej - ŠIFFALOVÍČ, Peter - MAJKOVÁ, Eva - KORYTÁR, Dušan - ZÁPRAŽNÝ, Zdenko - MIKULÍK, P. - VAGOVIČ, Patrik. Towards high-flux X-ray beam compressing channel-cut monochromators. In *Journal of Applied Crystallography*, 2016, vol. 49, p. 1885-1892. (2015: 2.570 - IF, Q2 - JCR, 2.271 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, SCOPUS). ISSN 0021-8898. Dostupné na: <https://doi.org/10.1107/S1600576716013376>

Ohlasy:

1. [1.1] SHIOYA, Nobutaka - EDA, Kazuo - SHIMOAKA, Takafumi - HASEGAWA, Takeshi. Hidden thin-film phase of dinaphthothienothiophene

revealed by high-resolution X-ray diffraction. In APPLIED PHYSICS EXPRESS. ISSN 1882-0778, 2020, vol. 13, no. 9, 095505., Registrované v: WOS

ADCA1262 VENHART, Martin - HESSBERGER, F.P. - ACKERMANN, D. - ANTALIC, S. - GRAY-JONES, C. - GREENLEES, P.T. - HEINZ, S. - HERZBERG, R.D. - HOFMANN, S. - KETELHUT, S. - KINDLER, B. - KOJOUHAROV, I. - LEINO, M. - LOMMEL, B. - MANN, R. - PAPADAKIS, P. - ROSTRON, D. - RUDOLPH, D. - SARO, S. - SULIGNANO, B. Decay study of Fm-246 at SHIP. In *European Physical Journal A*, 2011, vol. 47, no. 2, 20. (2010: 2.592 - IF, Q1 - JCR, 1.731 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents). ISSN 1434-6001. Dostupné na: <https://doi.org/10.1140/epja/i2011-11020-9>

Ohlasy:

1. [1.1] DELION, D. S. - REN, Zhongzhou - DUMITRESCU, A. - NI, Dongdong. Coupled channels description of the alpha-decay fine structure. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2018, vol. 45, no. 5, 053001., Registrované v: WOS
2. [1.1] HESSBERGER, F. P. Spontaneous fission properties of superheavy elements. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2017, vol. 53, no. 4, 75., Registrované v: WOS
3. [1.1] NI, Dongdong - REN, Zhongzhou. Systematic research on alpha-decay rates of spherical and deformed nuclei. In ANNALS OF PHYSICS. ISSN 0003-4916, 2015, vol. 358, pp. 108., Registrované v: WOS
4. [1.1] NI, Dongdong - REN, Zhongzhou. Effects of nuclear collective vibrations on the alpha-decay fine structure of vibrational nuclei with A approximate to 220. In PHYSICAL REVIEW C. ISSN 2469-9985, 2020, vol. 101, no. 4, 044308., Registrované v: WOS
5. [1.1] SINGH, Sukhjeet - KUMAR, Sushil - SINGH, Balraj - JAIN, A. K. Nuclear radius parameters ($r(0)$) for even-even nuclei from alpha decay. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2020, vol. 167, pp. 1-35., Registrované v: WOS

ADCA1263 VENHART, Martin - ANDREYEV, A.N. - ANTALIC, S. - BIANCO, L. - GREENLEES, P.T. - JAKOBSSON, U. - JONES, P. - JOSS, D.T. - JULIN, R. - JUUTINEN, S. - KETELHUT, S. - LEINO, M. - NYMAN, M. - PAGE, R.D. - PEURA, P. - RAHKILA, P. - SAREN, J. - SCHOLEY, C. - SORRI, J. - THOMSON, J. - UUSITALO, J. Determination of alpha-decay branching ratios for Hg-178, Hg-179. In *European Physical Journal A*, 2012, vol. 48, no. 7, p. 101. (2011: 2.190 - IF, Q2 - JCR, 1.907 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents). ISSN 1434-6001. Dostupné na: <https://doi.org/10.1140/epja/i2012-12101-y>

Ohlasy:

1. [1.1] BADRAN, H. - SCHOLEY, C. - AURANEN, K. et all. Confirmation of the new isotope Pb-178. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 5, 054301., Registrované v: WOS
2. [1.1] BATCHELDER, J. C. Recommended values for beta(+)-delayed proton and alpha emission. In ATOMIC DATA AND NUCLEAR DATA TABLES. ISSN 0092-640X, 2020, vol. 132, 101323., Registrované v: WOS
3. [1.1] SINGH, Sukhjeet - KUMAR, Sushil - SINGH, Balraj - JAIN, A.

K. Nuclear radius parameters ($r(0)$) for even-even nuclei from alpha decay. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2020, vol. 167, pp. 1-35., Registrované v: WOS

4. [1.1] WANG, Meng - AUDI, G. - KONDEV, F. G. - HUANG, W. J. - NAIMI, S. - XU, Xing. The AME2016 atomic mass evaluation (II). Tables, graphs and references. In CHINESE PHYSICS C. ISSN 1674-1137, 2017, vol. 41, no. 3, 030003., Registrované v: WOS

ADCA1264 VENHART, Martin - ANDREYEV, A.N. - WOOD, J.L. - ANTALIC, S. - BIANCO, L. - GREENLEES, P.T. - JAKOBSSON, U. - JONES, P. - JULIN, R. - JUUTINEN, S. - KETELHUT, S. - LEINO, M. - NYMAN, M. - PAGE, R.D. - PEURA, P. - RAHKILA, P. - SAREN, J. - SCHOLEY, C. - SORRI, J. - THOMSON, J. - UUSITALO, J. Shape coexistence in odd-mass Au isotopes: Determination of the excitation energy of the lowest intruder state in Au-179. In *Physics Letters B*, 2011, vol. 695, no. 1-4, p. 82-87. (2010: 5.255 - IF, Q1 - JCR, 3.103 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/2-s2.0-80052622414>

Ohlasy:

1. [1.1] BAGLIN, Coral M. Nuclear Data Sheets for A=183. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2016, vol. 134, no., pp. 149-430., Registrované v: WOS

2. [1.1] LYNCH, K. M. - COCOLIOS, T. E. - BILLOWES, J. et al. Combined high-resolution laser spectroscopy and nuclear decay spectroscopy for the study of the low-lying states in Fr-206, At-202, and Bi-198. In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 93, no. 1, 014319., Registrované v: WOS

3. [1.1] WANG, Meng - AUDI, G. - KONDEV, F. G. - HUANG, W. J. - NAIMI, S. - XU, Xing. The AME2016 atomic mass evaluation (II). Tables, graphs and references. In CHINESE PHYSICS C. ISSN 1674-1137, 2017, vol. 41, no. 3, 030003., Registrované v: WOS

ADCA1265 VERMA, Ankit - THAKUR, Sourbh** - MAMBA, Gcina - PRATEEK - GUPTA, Raju Kumar - THAKUR, Pankaj - THAKUR, Vijay Kumar. Graphite modified sodium alginate hydrogel composite for efficient removal of malachite green dye. In *International Journal of Biological Macromolecules*, 2020, vol. 148, p. 1130-1139. (2019: 5.162 - IF, Q1 - JCR, 0.972 - SJR, Q1 - SJR, Current Contents - CCC). (2020 - Current Contents, WOS, SCOPUS). ISSN 0141-8130. Dostupné na: <https://doi.org/10.1016/j.ijbiomac.2020.01.142>

Ohlasy:

1. [1.1] DAS, Lopamudra - DAS, Papita - BHOWAL, Avijit - BHATTACHARIEE, Chiranjib. Treatment of malachite green dye containing solution using bio-degradable Sodium alginate/NaOH treated activated sugarcane bagasse charcoal beads: Batch, optimization using response surface methodology and continuous fixed bed column study. In JOURNAL OF ENVIRONMENTAL MANAGEMENT. ISSN 0301-4797, 2020, vol. 276, 111272., Registrované v: WOS

2. [1.1] DINH THI MY HUONG - LIU, Bing-Lan - CHAI, Wai Siong - SHOW, Pau Loke - TSAI, Shen-Long - CHANG, Yu-Kaung. Highly efficient dye removal and lysozyme purification using strong and weak cation-exchange nanofiber membranes. In INTERNATIONAL JOURNAL OF BIOLOGICAL

MACROMOLECULES. ISSN 0141-8130, 2020, vol. 165, no., pp. 1410-1421., Registrované v: WOS

3. [1.1] GAO, Xiangpeng - GUO, Cheng - HAO, Junjie - ZHAO, Zhuo - LONG, Hongming - LI, Mingyang. Adsorption of heavy metal ions by sodium alginate based adsorbent-a review and new perspectives. In INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES. ISSN 0141-8130, 2020, vol. 164, no., pp. 4423-4434., Registrované v: WOS

4. [1.1] GODIYA, Chirag Batukbhai - MARTINS RUOTOLO, Luis Augusto - CAI, Weiquan. Functional biobased hydrogels for the removal of aqueous hazardous pollutants: current status, challenges, and future perspectives. In JOURNAL OF MATERIALS CHEMISTRY A. ISSN 2050-7488, 2020, vol. 8, no. 41, pp. 21585-21612., Registrované v: WOS

5. [1.1] GUO, Xi - WANG, Yan - QIN, Yimin - SHEN, Peili - PENG, Qiang. Structures, properties and application of alginic acid: A review. In INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES. ISSN 0141-8130, 2020, vol. 162, pp. 618-628., Registrované v: WOS

6. [1.1] HASSAN, N. S. - JALIL, A. A. - SATAR, M. A. H. - HITAM, C. N. C. - AZIZ, F. F. A. - FAUZI, A. A. - AZIZ, M. A. A. - BAHRUJI, H. Novel Fabrication of Photoactive CuO/HY Zeolite as an Efficient Catalyst for Photodecolorization of Malachite Green. In TOPICS IN CATALYSIS. ISSN 1022-5528, 2020, vol. 63, no. 11-14, pp. 1005-1016., Registrované v: WOS

7. [1.1] PEIGHAMBARDoust, Seyed Jamaledin - AGHAMOHAMMADI-BAVIL, Omid - FOROUTAN, Rauf - ARSALANI, Nasser. Removal of malachite green using carboxymethyl cellulose-g-polyacrylamide/montmorillonite nanocomposite hydrogel. In INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES. ISSN 0141-8130, 2020, vol. 159, no., pp. 1122-1131., Registrované v: WOS

8. [1.1] TANG, Shuxian - YANG, Jueying - LIN, Lizhi - PENG, Kelin - CHEN, Yu - JIN, Shaohua - YAO, Weishang. Construction of physically crosslinked chitosan/sodium alginate/calcium ion double-network hydrogel and its application to heavy metal ions removal. In CHEMICAL ENGINEERING JOURNAL. ISSN 1385-8947, 2020, vol. 393, 124728., Registrované v: WOS

ADCA1266 VESELSKÝ, Martin - KLIMO, Jozef - MA, Y.-G. - SOULIOTIS, G.A. Constraining the equation of state of nuclear matter from fusion hindrance in reactions leading to the production of superheavy elements. In *Physical Review C*, 2016, vol. 94, no. 6, 064608. (2015: 3.146 - IF, Q2 - JCR, 1.993 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.94.064608>

Ohlasy:

1. [1.1] GODBEY, K. - UMAR, A. S. - SIMENEL, C. Deformed shell effects in Ca-48 + Bk-249 quasifission fragments. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 2, 024610., Registrované v: WOS

2. [1.1] UMAR, A. S. - SIMENEL, C. - AYIK, S. - GODBEY, K. Equilibration dynamics in nuclear reactions. In IV INTERNATIONAL CONFERENCE ON NUCLEAR STRUCTURE AND DYNAMICS (NSD2019). ISSN 2100-014X, 2019, vol. 223, 01066., Registrované v: WOS

ADCA1267 VESELSKÝ, Martin - SOULIOTIS, G.A. Effect of nuclear periphery on nucleon transfer in peripheral collisions. In *Nuclear Physics A*, 2006, vol. 765,

no. 1-2, p. 252-261. (2005: 1.950 - IF, Q2 - JCR, 1.299 - SJR, Q1 - SJR, Current Contents - CCC). (2006 - Current Contents, WOS, SCOPUS). ISSN 0375-9474. Dostupné na: <https://doi.org/10.1016/j.nuclphysa.2005.11.001>

Ohlasy:

1. [1.1] ZHANG, X. H. Production of fragments with more neutrons than the projectile at intermediate energies. In *PHYSICAL REVIEW C*. ISSN 0556-2813, 2015, vol. 91, no. 3, 037602., Registrované v: WOS

ADCA1268 VESELSKÝ, Martin - ANDREYEV, A.N. - ANTALIC, S. - HUYSE, M. - MOELLER, P. - NISHIO, K. - SIERK, A.J. - VAN DUPPEN, P. - VENHART, Martin. Fission-barrier heights of neutron-deficient mercury nuclei. In *Physical Review C. Nuclear physics*, 2012, vol. 86, no. 2, 024308. (2011: 3.308 - IF, 2.962 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.86.024308>

Ohlasy:

1. [1.1] GHYS, L. - ANDREYEV, A. N. - ANTALIC, S. - HUYSE, M. - VAN DUPPEN, P. Empirical description of beta-delayed fission partial half-lives. In *PHYSICAL REVIEW C*. ISSN 0556-2813, 2015, vol. 91, no. 4, 044314., Registrované v: WOS
2. [1.1] KHUYAGBAATAR, J. beta(EC) delayed fission in the heaviest nuclei. In *EUROPEAN PHYSICAL JOURNAL A*. ISSN 1434-6001, 2019, vol. 55, no. 8, 134., Registrované v: WOS
3. [1.1] MOELLER, Peter - SIERK, Arnold J. - ICHIKAWA, Takatoshi - IWAMOTO, Akira - MUMPOWER, Matthew. Fission barriers at the end of the chart of the nuclides. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2015, vol. 91, no. 2, 024310., Registrované v: WOS
4. [1.1] RYSENS, W. - BENDER, M. - BENNACEUR, K. - HEENEN, P-H - MEYER, J. Impact of the surface energy coefficient on the deformation properties of atomic nuclei as predicted by Skyrme energy density functionals. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 99, no. 4, 044315., Registrované v: WOS
5. [1.1] SKOBELEV, N. K. Delayed fission of atomic nuclei (To the 50th anniversary of the discovery). In *PHYSICS OF ATOMIC NUCLEI*. ISSN 1063-7788, 2017, vol. 80, no. 5, pp. 858-866., Registrované v: WOS

ADCA1269 VESELSKÝ, Martin - SOULIOTIS, G.A. - YENNELLO, S.J. Isoscaling in peripheral nuclear collisions around the Fermi energy and a signal of chemical separation from its excitation energy dependence. In *Physical Review C. Nuclear physics*, 2004, vol. 69, no. 3, 031602. (2003: 2.708 - IF, Current Contents - CCC). (2004 - Current Contents, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.69.031602>

Ohlasy:

1. [1.1] DAI, Z. T. - FANG, D. Q. - MA, Y. G. - CAO, X. G. - ZHANG, G. Q. - SHEN, W. Q. Effect of neutron skin thickness on projectile fragmentation. In *PHYSICAL REVIEW C*. ISSN 0556-2813, 2015, vol. 91, no. 3, 034618., Registrované v: WOS

ADCA1270 VESELSKÝ, Martin - SOULIOTIS, G.A. - JANDEL, Marián. Isoscaling studies of fission: A sensitive probe into the dynamics of scission. In

Physical Review C, 2004, vol. 69, no. 4, p. 044607. Dostupné na:
<https://doi.org/10.1103/PhysRevC.69.044607>

Ohlasy:

1. [1.1] BALABEKYAN, A. R. - KARAPETYAN, G. - DEMEKHINA, N. A. - GAGINYAN, S. V. - DRNOYAN, D. R. - ZHEMENIK, V. I. - ADAM, J. - ZAVORKA, L. - SOLNYSHKIN, A. A. - TSOUPKO-SITNIKOV, V. M. - KHUSHVAKTOV, J. Isotopic Dependence of Fragment Production Cross Sections in the Reactions of Deuterons on Enriched Lead and Tin Isotopes. In *PHYSICS OF ATOMIC NUCLEI*. ISSN 1063-7788, 2018, vol. 81, no. 6, pp. 804-809., Registrované v: WOS
2. [1.1] DRNOYAN, J. - ZHEMENIK, V. I. - MISHINSKY, G. V. Isoscaling and Fission Modes in the Yields of the Kr and Xe Isotopes from Photofission of Actinides. In *PHYSICS OF PARTICLES AND NUCLEI LETTERS*. ISSN 1547-4771, 2016, vol. 13, no. 3, pp. 342-345., Registrované v: WOS
3. [1.1] HANNAMAN, A. - MCINTOSH, A. B. - JEDELE, A. - ABBOTT, A. - GAUTHIER, J. - HAGEL, K. - HARVEY, B. - KOHLEY, Z. - LUI, Y. - MCINTOSH, L. A. - MANSO, A. Rodriguez - SORENSEN, M. - TOBIN, Z. - WADA, R. - YOUNGS, M. - YENNELLO, S. J. Isoscaling and nuclear reaction dynamics. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2020, vol. 101, no. 3, 034605., Registrované v: WOS
4. [1.1] MA, Chun-Wang - HUANG, Ling - SONG, Yi-Dan. Scaling phenomena of isobaric yields in projectile fragmentation, spallation, and fission reactions. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2017, vol. 95, no. 2, 024612., Registrované v: WOS
5. [1.1] YOUNGS, M. - MCINTOSH, A. B. - HAGEL, K. - HEILBORN, L. - HUANG, M. - JEDELE, A. - KOHLEY, Z. - MAY, L. W. - MCCLESKEY, E. - ZARRELLA, A. - YENNELLO, S. J. Observation of different isoscaling behavior between emitted fragments and residues. In *NUCLEAR PHYSICS A*. ISSN 0375-9474, 2017, vol. 962, pp. 61-72., Registrované v: WOS

ADCA1271 VESELSKÝ, Martin - SOULIOTIS, G.A. Production of exotic nuclei in peripheral nucleus-nucleus collisions below 10 A MeV. In *Nuclear Physics A*, 2011, vol. 872, no. 1, p. 1-12. (2010: 1.986 - IF, Q2 - JCR, 1.153 - SJR, Q2 - SJR, Current Contents - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 0375-9474.
Dostupné na: <https://doi.org/10.1016/j.nuclphysa.2011.09.016>

Ohlasy:

1. [1.1] LI, Cheng - SOKHNA, Cheikh A. T. - XU, Xinxin - LI, Jingjing - ZHANG, Gen - LI, Bing - GE, Zhishuai - ZHANG, Feng-Shou. Isospin equilibration in multinucleon transfer reaction at near-barrier energies. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 99, no. 3, 034619., Registrované v: WOS
2. [1.1] PIANTELLI, S. - VALDRE, S. - BARLINI, S. - et al. Isospin diffusion in binary collisions of S-32+Ca-40,Ca-48 and S-32+Ti-48 at 17.7 MeV/nucleon. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2017, vol. 96, no. 3, 034622., Registrované v: WOS

ADCA1272 VESELSKÝ, Martin - SOULIOTIS, G.A. Production of cold fragments in nucleus-nucleus collisions in the Fermi-energy domain. In *Nuclear Physics A*,

2007. Vol. 781, no. 3-4, p. 521-530. ISSN 0375-9474. Dostupné na:
<https://doi.org/10.1016/j.nuclphysa.2006.11.019>

Ohlasy:

1. [1.1] MIKHAILOVA, T. I. - ERDEMCHIMEG, B. - ARTUKH, A. G. - DITORO, M. - WOLTER, H. H. Projectile Fragmentation of Ca-40, Ca-48 and Isotopic Scaling in a Transport Approach. In PHYSICS OF ATOMIC NUCLEI. ISSN 1063-7788, 2016, vol. 79, no. 4, pp. 604-616., Registrované v: WOS
2. [1.1] MIKHAILOVA, T. I. - ERDEMCHIMEG, B. - ARTUKH, A. G. - DI TORO, M. - WOLTER, H. H. PROJECTILE FRAGMENTATION AND ISOTOPIC SCALING IN A TRANSPORT APPROACH. In XXIII NUCLEAR PHYSICS WORKSHOP MARIE AND PIERRE CURIE: ESSENTIAL PROBLEMS IN NUCLEAR PHYSICS, 2016. ISSN 1899-2358, 2017, vol. 10, no. 1, pp. 121-130., Registrované v: WOS
3. [1.1] MIKHAILOVA, T. I. - ERDEMCHIMEG, B. - ARTUKH, A. G. - DI TORO, M. - WOLTER, H. H. COMBINED TRANSPORT AND STATISTICAL DESCRIPTION OF HEAVY-ION FRAGMENTATION REACTIONS. In ACTA PHYSICA POLONICA B PROCEEDINGS SUPPLEMENT. ISSN 1899-2358, 2019, vol. 12, no. 3, pp. 619-628., Registrované v: WOS

ADCA1273 VESELSKÝ, Martin - MA, Y.G. Symmetry energy and nucleon-nucleon cross sections. In *Physical Review C*, 2013, vol. 87, no. 3, 034615. (2012: 3.715 - IF, 2.769 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na:
<https://doi.org/10.1103/PhysRevC.87.034615>

Ohlasy:

1. [1.1] LIU, H. L. - MA, Y. G. - FANG, D. Q. Finite-size scaling phenomenon of nuclear liquid-gas phase transition probes. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 5, 054614., Registrované v: WOS

ADCA1274 VIDA, Gy.J. - SIMON, E. - RÓZSA, L. - PALOTÁS, Krisztián - SZUNYOGH, L. Domain-wall profiles in Co/Ir-n/Pt(111) ultrathin films: Influence of the Dzyaloshinskii-Moriya interaction. In *Physical Review B*, 2016, vol. 94, no. 21, 214422. (2015: 3.718 - IF, Q1 - JCR, 2.377 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na:
<https://doi.org/10.1103/PhysRevB.94.214422>

Ohlasy:

1. [1.1] AMOROSO, Danila - BARONE, Paolo - PICOZZI, Silvia. Spontaneous skyrmionic lattice from anisotropic symmetric exchange in a Ni-halide monolayer. In NATURE COMMUNICATIONS. ISSN 2041-1723, 2020, vol. 11, no. 1, 5784., Registrované v: WOS
2. [1.1] CORREDOR, Edna C. - KUHLAU, Susanne - KLOODT-TWESTEN, Fabian - FROEMTER, Robert - OEPEN, Hans Peter. SEMPA investigation of the Dzyaloshinskii-Moriya interaction in the single, ideally grown Co/Pt(111) interface. In PHYSICAL REVIEW B. ISSN 2469-9950, 2017, vol. 96, no. 6, 060410., Registrované v: WOS
3. [1.1] CYGOREK, Moritz - OTTEN, Matthew - KORKUSINSKI, Marek - HAWRYLAK, Pawel. Accurate and efficient description of interacting

carriers in quantum nanostructures by selected configuration interaction and perturbation theory. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 101, no. 20, 205308., Registrované v: WOS

4. [1.1] DEGER, Caner. Influence of capping layer on skyrmion and domain-wall formation in Co/Pt(111). In TURKISH JOURNAL OF PHYSICS. ISSN 1300-0101, 2020, vol. 44, no. 4, pp. 356-363., Registrované v: WOS

5. [1.1] HONG, Y. - QIU, Z. G. - ZHENG, Z. G. - WANG, G. - YU, H. Y. - CHEN, D. Y. - HAN, G. B. - ZENG, D. C. - LIU, J. P. Influencing mechanisms of atomic diffusion and compositional distribution on the magnetic anisotropy of Cr/SmCo/(Cu)/Cr thin films. In ACTA MATERIALIA. ISSN 1359-6454, 2019, vol. 164, no., pp. 627-635., Registrované v: WOS

6. [1.1] ISHIKURO, Yuto - KAWAGUCHI, Masashi - KATO, Naoaki - LAU, Yong-Chang - HAYASHI, Masamitsu. Dzyaloshinskii-Moriya interaction and spin-orbit torque at the Ir/Co interface. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 99, no. 13, 134421., Registrované v: WOS

7. [1.1] KIM, Kyoung-Whan - MOON, Kyoung-Woong - KERBER, Nico - NOTHELFER, Jonas - EVERSCHOR-SITTE, Karin. Asymmetric skyrmion Hall effect in systems with a hybrid Dzyaloshinskii-Moriya interaction. In PHYSICAL REVIEW B. ISSN 2469-9950, 2018, vol. 97, no. 22, 224427., Registrované v: WOS

8. [1.1] KLOODT-TWESTEN, Fabian - KUHRAU, Susanne - OEPEN, Hans Peter - FROEMTER, Robert. Measuring the Dzyaloshinskii-Moriya interaction of the epitaxial Co/Ir(111) interface. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 100, no. 10, 100402., Registrované v: WOS

9. [1.1] PERINI, Marco - MEYER, Sebastian - DUPE, Bertrand - VON MALOTTKI, Stephan - KUBETZKA, Andre - VON BERGMANN, Kirsten - WIESENDANGER, Roland - HEINZE, Stefan. Domain walls and Dzyaloshinskii-Moriya interaction in epitaxial Co/Ir(111) and Pt/Co/Ir(111). In PHYSICAL REVIEW B. ISSN 2469-9950, 2018, vol. 97, no. 18, 184425., Registrované v: WOS

10. [1.1] SANDRATSKII, L. M. - HAVELA, L. Microscopic nature of drastic influence of hydrogen on the magnetic anisotropy of 5f-electron systems: The case of U₂Ni₂Sn. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 101, no. 10, 100409., Registrované v: WOS

11. [1.1] VLASKO-VLASOV, V. K. - KWOK, W-K - DONG, S. - LIU, X. - DOBROWOLSKA, M. - FURDYNA, J. K. Extreme asymmetry of Neel domain walls in multilayered films of the dilute magnetic semiconductor (Ga,Mn)(As,P). In PHYSICAL REVIEW B. ISSN 2469-9950, 2018, vol. 98, no. 18, 180411., Registrované v: WOS

12. [1.1] ZIELINSKI, Michal. Excitonic complexes in InAs/InP nanowire quantum dots. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 101, no. 19, 195302., Registrované v: WOS

13. [1.1] ZIMMERMANN, Bernd - BIHLMAYER, Gustav - BOETTCHER, Marie - BOUHASSOUNE, Mohammed - LOUNIS, Samir - SINOVA, Jairo - HEINZE, Stefan - BLUEGEL, Stefan - DUPE, Bertrand. Comparison of first-principles methods to extract magnetic parameters in ultrathin films: Co/Pt(111). In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 99, no. 21, 214426., Registrované v: WOS

ADCA1275 VIDIELLABARRANCO, A. - MOYACESSA, H. - BUŽEK, Vladimír. Interaction of superpositions of coherent states of light with 2-level atoms. In *Journal of Modern Optics*, 1992, vol. 39, no. 7, p. 1441-1459. ISSN 0950-0340.

Ohlasy:

1. [1.1] ABBASI, Omid - JAFARI, Akbar. Dynamics of entropy and quantum statistical properties of the field in the interaction of a single two-level atom with a superposition of nonlinear coherent states in the framework of f-deformed Jaynes-Cummings model. In *OPTICAL AND QUANTUM ELECTRONICS*. ISSN 0306-8919, 2016, vol. 48, no. 9, 434., Registrované v: WOS
2. [1.1] ABBASI, O. - JAFARI, A. Four-photon nonlinear coherent states. In *JOURNAL OF MODERN OPTICS*. ISSN 0950-0340, 2017, vol. 64, no. 1, pp. 32-45., Registrované v: WOS
3. [1.1] BATOULI, J. - EL BAZ, M. - MAAOUNI, A. Optical properties of the superposition of q-deformed coherent states. In *MODERN PHYSICS LETTERS A*. ISSN 0217-7323, 2016, vol. 31, no. 34, 1650190., Registrované v: WOS
4. [1.1] DIAZ-BAUTISTA, Erik - FERNANDEZ C, David J. Multiphoton supercoherent states. In *EUROPEAN PHYSICAL JOURNAL PLUS*. ISSN 2190-5444, 2019, vol. 134, no. 2, 61., Registrované v: WOS
5. [1.1] MOJAVERI, B. - DEHGHANI, A. - AHMADI, Z. - AMIRI FASEGHANDIS, S. Interaction of a para-Bose state with two two-level atoms: control of dissipation by a local classical field. In *EUROPEAN PHYSICAL JOURNAL PLUS*. ISSN 2190-5444, 2020, vol. 135, no. 2, 227., Registrované v: WOS

ADCA1276 VLASÁK, Gabriel - ŠVEC, Peter - DUHAJ, Pavol. Application of isochronal dilatation measurements for determination of viscosity of amorphous alloys. In *Materials Science and Engineering A*, 2001, vol. 304-306, p. 472-475. (2000: 0.897 - IF, Current Contents - CCC). (2001 - Current Contents, WOS, SCOPUS). ISSN 0921-5093.

Ohlasy:

1. [1.1] FEDOROV, Victor - BEREZNER, Arseniy - PLUZHNIKOVA, Tatiana - BESKROVNYI, Anatolyi. Investigation of Inhomogeneous Deformation in Band Amorphous Alloys at Constant Heating Rate. In *PROSPECTS OF FUNDAMENTAL SCIENCES DEVELOPMENT (PFSD-2017)*. ISSN 0094-243X, 2017, vol. 1899, UNSP 030001-1., Registrované v: WOS
2. [1.1] FEDOROV, V. A. - BEREZNER, A. D. - PLUZHNIKOVA, T. N. Research of creep deformation in amorphous and nanocrystalline alloys at variable temperature field. In *XII INTERNATIONAL CONFERENCE RADIATION-THERMAL EFFECTS AND PROCESSES IN INORGANIC MATERIALS*. ISSN 1757-8981, 2017, vol. 168, UNSP 012027., Registrované v: WOS

ADCA1277 VLASÁK, Gabriel - JERGEL, Matej - DUHAJ, Pavol. Compositional dependence of magnetostriction of amorphous Co-Fe-B and CO-Ni-B alloys. In *Materials Science and Engineering*, 1988, vol. 99, p. 109-112. ISSN 0921-5093.

Ohlasy:

1. [1.1] STANO, Michal - SCHAEFER, Sandra - WARTELLE, Alexis -

RIOULT, Maxime - BELKHOUE, Rachid - SALA, Alessandro - MENTES, Tevfik O. - LOCATELLI, Andrea - CAGNON, Laurent - TRAPP, Beatrix - BOCHMANN, Sebastian - MARTIN, Sylvain Y. - GAUTIER, Eric - TOUSSAINT, Jean-Christophe - ENSINGER, Wolfgang - FRUCHAR, Olivier. Flux-closure domains in high aspect ratio electroless-deposited CoNiB nanotubes. In *SCIPOST PHYSICS*. ISSN 2542-4653, 2018, vol. 5, no. 4, 038., Registrované v: WOS

ADCA1278 VLASÁK, Gabriel. Direct measurement of magnetostriction of rapidly quenched thin ribbons. In *Journal of Magnetism and Magnetic Materials*, 2000, vol. 215-216, p. 479-481. (1999: 1.195 - IF, Current Contents - CCC). (2000 - Current Contents, WOS, SCOPUS). ISSN 0304-8853. Dostupné na: [https://doi.org/10.1016/S0304-8853\(00\)00193-1](https://doi.org/10.1016/S0304-8853(00)00193-1)

Ohlasy:

1. [1.1] ZIVOTSKY, O. - TITOV, A. - JIRASKOVA, Y. - BURSÍK, J. - HENDRYCH, A. - HRABOVSKA, K. - TSEPELEV, V. S. Surface and bulk magnetic anisotropy in bilayered CoSiB/FeNbCuSiB and FeNbSiB/FeSiB ribbons. In *JOURNAL OF ALLOYS AND COMPOUNDS*. ISSN 0925-8388, 2016, vol. 681, no., pp. 402-411., Registrované v: WOS

ADCA1279 VLASÁK, Gabriel - ŠVEC, Peter - DUHAJ, Pavol. Evolution of magnetostriction in Fe_{73.5}-xNiCu₁Nb₃Si_{13.5}B₉ (x= 0, 10, 20, 30, 40) alloy in the course of transformation. In *Journal of Magnetism and Magnetic Materials*, 2003, vol. 254, p. 225-227.

Ohlasy:

1. [1.1] LUKSHINA, V. A. - DMITRIEVA, N. V. - VOLKOVA, E. G. - SHISHKIN, D. A. Structure of the Fe_{63.5}Ni₁₀Cu₁Nb₃Si_{13.5}B₉ Alloy Nanocrystallized in the Presence of Tensile Stresses. In *PHYSICS OF METALS AND METALLOGRAPHY*. ISSN 0031-918X, 2019, vol. 120, no. 12, pp. 1145-1151., Registrované v: WOS

ADCA1280 VLASÁK, Gabriel - ŠVEC, Peter - KUZMINSKI, M. - SLAWSKA-WANIEWSKA, A. - BUTVINOVA, Beata - BUTVIN, Pavol - HOŠKO, Jozef. Evolution of physical properties of amorphous Fe-Ni-Nb-B alloys with different Ni/Fe ratio upon thermal treatment. In *Journal of Alloys and Compounds*, 2011, vol. 509, supplement 1, s64-S68. (2010: 2.138 - IF, Q1 - JCR, 1.073 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents). ISSN 0925-8388. Dostupné na: <https://doi.org/10.1016/j.jallcom.2010.12.106>

Ohlasy:

1. [1.1] BOICHYSHYN, L. M. - HERTSYK, O. M. - LOPACHAK, M. M. - KOVBUZ, M. O. - HULA, T. H. - PANDYAK, N. L. Electrochemical Properties of Ternary Amorphous Alloys Based on Iron and Cobalt in Alkali Solutions. In *MATERIALS SCIENCE*. ISSN 1068-820X, 2020, vol. 55, no. 5, pp. 703-709., Registrované v: WOS

2. [1.1] CHEN, Zhe - ZHU, Qanke - ZHANG, Kewei - JIANG, Yong. The Non-Isothermal and Isothermal Crystallization Behavior and Mechanism of Fe-Ni Alloys. In *CRYSTAL GROWTH & DESIGN*. ISSN 1528-7483, 2020, vol. 20, no. 4, pp. 2187-2193., Registrované v: WOS

3. [1.1] CHEN, Zhe - ZHU, Qian-Ke - ZHANG, Shu-Ling - ZHANG, Ke-Wei - JIANG, Yong. Thermal stability, crystallization, and magnetic

- properties of FeNiBCuNb alloys. In CHINESE PHYSICS B. ISSN 1674-1056, 2019, vol. 28, no. 8, 087502., Registrované v: WOS
4. [1.1] KADZIOLKA-GAWEL, M. - BABILAS, R. - GRANEK, K. Mossbauer Study of Some Intermetallic Compounds Fe_{80-x}Ni_xB₂₀ (x=8, 16, 24, 28). In ACTA PHYSICA POLONICA A. ISSN 0587-4246, 2018, vol. 133, no. 3, pp. 651-653., Registrované v: WOS
5. [1.1] SENDERAKOVA, D. - DRZIK, M. - MAXOVA, V. - ILIT, T. An optical magnetometer based on the magneto-optical Kerr effect. In 21ST CZECH-POLISH-SLOVAK OPTICAL CONFERENCE ON WAVE AND QUANTUM ASPECTS OF CONTEMPORARY OPTICS. ISSN 0277-786X, 2018, vol. 10976, UNSP 1097603., Registrované v: WOS
6. [1.1] SINHA, A. K. - SINGH, M. N. - UPADHYAY, Anuj - SATALKAR, M. - SHAH, M. - GHODKE, N. - KANE, S. N. - VARGA, L. K. A correlation between the magnetic and structural properties of isochronally annealed Cu-free FINEMET alloy with composition Fe₇₂B_{19.2}Si_{4.8}Nb₄. In APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING. ISSN 0947-8396, 2015, vol. 118, no. 1, pp. 291-299., Registrované v: WOS

ADCA1281 VLASÁK, Gabriel - KACZKOWSKI, Z. - ŠVEC, Peter - DUHAJ, Pavol. Influence of heat treatment on magnetostrictions of Finemet Fe_{73.5}Cu₁Nb₃Si_{3.5}B₉. In *Materials Science and Engineering A*, 1997, vol. 226, p. 749-752. (1996: 0.852 - IF, Current Contents - CCC). (1997 - Current Contents, WOS, SCOPUS). ISSN 0921-5093. Dostupné na: [https://doi.org/10.1016/s0921-5093\(97\)80078-0](https://doi.org/10.1016/s0921-5093(97)80078-0)

Ohlasy:

1. [1.1] LVOV, Victor A. - KOSOGOR, Anna - BARANDIARAN, Jose M. - CHERNENKO, Volodymyr A. Influence of aging and thermomechanical cycling on the magnetostriction and magnetic shape memory effect in martensitic alloy. In JOURNAL OF PHYSICS D-APPLIED PHYSICS. ISSN 0022-3727, 2015, vol. 48, no. 39, 395002., Registrované v: WOS
2. [1.1] WANG, Yuhao - TIAN, Yefan - KIRK, Tanner - LARIS, Omar - ROSS, Joseph H. - NOEBE, Ronald D. - KEYLIN, Vladimir - ARROYAVE, Raymundo. Accelerated design of Fe-based soft magnetic materials using machine learning and stochastic optimization. In ACTA MATERIALIA. ISSN 1359-6454, 2020, vol. 194, pp. 144-155., Registrované v: WOS

ADCA1282 VLASÁK, Gabriel - PAVÚK, M. - MRAFKO, Peter - JANIČKOVIČ, Dušan - ŠVEC, Peter - BUTVINOVÁ, Beata. Influence of heat treatment on magnetostrictions and electrical properties of (Fe₁Co₁)(₇₆)Mo₈Cu₁B₁₅. In *Journal of Magnetism and Magnetic Materials*, 2008, vol. 320, no. 20, e837-E840. (2007: 1.704 - IF, Q2 - JCR, 0.711 - SJR, Q2 - SJR, Current Contents - CCC). (2008 - Current Contents, SCOPUS). ISSN 0304-8853. Dostupné na: <https://doi.org/10.1016/j.jmmm.2008.04.168>

Ohlasy:

1. [1.1] DAI, J. - WANG, Y. G. - MIAO, X. F. - YANG, L. - GUO, G. Q. - XIA, G. T. Atomic-scale mechanisms of annealing-induced coercivity modification in metallic glass. In JOURNAL OF MATERIALS SCIENCE. ISSN 0022-2461, 2016, vol. 51, no. 18, pp. 8655-8662., Registrované v: WOS
2. [1.1] TAGHVAEI, Amir Hossein - ECKERT, Jurgen. Development and characterization of new Co-Fe-Hf-B bulk metallic glass with high thermal

stability and superior soft magnetic performance. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2020, vol. 823, 153890., Registrované v: WOS

3. [1.1] VARGA, Rastislav - KLEIN, Peter - SABOL, Rudolf - RICHTER, Kornel - HUDAK, Radovan - POLACEK, Irenej - PRASLICKA, Dusan - SMELKO, Miroslav - HUDAK, Jozef - MIKITA, Ivan - ANDREA BADINI-CONFALONIERI, Giovanni - EL KAMMOUNI, Rhimou - VAZQUEZ, Manuel. Magnetically Bistable Microwires: Properties and Applications for Magnetic Field, Temperature, and Stress Sensing. In HIGH PERFORMANCE SOFT MAGNETIC MATERIALS. ISSN 0933-033X, 2017, vol. 252, pp. 169-212., Registrované v: WOS

ADCA1283 VLASÁK, Gabriel - ŠVEC, Peter - JANIČKOVIČ, Dušan. Magnetostriction as important quantity in transformations of Fe_{73.5}-xNi_xCu₁Nb₃Si_{13.5}B₉ finemets into nanocrystalline phases. In *Materials Sciences and Engineering A*, 2004, vol. 375-377, p. 1149-1152. Dostupné na: <https://doi.org/10.1016/j.msea.2003.10.204>

Ohlasy:

1. [1.1] BAYRI, N. - ATALAY, S. - KOLAT, V. S. - IZGI, T. - SOVAK, P. Study of nanocrystallization process in FeCrCuNbSiB amorphous alloys by Young's modulus measurements. In JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS. ISSN 1454-4164, 2015, vol. 17, no. 9-10, pp. 1372., Registrované v: WOS

ADCA1284 VLASÁK, Gabriel - JANIČKOVIČ, Dušan - ŠVEC, Peter. Magnetostriction measurements of (Fe-Co)-Mo-Cu-B alloys with varying atomic Fe/Co ratio. In *Acta Physica Polonica A*, 2008, vol. 113, no. 1, p. 107-110.

Ohlasy:

1. [1.1] MURUGAIYAN, Premkumar - ABHINAV, Anand - VERMA, Rahul - PANDA, Ashis K. - MITRA, Amitava - BAYSAXH, Sandip - ROY, Rajat K. Influence of Al addition on structural, crystallization and soft magnetic properties of DC Joule annealed FeCo based nanocrystalline alloys. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2018, vol. 448, pp. 66-74., Registrované v: WOS

ADCA1285 VLASÁK, Gabriel - CONDE, C.F. - JANIČKOVIČ, Dušan - ŠVEC, Peter. Magnetostriction measurements of (Fe-Co)-Mo-Cu-B alloys with varying atomic Fe/Co ratio. In *Materials Science and Engineering A - Structural Materials Properties Microstructure and Processing*, 2007, vol. 449, p. 464-467. (2006: 1.490 - IF, Q2 - JCR, 1.337 - SJR, Q1 - SJR, Current Contents - CCC). (2007 - Current Contents, WOS, SCOPUS). ISSN 0921-5093. Dostupné na: <https://doi.org/10.1016/j.msea.2006.02.347>

Ohlasy:

1. [1.1] MIGLIERINI, Marcel - PAVLOVIC, Marius - PROCHAZKA, Vit - HATALA, Tomas - SCHUMACHER, Gerhard - RUEFFER, Rudolf. Evolution of structure and local magnetic fields during crystallization of HITPERM glassy alloys studied by in situ diffraction and nuclear forward scattering of synchrotron radiation. In PHYSICAL CHEMISTRY CHEMICAL PHYSICS. ISSN 1463-9076, 2015, vol. 17, no. 42, pp. 28239., Registrované v: WOS

ADCA1286 VOLKOV, M. K. - YUDICHEV, V. L. - NAGY, Miroslav. *Decays of excited pseudoscalar and vector mesons in the chiral $U(3) \times U(3)$ model*. Dostupné na: <https://doi.org/10.1007/BF03035904>

Ohlasy:

1. [1.1] ESHRAIM, Walaa I. Decay of the pseudoscalar glueball and its first excited state into scalar and pseudoscalar mesons and their first excited states. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 100, no. 9, 096007., Registrované v: WOS

ADCA1287 VOLKOV, M.K. - EBERT, D. - NAGY, Miroslav. Excited pions, rho- and omega-mesons and their decays in a chiral $SU(2) \times SU(2)$ Lagrangian. In *International Journal of Modern Physics A*, 1998, vol. 13, no. 32, p. 5443-5457. ISSN 0217-751X. Dostupné na: <https://doi.org/10.1142/S0217751X9800247X>

Ohlasy:

1. [1.1] ESHRAIM, Walaa I. Decay of the pseudoscalar glueball and its first excited state into scalar and pseudoscalar mesons and their first excited states. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 100, no. 9, 096007., Registrované v: WOS
2. [1.1] KAZEMI, E. - GHAHRAMANY, N. Calculation of coupling constants and decay width of light meson with kaon from QCD sum rules. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 3, 034016., Registrované v: WOS
3. [1.1] LI, Ya - MA, Ai-Jun - WANG, Wen-Fei - XIAO, Zhen-Jun. Quasi-two-body decays $B(s) \rightarrow \rho(1450), \rho(1700) \rightarrow \pi \pi$ in the perturbative QCD approach. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 3, 036014., Registrované v: WOS
4. [1.1] MA, Ai-Jun - LI, Ya - WANG, Wen-Fei - XIAO, Zhen-Jun. Quasi-two-body decays $B(s) \rightarrow D(\rho(1450), \rho(1700)) \rightarrow D \pi \pi$ in the perturbative QCD factorization approach. In PHYSICAL REVIEW D. ISSN 2470-0010, 2017, vol. 96, no. 9, 093011., Registrované v: WOS
5. [1.1] PARGANLIJA, Denis - GIACOSA, Francesco. Excited scalar and pseudoscalar mesons in the extended linear sigma model. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2017, vol. 77, no. 7, 450., Registrované v: WOS
6. [1.1] SHEKHOVTSOVA, Olga. Review of $e^+e^- \rightarrow \pi^+\pi^-\eta$. In KLOE-2 WORKSHOP ON E^+E^- COLLISION PHYSICS AT 1 GEV. ISSN 2100-014X, 2018, vol. 166, 00016., Registrované v: WOS

ADCA1288 VOLKOV, M.K. - NAGY, Miroslav - YUDICHEV, V.L. Scalar mesons in the Nambu- Jona- Lasinio model with the 't Hooft interaction. In *Nuovo Cimento della Societa Italiana di Fisica A*, 1999, vol. 112, no. 3, p. 225-232. Dostupné na: <https://doi.org/10.1007/BF03035844>

Ohlasy:

1. [1.1] LAKASCHUS, Phillip - MAULDIN, Justin L. P. - GIACOSA, Francesco - RISCHKE, Dirk H. Role of a four-quark and a glueball state in pion-pion and pion-nucleon scattering. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 4, 045203., Registrované v: WOS

BONASERA, A. Microscopic dynamical description of proton-induced fission with the constrained molecular dynamics model. In *Physical Review C*, 2015, vol. 92, no. 2, 024616. (2014: 3.733 - IF, Q1 - JCR, 2.480 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.92.024616>

Ohlasy:

1. [1.1] ESLAMIZADEH, H. Dynamical simulation of the fission process and anisotropy of the fission fragment angular distributions of excited nuclei produced in fusion reactions. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2016, vol. 94, no. 4, 044610., Registrované v: WOS
2. [1.1] ESLAMIZADEH, H. Theoretical study of different features of the fission process of excited nuclei in the framework of the modified statistical model and four-dimensional dynamical model. In *JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS*. ISSN 0954-3899, 2017, vol. 44, no. 2, 025102., Registrované v: WOS
3. [1.1] ESLAMIZADEH, H. - AHADI, E. Fission characteristics of the excited compound nucleus Rn-210 in the framework of the four-dimensional dynamical model. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2017, vol. 96, no. 3, 034621., Registrované v: WOS
4. [1.1] ESLAMIZADEH, H. - BAGHERI, F. Simulation of the fission dynamics of the excited compound nuclei Po-206 and Yb-168 produced in the reactions C-12+Pt-194 and O-18+Sm-150. In *CHINESE PHYSICS C*. ISSN 1674-1137, 2017, vol. 41, no. 4, 044101., Registrované v: WOS
5. [1.1] ESLAMIZADEH, H. - PIRPOUR, M. Effects of isospin and dissipation coefficient of the K coordinate in simulation of fission dynamics of excited compound nuclei. In *INTERNATIONAL JOURNAL OF MODERN PHYSICS E*. ISSN 0218-3013, 2020, vol. 29, no. 2, 2050007., Registrované v: WOS
6. [1.1] ESLAMIZADEH, H. - RAANAEI, H. Dynamical study of fission process at low excitation energies in the framework of the four-dimensional Langevin equations. In *PHYSICS LETTERS B*. ISSN 0370-2693, 2018, vol. 783, pp. 163-168., Registrované v: WOS
7. [1.1] ESLAMIZADEH, H. - RAZAZZADEH, H. Statistical and dynamical modeling of heavy-ion fusion-fission reactions. In *PHYSICS LETTERS B*. ISSN 0370-2693, 2018, vol. 777, pp. 265-269., Registrované v: WOS
8. [1.1] SCHMIDT, Karl-Heinz - JURADO, Beatriz. Review on the progress in nuclear fission-experimental methods and theoretical descriptions. In *REPORTS ON PROGRESS IN PHYSICS*. ISSN 0034-4885, 2018, vol. 81, no. 10, 106301., Registrované v: WOS
9. [1.1] SU, Jun - ZHU, Long - GUO, Chenchen. Influence of the nuclear level density on the odd-even staggering in Fe-56 + p spallation at energies from 300 to 1500 MeV/nucleon. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2018, vol. 97, no. 5, 054604., Registrované v: WOS
10. [1.1] YANG, Guanming - XU, Suyang - JIN, Mengting - SU, Jun. Prediction of the cross-sections of isotopes produced in deuteron-induced spallation of long-lived fission products. In *CHINESE PHYSICS C*. ISSN 1674-1137, 2019, vol. 43, no. 10, 104101., Registrované v: WOS

ADCA1290 VONTA, N. - SOULIOTIS, G.A. - LOVELAND, W. - KWON, Y.K. - TSHOO, K. - JEONG, S.C. - VESELSKÝ, Martin - BONASERA, A. - BOTVINA, A. Neutron-rich rare-isotope production from projectile fission of heavy nuclei near 20 MeV/nucleon beam energy. In *Physical Review C*, 2016, vol. 94, no. 6, 064611. (2015: 3.146 - IF, Q2 - JCR, 1.993 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.94.064611>

Ohlasy:

1. [1.1] CAP, T. - SIWEK-WILCZYNSKA, K. - WILCZYNSKI, J. - AUDITORE, L. - CARDELLA, G. - DE FILIPPO, E. - GERACI, E. - GRZESZCZUK, A. - LA GUIDARA, E. - GNOFFO, G. - KOZIK, T. - LANZALONE, G. - LOMBARDO, I. - MARTORAMA, M. - NAJMAN, R. - NICOLIS, N. G. - PAGANO, A. - PAGANO, E. - PAPA, M. - PIASECKI, E. - PIRRONE, S. - PLANETA, R. - POLITI, G. - RIZZOI, F. - RUSSOTTO, P. - SKWIRA-CHALOT, I. - TRIFIRO, A. - TRIMARCHI, M. - VERDE, G. - ZIPPER, W. COMPETITION BETWEEN DYNAMICAL AND SEQUENTIAL REACTION CHANNELS IN Au-197+Au-197 COLLISIONS AT A BOMBARDING ENERGY OF 23A MeV. In *ACTA PHYSICA POLONICA B*. ISSN 0587-4254, 2019, vol. 50, no. 3, pp. 501-506., Registrované v: WOS
2. [1.2] ZHU, Long - SU, Jun - ZHANG, Feng Shou. Theoretical predictions on production of neutron-deficient nuclei with $Z \geq 93$ in multinucleon transfer reactions. In *Nuclear Physics A*. ISSN 03759474, 2017, vol. 964, pp. 93-99., Registrované v: SCOPUS
3. [1.2] ZHU, Long - SU, Jun - WEN, Pei Wei. Optimal incident energies for production of neutron-deficient actinide nuclei in the reaction Ni 58 + U 238. In *Physical Review C*. ISSN 24699985, 2017, vol. 95, no. 4, 044608., Registrované v: SCOPUS
4. [1.2] ZHU, Long - ZHANG, Feng Shou - WEN, Pei Wei - SU, Jun - XIE, Wen Jie. Production of neutron-rich nuclei with $Z=60-73$ in reactions induced by Xe isotopes. In *Physical Review C*. ISSN 24699985, 2017, vol. 96, no. 2, 024606., Registrované v: SCOPUS
5. [1.2] ZHU, Long. Theoretical study on production cross sections of exotic actinide nuclei in multinucleon transfer reactions, In *CHINESE PHYSICS C*, 2017, vol. 41, no. 12, 124102., Registrované v: WOS

ADCA1291 VOURNA, P. - HRISTOFOROU, E. - K TENA, A. - ŠVEC, Peter - MANGIOROU, E. Dependence of Magnetic Permeability on Residual Stresses in Welded Steels. In *IEEE Transactions on Magnetics*, 2017, vol. 53, no. 4, art. no. 7742409. (2016: 1.243 - IF, Q3 - JCR, 0.653 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 0018-9464. Dostupné na: <https://doi.org/10.1109/TMAG.2016.2628025>

Ohlasy:

1. [1.1] DE CAMPOS, M. F. ACHIEVEMENTS IN MICROMAGNETIC TECHNIQUES OF STEEL PLASTIC STAGE EVALUATION. In *ADVANCES IN MATERIALS SCIENCE*. ISSN 2083-4799, 2020, vol. 20, no. 1, pp. 16-55., Registrované v: WOS
2. [1.1] REN, W. P. - XU, K. - DIXON, S. A Study of Stress Dependent Magnetostriction on Steel Plate by Analysis of an Electromagnetically Generated S0 Lamb Wave. In *JOURNAL OF NONDESTRUCTIVE EVALUATION*. ISSN 0195-9298, 2019, vol. 38, no. 4, 102., Registrované v: WOS

3. [1.1] ZENG, Zhoumo - ZHAO, Chengwu - HUANG, Xinjing - LI, Jian - CHEN, Shili. Non-invasive pressure measurement based on magneto-mechanical effects. In MEASUREMENT SCIENCE AND TECHNOLOGY. ISSN 0957-0233, 2018, vol. 29, no. 9, 095106., Registrované v: WOS

ADCA1292 VRANA, P. - REEB, D. - REITZNER, Daniel - WOLF, M.M. Fault-ignorant quantum search. In *New Journal of Physics*, 2014, vol. 16, 073033. (2013: 3.671 - IF, Q1 - JCR, 2.871 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1367-2630. Dostupné na: <https://doi.org/10.1088/1367-2630/16/7/073033>

Ohlasy:

1. [1.1] COHN, Ilan - FONSECA DE OLIVEIRA, Andre L. - BUKSMAN, Efrain - LOPEZ DE LACALLE, Jesus Garcia. Grover's search with local and total depolarizing channel errors: Complexity analysis. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION. ISSN 0219-7499, 2016, vol. 14, no. 2, 1650009., Registrované v: WOS
2. [1.1] DE OLIVEIRA, Andre L. Fonseca - BUKSMAN, Efrain - COHN, Ilan - LOPEZ DE LACALLE, Jesus Garcia. Characterizing error propagation in quantum circuits: the Isotropic Index. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2017, vol. 16, no. 2, UNSP 48., Registrované v: WOS
3. [1.1] TARANTO, Philip - MODI, Kavan - POLLOCK, Felix A. Emergence of a fluctuation relation for heat in nonequilibrium Landauer processes. In PHYSICAL REVIEW E. ISSN 2470-0045, 2018, vol. 97, no. 5, 052111., Registrované v: WOS

ADCA1293 VRETENÁR, Viliam - KUBIČÁR, Ľudovít - BOHÁČ, Vlastimil - TIANO, P. Thermophysical analysis of gioia marble in dry and water-saturated states by the pulse transient method. In *International Journal of Thermophysics*, 2007, vol. 28, no. 5, p. 1522-1535.

Ohlasy:

1. [1.1] SHIBA, Tsuneo - FURUSHITA, Manabu. Pressure-induced inactivation of bacteria through pressure-assisted thawing using a thermal buffer zone. In INNOVATIVE FOOD SCIENCE & EMERGING TECHNOLOGIES. ISSN 1466-8564, 2017, vol. 39, pp. 19-24., Registrované v: WOS

ADCA1294 VRŠANSKÝ, Peter* - SENDI, Hemen** - ARISTOV, Danil* - BECHLY, Günter - MÜLLER, Patrick - ELLENBERGER, Sieghard - AZAR, Dany - UEDA, K. - BARNA, Peter - GARCIA, Thierry. Ancient roaches further exemplify 'no land return' in aquatic insects. In *Gondwana Research*, 2019, vol. 68, p. 22-33. (2018: 6.478 - IF, Q1 - JCR, 3.612 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 1342-937X. Dostupné na: <https://doi.org/10.1016/j.gr.2018.10.020>

Ohlasy:

1. [1.1] HINKELMAN, Jan - VRŠANSKA, Lucia. A Myanmar amber cockroach with protruding feces contains pollen and a rich microcenosis. In SCIENCE OF NATURE. ISSN 0028-1042, 2020, vol. 107, no. 2, pp. Dostupné na: <https://doi.org/10.1007/s00114-020-1669-y>, Registrované v: WOS
2. [1.1] HINKELMAN, Jan. Earliest behavioral mimicry and possible

food begging in a Mesozoic alienopterid pollinator. In BIOLOGIA. ISSN 0006-3088, 2020, vol. 75, no. 1, pp. 83-92., Registrované v: WOS

3. [1.1] HINKELMAN, Jan. Spinaeblattina myanmarensis gen. et sp. nov. and Blattoothecichnus argenteus ichnogen. et ichnosp. nov. (both Mesoblattinidae) from mid-Cretaceous Myanmar amber. In CRETACEOUS RESEARCH. ISSN 0195-6671, 2019, vol. 99, pp. 229-239., Registrované v: WOS

4. [1.1] CHEN, Tao - LIU, Shaohua - LE, Xiaojie - CHEN, Lei. A new cockroach (Insecta: Blattaria: Blattulidae) from the Lower Cretaceous Laiyang Formation of China. In CRETACEOUS RESEARCH. ISSN 0195-6671, 2019, vol. 101, pp. 17-22., Registrované v: WOS

5. [1.1] LI, Jingxia - ZHAO, Xiangdong - GAO, Yunpeng - WANG, Bo - XIAO, Chuantao. Cockroach Stavba jarzembowskii sp. nov. (Blattaria: Liberiblattinidae) from mid-Cretaceous Burmese amber. In CRETACEOUS RESEARCH. ISSN 0195-6671, 2020, vol. 115, no., pp. Dostupné na: <https://doi.org/10.1016/j.cretres.2020.104531>., Registrované v: WOS

6. [1.1] QIU (CLYDE QIU), Lu - LIU, Yu-Chao - WANG, Zong-Qing - CHE, Yan-Li. The first blattid cockroach (Dictyoptera: Blattodea) in Cretaceous amber and the reconsideration of purported Blattidae. In CRETACEOUS RESEARCH. ISSN 0195-6671, 2020, vol. 109, no., pp. Dostupné na: <https://doi.org/10.1016/j.cretres.2019.104359>., Registrované v: WOS

7. [1.1] VERMEIJ, Geerat J. The ecology of marine colonization by terrestrial arthropods. In ARTHROPOD STRUCTURE & DEVELOPMENT. ISSN 1467-8039, 2020, vol. 56, no., pp. Dostupné na: <https://doi.org/10.1016/j.asd.2020.100930>., Registrované v: WOS

8. [3.1] MAKSOUD, S. - AZAR, D. Lebanese amber: latest updates. In Palaeoentomology, 2020, Vol. 3, N. 2, p. 125-155.

9. [4.1] KOUBOVÁ, I. - MLYNSKÝ, T. Two new mid-Cretaceous dictyopterans (Umenocoleidae: Vitisminae) from northern Myanmar exemplify taphonomic bias. In Amba projekty, 2020, Vol. 10, N. 1, p. 1-16.

ADCA1295 VRŠANSKÝ, Peter* - VRŠANSKÁ, Lucia* - BEŇO, Milan* - BAO, Tong - LEI, Xiaojie - REN, Xiaoyin - WU, H. - ŠMÍDOVÁ, Lucia - BECHLY, Günter - JUN, Lv - YEO, Melvyn - JARZEMBOWSKI, Edmund. Pathogenic DWV infection symptoms in a Cretaceous cockroach. In *Palaeontographica : Abteilung A - Paläozoologie Stratigraphie*, 2019, vol. 314, no. 1-3, p. 1-10. (2018: 1.294 - IF, Q3 - JCR, 0.587 - SJR, Q2 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 0375-0442. Dostupné na: <https://doi.org/10.1127/pala/2019/0084>

Ohlasy:

1. [1.1] BARNA, Peter - SMIDOVA, Lucia - COUTINO JOSE, Marco Antonio. Living cockroach genus Anaplecta discovered in Chiapas amber (Blattaria: Ectobiidae: Anaplecta vega sp.n.). In PEERJ. ISSN 2167-8359, 2019, vol. 7, no., pp., Registrované v: WOS

2. [1.1] HINKELMAN, Jan - VRSANSKA, Lucia. A Myanmar amber cockroach with protruding feces contains pollen and a rich microcenosis. In SCIENCE OF NATURE. ISSN 0028-1042, 2020, vol. 107, no. 2, pp. Dostupné na: <https://doi.org/10.1007/s00114-020-1669-y>., Registrované v: WOS

3. [1.1] CHEN, Tao - LIU, Shaohua - LE, Xiaojie - CHEN, Lei. A new cockroach (Insecta: Blattaria: Blattulidae) from the Lower Cretaceous Laiyang Formation of China. In CRETACEOUS RESEARCH. ISSN 0195-6671, 2019,

vol. 101, pp. 17-22., Registrované v: WOS

4. [1.1] LI, Jingxia - ZHAO, Xiangdong - GAO, Yunpeng - WANG, Bo - XIAO, Chuantao. Cockroach *Stavba jarzembowskii* sp. nov. (Blattaria: Liberiblattindae) from mid-Cretaceous Burmese amber. In *CRETACEOUS RESEARCH*. ISSN 0195-6671, 2020, vol. 115, no., pp. Dostupné na: <https://doi.org/10.1016/j.cretres.2020.104531>., Registrované v: WOS

5. [1.1] MLYNSKY, Tomas - WU, Hao - KOUBOVA, Ivana. Dominant Burmite cockroach *Jantaropterix ellenbergeri* sp.n. might laid isolated eggs together. In *PALAEONTOGRAPHICA ABTEILUNG A-PALAOZOOLOGIE-STRATIGRAPHIE*. ISSN 0375-0442, 2019, vol. 314, no. 1-3, pp. 69-79., Registrované v: WOS

6. [1.1] SMIDOVA, Lucia. Cryptic bark cockroach (Blattinae: Bubosa poinari gen. et sp. nov.) from mid-Cretaceous amber of northern Myanmar. In *CRETACEOUS RESEARCH*. ISSN 0195-6671, 2020, vol. 109, no., pp. Dostupné na: <https://doi.org/10.1016/j.cretres.2020.104383>., Registrované v: WOS

7. [3.1] HINKELMAN, J. Microorganism in the age of Dinosaurs. In *HERLANY 2020. XXIst International Conference of Young Geologists* Niedzica, Poland. Book of Abstracts. Kraków, Mineralpress, 2020, p. 32-33. ISBN 978-83-933330-2-8.

8. [3.1] CHEN, T. - XU, Ch.-P. - CHEN, L. A new cockroach (Insecta: Blattaria: Liberiblattinidae) from Mid-Cretaceous burmese amber. In *Acta Palaeontologica Sinica*, 2020, Vol. 59, N. 1, p. 64-69.

9. [3.1] ROSS, A. J. Supplement to the Burmese (Myanmar) amber checklist and bibliography, 2019. In *Palaeoentomology*, 2020, Vol. 3, N. 1, p. 103-118.

10. [4.1] KOUBOVÁ, I. - MLYNSKÝ, T. Two new mid-Cretaceous dictyopterans (Umenocoleidae: Vitisminae) from northern Myanmar exemplify taphonomic bias. In *Amba projekty*, 2020, Vol. 10, N. 1, p. 1-16.

ADCA1296 WAGNER, V. - KUGLER, a. - PACHR, M. - SUMBERA, M. - TARANENKO, A. - HLAVÁČ, Stanislav - LORENCZ, R. - WOHLGEMUTH, R. - SIMON, R.S. Detection of relativistic neutrons by BaF₂ scintillators. In *Nuclear Instruments and Methods in Physics Research A. Accelerators, Spectrometers, Detectors and Associated Equipment*, 1997, vol. 394, no. 3, p. 332-340. (1996: 1.038 - IF, Current Contents - CCC). (1997 - Current Contents, SCOPUS). ISSN 0168-9002. Dostupné na: [https://doi.org/10.1016/S0168-9002\(97\)00674-8](https://doi.org/10.1016/S0168-9002(97)00674-8)

Ohlasy:

1. [1.1] CUI, Xiaoyan - HU, Tingjing - WU, Huangyu - ZHANG, Junkai - YANG, Lihua - ZHONG, Xin - WU, Xiaoxin - WANG, Jingshu - LI, Xuefei - YANG, Jinghai - GAO, Chunxiao. Charge Carrier Transport Behavior and Dielectric Properties of BaF₂:Tb³⁺ Nanocrystals. In *NANOMATERIALS*, 2020, vol. 10, no. 1, 155., Registrované v: WOS

ADCA1297 WALLS, B. - LUBBEN, O. - PALOTÁS, Krisztián - FLEISCHER, K. - WALSHE, K. - SHVETS, I.V. Oxygen vacancy induced surface stabilization: (110) terminated magnetite. In *Physical Review B*, 2016, vol. 94, no. 16, art. no. 165424. (2015: 3.718 - IF, Q1 - JCR, 2.377 - SJR, Q1 - SJR, Current Contents - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.94.165424>

Ohlasy:

1. [1.1] HOU, Xueyao - WANG, Xiaocha - MI, Wenbo. Progress in Fe₃O₄-based multiferroic heterostructures. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2018, vol. 765, no., pp. 1127-1138., Registrované v: WOS
2. [1.1] LAHMER, M. A. First-principles study of the structural and electronic properties of the clean and O-deficient ZnAl₂O₄(111) surfaces. In SURFACE SCIENCE. ISSN 0039-6028, 2019, vol. 682, pp. 75-83., Registrované v: WOS
3. [1.1] MUELLNER, Matthias - RIVA, Michele - KRAUSHOFER, Florian - SCHMID, Michael - PARKINSON, Gareth S. - MERTENS, Stijn F. L. - DIEBOLD, Ulrike. Stability and Catalytic Performance of Reconstructed Fe₃O₄(001) and Fe₃O₄(110) Surfaces during Oxygen Evolution Reaction. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2019, vol. 123, no. 13, pp. 8304-8311., Registrované v: WOS
4. [1.1] ZHAN, Guangming - LI, Jie - HU, Yue - ZHAO, Shengxi - CAO, Shiyu - JIA, Falong - ZHANG, Lizhi. The surface hydroxyl and oxygen vacancy dependent Cr(vi) adsorption performance of BiOCl. In ENVIRONMENTAL SCIENCE-NANO. ISSN 2051-8153, 2020, vol. 7, no. 5, pp. 1454-1463., Registrované v: WOS

ADCA1298 WANG, Mengru* - LI, Bo* - ŠIFFALOVIČ, Peter - CHEN, Lung-Chien - CAO, Guozhong - TIAN, Jianjun**. Monolayer-like Hybrid Halide Perovskite Films Prepared by Additive Engineering without Antisolvents for Solar Cells. In *Journal of Materials Chemistry C*, 2018, vol. 6, no. 31, p. 15386-15394. (2017: 5.976 - IF, Q1 - JCR, 1.917 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 2050-7526. Dostupné na: <https://doi.org/10.1039/c8ta04794d>

Ohlasy:

1. [1.1] AMALATHAS, Amalraj Peter - LANDOVA, Lucie - HAJKOVA, Zdenka - HORAK, Lukas - LEDINSKY, Martin - HOLOVSKY, Jakub. Controlled Growth of Large Grains in CH₃NH₃PbI₃ Perovskite Films Mediated by an Intermediate Liquid Phase without an Antisolvent for Efficient Solar Cells. In ACS APPLIED ENERGY MATERIALS. ISSN 2574-0962, 2020, vol. 3, no. 12, pp. 12484-12493., Registrované v: WOS
2. [1.1] BING, J. - LEE, D. S. - CHO, Y. - ZHENG, J. - LI, Y. - TANG, S. - ZHANG, Meng - HUANG, S. - HO-BAILLIE, A. W. Y. Understanding how chlorine additive in a dynamic sequential process affects FA(0.3)MA(0.7)PbI(3) perovskite film growth for solar cell application. In MATERIALS TODAY ENERGY. ISSN 2468-6069, 2020, vol. 18, 100551., Registrované v: WOS
3. [1.1] CAI, Jinqiao - ALI, Muhammad Umair - LIU, Ming - ZHAO, Jiajun - MIAO, Jingsheng - DENG, Yonghong - YANG, Shihe - YAN, Chaoyi - XING, Guichuan - HE, Yaowu - MENG, Hong. Ionic-liquid induced enhanced performance of perovskite light-emitting diodes. In JOURNAL OF PHYSICS D-APPLIED PHYSICS. ISSN 0022-3727, 2020, vol. 53, no. 38, 384002., Registrované v: WOS
4. [1.1] DAI, Kejie - ZHAO, Xuan. Inverted Planar Perovskite Solar Cells Based on NiOx Nano Film with Enhanced Efficiency and Stability. In JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY. ISSN 1533-4880, 2020, vol. 20, no. 3, pp. 1892-1898., Registrované v: WOS

5. [1.1] GONG, Jue - LI, Xun - GUO, Peijun - ZHANG, Ian - HUANG, Wei - LU, Ke - CHENG, Yingwen - SCHALLER, Richard D. - MARKS, Tobin J. - XU, Tao. Energy-distinguishable bipolar UV photoelectron injection from LiCl-promoted FAPbCl(3) perovskite nanorods. In JOURNAL OF MATERIALS CHEMISTRY A. ISSN 2050-7488, 2019, vol. 7, no. 21, pp. 13043-13049., Registrované v: WOS
6. [1.1] LIU, Tie - LI, Ying - FENG, Shuang - YANG, Wenshu - XU, Ri - ZHANG, Xinxin - YANG, Haibin - FU, Wuyou. Incorporation of Nickel Ions to Enhance Integrity and Stability of Perovskite Crystal Lattice for High-Performance Planar Heterojunction Solar Cells. In ACS APPLIED MATERIALS & INTERFACES. ISSN 1944-8244, 2020, vol. 12, no. 1, pp. 904-913., Registrované v: WOS
7. [1.1] LIU, Xuping - WU, Jihuai - GUO, Qiyao - YANG, Yuqian - LUO, Hui - LIU, Quanzhen - WANG, Xiaobing - HE, Xin - HUANG, Miaoliang - LAN, Zhang. Pyrrole: an additive for improving the efficiency and stability of perovskite solar cells. In JOURNAL OF MATERIALS CHEMISTRY A. ISSN 2050-7488, 2019, vol. 7, no. 19, pp. 11764-11770., Registrované v: WOS
8. [1.1] LI, Bo - BINKS, David - CAO, Guozhong - TIAN, Jianjun. Engineering Halide Perovskite Crystals through Precursor Chemistry. In SMALL. ISSN 1613-6810, 2019, vol. 15, no. 47, 1903613., Registrované v: WOS
9. [1.1] PANT, Namrata - KULKARNI, Ashish - YANAGIDA, Masatoshi - SHIRAI, Yasuhiro - MIYASAKA, Tsutomu - MIYANO, Kenjiro. Investigating the Growth of CH₃NH₃PbI₃ Thin Films on RF-Sputtered NiO_x for Inverted Planar Perovskite Solar Cells: Effect of CH₃NH₃⁺ Halide Additives versus CH₃NH₃⁺ Halide Vapor Annealing. In ADVANCED MATERIALS INTERFACES. ISSN 2196-7350, 2020, vol. 7, no. 3, 1901748., Registrované v: WOS
10. [1.1] SHAHIDUZZAMAN, Md. - KULKARNI, Ashish - VISAL, Sem - WANG, LiangLe - NAKANO, Masahiro - KARAKAWA, Makoto - TAKAHASHI, Kohshin - UMEZU, Shinjiro - MASUDA, Atsushi - IWAMORI, Satoru - ISOMURA, Masao - MIYASAKA, Tsutomu - TOMITA, Koji - TAIMA, Tetsuya. A single-phase brookite TiO₂ nanoparticle bridge enhances the stability of perovskite solar cells. In SUSTAINABLE ENERGY & FUELS. ISSN 2398-4902, 2020, vol. 4, no. 4, pp. 2009-2017., Registrované v: WOS
11. [1.1] WANG, Gaoxiang - WANG, Lipeng - QIU, Jianhang - YAN, Zheng - TAI, Kaiping - YU, Wei - JIANG, Xin. Fabrication of efficient formamidinium perovskite solar cells under ambient air via intermediate-modulated crystallization. In SOLAR ENERGY. ISSN 0038-092X, 2019, vol. 187, pp. 147-155., Registrované v: WOS
12. [1.1] WANG, Helin - YANG, Fu - LI, Ning - KAMARUDIN, Muhammad Akmal - QU, Junle - SONG, Jun - HAYASE, Shuzi - BRABEC, Christoph J. Efficient Surface Passivation and Electron Transport Enable Low Temperature-Processed Inverted Perovskite Solar Cells with Efficiency over 20%. In ACS SUSTAINABLE CHEMISTRY & ENGINEERING. ISSN 2168-0485, 2020, vol. 8, no. 23, pp. 8848-8856., Registrované v: WOS
13. [1.1] WANG, Tun - DING, Dong - ZHENG, Hao - WANG, Xin - WANG, Jiayuan - LIU, Hong - SHEN, Wenzhong. Efficient Inverted Planar Perovskite Solar Cells Using Ultraviolet/Ozone-Treated NiO_x as the Hole Transport Layer. In SOLAR RRL. ISSN 2367-198X, 2019, vol. 3, no. 6,

1900045., Registrované v: WOS

14. [1.1] WU, Guohua - LI, Hua - CUI, Jian - ZHANG, Yaohong - OLTHOF, Selina - CHEN, Shuai - LIU, Zhike - WANG, Dapeng - LIU, Shengzhong (Frank). Solvent Engineering Using a Volatile Solid for Highly Efficient and Stable Perovskite Solar Cells. In *ADVANCED SCIENCE*, 2020, vol. 7, no. 10, 1903250., Registrované v: WOS

15. [1.1] YANG, Shaomin - ZHAO, Huan - HAN, Yu - DUAN, Chenyang - LIU, Zhike - LIU, Shengzhong (Frank). Europium and Acetate Co-doping Strategy for Developing Stable and Efficient CsPbI₂Br Perovskite Solar Cells. In *SMALL*. ISSN 1613-6810, 2019, vol. 15, no. 46, 1904387., Registrované v: WOS

16. [1.1] YE, Xiaoqin - LING, Hanbing - ZHANG, Rui - WEN, Zhiyue - HU, Shuaifeng - AKASAKA, Takeshi - XIA, Jiangbin - LU, Xing. Low-temperature solution-combustion-processed Zn-Doped Nb₂O₅ as an electron transport layer for efficient and stable perovskite solar cells. In *JOURNAL OF POWER SOURCES*. ISSN 0378-7753, 2020, vol. 448, 227419., Registrované v: WOS

17. [1.1] YUAN, Shihao - CAI, Yuan - YANG, Shaomin - ZHAO, Huan - QIAN, Fang - HAN, Yu - SUN, Jie - LIU, Zhike - LIU, Shengzhong (Frank). Simultaneous Cesium and Acetate Coalloying Improves Efficiency and Stability of FA(0.85)MA(0.15)PbI(3) Perovskite Solar Cell with an Efficiency of 21.95%. In *SOLAR RRL*. ISSN 2367-198X, 2019, vol. 3, no. 9, 1900220., Registrované v: WOS

18. [1.1] ZHUANG, Xueheng - ZHANG, Ying - ZHANG, Jing - CHEN, Yajiang - ZHU, Yuejin. The roles of acetylacetone additives in enhancing perovskite solar cell performance. In *MATERIALS RESEARCH EXPRESS*. ISSN 2053-1591, 2019, vol. 6, no. 2, 025512., Registrované v: WOS

ADCA1299 WATKINS, H. - JOSS, D.T. - GRAHN, T. - PAGE, R.D. - CARROLL, R.J. - DEWALD, A. - GREENLEES, P.T. - HACKSTEIN, M. - HERZBERG, R.-D. - JAKOBSSON, U. - JONES, P.M. - JULIN, R. - JUUTINEN, S. - KETELHUT, S. - KROLL, T. - KRUCKEN, R. - LABICHE, M. - LEINO, M. - LUMLEY, N. - MAIERBECK, P. - NYMAN, M. - NIEMINEN, P. - O' DONNELL, D. - OLLIER, J. - PAKARINEN, J. - PEURA, P. - PISSULLA, T. - RAHKILA, P. - REVILL, J.P. - ROTHER, W. - RUOTSALAINEN, P. - RIGBY, S.V. - SAREN, J. - SAPPLE, P.J. - SCHECK, M. - SCHOLEY, C. - SIMPSON, J. - SORRI, J. - UUSITALO, J. - VENHART, Martin. Lifetime measurements probing triple shape coexistence in ¹⁷⁵Au. In *Physical Review C*, 2011, vol. 84, no. 5, 051302. (2010: 3.416 - IF, 2.409 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.84.051302>

Ohlasy:

1. [1.1] BAGLIN, Coral M. - MCCUTCHAN, E. A. Nuclear Data Sheets for A=171. In *NUCLEAR DATA SHEETS*. ISSN 0090-3752, 2018, vol. 151, pp. 334-718., Registrované v: WOS

ADCA1300 WAX, J.F. - JOHNSON, M.R. - BOVE, L.E. - MIHALKOVIČ, Marek. Multiscale study of the influence of chemical order on the properties of liquid Li-Bi alloys. In *Physical Review B*, 2011, vol. 83, no. 14, 144203. (2010: 3.774 - IF, Q1 - JCR, 3.318 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents,

WOS, SCOPUS). ISSN 1550-235X. Dostupné na:
<https://doi.org/10.1103/PhysRevB.83.144203>

Ohlasy:

1. [1.1] DORINI, Thiago T. - ELENIO, Luiz T. F. Liquid Bi-Pb and Bi-Li alloys: Mining thermodynamic properties from ab-initio molecular dynamics calculations using thermodynamic models. In CALPHAD-COMPUTER COUPLING OF PHASE DIAGRAMS AND THERMOCHEMISTRY. ISSN 0364-5916, 2019, vol. 67, UNSP 101687., Registrované v: WOS
2. [1.1] NOWAK, B. - HOLLAND-MORITZ, D. - YANG, F. - VOIGTMANN, Th. - KORDEL, T. - HANSEN, T. C. - MEYER, A. Partial structure factors reveal atomic dynamics in metallic alloy melts. In PHYSICAL REVIEW MATERIALS. ISSN 2475-9953, 2017, vol. 1, no. 2, 025603., Registrované v: WOS

ADCA1301 WEIS, Martin Jr. - GMUCOVÁ, Katarína - NÁDAŽDY, Vojtech - MAJKOVÁ, Eva - HAŠKO, D. - TAGUCHI, D. - MANAKA, T. - IWAMOTO, M. Grain boundary effect on charge transport in pentacene thin films. In *Japanese Journal of Applied Physics*, 2011, vol. 50, no. 4, 04DK03. (2010: 1.024 - IF, Q3 - JCR, 0.560 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents). ISSN 0021-4922. Dostupné na: <https://doi.org/10.1143/JJAP.50.04DK03>

Ohlasy:

1. [1.1] BASHIR, Asif - HECK, Alexander - NARITA, Akimitsu - FENG, Xinliang - NEFEDOV, Alexei - ROHWERDER, Michael - MUELLEN, Klaus - ELSTNER, Marcus - WOELL, Christof. Charge carrier mobilities in organic semiconductors: crystal engineering and the importance of molecular contacts. In PHYSICAL CHEMISTRY CHEMICAL PHYSICS. ISSN 1463-9076, 2015, vol. 17, no. 34, pp. 21988-21996., Registrované v: WOS
2. [1.1] ODINOKOV, Alexey V. - BAGATURYANTS, Alexander A. Computer Simulation of Shallow Traps Created by Impurity Molecules in Anthracene Crystal. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2016, vol. 120, no. 44, pp. 25189-25195., Registrované v: WOS

ADCA1302 WEIS, Martin Jr. - LIN, J. - TAGUCHI, D. - MANAKA, T. - IWAMOTO, M. Insight into the contact resistance problem by direct probing of the potential drop in organic field-effect transistors. In *Applied Physics Letters*, 2010, vol. 97, no. 26, 263304. (2009: 3.554 - IF, 2.826 - SJR, Q1 - SJR, Current Contents - CCC). (2010 - Current Contents, SCOPUS). ISSN 0003-6951. Dostupné na: <https://doi.org/10.1063/1.3533020>

Ohlasy:

1. [1.1] KOBASHI, Kazuyoshi - HAYAKAWA, Ryoma - CHIKYOW, Toyohiro - WAKAYAMA, Yutaka. Device Geometry Engineering for Controlling Organic Antiamipolar Transistor Properties. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2018, vol. 122, no. 12, pp. 6943-6946., Registrované v: WOS
2. [1.1] WU, Han - SHEN, Siqi - LI, Jun - CHEN, Xiaohong - ZHANG, Zhejuan - OU-YANG, Wei. Boosted field emission properties and thickness effect of conductive polymers coated silicon carbide matrices for vacuum electronic devices. In VACUUM. ISSN 0042-207X, 2020, vol. 180, 109594., Registrované v: WOS

WIDOM, M. - MIHALKOVIČ, Marek. Stability of Fe-based alloys with structure type C6Cr23. In *Journal of Materials Research*, 2005, vol. 20, no. 1, p. 237-242. ISSN 0884-2914. Dostupné na: <https://doi.org/10.1557/JMR.2005.0028>

Ohlasy:

1. [1.1] DESHMUKH, Akash A. - KHOND, Anuj A. - BHATT, Jatin G. - PALIKUNDWAR, Umesh A. Understanding the role of Er on glass-forming ability parameters and critical cooling rate in Fe-based multicomponent bulk metallic glasses. In *JOURNAL OF ALLOYS AND COMPOUNDS*. ISSN 0925-8388, 2020, vol. 819, 152938., Registrované v: WOS
2. [1.1] FANG, C. M. - VAN HUIS, M. A. - SLUITER, M. H. F. Formation, structure and magnetism of the gamma-(Fe,M)(23)C-6 (M = Cr, Ni) phases: A first-principles study. In *ACTA MATERIALIA*. ISSN 1359-6454, 2016, vol. 103, no., pp. 273-279., Registrované v: WOS
3. [1.1] HOU, T. P. - LI, Y. - WU, K. M. - PEET, M. J. - HULME-SMITH, C. N. - GUO, L. Magnetic-field-induced magnetism and thermal stability of carbides Fe_{6-x}Mo_xC in molybdenum-containing steels. In *ACTA MATERIALIA*. ISSN 1359-6454, 2016, vol. 102, no., pp. 24-31., Registrované v: WOS
4. [1.1] HOU, T. P. - PEET, M. J. - HULME-SMITH, C. N. - WU, K. M. - LI, Y. - GUO, L. The determining role of magnetic field in iron and alloy carbide precipitation behaviors under the external field. In *SCRIPTA MATERIALIA*. ISSN 1359-6462, 2016, vol. 120, no., pp. 76-79., Registrované v: WOS
5. [1.1] KIM, Min-Su - KANG, Youn-Bae. Thermodynamic Modeling of the Fe-Mn-C and the Fe-Mn-Al Systems Using the Modified Quasichemical Model for Liquid Phase. In *JOURNAL OF PHASE EQUILIBRIA AND DIFFUSION*. ISSN 1547-7037, 2015, vol. 36, no. 5, pp. 453., Registrované v: WOS
6. [1.1] LI, H. X. - LU, Z. C. - WANG, S. L. - WU, Y. - LU, Z. P. Fe-based bulk metallic glasses: Glass formation, fabrication, properties and applications. In *PROGRESS IN MATERIALS SCIENCE*. ISSN 0079-6425, 2019, vol. 103, pp. 235-318., Registrované v: WOS
7. [1.1] SI, Jiajia - DU, Chenxi - WANG, Tan - WU, Yidong - WANG, Rongshan - HUI, Xidong. Glass formation and soft magnetic properties of novel Fe-rich Fe-B-Ti-Zr bulk metallic glasses. In *JOURNAL OF ALLOYS AND COMPOUNDS*. ISSN 0925-8388, 2018, vol. 741, pp. 542-548., Registrované v: WOS
8. [1.1] SUETIN, D. V. - MEDVEDEVA, N. I. Structural, electronic and magnetic properties of eta-carbides M₃W₃C (M = Ti, V, Cr, Mn, Fe, Co, Ni). In *JOURNAL OF ALLOYS AND COMPOUNDS*. ISSN 0925-8388, 2016, vol. 681, pp. 508-515., Registrované v: WOS
9. [1.1] YI, Yijie - XU, Weiwei - XIA, Fangfang - GANG, Tieqiang - CHEN, Lijie. Effects of Alloying Elements M (M = Fe, Mo) on Phase Stability of Cr₂₃C₆ Carbides from First-principles. In *PROCEEDINGS OF THE 2017 2ND INTERNATIONAL CONFERENCE ON ADVANCES IN MATERIALS, MECHATRONICS AND CIVIL ENGINEERING (ICAMMCE 2017)*. ISSN 2352-5401, 2017, vol. 121, pp. 74-80., Registrované v: WOS
10. [1.1] YU, Q. - WANG, X. D. - LOU, H. B. - CAO, Q. P. - JIANG, J.

Z. Atomic packing in Fe-based metallic glasses. In ACTA MATERIALIA. ISSN 1359-6454, 2016, vol. 102, no., pp. 116-124., Registrované v: WOS

ADCA1304 WIDOM, M. - MIHALKOVIČ, Marek. Symmetry-broken crystal structure of elemental boron at low temperature. In *Physical Review B*, 2008, vol. 77, no. 6, 064113. (2007: 3.172 - IF, Q1 - JCR, 2.892 - SJR, Q1 - SJR, Current Contents - CCC). (2008 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.77.064113>

Ohlasy:

1. [1.1] AN, Qi - MOROZOV, Sergey I. Brittle failure of beta- and tau-boron: Amorphization under high pressure. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2017, vol. 95, no. 6, 064108., Registrované v: WOS
2. [1.1] CUI, Zhi-Hao - WU, Feng - JIANG, Hong. First-principles study of relative stability of rutile and anatase TiO₂ using the random phase approximation. In *PHYSICAL CHEMISTRY CHEMICAL PHYSICS*. ISSN 1463-9076, 2016, vol. 18, no. 43, pp. 29914-29922., Registrované v: WOS
3. [1.1] DERINGER, Volker L. - PICKARD, Chris J. - CSANYI, Gabor. Data-Driven Learning of Total and Local Energies in Elemental Boron. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2018, vol. 120, no. 15, 156001., Registrované v: WOS
4. [1.1] EISELE, Claudio - HUEBSCHLE, Christian B. - MONDAL, Swastik - DEY, Somnath - VAN SMAALEN, Sander - PAULMANN, Carsten. Boranes: The Boron Subhydride B₁₀4.67H₃ with a Distorted beta-Boron Crystal Structure. In *INORGANIC CHEMISTRY*. ISSN 0020-1669, 2020, vol. 59, no. 18, pp. 13295-13300., Registrované v: WOS
5. [1.1] GROCHALA, Wojciech. The generalized maximum hardness principle revisited and applied to solids (Part 2). In *PHYSICAL CHEMISTRY CHEMICAL PHYSICS*. ISSN 1463-9076, 2017, vol. 19, no. 46, pp. 30984-31006., Registrované v: WOS
6. [1.1] HAYAMI, Wataru. Structural stability and electronic properties of beta-tetragonal boron: A first-principles study. In *JOURNAL OF SOLID STATE CHEMISTRY*. ISSN 0022-4596, 2015, vol. 221, pp. 378., Registrované v: WOS
7. [1.1] HUANG, Si-Da - SHANG, Cheng - KANG, Pei-Lin - LIU, Zhi-Pan. Atomic structure of boron resolved using machine learning and global sampling. In *CHEMICAL SCIENCE*. ISSN 2041-6520, 2018, vol. 9, no. 46, pp. 8644-8655., Registrované v: WOS
8. [1.1] JAY, Antoine - DUPARC, Olivier Hardouin - SJAKSTE, Jelena - VAST, Nathalie. Theoretical phase diagram of boron carbide from ambient to high pressure and temperature. In *JOURNAL OF APPLIED PHYSICS*. ISSN 0021-8979, 2019, vol. 125, no. 18, 185902., Registrované v: WOS
9. [1.1] KARMODAK, Naiwrit - JEMMIS, Eluvathingal D. Fragment approach to the electronic structure of tauboron allotrope. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2017, vol. 95, no. 16, 165128., Registrované v: WOS
10. [1.1] KIM, Chang-Eun - RAY, Keith G. - BAHR, David F. - LORDI, Vincenzo. Electronic structure and surface properties of MgB₂(0001) upon oxygen adsorption. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2018, vol. 97, no. 19, 195416., Registrované v: WOS
11. [1.1] LECH, Andrew T. - TURNER, Christopher L. -

- MOHAMMADI, Reza - TOLBERT, Sarah H. - KANER, Richard B. Structure of superhard tungsten tetraboride: A missing link between MB2 and MB12 higher borides. In PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA. ISSN 0027-8424, 2015, vol. 112, no. 11, pp. 3223., Registrované v: WOS
12. [1.1] PODRYABINKIN, Evgeny - TIKHONOV, Evgeny - SHAPEEV, Alexander - OGANOV, Artem R. Accelerating crystal structure prediction by machine-learning interatomic potentials with active learning. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 99, no. 6, 064114., Registrované v: WOS
13. [1.1] SAHARA, Ryoji - MATSUNAGA, Tetsuya - HONGO, Hiromichi - TABUCHI, Masaaki. Theoretical Investigation of Stabilizing Mechanism by Boron in Body-Centered Cubic Iron Through (Fe,Cr)(23)(C,B)(6) Precipitates. In METALLURGICAL AND MATERIALS TRANSACTIONS A-PHYSICAL METALLURGY AND MATERIALS SCIENCE. ISSN 1073-5623, 2016, vol. 47A, no. 5, pp. 2487-2497., Registrované v: WOS
14. [1.1] SHIRAI, Koun. Phase diagram of boron crystals. In JAPANESE JOURNAL OF APPLIED PHYSICS. ISSN 0021-4922, 2017, vol. 56, no. 5, 05FA06., Registrované v: WOS
15. [1.1] SUN, Zu-xin - WU, Yu-ying - HAN, Xiao-xiao - ZHANG, Guo-jun - LIU, Xiang-fa. Growth mechanisms of alpha-boron and beta-boron in a copper melt at ambient pressure and its stabilities. In CRYSTENGCOMM. ISSN 1466-8033, 2017, vol. 19, no. 28, pp. 3947-3954., Registrované v: WOS
16. [1.1] UEMURA, Naoki - SHIRAI, Koun - ECKERT, Hagen - KUNSTMANN, Jens. Structure, nonstoichiometry, and geometrical frustration of alpha-tetragonal boron. In PHYSICAL REVIEW B. ISSN 2469-9950, 2016, vol. 93, no. 10, 104101., Registrované v: WOS
17. [1.1] WHITE, Mary Anne - CERQUEIRA, Anthony B. - WHITMAN, Catherine A. - JOHNSON, Michel B. - OGITSU, Tadashi. Determination of Phase Stability of Elemental Boron. In ANGEWANDTE CHEMIE-INTERNATIONAL EDITION. ISSN 1433-7851, 2015, vol. 54, no. 12, pp. 3626., Registrované v: WOS
18. [1.1] ZHU, Zhen - KWON, Dae-Gyeon - KWON, Young-Kyun - TOMANEK, David. Enhancing mechanical toughness of aluminum surfaces by nano-boron implantation: An ab initio study. In CHEMICAL PHYSICS LETTERS. ISSN 0009-2614, 2015, vol. 620, pp. 25-28., Registrované v: WOS

ADCA1305 WILSON GORDON, A.D. - BUŽEK, Vladimír - KNIGHT, P.L. Statistical and phase properties of displaced kerr states. In *Physical Review A*, 1991, vol. 44, no. 11, p. 7647-7656. ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.44.7647>

Ohlasy:

1. [1.1] ABDEL-KHALEK, S. - AL-RAJHI, M. A. - BERRADA, K. Entanglement and Statistical Properties of a System Consisting of Three-Level Atom Interacting with a Nonlinear Kerr Medium Field. In ACTA PHYSICA POLONICA A. ISSN 0587-4246, 2016, vol. 129, no. 6, pp. 1083-1088., Registrované v: WOS
2. [1.1] AL-RAJHI, M. A. Photon added coherent states for nonharmonic oscillators in a nonlinear Kerr medium. In MODERN PHYSICS LETTERS B. ISSN 0217-9849, 2015, vol. 29, no. 10, 1550035., Registrované v:

WOS

3. [1.1] AL-RAJHI, M. A. - ABDEL-KHALEK, S. Generalized Heisenberg Algebra Coherent States for Nonharmonic Oscillators. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2015, vol. 54, no. 5, pp. 1470., Registrované v: WOS
4. [1.1] ATETO, M. S. Qubit-qubit entanglement dynamics control via external classical pumping and Kerr nonlinearity mediated by a single detuned cavity field powered by two-photon processes. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2017, vol. 16, no. 11, UNSP 267., Registrované v: WOS
5. [1.1] BALYBIN, S. N. - KHALILI, F. Ya - STREKALOV, D. - MATSKO, A. B. - BILENKO, I. A. On Perspectives of Generating Quasi-Fock State via Resonant Self-Phase-Modulation. In QUANTUM AND NONLINEAR OPTICS VII. ISSN 0277-786X, 2020, vol. 11558, 115580A., Registrované v: WOS
6. [1.1] BOUTIN, Samuel - TOYLI, David M. - VENKATRAMANI, Aditya V. - EDDINS, Andrew W. - SIDDIQI, Irfan - BLAIS, Alexandre. Effect of Higher-Order Nonlinearities on Amplification and Squeezing in Josephson Parametric Amplifiers. In PHYSICAL REVIEW APPLIED. ISSN 2331-7019, 2017, vol. 8, no. 5, 054030., Registrované v: WOS
7. [1.1] CHATTERJEE, Arpita - GHOSH, Rupamanjari. Nonlinear displaced Kerr state and its nonclassical properties. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS. ISSN 0740-3224, 2016, vol. 33, no. 7., Registrované v: WOS
8. [1.1] KALAGA, J. K. - KOWALEWSKA-KUDLASZYK, A. - JAROSIK, M. W. - SZCZESNIAK, R. - LEONSKI, W. Enhancement of the entanglement generation via randomly perturbed series of external pulses in a nonlinear Bose-Hubbard dimer. In NONLINEAR DYNAMICS. ISSN 0924-090X, 2019, vol. 97, no. 2, pp. 1619-1633., Registrované v: WOS
9. [1.1] KALAGA, J. K. - KOWALEWSKA-KUDLASZYK, A. Frequency variations in impulse excitations as a way of entanglement increase in the two-mode Bose-Hubbard model. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS. ISSN 0740-3224, 2019, vol. 36, no. 8, pp. 2140-2146., Registrované v: WOS
10. [1.1] MACCONE, Lorenzo - RICCARDI, Alberto. Squeezing Metrology: a unified framework. In QUANTUM. ISSN 2521-327X, 2020, vol. 4., Registrované v: WOS
11. [1.1] VAMEGH, S. A. L. Modares - TAVASSOLY, M. K. NONCLASSICALITY OF NEW CLASS OF STATES PRODUCED BY SUPERPOSITION OF TWO NONLINEAR SQUEEZED STATES WITH RESPECTIVE PHASE ϕ . In REPORTS ON MATHEMATICAL PHYSICS. ISSN 0034-4877, 2015, vol. 75, no. 2, pp. 149., Registrované v: WOS
12. [1.1] VINTSKEVICH, S. V. - GRIGORIEV, D. A. - FILIPPOV, S. N. Effect of an incoherent pump on two-mode entanglement in optical parametric generation. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 5, 053811., Registrované v: WOS
13. [1.1] WEI, Chao-Ping - ZHANG, Zhi-Ming. Improving the phase sensitivity of a Mach-Zehnder interferometer via a nonlinear phase shifter. In JOURNAL OF MODERN OPTICS. ISSN 0950-0340, 2017, vol. 64, no. 7, pp. 743-749., Registrované v: WOS

14. [1.1] ZHANG, Yang - ZHANG, Jun - WU, Shao-xiong - YU, Chang-shui. The effect of center-of-mass motion on photon statistics. In ANNALS OF PHYSICS. ISSN 0003-4916, 2015, vol. 361, pp. 563., Registrované v: WOS
15. [1.1] ZHANG, Yang - ZHANG, Jun - WU, Shao-Xiong - YU, Chang-Shui. The multistability in the coupled semiconductor microcavities. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION. ISSN 0219-7499, 2015, vol. 13, no. 7, 1550053., Registrované v: WOS

ADCA1306 WINDISCH, M. - KRAJČÍ, Marián - HAFNER, J. Electronic-structure in icosahedral alculi quasi-crystals nad approximant crystals. In *Journal of Physics: Condensed Matter*, 1994, vol. 6, no. 35, p. 6977-6995. (1993: 1.654 - IF, Current Contents - CCC). (1994 - Current Contents). ISSN 0953-8984.

Ohlasy:

1. [1.1] PHAM, Joyce - KREYSSIG, Andreas - GOLDMAN, Alan I. - MILLER, Gordon J. An Icosahedral Quasicrystal and Its 1/0 Crystalline Approximant in the Ca-Au-Al System. In INORGANIC CHEMISTRY. ISSN 0020-1669, 2016, vol. 55, no. 20, pp. 10425-10437., Registrované v: WOS

ADCA1307 WOCJAN, P. - CHIANG, Chen-Fu - ABEYESINGHE, A. - NAGAJ, Daniel. Quantum algorithm for approximating partition functions. In *Physical Review A*, 2009, vol. 80, no. 2, 022340. ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.80.022340>

Ohlasy:

1. [1.1] CILIBERTO, Carlo - HERBSTER, Mark - IALONGO, Alessandro Davide - PONTIL, Massimiliano - ROCCHETTO, Andrea - SEVERINI, Simone - WOSSNIG, Leonard. Quantum machine learning: a classical perspective. In PROCEEDINGS OF THE ROYAL SOCIETY A-MATHEMATICAL PHYSICAL AND ENGINEERING SCIENCES. ISSN 1364-5021, 2018, vol. 474, no. 2209, 20170551., Registrované v: WOS
2. [1.1] CUI, Jingyi - GUO, Jiansheng - XU, Linhong - LI, Mingming. Quantum algorithms for learning Walsh spectra of multi-output Boolean functions. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2019, vol. 18, no. 6, 180., Registrované v: WOS
3. [1.1] GYONGYOSI, Laszlo - IMRE, Sandor. A Survey on quantum computing technology. In COMPUTER SCIENCE REVIEW. ISSN 1574-0137, 2019, vol. 31, pp. 51-71., Registrované v: WOS
4. [1.1] JOSEPH, Ilon. Koopman-von Neumann approach to quantum simulation of nonlinear classical dynamics. In PHYSICAL REVIEW RESEARCH, 2020, vol. 2, no. 4, 043102., Registrované v: WOS
5. [1.1] MONTANARO, Ashley. Quantum speedup of Monte Carlo methods. In PROCEEDINGS OF THE ROYAL SOCIETY A-MATHEMATICAL PHYSICAL AND ENGINEERING SCIENCES. ISSN 1364-5021, 2015, vol. 471, no. 2181, 20150301., Registrované v: WOS
6. [1.1] ORSUCCI, Davide - BRIEGEL, Hans J. - DUNJKO, Vedran. Faster quantum mixing for slowly evolving sequences of Markov chains. In QUANTUM. ISSN 2521-327X, 2018, vol. 2., Registrované v: WOS
7. [1.1] REBENTROST, Patrick - GUPT, Brajesh - BROMLEY, Thomas R. Quantum computational finance: Monte Carlo pricing of financial derivatives. In PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 98, no. 2,

022321., Registrované v: WOS

8. [1.1] WITTEK, Peter - GOGOLIN, Christian. Quantum Enhanced Inference in Markov Logic Networks. In *SCIENTIFIC REPORTS*. ISSN 2045-2322, 2017, vol. 7, 45672., Registrované v: WOS

ADCA1308 WÓJCIK, Marek - JEĐRYKA, Eva - ŠKORVÁNEK, Ivan - MARCIN, Jozef - ŠVEC, Peter. ⁵⁹Co NMR Study of Nanocrystallization Process in Co – Rich HITPERM (Fe_{0.25}Co_{0.75})₈₁Nb₇B₁₂ alloy. In *Journal of Magnetism and Magnetic Materials*, 2006, vol. 304, no. 2, p. e712e-e714. (2005: 0.985 - IF, Q2 - JCR, 0.699 - SJR, Q2 - SJR, Current Contents - CCC). (2006 - Current Contents, WOS, SCOPUS). ISSN 0304-8853. Dostupné na: <https://doi.org/10.1016/j.jmmm.2006.02.199>

Ohlasy:

1. [1.1] KOHOUT, Jaroslav - KRISTAN, Petr - KUBANIOVA, Denisa - KMJEC, Tomas - ZAVETA, Karel - STEPANKOVA, Helena - LANCOK, Adriana - SKLENKA, L'ubomir - MATUS, Peter - MIGLIERINI, Marcel Bruno. Low temperature behavior of hyperfine fields in amorphous and nanocrystalline FeMoCuB. In *JOURNAL OF APPLIED PHYSICS*. ISSN 0021-8979, 2015, vol. 117, no. 17, art. no. 17B718., Registrované v: WOS

ADCA1309 WUNSCH, A. - BUŽEK, Vladimír. Reconstruction of quantum states from propensities. In *Quantum and Semiclassical Optics*, 1997, vol. 9, no. 4, p. 631-653. ISSN 1355-5111.

Ohlasy:

1. [1.1] ANIELLO, Paolo. A class of stochastic products on the convex set of quantum states. In *JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL*. ISSN 1751-8113, 2019, vol. 52, no. 30, 305302., Registrované v: WOS

2. [1.1] LUEF, Franz - SKRETTINGLAND, Eirik. Convolutions for Berezin quantization and Berezin-Lieb inequalities. In *JOURNAL OF MATHEMATICAL PHYSICS*. ISSN 0022-2488, 2018, vol. 59, no. 2., Registrované v: WOS

3. [1.1] MEGIER, Nina - STRUNZ, Walter T. - VIVIESCAS, Carlos - LUOMA, Kimmo. Parametrization and Optimization of Gaussian Non-Markovian Unravelings for Open Quantum Dynamics. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2018, vol. 120, no. 15., Registrované v: WOS

ADCA1310 YADAV, S.** - KUŘITKA, Ivo - HAVLICA, Jaromír - HNATKO, Miroslav - CIGÁŇ, Alexander - MASILKO, J. - KALINA, L. - HAJDÚCHOVÁ, M. - RUSNÁK, Jaroslav - ENEV, V. Structural, magnetic, elastic, dielectric and electrical properties of hot-press sintered Co_{1-x}Zn_xFe₂O₄ (x=0.0, 0.5) spinel ferrite nanoparticles. In *Journal of Magnetism and Magnetic Materials*, 2018, vol. 447, p. 48-57. (2017: 3.046 - IF, Q2 - JCR, 0.786 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 0304-8853. Dostupné na: <https://doi.org/10.1016/j.jmmm.2017.09.033>

Ohlasy:

1. [1.1] AL-BASSAMI, N. S. - MANSOUR, S. F. - ABDO, M. A. The Magneto-mechanical Properties of Cobalt Substituted Mg-Zn Nanoferrites. In *JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM*. ISSN

- 1557-1939, 2020, vol. 33, no. 10, pp. 3077-3086., Registrované v: WOS
2. [1.1] ATI, Ali A. Fast synthesis, structural, morphology with enhanced magnetic properties of cobalt doped nickel ferrite nanoscale. In JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS. ISSN 0957-4522, 2018, vol. 29, no. 14, pp. 12010-12021., Registrované v: WOS
3. [1.1] BASFER, N. M. - MANSOUR, S. F. - AL-HAZMI, Faten. Tailored dielectric, optical properties and photocatalytic performance of Mg-Zn nanoferrites by Cu(2+)substitution. In JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS. ISSN 0957-4522, 2020, vol. 31, no. 19, pp. 16160-16177., Registrované v: WOS
4. [1.1] BASFER, N. M. - MANSOUR, S. F. - AL-HAZMI, Faten. The influence of Cu(2+)substitution on theoretical and experimental magneto-mechanical properties of Mg-Zn nanoferrites. In JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS. ISSN 0957-4522, 2020, vol. 31, no. 13, pp. 10889-10902., Registrované v: WOS
5. [1.1] HAN, Li-an - ZHAI, Wan-lin - BAI, Bing - ZHU, Hua-ze - YANG, Jing - YAN, Zheng-xin - ZHANG, Tao. Critical behavior in Ni_{0.15}Cu_{0.15}Zn_{0.7}Fe₂O₄ spinel ferrite. In CERAMICS INTERNATIONAL. ISSN 0272-8842, 2019, vol. 45, no. 11, pp. 14322-14326., Registrované v: WOS
6. [1.1] KADAM, R. H. - BORADE, R. B. - MANE, M. L. - MANE, D. R. - BATOO, K. M. - SHIRSATH, Sagar E. Structural, mechanical, dielectric properties and magnetic interactions in Dy³⁺-substituted Co-Cu-Zn nanoferrites. In RSC ADVANCES, 2020, vol. 10, no. 47, pp. 27911-27922., Registrované v: WOS
7. [1.1] KAYKAN, Larysa - SIJO, A. K. - ZYWCZAK, Antoni - MAZURENKO, Julia - BANDURA, Khrystyna. Tailoring of structural and magnetic properties of nanosized lithium ferrites synthesized by sol-gel self-combustion method. In APPLIED NANOSCIENCE. ISSN 2190-5509, 2020, vol. 10, no. 12, pp. 4577-4583., Registrované v: WOS
8. [1.1] KIRANKUMAR, Venkat Savunthari - SUMATHI, Shanmugam. Copper and cerium co-doped cobalt ferrite nanoparticles: structural, morphological, optical, magnetic, and photocatalytic properties. In ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH. ISSN 0944-1344, 2019, vol. 26, no. 19, pp. 19189-19206., Registrované v: WOS
9. [1.1] KORKMAZ, A. D. - GUENER, S. - SLIMANI, Y. - GUNGUNES, H. - AMIR, Md. - MANIKANDAN, A. - BAYKAL, A. Microstructural, Optical, and Magnetic Properties of Vanadium-Substituted Nickel Spinel Nanoferrites. In JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM. ISSN 1557-1939, 2019, vol. 32, no. 4, pp. 1057-1065., Registrované v: WOS
10. [1.1] LAKSHMANAN, A. - SURENDRAN, P. - PRIYA, S. Sakthy - BALAKRISHNAN, K. - GEETHA, P. - RAMESHKUMAR, P. - HEGDE, Tejaswi Ashok - VINITHA, G. - KANNAN, Karthik. Investigations on structural, optical, dielectric, electronic polarizability, Z-scan and antibacterial properties of Ni/Zn/Fe₂O₄ nanoparticles fabricated by microwave-assisted combustion method. In JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY. ISSN 1010-6030, 2020, vol. 402, pp. 112794., Registrované v: WOS
11. [1.1] LAKSHMANAN, A. - SURENDRAN, P. - SAKTHYPRIYA, S. - BALAKRISHNAN, K. - HEGDE, Tejaswi Ashok - VINITHA, G. -

- RAMALINGAM, G. - RAVINDRAN, B. - CHANG, S. W. - ELSHIKH, M. S. - MAHMOUD, A. H. - AL FARRAJ, D. A. - RAMESHKUMAR, P. Effect of fuel content on nonlinear optical and antibacterial activities of Zn/Cu/Al₂O₄ nanoparticles prepared by microwave-assisted combustion method. In JOURNAL OF KING SAUD UNIVERSITY SCIENCE. ISSN 1018-3647, 2020, vol. 32, no. 2, pp. 1382-1389., Registrované v: WOS
12. [1.1] LAL, Ganesh - PUNIA, Khushboo - DOLIA, Satya Narain - ALVI, Parvez A. - CHOUDHARY, Banwari L. - KUMAR, Sudhish. Structural, cation distribution, optical and magnetic properties of quaternary Co_{0.4+x}Zn_{0.6-x}Fe₂O₄ (x=0.0, 0.1 and 0.2) and Li doped quinary Co_{0.4+x}Zn_{0.5-x}Li_{0.1}Fe₂O₄ (x=0.0, 0.05 and 0.1) nanoferrites. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2020, vol. 828, 154388., Registrované v: WOS
13. [1.1] MAKSOUD, M. I. A. Abdel - EL-SAYYAD, Gharieb S. - ABD EL-KODOUS, M. - AWED, A. S. Controllable synthesis of Co_{1-x}M_xFe₂O₄ nanoparticles (M = Zn, Cu, and Mn; x=0.0 and 0.5) by cost-effective sol-gel approach: analysis of structure, elastic, thermal, and magnetic properties. In JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS. ISSN 0957-4522, 2020, vol. 31, no. 12, pp. 9726-9741., Registrované v: WOS
14. [1.1] MAKSOUD, M. I. A. Abdel - EL-SAYYAD, Gharieb S. - ABOKHADRA, A. - SOLIMAN, L. - EL-BAHNASAWY, H. H. - ASHOUR, A. H. Influence of Mg²⁺ substitution on structural, optical, magnetic, and antimicrobial properties of Mn-Zn ferrite nanoparticles. In JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS. ISSN 0957-4522, 2020, vol. 31, no. 3, pp. 2598-2616., Registrované v: WOS
15. [1.1] MAKSOUD, M. I. A. Abdel - ELGARAHY, Ahmed M. - FARRELL, Charlie - AL-MUHTASEB, Ala'a H. - ROONEY, David W. - OSMAN, Ahmed I. Insight on water remediation application using magnetic nanomaterials and biosorbents. In COORDINATION CHEMISTRY REVIEWS. ISSN 0010-8545, 2020, vol. 403, 213096., Registrované v: WOS
16. [1.1] MANSOUR, S. F. - AL-HAZMI, Faten - ABDO, M. A. Relaxation time enhancement of cobalt zinc nanoferrites via Cr³⁺ doping. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2019, vol. 792, pp. 626-637., Registrované v: WOS
17. [1.1] MANSOUR, S. F. - DAWOOD, Ali - ABDO, M. A. Enhanced magnetic and dielectric properties of doped Co-Zn ferrite nanoparticles by virtue of Cr³⁺ role. In JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS. ISSN 0957-4522, 2019, vol. 30, no. 18, pp. 17262-17275., Registrované v: WOS
18. [1.1] MOHAMED, W. S. - ABU-DIEF, Ahmed M. Impact of rare earth europium (RE-Eu³⁺) ions substitution on microstructural, optical and magnetic properties of CoFe_{2-x}Eu_xO₄ nanosystems. In CERAMICS INTERNATIONAL. ISSN 0272-8842, 2020, vol. 46, no. 10, pp. 16196-16209., Registrované v: WOS
19. [1.1] MOHAMED, W. S. - ALZAID, Meshal - ABDELBAKY, Mohammed S. M. - AMGHOUS, Zakariae - GARCIA-GRANDA, Santiago - ABU-DIEF, Ahmed M. Impact of Co²⁺ Substitution on Microstructure and Magnetic Properties of Co_xZn_{1-x}Fe₂O₄ Nanoparticles. In NANOMATERIALS, 2019, vol. 9, no. 11, 1602., Registrované v: WOS
20. [1.1] MSOMI, J. Z. - MASUKU, S. J. - NHLAPO, T. A. - MOYO, T.

- STRYDOM, A. M. - BRITZ, D. - JILI, T. P. Superparamagnetic Behavior of Zn and Al Substituted Cobalt Nanoferrites. In JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM. ISSN 1557-1939, 2019, vol. 32, no. 9, pp. 2793-2797., Registrované v: WOS
21. [1.1] NASRIN, Sharifa - KHAN, Subrin Mostafa - MATIN, M. A. - KHAN, M. N. I. - HOSSAIN, A. K. M. Akther - RAHAMAN, Md. D. Synthesis and deciphering the effects of sintering temperature on structural, elastic, dielectric, electric and magnetic properties of magnetic $\text{Ni}_{0.25}\text{Cu}_{0.13}\text{Zn}_{0.62}\text{Fe}_2\text{O}_4$ ceramics. In JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS. ISSN 0957-4522, 2019, vol. 30, no. 11, pp. 10722-10741., Registrované v: WOS
22. [1.1] PHAM HOAI LINH - NGUYEN THI NGOC ANH - PHAM HONG NAM - TA NGOC BACH - VU DINH LAM - DO HUNG MANH. A Facile Ultrasound Assisted Synthesis of Dextran-Stabilized $\text{Co}_{0.2}\text{Fe}_{0.8}\text{Fe}_2\text{O}_4$ Nanoparticles for Hyperthermia Application. In IEEE TRANSACTIONS ON MAGNETICS. ISSN 0018-9464, 2018, vol. 54, no. 6., Registrované v: WOS
23. [1.1] SAGAYARAJ, R. - ARAVAZHI, S. - CHANDRASEKARAN, G. Effect of Zinc Content on Structural, Functional, Morphological, Resonance, Thermal and Magnetic Properties of $\text{Co}_{1-x}\text{Zn}_x\text{Fe}_2\text{O}_4/\text{PVP}$ Nanocomposites. In JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS. ISSN 1574-1443, 2019, vol. 29, no. 6, pp. 2252-2261., Registrované v: WOS
24. [1.1] SARALA, E. - NAIK, M. Madhukara - VINUTH, M. - REDDY, Y. V. Rami - SUJATHA, H. R. Green synthesis of Lawsonia inermis-mediated zinc ferrite nanoparticles for magnetic studies and anticancer activity against breast cancer (MCF-7) cell lines. In JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS. ISSN 0957-4522, 2020, vol. 31, no. 11, pp. 8589-8596., Registrované v: WOS
25. [1.1] SARKAR, K. - MONDAL, R. - DEY, S. - MAJURNDER, S. - KUMAR, S. Presence of mixed magnetic phase in mechanically milled nanosized $\text{Co}_{0.5}\text{Zn}_{0.5}\text{Fe}_2\text{O}_4$: A study on structural, magnetic and hyperfine properties. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2019, vol. 487, UNSP 165303., Registrované v: WOS
26. [1.1] SAVUNTHARI, Kirankumar Venkat - SHANMUGAM, Sumathi. Effect of co-doping of bismuth, copper and cerium in zinc ferrite on the photocatalytic degradation of bisphenol A. In JOURNAL OF THE TAIWAN INSTITUTE OF CHEMICAL ENGINEERS. ISSN 1876-1070, 2019, vol. 101, pp. 105-118., Registrované v: WOS
27. [1.1] SHAKIL, M. - INAYAT, Usama - ARSHAD, M. - NABI, Ghulam - KHALID, N. R. - TARIQ, N. H. - SHAH, A. - IQBAL, M. Z. Influence of zinc and cadmium co-doping on optical and magnetic properties of cobalt ferrites. In CERAMICS INTERNATIONAL. ISSN 0272-8842, 2020, vol. 46, no. 6, pp. 7767-7773., Registrované v: WOS
28. [1.1] SHAMIM, Md Kashif - SHARMA, Seema - CHOUDHARY, R. J. Structure, electrical and magnetic properties of $\text{Co}_{0.8}\text{Zn}_{0.2}\text{Fe}_2\text{O}_4/(\text{K}_{0.47}\text{Na}_{0.47}\text{Li}_{0.6})\text{NbO}_3$ bilayered thin films grown by pulsed laser deposition. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2019, vol. 126, no. 13, 134104., Registrované v: WOS
29. [1.1] SUNGU MISIRLIOGLU, Banu - CAKIR, Oznur - CALIK, Hilal - CAKIR-KOC, Rabia. Assessment of structural and cytotoxic properties of

cobalt ferrite nanoparticles for biomedical applications. In INORGANIC AND NANO-METAL CHEMISTRY. ISSN 2470-1556, 2020, vol., no., pp.,

Registrované v: WOS

30. [1.1] SURENDRAN, P. - LAKSHMANAN, A. - PRIYA, S. Sakthy - BALAKRISHNAN, K. - RAMESHKUMAR, P. - HEGDE, Tejaswi Ashok - VINITHA, G. - RAMALINGAM, G. - RAJ, A. Antony. Investigations on solid-state parameters of third-order nonlinear optical $\text{Ni}_{1-x}\text{Zn}_x\text{Fe}_2\text{O}_4$ nanoparticles synthesized by microwave-assisted combustion method. In APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING. ISSN 0947-8396, 2020, vol. 126, no. 4, 257., Registrované v: WOS

31. [1.1] YOUSAF, M. - AKHTAR, Majid Niaz - WANG, Baoyuan - NOOR, Asma. Preparations, optical, structural, conductive and magnetic evaluations of RE's (Pr, Y, Gd, Ho, Yb) doped spinel nanoferrites. In CERAMICS INTERNATIONAL. ISSN 0272-8842, 2020, vol. 46, no. 4, pp. 4280-4288., Registrované v: WOS

32. [1.2] LINH, Pham Hoai - ANH, Nguyen Thi Ngoc - NAM, Pham Hong - BACH, Ta Ngoc - LAM, Vu Dinh - MANH, Do Hung. A Facile Ultrasound Assisted Synthesis of Dextran-Stabilized $\text{Co}_{0.2}\text{Fe}_{0.8}/\text{Fe}_{0.2}\text{Fe}_{0.8}/\text{Fe}_{0.2}\text{Fe}_{0.8}/\text{Fe}_{0.2}\text{Fe}_{0.8}$ Nanoparticles for Hyperthermia Application. In IEEE Transactions on Magnetics. ISSN 00189464, 2018-06-01, 54, 6, pp. Dostupné na: <https://doi.org/10.1109/TMAG.2018.2815080>., Registrované v: SCOPUS

ADCA1311 YAGODIN, D. - SIDOROV, V. - JANIČKOVIČ, Dušan - ŠVEC, Peter. Density studies of liquid alloys Sn-Ag and Sn-Zn with near eutectic compositions. In *Journal of Non-Crystalline Solids*, 2012, vol. 358, no. 21, p. 2935-2937. (2011: 1.537 - IF, Q1 - JCR, 0.844 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents). ISSN 0022-3093. Dostupné na: <https://doi.org/10.1016/j.jnoncrysol.2012.07.001>

Ohlasy:

1. [1.1] HOOPER, R. J. - ADAMS, D. P. - HIRSCHFELD, D. - MANUEL, M. V. The Effect of Substrate Microstructure on the Heat-Affected Zone Size in Sn-Zn Alloys Due to Adjoining Ni-Al Reactive Multilayer Foil Reaction. In JOURNAL OF ELECTRONIC MATERIALS. ISSN 0361-5235, 2016, vol. 45, no. 1, pp. 1-11., Registrované v: WOS

ADCA1312 YAKYMOVYCH, Andriy** - SLABON, Adam - ŠVEC, Peter - PLEVACHUK, Yuriy - OROVČÍK, Ľubomír - BAJANA, Otto. Nanocomposite SAC solders: the effect of adding CoPd nanoparticles on the morphology and the shear strength of the Sn-3.0Ag-0.5Cu/Cu solder joints. In *Applied Nanoscience*, 2020, vol. 10, no. 12, p. 4603-4607. (2019: 2.880 - IF, Q3 - JCR, 0.572 - SJR, Q2 - SJR, Current Contents - CCC). (2020 - Current Contents). ISSN 2190-5509. Dostupné na: <https://doi.org/10.1007/s13204-020-01325-x>

Ohlasy:

1. [1.1] RAJENDRAN, Sri Harini - HWANG, Seung Jun - JUNG, Jae Pil. Shear Strength and Aging Characteristics of Sn-3.0Ag-0.5Cu/Cu Solder Joint Reinforced with ZrO_2 Nanoparticles. In METALS, 2020, vol. 10, no. 10, 1295., Registrované v: WOS

YAKYMOVYCH, A. - PLEVACHUK, Yu. - ŠVEC, Peter - ŠVEC, Peter Jr. - JANIČKOVIČ, Dušan - ŠEBO, Pavol - BERONSKÁ, Nad'a - ROSHANGHIAS, A. - IPSEER, H. Morphology and Shear Strength of Lead-Free Solder Joints with Sn3.0Ag0.5Cu Solder Paste Reinforced with Ceramic Nanoparticles. In *Journal of Electronics Materials*, 2016, vol. 45, no. 12, p. 6143-6149. (2015: 1.491 - IF, Q2 - JCR, 0.555 - SJR, Q2 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0361-5235. Dostupné na: <https://doi.org/10.1007/s11664-016-4832-7>

Ohlasy:

1. [1.1] BANG, Junghwan - YU, Dong-Yurl - YANG, Ming - KO, Yong-Ho - YOON, Jeong-Won - NISHIKAWA, Hiroshi - LEE, Chang-Woo. Improvement in Thermomechanical Reliability of Low Cost Sn-Based BGA Interconnects by Cr Addition. In *METALS*. ISSN 2075-4701, 2018, vol. 8, no. 8, pp., Registrované v: WOS
2. [1.1] BANG, Junghwan - YU, Dong-Yurl - KO, Yong-Ho - SON, Jun-Hyuk - NISHIKAWA, Hiroshi - LEE, Chang-Woo. Intermetallic compound growth between Sn-Cu-Cr lead-free solder and Cu substrate. In *MICROELECTRONICS RELIABILITY*. ISSN 0026-2714, 2019, vol. 99, pp. 62-73., Registrované v: WOS
3. [1.1] HANIM, M. A. Azmah - KAMIL, N. Muhamad - WEI, Chuan Khang - DELE-AFOLABI, T. T. - AZLINA, O. Saliza. Microstructural and shear strength properties of RHA-reinforced Sn-0.7Cu composite solder joints on bare Cu and ENIAg surface finish. In *JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS*. ISSN 0957-4522, 2020, vol. 31, no. 11, pp. 8316-8328., Registrované v: WOS
4. [1.1] HE, Huang - HUANG, Shangyu - YE, Yongchao - XIAO, Yong - ZHANG, Zhihao - LI, Mingyu - GOODALL, Russell. Microstructure and mechanical properties of Cu joints soldered with a Sn-based composite solder, reinforced by metal foam. In *JOURNAL OF ALLOYS AND COMPOUNDS*. ISSN 0925-8388, 2020, vol. 845, 156240., Registrované v: WOS
5. [1.1] JUNG, Do-Hyun - SHARMA, Ashutosh - JUNG, Jae-Pil. Influence of dual ceramic nanomaterials on the solderability and interfacial reactions between lead-free Sn-Ag-Cu and a Cu conductor. In *JOURNAL OF ALLOYS AND COMPOUNDS*. ISSN 0925-8388, 2018, vol. 743, no., pp. 300-313., Registrované v: WOS
6. [1.1] MAYAPPAN, Ramani - SALLEH, Amirah - TOKIRAN, Nurul Atiqah - AWANG, N. A. Activation energy for Cu-Sn intermetallic in CNT-reinforced Sn-1.0Ag-0.5Cu solder. In *SOLDERING & SURFACE MOUNT TECHNOLOGY*. ISSN 0954-0911, 2019, vol. 32, no. 2, pp. 65-72., Registrované v: WOS
7. [1.1] MAYAPPAN, Ramani - SALLEH, Amirah - TOKIRAN, Nurul Atiqah - AWANG, N. A. Activation energy for Cu-Sn intermetallic in CNT-reinforced Sn-1.0Ag-0.5Cu solder. In *SOLDERING & SURFACE MOUNT TECHNOLOGY*. ISSN 0954-0911, 2020, vol. 32, no. 2, pp. 65-72. Dostupné na: <https://doi.org/10.1108/SSMT-07-2019-0025>., Registrované v: WOS
8. [1.1] TIKALE, Sanjay - PRABHU, K. Narayan. Effect of Multiple Reflow Cycles on the Shear Strength of Nano-Al₂O₃ Particles Reinforced Sn3.6Ag Lead-Free Solder Alloy. In *TRANSACTIONS OF THE INDIAN INSTITUTE OF METALS*. ISSN 0972-2815, 2018, vol. 71, no. 11, pp.

2855-2859., Registrované v: WOS

9. [1.1] TIKALE, Sanjay - PRABHU, K. Narayan. Effect of Multiple Reflow Cycles and Al₂O₃ Nanoparticles Reinforcement on Performance of SAC305 Lead-Free Solder Alloy. In JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE. ISSN 1059-9495, 2018, vol. 27, no. 6, pp. 3102-3111., Registrované v: WOS

10. [1.1] TIKALE, Sanjay - PRABHU, K. Narayan. Performance and reliability of Al₂O₃ nanoparticles doped multicomponent Sn-3.0Ag-0.5Cu-Ni-Ge solder alloy. In MICROELECTRONICS RELIABILITY. ISSN 0026-2714, 2020, vol. 113, 113933., Registrované v: WOS

11. [1.1] TIKALE, Sanjay - PRABHU, K. Narayan. Development of low-silver content SAC307 solder alloy with Al₂O₃ nanoparticles. In MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING, 2020, vol. 787, 139439., Registrované v: WOS

12. [1.1] WANG, Zhiquan - LI, Chun - SI, Xiaoqing - YANG, Bo - HUANG, Yongxian - QI, Junlei - FENG, Jicai - CAO, Jian. Brazing YSZ ceramics by a novel SiO₂ nanoparticles modified Ag filler. In CERAMICS INTERNATIONAL. ISSN 0272-8842, 2020, vol. 46, no. 10, pp. 16493-16501., Registrované v: WOS

13. [1.1] YIN, Zuozhu - LIN, Mei - LI, Qi - WU, Ziyuan. Effect of doping Ni nanoparticles on microstructure evolution and shear behavior of Sn-3.0Ag-0.5Cu(SAC305)/Cu-2.0Be solder joints during reflowing. In JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS. ISSN 0957-4522, 2020, vol. 31, no. 6, pp. 4905-4914., Registrované v: WOS

ADCA1314 YAKYMOVYCH, A.** - ŠVEC, Peter - OROVČÍK, Ľubomír - BAJANA, Otto - IPSER, H. Nanocomposite SAC Solders: The Effect of Adding Ni and Ni-Sn Nanoparticles on Morphology and Mechanical Properties of Sn-3.0Ag-0.5Cu Solders. In *Journal of Electronic Materials*, 2018, vol. 47, no. 1, p. 117-123. (2017: 1.566 - IF, Q3 - JCR, 0.474 - SJR, Q2 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 0361-5235. Dostupné na: <https://doi.org/10.1007/s11664-017-5834-9>

Ohlasy:

1. [1.1] HUANG, Jiayi - JI, Hongjun - PAN, Hao - YIN, Fanqi - LIU, Hao - YU, Jiaao - LI, Mingyu. Mechanism of Ni₃Sn₄ rapid formation of Sn-Ni mixed particles paste in ultrasound-assisted TLP for power electronic chip attachment. In 2018 19TH INTERNATIONAL CONFERENCE ON ELECTRONIC PACKAGING TECHNOLOGY (ICEPT), 2018, vol., no., pp. 1263-1268., Registrované v: WOS

2. [1.1] KRAMMER, Oliver - HURTONY, Tamas. Investigating the Fine Microstructure of Mn-doped SnAgCu Solder Alloys by Selective Electrochemical Etching. In 2018 7TH ELECTRONIC SYSTEM-INTEGRATION TECHNOLOGY CONFERENCE (ESTC), 2018, vol., no., pp., Registrované v: WOS

3. [1.1] TIKALE, Sanjay - PRABHU, K. Narayan. Development of low-silver content SAC307 solder alloy with Al₂O₃ nanoparticles. In MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING. ISSN 0921-5093, 2020, vol. 787, 139439., Registrované v: WOS

4. [1.1] ZHAO, Meng - ZHANG, Liang - SUN, Lei - XIONG, Ming-yue - JIANG, Nan - XU, Kai-kai. Effects of nanoparticles on properties and interface reaction of Sn solder for microelectronic packaging. In INTERNATIONAL JOURNAL OF MODERN PHYSICS B. ISSN 0217-9792, 2020, vol. 34, no. 8, 2050064., Registrované v: WOS
5. [1.2] NADIAH IZZATI, Z. - MUSTAFA AL-BAKRI, A. - MOHD SALLEH, M. A.A. - AHMAD, Romisuhani - AIDA MOHD MORTAR, Nurul - RAMASAMY, Shamala. Microstructure and Mechanical Properties of Geopolymer Ceramic Reinforced Sn-0.7Cu Solder. In IOP Conference Series: Materials Science and Engineering. ISSN 17578981, 2020-07-09, 864, 1, pp. Dostupné na: <https://doi.org/10.1088/1757-899X/864/1/012041>., Registrované v: SCOPUS
6. [1.2] SAHRUDIN, Intan Norshalina - AZIZ, Mohd Sharizal Abdul - ABDULLAH, Mohd Zulkifly - SALLEH, Mohd Arif Anuar Mohd. Study on the addition of nanoparticles in the lead-free solder during reflow soldering via numerical simulation-A review. In CFD Letters, 2020-01-01, 12, 5, pp. 111-119. Dostupné na: <https://doi.org/10.37934/cfdl.12.5.111119>., Registrované v: SCOPUS

ADCA1315 YAKYMOVYCH, A. - PLEVACHUK, Yu. - ŠVEC, Peter - JANIČKOVIČ, Dušan - ŠEBO, Pavol - BERONSKÁ, Nad'a - NOSKO, Martin - OROVČÍK, Ľubomír - ROSHANGHIAS, A. - IPSER, H. Nanocomposite SAC solders: morphology, electrical and mechanical properties of Sn-3.8Ag-0.7Cu solders by adding Co nanoparticles. In *Journal of Materials Science. Materials in Electronics*, 2017, vol. 28, no. 15, p. 10965-10973. (2016: 2.019 - IF, Q2 - JCR, 0.469 - SJR, Q2 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 0957-4522. Dostupné na: <https://doi.org/10.1007/s10853-016-0067-5>

Ohlasy:

1. [1.1] AFDZALUDDIN, Atiqah Mohd - ABU BAKAR, Maria. Effect of Coating Element on Joining Stability of Sn-0.3Ag-0.7Cu Solder Joint due to Aging Test. In SAINS MALAYSIANA. ISSN 0126-6039, 2020, vol. 49, no. 12, pp. 3029-3036., Registrované v: WOS
2. [1.1] DOGAN, Ali - ARSLAN, Huseyin. Thermodynamic description of the viscosity of liquid solder alloys with minor Co impurities. In PHILOSOPHICAL MAGAZINE. ISSN 1478-6435, 2019, vol. 99, no. 3, pp. 267-283., Registrované v: WOS
3. [1.1] GUO, Bingfeng - JIANG, Chengrong - KUNWAR, Anil - ZHAO, Ning - CHEN, Jun - WANG, Yunpeng - MA, Haitao. Effect of Ag concentration on the Cu₆Sn₅ growth in Sn-based solder/Cu joints at the isothermal reflow stage. In 2017 18TH INTERNATIONAL CONFERENCE ON ELECTRONIC PACKAGING TECHNOLOGY (ICEPT), 2017, vol., no., pp. 1087-1091., Registrované v: WOS
4. [1.1] GUO, Bingfeng - KUNWAR, Anil - JIANG, Chengrong - ZHAO, Ning - SUN, Junhao - CHEN, Jun - WANG, Yunpeng - HUANG, Mingliang - MA, Haitao. Synchrotron radiation imaging study on the rapid IMC growth of Sn-xAg solders with Cu and Ni substrates during the heat preservation stage. In JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS. ISSN 0957-4522, 2018, vol. 29, no. 1, pp. 589-601., Registrované v: WOS
5. [1.1] SHALABY, Rizk Mostafa - ELZANATY, Hesham. Effect of

nano-Al₂O₃ particles on the microstructure and mechanical performance of melt-spun process Sn-3.5Ag composite solder. In JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS. ISSN 0957-4522, 2020, vol. 31, no. 8, pp. 5907-5913., Registrované v: WOS

6. [1.1] SITTA, Alessandro - RUSSO, Sebastiano - TORRISI, Marco - MESSINA, Angelo Alberto - D'ARRIGO, Giuseppe - SEQUENZIA, Gaetano - RENNA, Marco - CALABRETTA, Michele. An integrated approach to optimize solder joint reliability. In 2020 21ST INTERNATIONAL CONFERENCE ON THERMAL, MECHANICAL AND MULTI-PHYSICS SIMULATION AND EXPERIMENTS IN MICROELECTRONICS AND MICROSYSTEMS (EUROSIME), 2020., Registrované v: WOS

7. [1.1] YAO, Jinye - LI, Hua - HUANG, Ru - QI, Xiao - WANG, Boyin - QIAO, Junshan - WANG, Yunpeng - MA, Haitao. Mechanism of Cu₅Zn₈ layer act as a diffusion barrier layer. In 2018 19TH INTERNATIONAL CONFERENCE ON ELECTRONIC PACKAGING TECHNOLOGY (ICEPT), 2018, vol., no., pp. 383-386., Registrované v: WOS

8. [1.1] ZHAO, Meng - ZHANG, Liang - SUN, Lei - XIONG, Ming-yue - JIANG, Nan - XU, Kai-kai. Effects of nanoparticles on properties and interface reaction of Sn solder for microelectronic packaging. In INTERNATIONAL JOURNAL OF MODERN PHYSICS B. ISSN 0217-9792, 2020, vol. 34, no. 8, 2050064., Registrované v: WOS

ADCA1316 YARIN, Al - BERNAT, V. - DOUPOVEC, Juraj - MIKLOS, P. The viscous collapse of radial nonsymmetric composite tubes. In *Journal of Lightwave Technology*, 1993, vol. 11, no. 2, pp. 198 - 204. ISSN 0733-8724. Dostupné na: <https://doi.org/10.1109/50.212527>

Ohlasy:

1. [1.1] KLUPSCH, Thomas - PAN, Zhiwen. Collapsing of glass tubes: analytic approaches in a hydrodynamic problem with free boundaries. In JOURNAL OF ENGINEERING MATHEMATICS. ISSN 0022-0833, 2017, vol. 106, no. 1, pp. 143-168., Registrované v: WOS

ADCA1317 YUNG, M.H. - NAGAJ, Daniel - WHITFIELD, J.D. - ASPURU_GUZIK, A. Simulation of classical thermal states on a quantum computer: A transfer-matrix approach. In *Physical Review A*, 2010, vol. 82, no. 6, 060302. (2009: 2.866 - IF, Q2 - JCR, 2.469 - SJR, Q1 - SJR, Current Contents - CCC). (2010 - Current Contents). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.82.060302>

Ohlasy:

1. [1.1] AGHAMOHAMMADI, Cina - MAHONEY, John R. - CRUTCHFIELD, James P. Extreme Quantum Advantage when Simulating Classical Systems with Long-Range Interaction. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2017, vol. 7, 6735., Registrované v: WOS

2. [1.1] FILLION-GOURDEAU, F. - LORIN, E. Simple digital quantum algorithm for symmetric first-order linear hyperbolic systems. In NUMERICAL ALGORITHMS. ISSN 1017-1398, 2019, vol. 82, no. 3, pp. 1009-1045., Registrované v: WOS

3. [1.1] GE, Yimin - MOLNAR, Andras - CIRAC, J. Ignacio. Rapid Adiabatic Preparation of Injective Projected Entangled Pair States and Gibbs States. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2016, vol. 116,

no. 8, 080503., Registrované v: WOS

4. [1.1] LIM, M. H. - YOSHIMURA, B. T. - FREERICKS, J. K.

Creating analogs of thermal distributions from diabatic excitations in ion-trap-based quantum simulation. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2016, vol. 18, 043026., Registrované v: WOS

5. [1.1] LI, Yfan - HU, Jiaqi - ZHANG, Xiao-Ming - SONG, Zhigang - YUNG, Man-Hong. Variational Quantum Simulation for Quantum Chemistry. In ADVANCED THEORY AND SIMULATIONS, 2019, vol. 2, no. 4, 1800182., Registrované v: WOS

6. [1.1] MARTINEZ-MARTINEZ, Ismael - SANCHEZ-BURILLO, Eduardo. Quantum stochastic walks on networks for decision-making. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2016, vol. 6, 23812., Registrované v: WOS

7. [1.1] SCHOENLEBER, D. W. - BENTLEY, C. D. B. - EISFELD, A. Engineering thermal reservoirs for ultracold dipole-dipole-interacting Rydberg atoms. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2018, vol. 20, 013011., Registrované v: WOS

ADCA1318 YUSHANKHAI, V.Y. - PLAKIDA, M. - KALINAY, Pavol.

Superconducting pairing in the mean-field approximation for the t-J model: numerical analysis. In *Physica C*, 1991, vol. 174, no. 4-6, p. 401-408. (1991 - Current Contents). ISSN 0921-4534. Dostupné na:

[https://doi.org/10.1016/0921-4534\(91\)91576-P](https://doi.org/10.1016/0921-4534(91)91576-P)

Ohlasy:

1. [1.1] OVCHINNIKOV, Sergey G. - MAKAROV, Ilya A. - KOZLOV, Peter A. Multiphonon contribution to the polaron formation in cuprates with strong electron correlations and strong electron-phonon interaction. In OXIDE-BASED MATERIALS AND DEVICES VIII. ISSN 0277-786X, 2017, vol. 10105, no., UNSP 101051U., Registrované v: WOS

2. [1.1] PLAKIDA, N. M. Microscopic theory of high-temperature superconductivity in strongly correlated electronic systems. In CONDENSED MATTER PHYSICS. ISSN 1607-324X, 2020, vol. 23, no. 4, 43701., Registrované v: WOS

ADCA1319 ZALESÁK, J. - HOLEC, D. - MAŤKO, Igor - PETRENEC, M. -

SARTORY, B. - KOUTNÁ, N. - DANIEL, R. - PITONAK, R. - KECKES, J.**.

Peculiarity of self-assembled cubic nanolamellae in the TiN/AlN system: Epitaxial self-stabilization by element deficiency/excess. In *Acta Materialia*, 2017, vol. 131, p. 391-399. (2016: 5.301 - IF, Q1 - JCR, 3.210 - SJR, Q1 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 1359-6454. Dostupné na:

<https://doi.org/10.1016/j.actamat.2017.04.009>

Ohlasy:

1. [1.1] FORSLUND, Axel - RUBAN, Andrei. Surface energetics of Al_xTi_{1-x}N alloys. In COMPUTATIONAL MATERIALS SCIENCE. ISSN 0927-0256, 2020, vol. 183, 109813., Registrované v: WOS

2. [1.1] CHEN, Yi - ZHANG, Li - ZHU, Jun-Jie - ZHANG, Hua-Dong - ZHOU, Lei - XIAO, Qiao-Ping - LUO, Guo-Kai. Phase interfaces between AlTiN and WC/Mo₂C in WC-Mo₂C substrate and the related characteristics. In INTERNATIONAL JOURNAL OF REFRACTORY METALS & HARD MATERIALS. ISSN 0263-4368, 2018, vol. 72, pp. 323-331., Registrované v:

WOS

3. [1.1] QIU, Ren - FORSLUND, Axel - BACKE, Olof - IYER, Anand H. S. - SATTARI, Mohammad - JANSSEN, Wiebke - MANNS, Thorsten - RUEMMEL, Johannes - RUBAN, Andrei - STIENS, Dirk - ANDREN, Hans-Olof - HALVARSSON, Mats. Effects of gas flow on detailed microstructure inhomogeneities in LPCVD TiAlN nanolamella coatings. In MATERIALIA. ISSN 2589-1529, 2020, vol. 9, 100546., Registrované v: WOS
4. [1.1] SARINGER, Christian - TKADLETZ, Michael - STARK, Andreas - SCHELL, Norbert - CZETTL, Christoph - SCHALK, Nina. In-situ investigation of the oxidation behavior of metastable CVD-Ti_{1-x}Al_xN using a novel combination of synchrotron radiation XRD and DSC. In SURFACE & COATINGS TECHNOLOGY. ISSN 0257-8972, 2019, vol. 374, pp. 617-624., Registrované v: WOS
5. [1.1] TKADLETZ, Michael - HOFER, Christina - WUESTEFELD, Christina - SCHALK, Nina - MOTYLENKO, Mykhaylo - RAFAJA, David - HOLZSCHUH, Helga - BURGİN, Werner - SARTORY, Bernhard - MITTERER, Christian - CZETTL, Christoph. Thermal stability of nanolamellar fcc-Ti_{1-x}Al_xN grown by chemical vapor deposition. In ACTA MATERIALIA. ISSN 1359-6454, 2019, vol. 174, pp. 195-205., Registrované v: WOS
6. [1.1] UNY, Florent - ACHACHE, Sofiane - LAMRI, Salim - GHANBAJA, Jaafar - FISCHER, Evelyne - PONS, Michel - BLANQUET, Elisabeth - SCHUSTER, Frederic - SANCHETTE, Frederic. Deposition and characterization of (Ti, Al)N coatings deposited by thermal LPCVD in an industrial reactor. In SURFACE & COATINGS TECHNOLOGY. ISSN 0257-8972, 2019, vol. 358, pp. 923-933., Registrované v: WOS

ADCA1320 ZÁPRAŽNÝ, Zdenko** - KORYTÁR, Dušan - JERTEL, Matej - HALAHOVETS, Yuriy - KOTLÁR, M. - MAŤKO, Igor - HAGARA, Jakub - ŠIFFALOVIC, Peter - KEČKÉŠ, Jozef - MAJKOVÁ, Eva. Characterization of the chips generated by the nanomachining of germanium for X-ray crystal optics. In *International Journal of Advanced Manufacturing Technology*, 2019, vol. 102, no. 9-12, p. 2757-2767. (2018: 2.496 - IF, Q2 - JCR, 0.987 - SJR, Q1 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 0268-3768. Dostupné na: <https://doi.org/10.1007/s00170-019-03392-z>

Ohlasy:

1. [1.1] SHAHINIAN, Hossein - NAVARE, Jayesh - BODLAPATI, Charan - ZAYTSEV, Dmytro - KANG, Di - RAVINDRA, Deepak. High speed ultraprecision machining of germanium. In OPTIFAB 2019. ISSN 0277-786X, 2019, vol. 11175, UNSP 111750E., Registrované v: WOS

ADCA1321 ZELENÁKOVÁ, Adriana - ZELENÁK, Vladimír - MAŤKO, Igor - STREČKOVÁ, Magdaléna - HRUBOVČÁK, Pavol - KOVÁČ, Jozef. Superferromagnetism in chain-like Fe@SiO₂ nanoparticle ensembles. In *Journal of Applied Physics*, 2014, vol. 116, 033907. (2013: 2.185 - IF, Q2 - JCR, 1.165 - SJR, Q1 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 0021-8979. Dostupné na: <https://doi.org/10.1063/1.4890354>

Ohlasy:

1. [1.1] ARORA, A. - PHILLIPS, L. C. - NUKALA, P. - BEN HASSINE, M. - UNAL, A. A. - DKHI, B. - BALCELLS, LI - IGLESIAS, O. - BARTHELEMY, A. - KRONAST, F. - BIBES, M. - VALENCIA, S. Switching

- on superferromagnetism. In PHYSICAL REVIEW MATERIALS. ISSN 2475-9953, 2019, vol. 3, no. 2, pp., Registrované v: WOS
2. [1.1] DUDEK, M. R. - DUDEK, K. K. - WOLAK, W. - WOJCIECHOWSKI, K. W. - GRIMA, J. N. Magnetocaloric materials with ultra-small magnetic nanoparticles working at room temperature. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2019, vol. 9, no., pp., Registrované v: WOS
 3. [1.1] KOPANJA, Lazar - ZUNIC, Dragisa - LONCAR, Boris - GYERGYEK, Saso - TADIC, Marin. Quantifying shapes of nanoparticles using modified circularity and ellipticity measures. In MEASUREMENT. ISSN 0263-2241, 2016, vol. 92, no., pp. 252-263., Registrované v: WOS
 4. [1.1] LEE, Junhyung - KWAK, Seung-Yeop. Tubular Superstructures Composed of alpha-Fe₂O₃ Nanoparticles from Pyrolysis of Metal-Organic Frameworks in a Confined Space: Effect on Morphology, Particle Size, and Magnetic Properties. In CRYSTAL GROWTH & DESIGN. ISSN 1528-7483, 2017, vol. 17, no. 9, pp. 4496-4500., Registrované v: WOS
 5. [1.1] LIU, Jinming - WU, Kai - WANG, Jian-Ping. Magnetic properties of cubic FeCo nanoparticles with anisotropic long chain structure. In AIP ADVANCES. ISSN 2158-3226, 2016, vol. 6, no. 5, pp., Registrované v: WOS
 6. [1.1] MA, Yonghui - LI, Guojian - DU, Jiaojiao - LI, Mengmeng - WANG, Jianhao - WANG, Qiang. Size-dependent structure and magnetic properties of co-evaporated Fe-SiO₂ nanoparticle composite film under high magnetic field. In AIP ADVANCES. ISSN 2158-3226, 2016, vol. 6, no. 5, pp., Registrované v: WOS
 7. [1.1] RATHI, A. - BABU, P. D. - ROUT, P. K. - AWANA, V. P. S. - TRIPATHI, Vikash K. - NAGARAJAN, R. - SIVAIAH, B. - PANT, R. P. - BASHEED, G. A. Anomalous nano-magnetic effects in non-collinear spinel chromite NiCr₂O₄. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2019, vol. 474, no., pp. 585-590., Registrované v: WOS
 8. [1.1] TADIC, Marin - KRALJ, Slavko - KOPANJA, Lazar. Synthesis, particle shape characterization, magnetic properties and surface modification of superparamagnetic iron oxide nanochains. In MATERIALS CHARACTERIZATION. ISSN 1044-5803, 2019, vol. 148, no., pp. 123-133., Registrované v: WOS
 9. [1.1] TAKAMI, Tsuyoshi - MATSUI, Keitaro - SENOH, Hiroshi - TAGUCHI, Noboru - SHIKANO, Masahiro - SAKAEBE, Hikari - FUKUNAGA, Toshiharu. Magnetic behavior of Fe nanoparticles driven by phase transition of FeF₃. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2018, vol. 769, no., pp. 539-544., Registrované v: WOS
 10. [1.1] TAKAMI, Tsuyoshi - MATSUI, Keitaro - SENOH, Hiroshi - SHIKANO, Masahiro - SAKAEBE, Hikari - FUKUNAGA, Toshiharu. Role of the particle size of Fe nanoparticles in the capacity of FeF₃ batteries. In AIP ADVANCES. ISSN 2158-3226, 2019, vol. 9, no. 4, pp., Registrované v: WOS
 11. [1.1] THIRUVENGADAM, V. - VITTA, Satish. Interparticle interactions mediated superspin glass to superferromagnetic transition in Ni-bacterial cellulose aerogel nanocomposites. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2016, vol. 119, no. 24, pp., Registrované v: WOS
 12. [1.1] TOULEMON, Delphine - RASTEI, Mircea V. - SCHMOOL, David - SAIZ GARITAONANDIA, Jose - LEZAMA, Luis - CATTOEN, Xavier

- BEGIN-COLIN, Sylvie - PICHON, Benoit P. Enhanced Collective Magnetic Properties Induced by the Controlled Assembly of Iron Oxide Nanoparticles in Chains. In *ADVANCED FUNCTIONAL MATERIALS*. ISSN 1616-301X, 2016, vol. 26, no. 15, pp. 2454-2462., Registrované v: WOS
13. [1.1] TOULEMON, Delphine - LIU, Yu - CATTOEN, Xavier - LEUVREY, Cedric - BEGIN-COLIN, Sylvie - PICHON, Benoit P. Enhanced Collective Magnetic Properties in 2D Monolayers of Iron Oxide Nanoparticles Favored by Local Order and Local 1D Shape Anisotropy. In *LANGMUIR*. ISSN 0743-7463, 2016, vol. 32, no. 6, pp. 1621-1628., Registrované v: WOS
14. [1.1] TRPKOV, Djordje - PANJAN, Matjaz - KOPANJA, Lazar - TADIC, Marin. Hydrothermal synthesis, morphology, magnetic properties and self-assembly of hierarchical alpha-Fe₂O₃ (hematite) mushroom-, cube- and sphere-like superstructures. In *APPLIED SURFACE SCIENCE*. ISSN 0169-4332, 2018, vol. 457, no., pp. 427-438., Registrované v: WOS
15. [1.1] USKOKOVIC, Vuk. Earthlike and Its Discontents: A Historical Critical Review of Iron (Oxide) Particles Singly and Doubly Shelled with Silica and/or Carbon. In *ACS EARTH AND SPACE CHEMISTRY*. ISSN 2472-3452, 2020, vol. 4, no. 10, pp. 1843-1877., Registrované v: WOS
16. [1.1] ZENG, Wen - YANG, Qiqi - SHAO, Bin - GUO, Donglin - LI, Chunhong - MA, Yilong - YIN, Xueguo - ZHAO, Sibao - LI, Kejian. Synthesis of monodisperse Fe@SiO₂ core-shell nanocapsules and investigation of their magnetic behaviour. In *MICRO & NANO LETTERS*, 2019, vol. 14, no. 9, pp. 976-979., Registrované v: WOS

ADCA1322 ZHANG, Quanzhen - LI, Yan Jun** - WEN, Huan Fei - ADACHI, Yuuki - MIYAZAKI, Masato - SUGAWARA, Yasuhiro - XU, Rui - CHENG, Zhi Hai - BRNDIAR, Ján - KANTOROVICH, Lev - ŠTICH, Ivan. Measurement and manipulation of the charge state of an adsorbed oxygen adatom on the rutile TiO₂(110)-1×1 surface by nc-AFM and KPFM. In *Journal of the American Chemical Society*, 2018, vol. 140, no. 46, p. 15668-15674. (2017: 14.357 - IF, Q1 - JCR, 8.127 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 0002-7863. Dostupné na: <https://doi.org/10.1021/jacs.8b07745>

Ohlasy:

1. [1.1] BAO, Yang - SONG, Peng - LIU, Yanpeng - CHEN, Zhihui - ZHU, Menglong - ABDELWAHAB, Ibrahim - SU, Jie - FU, Wei - CHI, Xiao - YU, Wei - LIU, Wei - ZHAO, Xiaoxu - XU, Qing-Hua - YANG, Ming - LOH, Klan Ping. Gate-Tunable In-Plane Ferroelectricity in Few-Layer SnS. In *NANO LETTERS*. ISSN 1530-6984, 2019, vol. 19, no. 8, pp. 5109-5117., Registrované v: WOS
2. [1.1] HOSSEIN-BABAEI, Faramarz - ZARE, Ali Hooshyar - GHARESI, Mohsen. Quantitative Assessment of Vapor Molecule Adsorption to Solid Surfaces by Flow Rate Monitoring in Microfluidic Channels. In *ANALYTICAL CHEMISTRY*. ISSN 0003-2700, 2019, vol. 91, no. 20, pp. 12827-12834., Registrované v: WOS
3. [1.1] LI, Dongqi - JIANG, Zhaohua - XIA, Qixing - YAO, Zhongping. Pre- or post-TiCl₄ treated TiO₂ nano-array photoanode for QDSSC: Ti³⁺ self-doping, flat-band level and electron diffusion length. In *APPLIED SURFACE SCIENCE*. ISSN 0169-4332, 2019, vol. 491, no., pp. 319-327., Registrované v: WOS
4. [1.1] LI, Haoze - SUN, Bojing - YANG, Fan - WANG, Zhen - XU,

Yachao - TIAN, Guohui - PAN, Kai - JIANG, Baojiang - ZHOU, Wei.
Homojunction and defect synergy-mediated electron-hole separation for
solar-driven mesoporous rutile/anatase TiO₂ microsphere photocatalysts. In RSC
ADVANCES. ISSN 2046-2069, 2019, vol. 9, no. 14, pp. 7870-7877.,

Registrované v: WOS

5. [1.1] WALENTA, Constantin A. - TSCHURL, Martin - HEIZ, Ueli.
Introducing catalysis in photocatalysis: What can be understood from surface
science studies of alcohol photoreforming on TiO₂. In JOURNAL OF
PHYSICS-CONDENSED MATTER. ISSN 0953-8984, 2019, vol. 31, no. 47,
pp., Registrované v: WOS

6. [1.2] SOKOLOVIC, Igor - RETICCIOLI, Michele - CALKOVSKÝ,
Martin - WAGNER, Margareta - SCHMID, Michael - FRANCHINI, Cesare -
DIEBOLD, Ulrike - SETVÍN, Martin. Resolving the adsorption of molecular O₂
on the rutile TiO₂(110) surface by noncontact atomic force microscopy. In
Proceedings of the National Academy of Sciences of the United States of
America. ISSN 00278424, 2020-06-30, 117, 26, pp. 14827-14837., Registrované
v: SCOPUS

ADCA1323 ZHU, S.J. - HAMILTON, J.H. - RAMAYYA, A.V. - JONES, E.F. -
HWANG, J.K. - WANG, M.G. - ZHANG, X.Q. - GORE, P.M. - PEKER, L.K. -
DRAFTA, G. - BABU, B.R.S. - MA, W.C. - LONG, G.L. - ZHU, L.Y. - GAN, C.Y.
- YANG, L.M. - SAKHAEI, M. - LI, H. - DENG, J.K. - GINTER, T.N. - BEYER,
C.J. - KORMICKI, J. - COLE, J.D. - ARYAEINEJAD, R. - DRIGERT, M.W. -
RASMUSSEN, J.O. - ASZTALOS, S. - LEE, I.Y. - MACCHIAVELLI, A.O. -
CHU, S.Y. - GREFORICH, K.E. - MOHAR, M.F. - TER-AKOPIAN, G.M. -
DANIEL, A.V. - OGANESSIAN, Y.T. - DONANGELO, R. - STOYER, M.A. -
LOUGHEED, R.W. - MOODY, K.J. - WILD, J.F. - PRUSSIN, S.G. - KLIMAN,
Ján - GRIFFIN, H.C. Octupole correlations in neutron-rich Ba-143, Ba-145 and a
type of superdeformed band in Ba-145. In *Physical Review C*, 1999, vol. 60, no. 5,
051304. (1999 - Current Contents, SCOPUS). ISSN 2469-9985.

Ohlasy:

1. [1.1] CHEN YONG-JING - CHEN YONG-SHOU - GAO
ZAO-CHUN - TU YA. The octupole deformation of Ba-143. In
INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR
PHYSICS. ISSN 0218-3013, 2015, vol. 24, no. 11, 1550081., Registrované v:
WOS
2. [1.1] CHEN, X. C. et al. Evolution of octupole correlations in Ba-123.
In PHYSICAL REVIEW C. ISSN 2469-9985, 2016, vol. 94, no. 2, 021301.,
Registrované v: WOS
3. [1.1] CHEN, Yong-Jing - GAO, Zao-Chun - CHEN, Yong-Shou -
TU, Ya. Octupole bands and simplex inversion in the neutron-rich nucleus
Ba-145. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 91, no. 1,
014217., Registrované v: WOS
4. [1.1] WANG, Hua-Lei - YANG, Jie - LIU, Min-Liang - XU,
Fu-Rong. Evolution of ground-state quadrupole and octupole stiffnesses in
even-even barium isotopes. In PHYSICAL REVIEW C. ISSN 2469-9985, 2015,
vol. 92, no. 2, 024303., Registrované v: WOS

ADCA1324 ZIEGLER, K. - KOGAN, E. - MAJERNÍKOVÁ, Eva - SHPYRKO, S.
Ising instability of a Holstein phonon mode in graphene. In *Physical Review B*,

2011, vol. 84, no. 7, 073407. (2010: 3.774 - IF, Q1 - JCR, 3.318 - SJR, Q1 - SJR, Current Contents - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.84.073407>

Ohlasy:

1. [1.1] POLITANO, Antonio - DE JUAN, Fernando - CHIARELLO, Gennaro - FERTIG, Herbert A. Emergence of an Out-of-Plane Optical Phonon (ZO) Kohn Anomaly in Quasifreestanding Epitaxial Graphene. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 115, no. 7, 075504., Registrované v: WOS

ADCA1325 ZIGO, Juraj - ROIK, Oleksandr** - ŠVEC, Peter - MIHALKOVIČ, Marek - ŠVEC, Peter Jr. - MAŤKO, Igor. Study of the Al-T-Si (T = Fe, Co, Ni) alloys in the solid, liquid and as-quenched states. In *Materials Characterization*, 2018, vol. 138, p. 315-324. (2017: 2.892 - IF, Q1 - JCR, 1.291 - SJR, Q1 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 1044-5803. Dostupné na: <https://doi.org/10.1016/j.matchar.2017.11.044>

Ohlasy:

1. [1.1] NYKYRUY, Yulia - MUDRY, Stepan - KULYK, Yuriy - SHTABLA VYI, Igor - SERKIZ, Roman - GIRZHON, Vasyi - SMOLYAKOV, Olexander. Structure and phase transformations of amorphous-nanocrystalline Al-based alloy. In APPLIED NANOSCIENCE. ISSN 2190-5509, 2020, vol. 10, no. 12, pp. 4385-4393., Registrované v: WOS
2. [1.1] NYKYRUY, Yuliya - MUDRY, Stepan - PRUNITSA, Vitalii - VENHRYN, Bohdan. Structure Investigation of Rapidly Quenched Al₆₅Si₂₅Ni₁₀ Amorphous Alloy After Izothermal Annealing. In 15TH INTERNATIONAL CONFERENCE ON ADVANCED TRENDS IN RADIOELECTRONICS, TELECOMMUNICATIONS AND COMPUTER ENGINEERING (TCSET 2020), 2020, pp. 993-996., Registrované v: WOS
3. [1.1] SILBER, Reynold E. - SECCO, Richard A. - YONG, Wenjun - LITTLETON, Joshua A. H. Heat Flow in Earth's Core From Invariant Electrical Resistivity of Fe-Si on the Melting Boundary to 9 GPa: Do Light Elements Matter? In JOURNAL OF GEOPHYSICAL RESEARCH-SOLID EARTH. ISSN 2169-9313, 2019, vol. 124, no. 6, pp. 5521-5543., Registrované v: WOS

ADCA1326 ZIJLSTRA, E.S. - KORTUS, J. - KRAJČÍ, Marián - STADNIK, Z.M. - BOSE, S.K. Structure, electronic density of states and electric field gradients of icosahedral AlCuFe: An ab initio study of the original and a modified Cockayne model. In *Physical Review B*, 2004, vol. 69, no. 9, 094206. (2003: 2.962 - IF, Current Contents - CCC). (2004 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.69.094206>

Ohlasy:

1. [1.1] KHAN, Sajid - YAZDANI-KACHOEI, M. - JALALI-ASADABADI, S. - AHMAD, Iftikhar. Hyperfine field, electric field gradient, quadrupole coupling constant and magnetic properties of challenging actinide digallide. In PHYSICA B-CONDENSED MATTER. ISSN 0921-4526, 2017, vol. 526, pp. 102-109., Registrované v: WOS
2. [1.1] KHAN, Sajid - YAZDANI-KACHOEI, M. - JALALI-ASADABADI, S. - AHMAD, Iftikhar. Theoretical studies of cubic AuCu₃-type intermetallic actinide compounds NpPx(3) (Px = Al, Ga, In). In INTERMETALLICS. ISSN 0966-9795, 2018, vol. 93, pp. 77-84., Registrované

v: WOS

3. [1.1] PILLACA QUISPE, Mirtha - LANDAURO, Carlos V. - PINTO VERGARA, Milida Z. - QUISPE-MARCATOMA, Justiniano - ROJAS-AYALA, Chachi - PENA-RODRIGUEZ, Victor A. - BAGGIO-SAITOVITCH, Elisa. Influence of high energy milling on the microstructure and magnetic properties of the AlCu-Fe phases: the case of the i-Al₆₄Cu₂₃Fe₁₃ quasicrystalline and the omega-Al₇₀Cu₂₀Fe₁₀ crystalline phases. In RSC ADVANCES. ISSN 2046-2069, 2016, vol. 6, no. 7, pp. 5367-5376., Registrované v: WOS

ADCA1327

ZIMAN, A. - ŠTELMACHOVIČ, Peter - BUŽEK, Vladimír.

Description of quantum dynamics of open systems based on collision-like models. In *Open Systems and Information Dynamics*, 2005, vol. 12, no. 1, p. 81-91. Dostupné na: <https://doi.org/10.1007/s11080-005-0488-0>

Ohlasy:

1. [1.1] ALTAMIRANO, Natacha - CORONA-UGALDE, Paulina - MANN, Robert B. - ZYCH, Magdalena. Unitarity, feedback, interactions-dynamics emergent from repeated measurements. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2017, vol. 19, 013035., Registrované v: WOS

2. [1.1] BERNARDES, Nadja K. - PETERSON, John P. S. - SARTHOUR, Roberto S. - SOUZA, Alexandre M. - MONKEN, C. H. - RODITI, Itzhak - OLIVEIRA, Ivan S. - SANTOS, Marcelo F. High Resolution non-Markovianity in NMR. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2016, vol. 6, 33945., Registrované v: WOS

3. [1.1] BERNARDES, Nadja K. - CARVALHO, Andre R. R. - MONKEN, C. H. - SANTOS, Marcelo F. Coarse graining a non-Markovian collisional model. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 95, no. 3, 032117., Registrované v: WOS

4. [1.1] ÇAKMAK, B. - PEZZUTTO, M. - PATERNOSTRO, M. - MUSTECAPLIOGLU, O. E. Non-Markovianity, coherence, and system-environment correlations in a long-range collision model. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 96, no. 2, 022109., Registrované v: WOS

5. [1.1] CUSUMANO, Stefano - MARI, Andrea - GIOVANNETTI, Vittorio. Interferometric quantum cascade systems. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 95, no. 5, 053838., Registrované v: WOS

6. [1.1] GRIMMER, Daniel - LAYDEN, David - MANN, Robert B. - MARTIN-MARTINEZ, Eduardo. Open dynamics under rapid repeated interaction. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 94, no. 3, 032126., Registrované v: WOS

7. [1.1] GRIMMER, Daniel - MANN, Robert B. - MARTIN-MARTINEZ, Eduardo. Purification in rapid-repeated-interaction systems. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 95, no. 4, 042114., Registrované v: WOS

8. [1.1] KRETSCHMER, Silvan - LUOMA, Kimmo - STRUNZ, Walter T. Collision model for non-Markovian quantum dynamics. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 94, no. 1, 012106., Registrované v: WOS

9. [1.1] LORENZO, Salvatore - CICCARELLO, Francesco - PALMA,

G. Massimo. Class of exact memory-kernel master equations. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2016, vol. 93, no. 5, 052111., Registrované v: WOS

10. [1.1] LORENZO, Salvatore - CICCARELLO, Francesco - PALMA, G. Massimo - VACCHINI, Bassano. Quantum Non-Markovian Piecewise Dynamics from Collision Models. In *OPEN SYSTEMS & INFORMATION DYNAMICS*. ISSN 1230-1612, 2017, vol. 24, no. 4, 1740011., Registrované v: WOS

11. [1.1] LORENZO, Salvatore - CICCARELLO, Francesco - PALMA, G. Massimo. Composite quantum collision models. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2017, vol. 96, no. 3, 032107., Registrované v: WOS

12. [1.1] UZDIN, Raam - LEVY, Amikam - KOSLOFF, Ronnie. Quantum Heat Machines Equivalence, Work Extraction beyond Markovianity, and Strong Coupling via Heat Exchangers. In *ENTROPY*. ISSN 1099-4300, 2016, vol. 18, no. 4, 124., Registrované v: WOS

ADCA1328 ZIMAN, Mário - BUŽEK, Vladimír. All (qubit) decoherences: Complete characterization and physical implementation. In *Physical Review A*, 2005, vol. 72, no. 2, 022110. ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.72.022110>

Ohlasy:

1. [1.1] ALTAMIRANO, Natacha - CORONA-UGALDE, Paulina - MANN, Robert B. - ZYCH, Magdalena. Unitarity, feedback, interactions-dynamics emergent from repeated measurements. In *NEW JOURNAL OF PHYSICS*. ISSN 1367-2630, 2017, vol. 19, 013035., Registrované v: WOS

2. [1.1] BALDIJAO, Roberto D. - CUNHA, Marcelo Terra. Classical limits and contextuality in a scenario of multiple observers. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2020, vol. 102, no. 5, 052226., Registrované v: WOS

3. [1.1] BENENTI, Giuliano - STRINI, Giuliano. Dynamical Casimir effect and minimal temperature in quantum thermodynamics. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2015, vol. 91, no. 2, 020502., Registrované v: WOS

4. [1.1] BERNARDES, Nadja K. - PETERSON, John P. S. - SARTHOUR, Roberto S. - SOUZA, Alexandre M. - MONKEN, C. H. - RODITI, Itzhak - OLIVEIRA, Ivan S. - SANTOS, Marcelo F. High Resolution non-Markovianity in NMR. In *SCIENTIFIC REPORTS*. ISSN 2045-2322, 2016, vol. 6, 33945., Registrované v: WOS

5. [1.1] BERNARDES, Nadja K. - CARVALHO, Andre R. R. - MONKEN, C. H. - SANTOS, Marcelo F. Coarse graining a non-Markovian collisional model. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2017, vol. 95, no. 3, 032117., Registrované v: WOS

6. [1.1] BEYER, Konstantin - LUOMA, Kimmo - STRUNZ, Walter T. Collision-model approach to steering of an open driven qubit. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2018, vol. 97, no. 3, 032113., Registrované v: WOS

7. [1.1] CAMPBELL, Steve - CAKMAK, Baris - MUSTEAPLIOGLU, Ozgur E. - PATERNOSTRO, Mauro - VACCHINI, Bassano. Collisional unfolding of quantum Darwinism. In *PHYSICAL REVIEW*

- A. ISSN 2469-9926, 2019, vol. 99, no. 4, 042103., Registrované v: WOS
8. [1.1] CAMPBELL, Steve - CICCARELLO, Francesco - PALMA, G. Massimo - VACCHINI, Bassano. System-environment correlations and Markovian embedding of quantum non-Markovian dynamics. In PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 98, no. 1, 012142., Registrované v: WOS
9. [1.1] CAMPBELL, Steve - POPOVIC, Maria - TAMASCELLI, Dario - VACCHINI, Bassano. Precursors of non-Markovianity. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2019, vol. 21, 053036., Registrované v: WOS
10. [1.1] CRESSER, J. D. Time-reversed quantum trajectory analysis of micromaser correlation properties and fluctuation relations. In PHYSICA SCRIPTA. ISSN 0031-8949, 2019, vol. 94, no. 3, 034005., Registrované v: WOS
11. [1.1] CUSUMANO, Stefano - CAVINA, Vasco - KECK, Maximilian - DE PASQUALE, Antonella - GIOVANNETTI, Vittorio. Entropy production and asymptotic factorization via thermalization: A collisional model approach. In PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 98, no. 3, 032119., Registrované v: WOS
12. [1.1] DESCHAMPS, Julien - NECHITA, Ion - PELLEGRINI, Clement. On some classes of bipartite unitary operators. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2016, vol. 49, no. 33, 335301., Registrované v: WOS
13. [1.1] GARCIA-PEREZ, Guillermo - ROSSI, Matteo A. C. - MANISCALCO, Sabrina. IBM Q Experience as a versatile experimental testbed for simulating open quantum systems. In NPJ QUANTUM INFORMATION, 2020, vol. 6, no. 1, 1., Registrované v: WOS
14. [1.1] GRIMMER, Daniel - LAYDEN, David - MANN, Robert B. - MARTIN-MARTINEZ, Eduardo. Open dynamics under rapid repeated interaction. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 94, no. 3, 032126., Registrované v: WOS
15. [1.1] GRIMMER, Daniel - MANN, Robert B. - MARTIN-MARTINEZ, Eduardo. Purification in rapid-repeated-interaction systems. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 95, no. 4, 042114., Registrované v: WOS
16. [1.1] GUARNIERI, Giacomo - MORRONE, Daniele - CAKMAK, Baris - PLASTINA, Francesco - CAMPBELL, Steve. Non-equilibrium steady-states of memoryless quantum collision models. In PHYSICS LETTERS A. ISSN 0375-9601, 2020, vol. 384, no. 24, 126576., Registrované v: WOS
17. [1.1] CHIRIBELLA, Giulio - YANG, Yuxiang. Optimal quantum operations at zero energy cost. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 96, no. 2, 022327., Registrované v: WOS
18. [1.1] CHRUSCINSKI, Dariusz - KOSSAKOWSKI, Andrzej. Sufficient conditions for a memory-kernel master equation. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 94, no. 2, 020103., Registrované v: WOS
19. [1.1] CHRUSCINSKI, Dariusz - KOSSAKOWSKI, Andrzej. Generalized semi-Markov quantum evolution. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 95, no. 4, 042131., Registrované v: WOS
20. [1.1] JEONG, Kabgyun - KIM, Jaewan. Secure sequential transmission of quantum information. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2015, vol. 14, no. 9, pp. 3523., Registrované v:

WOS

21. [1.1] JIN, Jiasen - GIOVANNETTI, Vittorio - FAZIO, Rosario - SCIARRINO, Fabio - MATALONI, Paolo - CRESPI, Andrea - OSELLAME, Roberto. All-optical non-Markovian stroboscopic quantum simulator. In PHYSICAL REVIEW A. ISSN 2469-9926, 2015, vol. 91, no. 1, 012122., Registrované v: WOS
22. [1.1] KARPAT, G. - YALCINKAYA, I - CAKMAK, B. Quantum synchronization in a collision model. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 1, 012133., Registrované v: WOS
23. [1.1] KRETSCHMER, Silvan - LUOMA, Kimmo - STRUNZ, Walter T. Collision model for non-Markovian quantum dynamics. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 94, no. 1, 012106., Registrované v: WOS
24. [1.1] LI, Li - HALL, Michael J. W. - WISEMAN, Howard M. Concepts of quantum non-Markovianity: A hierarchy. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, 2018, vol. 759, pp. 1-51., Registrované v: WOS
25. [1.1] LORENZO, Salvatore - CICCARELLO, Francesco - PALMA, G. Massimo. Class of exact memory-kernel master equations. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 93, no. 5, 052111., Registrované v: WOS
26. [1.1] LORENZO, Salvatore - CICCARELLO, Francesco - PALMA, G. Massimo. Composite quantum collision models. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 96, no. 3, 032107., Registrované v: WOS
27. [1.1] LORENZO, Salvatore - PATERNOSTRO, Mauro - PALMA, G. Massimo. Anti-Zeno-based dynamical control of the unfolding of quantum Darwinism. In PHYSICAL REVIEW RESEARCH, 2020, vol. 2, no. 1, 013164., Registrované v: WOS
28. [1.1] LORENZO, S. et al. Landauer's principle in multipartite open quantum system dynamics. In PHYSICAL REVIEW LETTERS, 2015, vol. 115, no. 12, 120403., Registrované v: WOS
29. [1.1] MAN, Zhong-Xiao - XIA, Yun-Jie - FRANCO, Rosario Lo. Temperature effects on quantum non-Markovianity via collision models. In PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 97, no. 6, 062104., Registrované v: WOS
30. [1.1] MAN, Zhong-Xiao - XIA, Yun-Jie - LO FRANCO, Rosario. Validity of the Landauer principle and quantum memory effects via collisional models. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 99, no. 4, 042106., Registrované v: WOS
31. [1.1] MEHBOUDI, Mohammad - PARRONDO, Juan M. R. - ACIN, Antonio. Linear response theory for quantum Gaussian processes. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2019, vol. 21, 083036., Registrované v: WOS
32. [1.1] WANG, Chao-Quan - ZOU, Jian - SHAO, Bin. Analysis of various factors affecting the non-Markovian dynamics associated with a hierarchical environment based on collision model. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2017, vol. 16, no. 6, UNSP 156., Registrované v: WOS
33. [1.1] YANG, Long-Mei - LI, Tao - FEI, Shao-Ming - WANG, Zhi-Xi. Entanglement-breaking of quantum dynamical channels. In QUANTUM

INFORMATION PROCESSING. ISSN 1570-0755, 2019, vol. 18, no. 7, 231.,
Registrované v: WOS

34. [1.1] ZHANG, Qi - MAN, Zhong-Xiao - XIA, Yun-Jie.

Non-Markovianity in the presence of multiple thermal environments via collision model. In PHYSICS LETTERS A. ISSN 0375-9601, 2019, vol. 383, no. 21, pp. 2456-2461., Registrované v: WOS

ADCA1329 ZIMAN, Mário - BUŽEK, Vladimír. Concurrence versus purity:

Influence of local channels on Bell states of two qubits. In *Physical Review A*, 2005, vol. 72, no. 5, 053325. ISSN 1050-2947. Dostupné na:
<https://doi.org/10.1103/PhysRevA.72.052325>

Ohlasy:

1. [1.1] AMARO, J. G. - PINEDA, C. Multipartite entanglement dynamics in a cavity. In PHYSICA SCRIPTA. ISSN 0031-8949, 2015, vol. 90, no. 6, 068019., Registrované v: WOS

2. [1.1] ARJMANDI, Mohammad Bagher. An investigation of some quantum correlations of Dirac fields in noninertial frames. In CANADIAN JOURNAL OF PHYSICS. ISSN 0008-4204, 2019, vol. 97, no. 1, pp. 42-50., Registrované v: WOS

3. [1.1] DATTA, Chandan - SAZIM, S. K. - PATI, Arun K. - AGRAWAL, Pankaj. Coherence of quantum channels. In ANNALS OF PHYSICS. ISSN 0003-4916, 2018, vol. 397, pp. 243-258., Registrované v: WOS

4. [1.1] GONZALEZ-GUTIERREZ, Carlos A. - ROMAN-ANCHEYTA, Ricardo - ESPITIA, Diego - LO FRANCO, Rosario. Relations between entanglement and purity in non-Markovian dynamics. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION. ISSN 0219-7499, 2016, vol. 14, no. 7, 1650031., Registrované v: WOS

5. [1.1] GONZALEZ-GUTIERREZ, C. - VILLASENOR, E. - PINEDA, C. - SELIGMAN, T. H. Stabilizing coherence with nested environments: a numerical study using kicked Ising models. In PHYSICA SCRIPTA. ISSN 0031-8949, 2016, vol. 91, no. 8, 083001., Registrované v: WOS

6. [1.1] GONZALEZ-GUTIERREZ, C. A. - SOLIS-VALLES, D. - RODRIGUEZ-LARA, B. M. Microscopic approach to field dissipation in the Jaynes-Cummings model. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2018, vol. 51, no. 1, 015301., Registrované v: WOS

7. [1.1] HEDEMANN, Samuel R. X states of the same spectrum and entanglement as all two-qubit states. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2018, vol. 17, no. 11, UNSP 293., Registrované v: WOS

8. [1.1] MOHAMED, A-B A. - HESSIAN, H. A. - ELEUCH, H. Dynamics of a dissipative two-qubit system interacting non-linearly with a generalized field: Entanglement and mixedness. In OPTIK. ISSN 0030-4026, 2020, vol. 202, 163500., Registrované v: WOS

9. [1.1] SHAHAM, A. - HALEVY, A. - DOVRAT, L. - MEGIDISH, E. - EISENBERG, H. S. Entanglement dynamics in the presence of controlled unital noise. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2015, vol. 5, 10796., Registrované v: WOS

10. [1.1] YANG, Long-Mei - LI, Tao - FEI, Shao-Ming - WANG, Zhi-Xi. Entanglement-breaking of quantum dynamical channels. In QUANTUM

INFORMATION PROCESSING. ISSN 1570-0755, 2019, vol. 18, no. 7, 231.,
Registrované v: WOS

11. [1.1] ZHANG, Qinwei - LIU, Xia - CAO, Lianzhen - ZHAO, Jiaqiang
- LU, Huaixin - YANG, Yang. Entanglement dynamics of photonic bell states
under different noisy channels. In LASER PHYSICS. ISSN 1054-660X, 2020,
vol. 30, no. 11, 115204., Registrované v: WOS

ADCA1330 ZIMAN, Mário - BUŽEK, Vladimír. Correlation-assisted quantum
communication. In *Physical Review A*, 2003, vol. 67, no. 4, 042321. ISSN
1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.67.042321>

Ohlasy:

1. [1.1] DAS, Tamoghna - PRABHU, R. - SEN DE, Aditi - SEN,
Ujjwal. Distributed quantum dense coding with two receivers in noisy
environments. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 92, no.
5, 052330., Registrované v: WOS

2. [1.1] LAURENZA, Riccardo - LUPO, Cosmo - LLOYD, Seth -
PIRANDOLA, Stefano. Dense coding capacity of a quantum channel. In
PHYSICAL REVIEW RESEARCH, 2020, vol. 2, no. 2, 023023., Registrované
v: WOS

3. [1.1] OH, Changhun - KIM, Hoyong - JEONG, Kabgyun - JEONG,
Hyunseok. Minimal control power of controlled dense coding and genuine
tripartite entanglement. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2017, vol.
7, 3765., Registrované v: WOS

4. [1.1] ROY, Saptarshi - DAS, Tamoghna - DAS, Debmalaya -
SEN(DE), Aditi - SEN, Ujjwal. How efficient is transport of quantum cargo
through multiple highways? In ANNALS OF PHYSICS. ISSN 0003-4916, 2020,
vol. 422, 168281., Registrované v: WOS

5. [1.1] ROY, Saptarshi - GHOSAL, Arkaprabha. Rating the
performance of noisy teleportation using fluctuations in fidelity. In PHYSICAL
REVIEW A. ISSN 2469-9926, 2020, vol. 102, no. 1, 012428., Registrované v:
WOS

6. [1.1] ROY, Saptarshi - CHANDA, Titas - DAS, Tamoghna -
SEN(DE), Aditi - SEN, Ujjwal. Deterministic quantum dense coding networks.
In PHYSICS LETTERS A. ISSN 0375-9601, 2018, vol. 382, no. 26, pp.
1709-1715., Registrované v: WOS

7. [1.1] SADHUKHAN, Debasis - ROY, Sudipto Singha - RAKSHIT,
Debraj - SEN (DE), Aditi - SEN, Ujjwal. Beating no-go theorems by engineering
defects in quantum spin models. In NEW JOURNAL OF PHYSICS. ISSN
1367-2630, 2015, vol. 17, 043013., Registrované v: WOS

8. [1.1] SRIVASTAVA, Chirag - BERA, Anindita - SEN (DE), Aditi -
SEN, Ujjwal. One-shot conclusive multiport quantum dense coding capacities. In
PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 5, 052304.,
Registrované v: WOS

9. [1.1] VAN HOP NGUYEN - BA AN NGUYEN. Optimal quantum
channel for perfect controlled super-dense coding protocol. In ADVANCES IN
NATURAL SCIENCES-NANOSCIENCE AND NANOTECHNOLOGY. ISSN
2043-6254, 2019, vol. 10, no. 2, 025008., Registrované v: WOS

10. [1.1] WANG, Xin - QIU, Liang - LI, Song - ZHANG, Chi - YE, Bin.
Relating quantum discord with the quantum dense coding capacity. In JOURNAL
OF EXPERIMENTAL AND THEORETICAL PHYSICS. ISSN 1063-7761,

2015, vol. 120, no. 1, pp. 9., Registrované v: WOS

11. [1.1] WANG, Xin - QIU, Liang. A quantifier of genuine multipartite quantum correlations and its dynamics. In *PHYSICA SCRIPTA*. ISSN 0031-8949, 2015, vol. 90, no. 3, pp., Registrované v: WOS

ADCA1331 ZIMAN, Mário - ŠTELMACHOVIČ, Peter - BUŽEK, Vladimír - HILLERY, M. - SCARANI, V. - GISIN, N. Diluting quantum information: An analysis of information transfer in system-reservoir interactions. In *Physical Review A*, 2002, vol. 65, no. 4, 042105. ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.65.042105>

Ohlasy:

1. [1.1] ABAH, Obinna - PATERNOSTRO, Mauro. Implications of non-Markovian dynamics on information-driven engine. In *JOURNAL OF PHYSICS COMMUNICATIONS*. ISSN 2399-6528, 2020, vol. 4, no. 8, 085016., Registrované v: WOS
2. [1.1] ARISOY, Onat - CAMPBELL, Steve - MUESTECAPLIOGLU, OEzguer E. Thermalization of Finite Many-Body Systems by a Collision Model. In *ENTROPY*, 2019, vol. 21, no. 12, 1182., Registrované v: WOS
3. [1.1] BANCHI, Leonardo - GRANT, Edward - ROCCHETTO, Andrea - SEVERINI, Simone. Modelling non-markovian quantum processes with recurrent neural networks. In *NEW JOURNAL OF PHYSICS*. ISSN 1367-2630, 2018, vol. 20, 123030., Registrované v: WOS
4. [1.1] BAUMER, Elisa - PERARNAU-LLOBET, Marti - KAMMERLANDER, Philipp - WILMING, Henrik - RENNER, Renato. Imperfect Thermalizations Allow for Optimal Thermodynamic Processes. In *QUANTUM*. ISSN 2521-327X, 2019, vol. 3., Registrované v: WOS
5. [1.1] BENENTI, Giuliano - STRINI, Giuliano. Dynamical Casimir effect and minimal temperature in quantum thermodynamics. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2015, vol. 91, no. 2, 020502., Registrované v: WOS
6. [1.1] BEYER, Konstantin - LUOMA, Kimmo - STRUNZ, Walter T. Collision-model approach to steering of an open driven qubit. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2018, vol. 97, no. 3, 032113., Registrované v: WOS
7. [1.1] CAKMAK, B. - MANATULY, A. - MUSTECAPLIOGLU, O. E. Thermal production, protection, and heat exchange of quantum coherences. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2017, vol. 96, no. 3, 032117., Registrované v: WOS
8. [1.1] CAKMAK, B. - PEZZUTTO, M. - PATERNOSTRO, M. - MUSTECAPLIOGLU, O. E. Non-Markovianity, coherence, and system-environment correlations in a long-range collision model. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2017, vol. 96, no. 2, 022109., Registrované v: WOS
9. [1.1] CUEVAS, Alvaro - GERALDI, Andrea - LIORNI, Carlo - BONAVERA, Luis Diego - DE PASQUALE, Antonella - SCIARRINO, Fabio - GIOVANNETTI, Vittorio - MATALONI, Paolo. All-optical implementation of collision-based evolutions of open quantum systems. In *SCIENTIFIC REPORTS*. ISSN 2045-2322, 2019, vol. 9, 3205., Registrované v: WOS
10. [1.1] CUSUMANO, Stefano - MARI, Andrea - GIOVANNETTI, Vittorio. Interferometric quantum cascade systems. In *PHYSICAL REVIEW A*.

- ISSN 2469-9926, 2017, vol. 95, no. 5, 053838., Registrované v: WOS
11. [1.1] DE CHIARA, Gabriele - LANDI, Gabriel - HEWGILL, Adam - REID, Brendan - FERRARO, Alessandro - RONCAGLIA, Augusto J. - ANTEZZA, Mauro. Reconciliation of quantum local master equations with thermodynamics. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2018, vol. 20, 113024., Registrované v: WOS
 12. [1.1] DE CHIARA, Gabriele - ANTEZZA, Mauro. Quantum machines powered by correlated baths. In PHYSICAL REVIEW RESEARCH, 2020, vol. 2, no. 3, 033315., Registrované v: WOS
 13. [1.1] DE VEGA, Ines - ALONSO, Daniel. Dynamics of non-Markovian open quantum systems. In REVIEWS OF MODERN PHYSICS. ISSN 0034-6861, 2017, vol. 89, no. 1, UNSP 015001., Registrované v: WOS
 14. [1.1] GARCIA-PEREZ, Guillermo - CHISHOLM, Dario A. - ROSSI, Matteo A. C. - PALMA, G. Massimo - MANISCALCO, Sabrina. Decoherence without entanglement and quantum Darwinism. In PHYSICAL REVIEW RESEARCH, 2020, vol. 2, no. 1, 012061., Registrované v: WOS
 15. [1.1] GRIMMER, Daniel - LAYDEN, David - MANN, Robert B. - MARTIN-MARTINEZ, Eduardo. Open dynamics under rapid repeated interaction. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 94, no. 3, 032126., Registrované v: WOS
 16. [1.1] GRIMMER, Daniel - MANN, Robert B. - MARTIN-MARTINEZ, Eduardo. Purification in rapid-repeated-interaction systems. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 95, no. 4, 042114., Registrované v: WOS
 17. [1.1] HABECKER, F. - ROEHSE, R. - KLUENER, T. Dissipative quantum dynamics using the stochastic surrogate Hamiltonian approach. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2019, vol. 151, no. 13, 134113., Registrované v: WOS
 18. [1.1] HEWGILL, Adam - ONAM GONZALEZ, J. - PALAO, Jose J. - ALONSO, Daniel - FERRARO, Alessandro - DE CHIARA, Gabriele. Three-qubit refrigerator with two-body interactions. In PHYSICAL REVIEW E. ISSN 2470-0045, 2020, vol. 101, no. 1, 012109., Registrované v: WOS
 19. [1.1] HINAREJOS, Margarida - BANULS, Mari-Carmen - PEREZ, Armando - DE VEGA, Ines. Non-Markovianity and memory of the initial state. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2017, vol. 50, no. 32, 335301., Registrované v: WOS
 20. [1.1] CHRUSCINSKI, Dariusz - KOSSAKOWSKI, Andrzej. Sufficient conditions for a memory-kernel master equation. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 94, no. 2, 020103., Registrované v: WOS
 21. [1.1] CHRUSCINSKI, Dariusz - KOSSAKOWSKI, Andrzej. Generalized semi-Markov quantum evolution. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 95, no. 4, 042131., Registrované v: WOS
 22. [1.1] JIN, Jiasen - GIOVANNETTI, Vittorio - FAZIO, Rosario - SCIARRINO, Fabio - MATALONI, Paolo - CRESPI, Andrea - OSELLAME, Roberto. All-optical non-Markovian stroboscopic quantum simulator. In PHYSICAL REVIEW A. ISSN 2469-9926, 2015, vol. 91, no. 1, 012122., Registrované v: WOS
 23. [1.1] KRETSCHMER, Silvan - LUOMA, Kimmo - STRUNZ, Walter T. Collision model for non-Markovian quantum dynamics. In PHYSICAL

REVIEW A. ISSN 2469-9926, 2016, vol. 94, no. 1, 012106., Registrované v: WOS

24. [1.1] LATUNE, C. L. - SINAYSKIY, I - PETRUCCIONE, F. Apparent temperature: demystifying the relation between quantum coherence, correlations, and heat flows. In QUANTUM SCIENCE AND TECHNOLOGY. ISSN 2058-9565, 2019, vol. 4, no. 2, 025005., Registrované v: WOS

25. [1.1] LEBEDEV, A. V. - LESOVIK, G. B. H-Theorem for Systems with an Interaction Invariant Distribution Function. In LOBACHEVSKII JOURNAL OF MATHEMATICS. ISSN 1995-0802, 2019, vol. 40, no. 10, pp. 1516-1520., Registrované v: WOS

26. [1.1] LESOVIK, G. B. - LEBEDEV, A. V. - SADOVSKYY, I. A. - SUSLOV, M. V. - VINOKUR, V. M. H-theorem in quantum physics. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2016, vol. 6, 32815., Registrované v: WOS

27. [1.1] LI, Li - HALL, Michael J. W. - WISEMAN, Howard M. Concepts of quantum non-Markovianity: A hierarchy. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, 2018, vol. 759, pp. 1-51., Registrované v: WOS

28. [1.1] LORENZO, Salvatore - CICCARELLO, Francesco - PALMA, G. Massimo. Class of exact memory-kernel master equations. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 93, no. 5, 052111., Registrované v: WOS

29. [1.1] LORENZO, Salvatore - CICCARELLO, Francesco - PALMA, G. Massimo - VACCHINI, Bassano. Quantum Non-Markovian Piecewise Dynamics from Collision Models. In OPEN SYSTEMS & INFORMATION DYNAMICS. ISSN 1230-1612, 2017, vol. 24, no. 4, 1740011., Registrované v: WOS

30. [1.1] LORENZO, Salvatore - CICCARELLO, Francesco - PALMA, G. Massimo. Composite quantum collision models. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 96, no. 3, 032107., Registrované v: WOS

31. [1.1] LORENZO, Salvatore - PATERNOSTRO, Mauro - PALMA, G. Massimo. Anti-Zeno-based dynamical control of the unfolding of quantum Darwinism. In PHYSICAL REVIEW RESEARCH, 2020, vol. 2, no. 1, 013164., Registrované v: WOS

32. [1.1] LORENZO, S. - MCCLOSKEY, R. - CICCARELLO, F. - PATERNOSTRO, M. - PALMA, G. M. Landauer's Principle in Multipartite Open Quantum System Dynamics. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 115, no. 12, 120403., Registrované v: WOS

33. [1.1] MAN, Zhong-Xiao - XIA, Yun-Jie - FRANCO, Rosario Lo. Temperature effects on quantum non-Markovianity via collision models. In PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 97, no. 6, 062104., Registrované v: WOS

34. [1.1] MAN, Zhong-Xiao - XIA, Yun-Jie - LO FRANCO, Rosario. Validity of the Landauer principle and quantum memory effects via collisional models. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 99, no. 4, 042106., Registrované v: WOS

35. [1.1] MAN, Zhong-Xiao - ZHANG, Qi - XIA, Yun-Jie. The effects of system-environment correlations on heat transport and quantum entanglement via collision models. In QUANTUM INFORMATION PROCESSING. ISSN

1570-0755, 2019, vol. 18, no. 5, 157., Registrované v: WOS

36. [1.1] MICADEI, Kaonan - PETERSON, John P. S. - SOUZA, Alexandre M. - SARTHOUR, Roberto S. - OLIVEIRA, Ivan S. - LANDI, Gabriel T. - BATALHAO, Tiago B. - SERRA, Roberto M. - LUTZ, Eric. Reversing the direction of heat flow using quantum correlations. In NATURE COMMUNICATIONS. ISSN 2041-1723, 2019, vol. 10, 2456., Registrované v: WOS

37. [1.1] MILZ, Simon - KIM, M. S. - POLLOCK, Felix A. - MODI, Kavan. Completely Positive Divisibility Does Not Mean Markovianity. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 123, no. 4, 040401., Registrované v: WOS

38. [1.1] MOLITOR, Otavio A. D. - LANDI, Gabriel T. Stroboscopic two-stroke quantum heat engines. In PHYSICAL REVIEW A. ISSN 2469-9926, 2020, vol. 102, no. 4, 042217., Registrované v: WOS

39. [1.1] RODRIGUES, Franklin L. S. - DE CHIARA, Gabriele - PATERNOSTRO, Mauro - LANDI, Gabriel T. Thermodynamics of Weakly Coherent Collisional Models. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 123, no. 14, 140601., Registrované v: WOS

40. [1.1] TARANTO, Philip - BAKHSHINEZHAD, Faraj - SCHUETTELKOPF, Philipp - CLIVAZ, Fabien - HUBER, Marcus. Exponential Improvement for Quantum Cooling through Finite-Memory Effects. In PHYSICAL REVIEW APPLIED. ISSN 2331-7019, 2020, vol. 14, no. 5, 054005., Registrované v: WOS

41. [1.1] TARANTO, Philip - MILZ, Simon - POLLOCK, Felix A. - MODI, Kavan. Structure of quantum stochastic processes with finite Markov order. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 99, no. 4, 042108., Registrované v: WOS

42. [1.1] TARANTO, Philip. Memory effects in quantum processes. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION. ISSN 0219-7499, 2020, vol. 18, no. 2, 1941002., Registrované v: WOS

43. [1.1] YANG, Long-Mei - LI, Tao - FEI, Shao-Ming - WANG, Zhi-Xi. Entanglement-breaking of quantum dynamical channels. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2019, vol. 18, no. 7, 231., Registrované v: WOS

44. [1.1] ZHANG, Qi - MAN, Zhong-Xiao - XIA, Yun-Jie. Non-Markovianity in the presence of multiple thermal environments via collision model. In PHYSICS LETTERS A. ISSN 0375-9601, 2019, vol. 383, no. 21, pp. 2456-2461., Registrované v: WOS

ADCA1332 ZIMAN, Mário - HEINOSAARI, Teiko. Discrimination of quantum observables using limited resources. In *Physical Review A*, 2008, vol. 77, no. 4, 042321. (2007: 2.893 - IF, Q1 - JCR, 2.524 - SJR, Q1 - SJR, Current Contents - CCC). (2008 - Current Contents). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.77.042321>

Ohlasy:

1. [1.1] CAO, Tian-Qing - GAO, Fei - ZHANG, Zhi-Chao - YANG, Ying-Hui - WEN, Qiao-Yan. Perfect discrimination of projective measurements with the rank of all projectors being one. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2015, vol. 14, no. 7, pp. 2645., Registrované v: WOS

ADCA1333 ZIMAN, Mário - BUŽEK, Vladimír. Entanglement-induced state ordering under local operations. In *Physical Review A*, 2006, vol. 73, no. 1, 012312. (2005: 2.997 - IF, Q1 - JCR, 1.394 - SJR, Q1 - SJR, Current Contents - CCC). (2006 - Current Contents, SCOPUS). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.73.012312>

Ohlasy:

1. [1.1] FILIPPOV, Sergey N. - FRIZEN, Vladimir V. - KOLOBOVA, Daria V. Ultimate entanglement robustness of two-qubit states against general local noises. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2018, vol. 97, no. 1, 012322., Registrované v: WOS
2. [1.1] HOU, Mo - XIA, Ying-Qing - HOU, Xi-Wen. Dynamical correlations of mutual information and tripartite entanglement for vibrational states in a trimer molecule. In *INTERNATIONAL JOURNAL OF MODERN PHYSICS B*. ISSN 0217-9792, 2015, vol. 29, no. 9, 1550063., Registrované v: WOS
3. [1.1] LIU, C. L. - YU, Xiao-Dong - XU, G. F. - TONG, D. M. Ordering states with coherence measures. In *QUANTUM INFORMATION PROCESSING*. ISSN 1570-0755, 2016, vol. 15, no. 10, pp. 4189-4201., Registrované v: WOS
4. [1.1] PAL, Rajarshi - BANDYOPADHYAY, Somshubhro. Entanglement sharing via qudit channels: Nonmaximally entangled states may be necessary for one-shot optimal singlet fraction and negativity. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2018, vol. 97, no. 3, 032322., Registrované v: WOS
5. [1.1] PAL, Rajarshi - GHOSH, Sibasish. Non-locality breaking qubit channels: the case for CHSH inequality. In *JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL*. ISSN 1751-8113, 2015, vol. 48, no. 15, 155302., Registrované v: WOS
6. [1.1] ZHANG, Fu-Gang - SHAO, Lian-He - LUO, Yu - LI, Yongming. Ordering states with Tsallis relative alpha-entropies of coherence. In *QUANTUM INFORMATION PROCESSING*. ISSN 1570-0755, 2017, vol. 16, no. 1, UNSP 31., Registrované v: WOS

ADCA1334 ZIMAN, Mário. Incomplete quantum process tomography and principle of maximal entropy. In *Physical Review A*, 2008, vol. 78, no. 3, 032118. (2007: 2.893 - IF, Q1 - JCR, 2.524 - SJR, Q1 - SJR, Current Contents - CCC). (2008 - Current Contents). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.78.032118>

Ohlasy:

1. [1.1] LOSADA, Marcelo - HOLIK, Federico - MASSRI, Cesar - PLASTINO, Angelo. Solutions for the MaxEnt problem with symmetry constraints. In *QUANTUM INFORMATION PROCESSING*. ISSN 1570-0755, 2019, vol. 18, no. 9, 293., Registrované v: WOS
2. [1.1] MUKHAMEDOV, Farrukh - WATANABE, Noboru. On S-mixing entropy of quantum channels. In *QUANTUM INFORMATION PROCESSING*. ISSN 1570-0755, 2018, vol. 17, no. 6, UNSP 148., Registrované v: WOS
3. [1.1] VERDON, Dominic - VICARY, Jamie. Quantum teleportation

with infinite reference-frame uncertainty. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 6, 062306., Registrované v: WOS

ADCA1335 ZIMAN, Mário - ŠTELMACHOVIČ, Peter - BUŽEK, Vladimír. On the local unitary equivalence of states, of multi-partite systems. In *Fortschritte der Physik*, 2001, vol. 49, p. 1123-1131. ISSN 0015-8208. Dostupné na: [https://doi.org/10.1002/1521-3978\(200110\)49:10/11<1123::AID-PROP1123>3.0.CO;2-Q](https://doi.org/10.1002/1521-3978(200110)49:10/11<1123::AID-PROP1123>3.0.CO;2-Q)

Ohlasy:

1. [1.1] TURNER, Jacob - MORTON, Jason. A Complete Set of Invariants for LU-Equivalence of Density Operators. In SYMMETRY INTEGRABILITY AND GEOMETRY-METHODS AND APPLICATIONS. ISSN 1815-0659, 2017, vol. 13, 028., Registrované v: WOS

ADCA1336 ZIMAN, Mário. Process positive-operator-valued measure: A mathematical framework for the description of process tomography experiments. In *Physical Review A*, 2008, vol. 77, no. 6, 062112. (2007: 2.893 - IF, Q1 - JCR, 2.524 - SJR, Q1 - SJR, Current Contents - CCC). (2008 - Current Contents). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.77.062112>

Ohlasy:

1. [1.1] BISIO, Alessandro - PERINOTTI, Paolo. Theoretical framework for higher-order quantum theory. In PROCEEDINGS OF THE ROYAL SOCIETY A-MATHEMATICAL PHYSICAL AND ENGINEERING SCIENCES. ISSN 1364-5021, 2019, vol. 475, no. 2225, 20180706., Registrované v: WOS

2. [1.1] BURNISTON, John - GRABOWECKY, Michael - SCANDOLO, Carlo Maria - CHIRIBELLA, Giulio - GOUR, Gilad. Necessary and sufficient conditions on measurements of quantum channels. In PROCEEDINGS OF THE ROYAL SOCIETY A-MATHEMATICAL PHYSICAL AND ENGINEERING SCIENCES. ISSN 1364-5021, 2020, vol. 476, no. 2236, 20190832., Registrované v: WOS

3. [1.1] FILIPPOV, Sergey N. - HEINOSAARI, Teiko - LEPPAJARVI, Leevi. Necessary condition for incompatibility of observables in general probabilistic theories. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 95, no. 3, 032127., Registrované v: WOS

4. [1.1] CHEN, Senrui - CHITAMBAR, Eric. Entanglement-breaking superchannels. In QUANTUM. ISSN 2521-327X, 2020, vol. 4., Registrované v: WOS

5. [1.1] JENCOVA, Anna - PLAVALA, Martin. Conditions for optimal input states for discrimination of quantum channels. In JOURNAL OF MATHEMATICAL PHYSICS. ISSN 0022-2488, 2016, vol. 57, no. 12, 122203., Registrované v: WOS

6. [1.1] JENCOVA, Anna - PLAVALA, Martin. Conditions on the existence of maximally incompatible two-outcome measurements in general probabilistic theory. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 96, no. 2, 022113., Registrované v: WOS

7. [1.1] JENCOVA, Anna - PLAVALA, Martin. Structure of quantum and classical implementations of the Popescu-Rohrlich box. In PHYSICAL REVIEW A. ISSN 2469-9926, 2020, vol. 102, no. 4, 042208., Registrované v: WOS

8. [1.1] JENCOVA, Anna. Incompatible measurements in a class of general probabilistic theories. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2018, vol. 98, no. 1, 012133., Registrované v: WOS
9. [1.1] JENCOVA, Anna. On the convex structure of process positive operator valued measures. In *JOURNAL OF MATHEMATICAL PHYSICS*. ISSN 0022-2488, 2016, vol. 57, no. 1, 015207., Registrované v: WOS
10. [1.1] KLIESCH, Martin - KUENG, Richard - EISERT, Jens - GROSS, David. Improving Compressed Sensing With the Diamond Norm. In *IEEE TRANSACTIONS ON INFORMATION THEORY*. ISSN 0018-9448, 2016, vol. 62, no. 12, pp. 7445-7463., Registrované v: WOS
11. [1.1] KLIESCH, M. - KUENG, R. - EISERT, J. - GROSS, D. Guaranteed recovery of quantum processes from few measurements. In *QUANTUM*. ISSN 2521-327X, 2019, vol. 3., Registrované v: WOS
12. [1.1] PLAVALA, Martin. Conditions for the compatibility of channels in general probabilistic theory and their connection to steering and Bell nonlocality. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2017, vol. 96, no. 5, 052127., Registrované v: WOS
13. [1.1] SHAARI, Jesni Shamsul - MANCINI, Stefano. Entropic bounds for unitary testers and mutually unbiased unitary bases. In *ANNALS OF PHYSICS*. ISSN 0003-4916, 2020, vol. 412, 168043., Registrované v: WOS
14. [1.1] TRIFANOV, A. I. - TRIFANOVA, E. S. Quantum measurement of photon distribution statistics for intra-cavity EM field monitored by dumping atom-pointer. In *NANOSYSTEMS-PHYSICS CHEMISTRY MATHEMATICS*. ISSN 2220-8054, 2017, vol. 8, no. 4, pp. 447-453., Registrované v: WOS
15. [1.1] TUKIAINEN, Mikko - LYYRA, Henri - SARBICKI, Gniewomir - MANISCALCO, Sabrina. Fidelity of dynamical maps. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2017, vol. 95, no. 5, 052102., Registrované v: WOS
16. [1.1] UOLA, Roope - KRAFT, Tristan - ABBOTT, Alastair A. Quantification of quantum dynamics with input-output games. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2020, vol. 101, no. 5, 052306., Registrované v: WOS
17. [1.1] WOELK, Sabine - SRIARUNOTHAI, Theeraphot - GIRI, Gouri S. - WUNDERLICH, Christof. Distinguishing between statistical and systematic errors in quantum process tomography. In *NEW JOURNAL OF PHYSICS*. ISSN 1367-2630, 2019, vol. 21, 013015., Registrované v: WOS

ADCA1337 ZIMAN, Mário - PLESCH, Martin - BUŽEK, Vladimír - ŠTELMACHOVIČ, Peter. Process reconstruction: From unphysical to physical maps via maximum likelihood. In *Physical Review A*, 2005, vol. 72, no. 2, 022106. ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.72.022106>

Ohlasy:

1. [1.1] AGRESTI, Iris - PODERINI, Davide - CARVACHO, Gonzalo - SARRA, Leopoldo - CHAVES, Rafael - BUSCEMI, Francesco - DALL'ARNO, Michele - SCIARRINO, Fabio. Experimental semi-device-independent tests of quantum channels. In *QUANTUM SCIENCE AND TECHNOLOGY*. ISSN 2058-9565, 2019, vol. 4, no. 3, 035004., Registrované v: WOS
2. [1.1] DUNJKO, Vedran - BRIEGEL, Hans J. Machine learning & artificial intelligence in the quantum domain: a review of recent progress. In

- ADCA1338 ZIMAN, Mário - BUŽEK, Vladimír. Realization of positive-operator-valued measures using measurement-assisted programmable quantum processors. In *Physical Review A*, 2005, vol. 72, no. 2, 022343. ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.72.022343>
Ohlasy:
1. [1.1] HEINOSAARI, Teiko - TUKIAINEN, Mikko. Notes on deterministic programming of quantum observables and channels. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2015, vol. 14, no. 8, pp. 3097., Registrované v: WOS
 2. [1.1] HEINOSAARI, Teiko - MIYADERA, Takayuki - TUKIAINEN, Mikko. Limitations on post-processing assisted quantum programming. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2017, vol. 16, no. 3, UNSP 85., Registrované v: WOS
 3. [1.1] CHABAUD, Ulysse - DIAMANTI, Eleni - MARKHAM, Damian - KASHEFI, Elham - JOUX, Antoine. Optimal quantum-programmable projective measurement with linear optics. In PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 98, no. 6, 062318., Registrované v: WOS
 4. [1.1] CHANG, Li-Wei - ZHENG, Shi-Hui - GU, Li-Ze - JIN, Lei - YANG, Yi-Xian. Multiparty-controlled Joint Remote Preparation of an Arbitrary Four-qubit Cluster-type State via Two Different Entangled Quantum Channels. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2015, vol. 54, no. 8, pp. 2864., Registrované v: WOS
 5. [1.1] SIRSI, Swarnamala - BHARATH, Karthik - SHILPASHREE, S. P. - RAO, H. S. Smitha. POVM construction: A simple recipe with applications to symmetric states. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION. ISSN 0219-7499, 2017, vol. 15, no. 6, 1750042., Registrované v: WOS
- ADCA1339 ZIMAN, Mário - PLESCH, Martin - BUŽEK, Vladimír. Reconstruction of superoperators from incomplete measurements. In *Foundations of Physics*, 2006, vol. 36, p. 127-156. (2005: 0.905 - IF, Q3 - JCR, 0.675 - SJR, Q2 - SJR). ISSN 0015-9018.
Ohlasy:
1. [1.1] MILZ, Simon - POLLOCK, Felix A. - MODI, Kavan. Reconstructing non-Markovian quantum dynamics with limited control. In PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 98, no. 1, 012108., Registrované v: WOS
- ADCA1340 ZIMAN, Mário - ŠTELMACHOVIČ, Peter - BUŽEK, Vladimír. Saturation of Coffman-Kundu-Wootters inequalities via quantum homogenization. In *Journal of Optics B: Quantum and Semiclassical Optics*, 2003, vol. 5, no. 3, s439-S441. ISSN 1464-4266. Dostupné na: <https://doi.org/10.1088/1464-4266/5/3/383>
Ohlasy:
1. [1.1] LATUNE, C. L. - SINAYSKIY, I - PETRUCCIONE, F. Apparent temperature: demystifying the relation between quantum coherence,

correlations, and heat flows. In QUANTUM SCIENCE AND TECHNOLOGY. ISSN 2058-9565, 2019, vol. 4, no. 2, 025005., Registrované v: WOS

ADCA1341 ZIMAN, Mário - SEDLÁK, Michal. Single-shot discrimination of quantum unitary processes. In *Journal of Modern Optics*, 2010, vol. 57, no. 3, p. 253-259. (2009: 0.942 - IF, Q3 - JCR, 0.638 - SJR, Q2 - SJR, Current Contents - CCC). (2010 - Current Contents). ISSN 0950-0340. Dostupné na: <https://doi.org/10.1080/09500340903349963>

Ohlasy:

1. [1.1] TUKIAINEN, Mikko - LYYRA, Henri - SARBICKI, Gniewomir - MANISCALCO, Sabrina. Fidelity of dynamical maps. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 95, no. 5, 052102., Registrované v: WOS

ADCA1342 ZIMAN, Mário - SEDLÁK, Michal. Single-shot discrimination of quantum unitary processes. In *Journal of Modern Optics*, 2010, vol. 57, no. 3, p. 253-259. (2009: 0.942 - IF, Q3 - JCR, 0.638 - SJR, Q2 - SJR, Current Contents - CCC). (2010 - Current Contents). ISSN 0950-0340. Dostupné na: <https://doi.org/10.1080/09500340903349963>

Ohlasy:

1. [1.1] KAWACHI, Akinori - KAWANO, Kenichi - LE GALL, Francois - TAMAKI, Suguru. Quantum Query Complexity of Unitary Operator Discrimination. In IEICE TRANSACTIONS ON INFORMATION AND SYSTEMS. ISSN 1745-1361, 2019, vol. E102D, no. 3, pp. 483-491., Registrované v: WOS

2. [1.1] KOUDIA, Seid - GHARBI, Abdelhakim. Superposition of causal orders for quantum discrimination of quantum processes. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION. ISSN 0219-7499, 2019, vol. 17, no. 7, 1950055., Registrované v: WOS

ADCA1343 ZIPILLI, S. - GRAJCAR, Miroslav - ILICHEV, E. - ILLUMINATI, F. Simulating long-distance entanglement in quantum spin chains by superconducting flux qubits. In *Physical Review A*, 2015, vol. 91, no. 2, 022315. (2014: 2.808 - IF, Q1 - JCR, 2.201 - SJR, Q1 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.91.022315>

Ohlasy:

1. [1.1] ALMEIDA, Guilherme M. A. - LYRA, Marcelo L. - DE MOURA, Francisco A. B. F. Transmission of quantum states through disordered channels with dimerized defects. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2019, vol. 18, no. 11, 350., Registrované v: WOS

2. [1.1] CEREZO, M. - ROSSIGNOLI, R. - CANOSA, N. Factorization in spin systems under general fields and separable ground-state engineering. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 94, no. 4, 042335., Registrované v: WOS

3. [1.1] DHAR, Himadri Shekhar - RAKSHIT, Debraj - SEN (DE), Aditi - SEN, Ujjwal. Adiabatic freezing of long-range quantum correlations in spin chains. In EPL. ISSN 0295-5075, 2016, vol. 114, no. 6, 60007., Registrované v: WOS

4. [1.1] GIAMPAOLO, S. M. - HIESMAYR, B. C. - ILLUMINATI, F. Global-to-local incompatibility, monogamy of entanglement, and ground-state dimerization: Theory and observability of quantum frustration in systems with competing interactions. In PHYSICAL REVIEW B. ISSN 2469-9950, 2015, vol. 92, no. 14, 144406., Registrované v: WOS
5. [1.1] GREENBERG, Ya. S. - SHTYGASHEV, A. A. Non-Hermitian Hamiltonian approach to the microwave transmission through a one-dimensional qubit chain. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 92, no. 6, 063835., Registrované v: WOS
6. [1.1] LI, De-Jun. Intrinsic Localized Modes in Quantum Ferromagnetic XXZ Chains in an Oblique Magnetic Field. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2016, vol. 55, no. 2, pp. 1201-1210., Registrované v: WOS
7. [1.1] MEI, Feng - CHEN, Gang - TIAN, Lin - ZHU, Shi-Liang - JIA, Suotang. Robust quantum state transfer via topological edge states in superconducting qubit chains. In PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 98, no. 1, 012331., Registrované v: WOS
8. [1.1] SAWERWAIN, Marek - WISNIEWSKA, Joanna. The Entanglement Level and the Detection of Quantum Data Transfer Correctness in Short Qutrit Spin Chains. In WIRELESS PERSONAL COMMUNICATIONS. ISSN 0929-6212, 2017, vol. 96, no. 4, pp. 5437-5452., Registrované v: WOS
9. [1.1] WENDENBAUM, Pierre - PLATINI, Thierry - KAREVSKI, Dragi. Entanglement replication via quantum repeated interactions. In PHYSICAL REVIEW A. ISSN 2469-9926, 2015, vol. 91, no. 4, 040303., Registrované v: WOS
10. [1.1] WENDIN, G. Quantum information processing with superconducting circuits: a review. In REPORTS ON PROGRESS IN PHYSICS. ISSN 0034-4885, 2017, vol. 80, no. 10, 106001., Registrované v: WOS

ADCA1344 ZRUBCOVÁ, J. - KRIŠTIAK, Jozef - PEDERSEN, W.B. - PEDERSEN, N.J. - ELDRUP, M. Light Effects on Positronium in Polymers. In *Materials Science Forum*, 2001, vol. 360-362, p. 359-361. (2000: 0.597 - IF).

Ohlasy:

1. [1.1] EL-GAMAL, S. - ABDALLA, Ayman M. - ABDEL-HADY, E. E. Dependence of alpha particle track diameter on the free volume holes size using positron annihilation lifetime technique. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS. ISSN 0168-583X, 2015, vol. 359, pp. 155., Registrované v: WOS

ADCA1345 ŽEMLIČKA, M. - NEILINGER, Pavol - TRGALA, M. - REHÁK, M. - MANCA, Daniel - GRAJCAR, Miroslav - SZABÓ, Pavol - SAMUELY, Peter - GAŽI, Štefan - HÜBNER, U. - VINOKUROV, V. M. - ILICHEV, E.V. Finite quasiparticle lifetime in disordered superconductors. In *Physical Review B*, 2015, vol. 92, no. 22, 224506. (2014: 3.736 - IF, Q1 - JCR, 0.123 - SJR, Q4 - SJR, Current Contents - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.92.224506>

Ohlasy:

1. [1.1] BASSET, J. - WATFA, D. - AIELLO, G. - FECHANT, M. - MORVAN, A. - ESTEVE, J. - GABELLI, J. - APRILI, M. - WEIL, R. -

- KASUMOV, A. - BOUCHIAT, H. - DEBLOCK, R. High kinetic inductance microwave resonators made by He-Beam assisted deposition of tungsten nanowires. In APPLIED PHYSICS LETTERS. ISSN 0003-6951, 2019, vol. 114, no. 10, art. no. 102601., Registrované v: WOS
2. [1.1] BLIEN, S. - GOETZ, K. J. G. - STILLER, P. L. - MAYER, T. - HUBER, T. - VAVRA, O. - HUETTEL, A. K. Towards carbon nanotube growth into superconducting microwave resonator geometries. In PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS. ISSN 0370-1972, 2016, vol. 253, no. 12, pp. 2385-2390., Registrované v: WOS
3. [1.1] GEDEON, Habakubaho - ZHANG, Zongyuan - SHAO, Zhibin - XU, Chuan - SUN, Haigen - LI, Shaojian - CAO, Yan - CHENG, Zhengwang - ZHANG, Xin - BIAN, Qi - LIU, Zhibo - CHENG, Hui-Ming - REN, Wencai - PAN, Minghu. Defect and interlayer coupling tuned quasiparticle scattering in 2D disordered Mo₂C superconducting microcrystals. In JOURNAL OF PHYSICS D-APPLIED PHYSICS. ISSN 0022-3727, 2020, vol. 53, no. 43, 434002., Registrované v: WOS
4. [1.1] HERMAN, F. - HLUBINA, R. In PHYSICAL REVIEW B. JUL 12 2017, vol. 96, no. 1., Registrované v: WOS
5. [1.1] KAPRIA, P. - BASU, S. In EUROPEAN PHYSICAL JOURNAL B. FEB 13 2017, vol. 90, no. 2., Registrované v: WOS
6. [1.1] KAPRI, P. - ADHIKARY, P. - SINHA, S. - BASU, S. Controlled thermoelectric response of a tunable Rashba coupled metal-insulator-superconductor junction. In PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES. MAY 2018, vol. 99, p. 67-74., Registrované v: WOS
7. [1.1] KAPRI, P. - BASU, S. Tunneling conductance oscillations in spin-orbit coupled metal insulator superconductor junctions. In EUROPEAN PHYSICAL JOURNAL B. JAN 17 2018, vol. 91, no. 1., Registrované v: WOS
8. [1.1] KAPRI, P. - BASU, S. Tunable refrigeration properties of nano-scale Rashba coupled junction devices. In PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES. SEP 2018, vol. 103, p. 383-390., Registrované v: WOS
9. [1.1] MACCARI, I - BENFATTO, L. - CASTELLANI, C. Disordered XY model: Effective medium theory and beyond. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 99, no. 10, art. no. 104509., Registrované v: WOS
10. [1.1] MAUSKOPF, P.D. Transition Edge Sensors and Kinetic Inductance Detectors in Astronomical Instruments. In PUBLICATIONS OF THE ASTRONOMICAL SOCIETY OF THE PACIFIC. AUG 2018, vol. 130, no. 990., Registrované v: WOS
11. [1.1] PELTONEN, J. T. - PENG, Z. H. - KORNEEVA, Yu. P. - VORONOV, B. M. - KORNEEV, A. A. - SEMENOV, A. V. - GOL'TSMAN, G. N. - TSAI, J. S. - ASTAFIEV, O. V. Coherent dynamics and decoherence in a superconducting weak link. In PHYSICAL REVIEW B. ISSN 2469-9950, 2016, vol. 94, no. 18., Registrované v: WOS
12. [1.1] PRACHT, U.S. - CEA, T. - BACHAR, N. - DEUTSCHER, G. - FARBER, E. - DRESSEL, M. - SCHEFFLER, M. - CASTELLANI, C. - GARCIA-GARCIA, A.M. - BENFATTO, L. In PHYSICAL REVIEW B. SEP 15 2017, vol. 96, no. 9., Registrované v: WOS
13. [1.1] SEIBOLD, G. - BENFATTO, L. - CASTELLANI, C. In

PHYSICAL REVIEW B. OCT 11 2017, vol. 96, no. 14., Registrované v: WOS
 14. [1.1] SIMMENDINGER, Julian - PRACHT, Uwe S. - DASCHKE, Lena - PROSLIER, Thomas - KLUG, Jeffrey A. - DRESSEL, Martin - SCHEFFLER, Marc. Superconducting energy scales and anomalous dissipative conductivity in thin films of molybdenum nitride. In PHYSICAL REVIEW B. ISSN 2469-9950, 2016, vol. 94, no. 6., Registrované v: WOS
 15. [1.1] ZOBRIST, Nicholas - COIFFARD, Gregoire - BUMBLE, Bruce - SWIMMER, Noah - STEIGER, Sarah - DAAL, Miguel - COLLURA, Giulia - WALTER, Alex B. - BOCKSTIEGEL, Clint - FRUITWALA, Neelay - LIPARTITO, Isabel - MAZIN, Benjamin A. Design and performance of hafnium optical and near-IR kinetic inductance detectors. In APPLIED PHYSICS LETTERS. ISSN 0003-6951, 2019, vol. 115, no. 21, art. no. 213503., Registrované v: WOS

ADCA1346 ŽIVOTSKÝ, Ondřej** - BURŠÍK, Jiří - JANIČKOVIČ, Dušan - TITOV, Andrii - JIRÁSKOVÁ, Yvonna. Low-temperature magnetic transitions in Fe₂MnSi Heusler alloys prepared in bulk and ribbon form. In *Journal of Magnetism and Magnetic Materials*, 2019, vol. 475, p. 5-9. (2018: 2.683 - IF, Q2 - JCR, 0.680 - SJR, Q2 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 0304-8853. Dostupné na: <https://doi.org/10.1016/j.jmmm.2018.11.113>

Ohlasy:

1. [1.1] MENG, Fanbin - LIU, Shuang - SUN, Kaichen - GAO, Ruirui - SHI, Xiangyu - LUO, Hongzhi. Magnetization enhancement in B-doped Heusler alloys Fe₂MnSi_{1-x}B_x (x=0-0.4). In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2020, vol. 514, 167161., Registrované v: WOS

ADCA1347 ŽIVOTSKÝ, O. - TITOV, A. - JIRÁSKOVÁ, Y. - BURŠÍK, J.Y. - KALBÁČOVÁ, J. - ŠVEC, Peter. Full-scale magnetic, microstructural, and physical properties of bilayered CoSiB/FeSiB ribbons. In *Journal of Alloys and Compounds*, 2013, vol. 581, p. 685-692. (2012: 2.390 - IF, Q1 - JCR, 1.246 - SJR, Q1 - SJR, Current Contents - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 0925-8388. Dostupné na: <https://doi.org/10.1016/j.jallcom.2013.07.126>

Ohlasy:

1. [1.1] FROEMEL, Joerg - AKITA, Satoru - TANAKA, Shuji. Simple Device to Measure Pressure Using the Stress Impedance Effect of Amorphous Soft Magnetic Thin Film. In MICROMACHINES, 2020, vol. 11, no. 7, 649., Registrované v: WOS
 2. [1.1] ZHOU JIALI - KONG DEJUN. Corrosion wear and electrochemical corrosion behaviors of laser cladded amorphous FeSiB coating in 3.5% NaCl solution. In MATERIALS RESEARCH EXPRESS. ISSN 2053-1591, 2019, vol. 6, no. 3, 035203., Registrované v: WOS

ADCA1348 ŽIVOTSKÝ, O. - POSTAVA, K. - KRAUS, L. - JIRÁSKOVÁ, Y. - JURASZEK, J. - TEILLET, J. - BARČOVÁ, K. - ŠVEC, Peter - JANIČKOVIČ, Dušan - PIŠTORA, J. Surface and bulk magnetic properties of as-quenched FeNbB ribbons. In *Journal of Magnetism and Magnetic Materials*, 2008, vol. 320, no. 8, p. 1535-1540. (2007: 1.704 - IF, Q2 - JCR, 0.711 - SJR, Q2 - SJR, Current Contents -

CCC). (2008 - Current Contents, SCOPUS). ISSN 0304-8853. Dostupné na:
<https://doi.org/10.1016/j.jmmm.2008.01.003>

Ohlasy:

1. [1.1] MCCORD, Jeffrey. Progress in magnetic domain observation by advanced magneto-optical microscopy. In JOURNAL OF PHYSICS D-APPLIED PHYSICS. ISSN 0022-3727, 2015, vol. 48, no. 33, 333001., Registrované v: WOS
2. [1.1] MIAO, Pei-Xian - ZHENG, Wen-Qiang - YANG, Shi-Yu - WU, Bin - CHENG, Bing - TU, Jian-Hui - KE, Hong-Liang - YANG, Wei - WANG, Ji - CUI, Jing-Zhong - LIN, Qiang. Wide-range and self-locking atomic magnetometer based on free spin precession. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS. ISSN 0740-3224, 2019, vol. 36, no. 4, pp. 819-828., Registrované v: WOS
3. [1.1] PRABHAKARAN, T. - MANGALARAJA, R. V. - DENARDIN, Juliano C. - UDAYABHASKAR, R. - VARAPRASAD, K. - MANSILLA, H. D. - CONTRERAS, David. Studies on the functional properties of free-standing polyvinyl alcohol/(CoFe₂O₄/CoFe₂) composite films. In MATERIALS SCIENCE AND ENGINEERING B-ADVANCED FUNCTIONAL SOLID-STATE MATERIALS. ISSN 0921-5107, 2017, vol. 226, pp. 211-222., Registrované v: WOS
4. [1.1] ZHENG WENQIANG - BI XIN - ZHANG GUOYI - SU SHENGRAN - LI JINGSONG - LIN QIANG. Experimental Demonstration of Light Narrowing Effect Based on Free Atomic Spin Precession. In CHINESE JOURNAL OF LASERS-ZHONGGUO JIGUANG. ISSN 0258-7025, 2020, vol. 47, no. 3, 0304001., Registrované v: WOS

ADCA1349 ŽIVOTSKÝ, O. - HENDRYCH, A. - KLIMŠA, L. - JIRÁSKOVÁ, Y. - BURŠÍK, J. - GÓMÉZ, J.A.M. - JANIČKOVIČ, Dušan. Surface microstructure and magnetic behavior in FeSiB amorphous ribbons from magneto-optical Kerr effect. In *Journal of Magnetism and Magnetic Materials*, 2012, vol. 324, no. 4, p. 569-577. (2011: 1.780 - IF, Q2 - JCR, 1.070 - SJR, Q1 - SJR, Current Contents - CCC). (2012 - Current Contents). ISSN 0304-8853. Dostupné na:
<https://doi.org/10.1016/j.jmmm.2011.08.037>

Ohlasy:

1. [1.1] BLAZQUEZ, J. S. - MARCIN, J. - ANDREJKA, F. - FRANCO, V. - CONDE, A. - SKORVANEK, I. Study of the Induced Anisotropy in Field Annealed Hitperm Alloys by Mossbauer Spectroscopy and Kerr Microscopy. In METALLURGICAL AND MATERIALS TRANSACTIONS A-PHYSICAL METALLURGY AND MATERIALS SCIENCE. ISSN 1073-5623, 2016, vol. 47A, no. 8, pp. 4301-4305., Registrované v: WOS
2. [1.1] POPERENKO, Leonid - LOPATYNSKA, Olga G. - YURGELEVYCH, Iryna. Influence of elastically-stressed state on polarization and electronic characteristics of amorphous ribbons. In FOURTEENTH INTERNATIONAL CONFERENCE ON CORRELATION OPTICS. ISSN 0277-786X, 2020, vol. 11369, UNSP 1136907., Registrované v: WOS
3. [1.1] SHENG, Z. H. - PANG, J. - WANG, X. - WEN, K. - GUO, L. Y. - KIM, K. B. - WANG, W. M. Anisotropic magnetization improvement in Fe₇₈Si₉B₁₃ glass with direct current heating. In JOURNAL OF NON-CRYSTALLINE SOLIDS. ISSN 0022-3093, 2016, vol. 448, pp. 83-88., Registrované v: WOS

ADCB Scientific papers in foreign journals registered in Current Contents Connect without IF (non-impacted)

ADCB01 MORHÁČ, Miroslav - MATOUŠEK, Vladislav. Data compression using new fast adaptive Cosine-Haar transforms. In *Digital Signal Processing*, 1998, vol. 8, no. 2, p. 63-81. ISSN 1051-2004.

Ohlasy:

1. [1.1] PUCHALA, D. - YATSYMIRSKYY, M. M. Joint compression and encryption of visual data using orthogonal parametric transforms. In BULLETIN OF THE POLISH ACADEMY OF SCIENCES-TECHNICAL SCIENCES. ISSN 0239-7528, 2016, vol. 64, no. 2, pp. 373-382., Registrované v: WOS

ADCB02 SCHNEIDER, Lucas - STEINBRECHER, Manuel - RÓZSA, Levente - BOUAZIZ, Juba - PALOTÁS, Krisztián - DOS SANTOS DIAS, Manuel - LOUNIS, Samir - WIEBE, Jens** - WIESENDANGER, Roland. Magnetism and in-gap states of 3d transition metal atoms on superconducting Re. In *npj Quantum Materials*, 2019, vol. 4, art. no. 42. ISSN 2397-4648. Dostupné na: <https://doi.org/10.1038/s41535-019-0179-7>

Ohlasy:

1. [1.1] ODOBESKO, Artem - DI SANTE, Domenico - KOWALSKI, Alexander - WILFERT, Stefan - FRIEDRICH, Felix - THOMALE, Ronny - SANGIOVANNI, Giorgio - BODE, Matthias. Observation of tunable single-atom Yu-Shiba-Rusinov states. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 102, no. 17, 174504., Registrované v: WOS

2. [1.1] PETERS, Olof - BOGDANOFF, Nils - ACERO GONZALEZ, Sergio - MELISCHEK, Larissa - SIMON, J. Rika - REECHT, Gael - WINKELMANN, Clemens B. - VON OPPEN, Felix - FRANKE, Katharina J. Resonant Andreev reflections probed by photon-assisted tunnelling at the atomic scale. In NATURE PHYSICS. ISSN 1745-2473, 2020, vol. 16, no. 12., Registrované v: WOS

3. [1.1] VILLAS, A. - KLEES, R. L. - HUANG, H. - AST, C. R. - RASTELLI, G. - BELZIG, W. - CUEVAS, J. C. Interplay between Yu-Shiba-Rusinov states and multiple Andreev reflections. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 101, no. 23, 235445., Registrované v: WOS

ADD ADD

ADD01 JERGEL, Matej - MIKULIK, P. - MAJKOVÁ, Eva - PINČÍK, Emil - LUBY, Štefan - BRUNEL, M. - HUDEK, Peter - KOSTIČ, Ivan. Multilayer gratings for X-UV optics. In *Acta Physica Slovaca*, 2000, vol. 50, p. 427-438. (2000 - Current Contents). ISSN 0323-0465.

Ohlasy:

1. [3.1] DAVID, C. - STAMPANONI, M. Method for X-ray phase contrast and dark-field imaging using an arrangement of gratings in planar geometry. May 19, 2015, United States Patent No. 9036773 B2.

ADDA Scientific papers in domestic journals registered in Current Contents Connect with IF (impacted)

- ADDA01 BAJNOK, Z. - ŠAMAJ, Ladislav. Introduction to integrable many-body systems III. In *Acta Physica Slovaca*, 2011, vol. 61, no. 2, p. 129-271. (2010: 3.250 - IF, Q1 - JCR, 5.162 - SJR, Q1 - SJR). (2011 - WOS, SCOPUS). ISSN 0323-0465. Dostupné na: <https://doi.org/10.2478/v10155-011-0002-x>
 Ohlasy:
 1. [1.1] PALDUS, Josef - SAKO, Tokuei - DIERCKSEN, Geerd H. F. On the cluster structure of linear-chain fermionic wave functions. In *JOURNAL OF MATHEMATICAL CHEMISTRY*. ISSN 0259-9791, 2015, vol. 53, no. 2, pp. 629-650., Registrované v: WOS
- ADDA02 BERONSKÁ, Nad'a** - OPÁLEK, Andrej - NAGY, Štefan - DVORÁK, Tomáš - ŠVANTNER, Tomáš - ŠVEC, Peter - ŠTEFÁNIK, Pavol - IŽDINSKÝ, Karol. Microstructure and thermal stability of ZrB₂ powder infiltrated by molten Cu and CuCr1Zr alloy. In *Kovové materiály*, 2019, vol. 57, no. 2, p. 95-103. (2018: 0.593 - IF, Q4 - JCR, 0.257 - SJR, Q3 - SJR, Current Contents - CCC). (2019 - Current Contents). ISSN 0023-432X. Dostupné na: https://doi.org/10.4149/km_2019_1_95
 Ohlasy:
 1. [1.1] FAN, Xiaoliang - HUANG, Xiaowei - LIU, Qing - DING, Haimin - WANG, Huiqiang - HAO, Ce. The microstructures and properties of in-situ ZrB₂ reinforced Cu matrix composites. In *RESULTS IN PHYSICS*. ISSN 2211-3797, 2019, vol. 14, 102494., Registrované v: WOS
- ADDA03 BOHÁČ, Vlastimil - DIEŠKA, P. - VRETENÁR, Viliam - GREIF, V. Model for cuboid shape samples and its analysis used for measurements of thermophysical properties of sandstone. In *Measurement Science Review*, 2011, vol. 11, no. 6, p. 192-197. (2010: 0.400 - IF, Q4 - JCR, 0.209 - SJR, Q3 - SJR). (2011 - WOS, SCOPUS). ISSN 1335-8871. Dostupné na: <https://doi.org/10.2478/v10048-011-0032-z>
 Ohlasy:
 1. [1.1] KUSNEROVA, Milena - VALICEK, Jan - HARNICAROVA, Marta - KMEC, Jan - REPKA, Michal - DANIEL, Roman - PANDA, Anton - PALKOVA, Zuzana. The Combined Relative Uncertainty of Measurement Results by Prototype Semi-Automated Calorimetric Chamber. In *MEASUREMENT SCIENCE REVIEW*. ISSN 1335-8871, 2019, vol. 19, no. 2, pp. 53-60., Registrované v: WOS
 2. [1.1] ZHENG, Yelong - SONG, Le - HU, Gang - CAI, Xue - LIU, Hongguang - MA, Jinyu - ZHAO, Meirong - FANG, Fengzhou. The multi-position calibration of the stiffness for atomic-force microscope cantilevers based on vibration. In *MEASUREMENT SCIENCE AND TECHNOLOGY*. ISSN 0957-0233, 2015, vol. 26, no. 5, 055001., Registrované v: WOS
- ADDA04 BUŽEK, Vladimír - HILLERY, M. - BEDNIK, R. Controlling the flow of information in quantum cloners: Asymmetric cloning. In *Acta Physica Slovaca*, 1998, vol. 48, no. 3, p. 177-184. (1998 - Current Contents, WOS, SCOPUS). ISSN 0323-0465.
 Ohlasy:
 1. [1.1] HASHAGEN, Anna-Lena. UNIVERSAL ASYMMETRIC QUANTUM CLONING REVISITED. In *QUANTUM INFORMATION & COMPUTATION*. ISSN 1533-7146, 2017, vol. 17, no. 9-10, pp. 747-778.,

Registrované v: WOS

2. [1.1] LUO, Ming-Xing - LI, Hui-Ran - LAI, Hong - WANG, Xiaojun. Unified quantum no-go theorems and transforming of quantum pure states in a restricted set. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2017, vol. 16, no. 12, UNSP 297., Registrované v: WOS

ADDA05 DUBNIČKA, Stanislav - DUBNIČKOVÁ, A.Z. Analyticity in a phenomenology of electro-weak structure of radrons. In *Acta Physica Slovaca*, 2010, vol. 60, no. 1, p. 1-153. (2009: 7.455 - IF, 1.080 - SJR, Q2 - SJR). (2010 - WOS, SCOPUS). ISSN 0323-0465.

Ohlasy:

1. [1.1] DAI, L. R. - PAVAO, R. - SAKAI, S. - OSET, E. $\tau(-) \rightarrow \nu \tau M1M2$, with M-1, M-2 pseudoscalar or vector mesons. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2019, vol. 55, no. 2, 20., Registrované v: WOS
2. [1.1] VOLKOV, M. K. - PIVOVAROV, A. A. The decay $\tau \rightarrow K-0 K-V \tau(-)$ in the extended Nambu-Jona-Lasinio model. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2016, vol. 31, no. 23, 1650138., Registrované v: WOS
3. [1.2] VOLKOV, M. K. - ARBUZOV, A. B. Meson production processes in electron-positron collisions and tau-lepton decays within the extended Nambu Jona-Lasinio model. In Physics-Uspekhi. ISSN 10637869, 2017, vol. 60, no. 7, pp. 643-666., Registrované v: SCOPUS
4. [1.2] VOLKOV, M. K. - PIVOVAROV, A. A. $\tau \rightarrow (\pi^{sup0/sup, \eta, \eta', K^{sup0/sup})K^{sup-}/sup \nu_{inf \tau}/inf$ decays in the extended Nambu-Jona-Lasinio model. In Physics of Particles and Nuclei. ISSN 10637796, 2017, vol. 48, no. 6, pp. 871-872., Registrované v: SCOPUS

ADDA06 FABIAN, J. - MATOS-ABIAGUE, A. - ERTLER, C. - STAŇO, Peter - ZITIC, I. Semiconductor spintronics. In *Acta Physica Slovaca*, 2007, vol. 57, no. 4-5, p. 565-907. (2006: 0.647 - IF, Q3 - JCR, 0.188 - SJR, Q4 - SJR). (2007 - SCOPUS). ISSN 0323-0465.

Ohlasy:

1. [1.1] AKIHO, Takafumi - YAMAMOTO, Masafumi - UEMURA, Tetsuya. Investigation of spin lifetime in strained $\text{In}_x\text{Ga}_{1-x}\text{As}$ channels through all-electrical spin injection and detection. In APPLIED PHYSICS EXPRESS. ISSN 1882-0778, 2015, vol. 8, no. 9, 093001., Registrované v: WOS
2. [1.1] ALAWEIN, Meshal - FARIBORZI, Hossein. Improved Circuit Model for All-Spin Logic. In Proceedings of the 2016 IEEE/ACM International Symposium on Nanoscale Architectures (NANOARCH). ISSN 2327-8218, 2016, pp. 135-140., Registrované v: WOS
3. [1.1] ALOMAR, M. I. - SERRA, Llorenc - SANCHEZ, David. Seebeck effects in two-dimensional spin transistors. In PHYSICAL REVIEW B. ISSN 2469-9950, 2015, vol. 91, no. 7, 075418., Registrované v: WOS
4. [1.1] ALOMAR, M. I. - SERRA, Llorenc - SANCHEZ, David. Interplay between resonant tunneling and spin precession oscillations in all-electric all-semiconductor spin transistors. In PHYSICAL REVIEW B. ISSN 2469-9950, 2016, vol. 94, no. 7, 075402., Registrované v: WOS
5. [1.1] BODA, Aalu - KUMAR, D. Sanjeev - MUKHOPADHYAY, Soma - CHATTERJEE, Ashok. Effect of Rashba spin-orbit interaction on the

ground state energy of a hydrogenic D-0 complex in a Gaussian quantum dot. In PROCEEDINGS OF THE 59TH DAE SOLID STATE PHYSICS SYMPOSIUM 2014 (SOLID STATE PHYSICS). ISSN 0094-243X, 2015, vol. 1665, 120035., Registrované v: WOS

6. [1.1] BROCKDORF, Kathleen - VISHAL, Kumar - ZHUANG, Yan. Neighboring-Metallic-Layer-Induced Nonreciprocal Wave Propagation in a Thin Metallic Ferromagnetic Film. In IEEE TRANSACTIONS ON COMPONENTS PACKAGING AND MANUFACTURING TECHNOLOGY. ISSN 2156-3950, 2016, vol. 6, no. 8, pp. 1245-1250., Registrované v: WOS

7. [1.1] BUSS, J. H. - SCHUPP, T. - AS, D. J. - BRANDT, O. - HAEGELE, D. - RUDOLPH, J. Electron spin dynamics in cubic GaN. In PHYSICAL REVIEW B. ISSN 2469-9950, 2016, vol. 94, no. 23, 235202., Registrované v: WOS

8. [1.1] CIORGA, M. Electrical spin injection and detection in high mobility 2DEG systems. In JOURNAL OF PHYSICS-CONDENSED MATTER. ISSN 0953-8984, 2016, vol. 28, no. 45, 453003., Registrované v: WOS

9. [1.1] CORNELISSEN, L. J. - LIU, J. - DUINE, R. A. - BEN YOUSSEF, J. - VAN WEES, B. J. Long-distance transport of magnon spin information in a magnetic insulator at room temperature. In NATURE PHYSICS. ISSN 1745-2473, 2015, vol. 11, no. 12, pp. 1022., Registrované v: WOS

10. [1.1] CRESTI, A. - NIKOLIC, B. K. - GARCIA, J. H. - ROCHE, S. Charge, spin and valley Hall effects in disordered graphene. In RIVISTA DEL NUOVO CIMENTO. ISSN 0393-697X, 2016, vol. 39, no. 12, pp. 587-667., Registrované v: WOS

11. [1.1] DE JONG, Michel P. Recent progress in organic spintronics. In OPEN PHYSICS. ISSN 2391-5471, 2016, vol. 14, no. 1, pp. 337-353., Registrované v: WOS

12. [1.1] DEVKOTA, Jagannath - GENG, Rugang - SUBEDI, Ram Chandra - THO DUC NGUYEN. Organic Spin Valves: A Review. In ADVANCED FUNCTIONAL MATERIALS. ISSN 1616-301X, 2016, vol. 26, no. 22, pp. 3881-3898., Registrované v: WOS

13. [1.1] DROEGELER, Marc - FRANZEN, Christopher - VOLMER, Frank - POHLMANN, Tobias - BANSZERUS, Luca - WOLTER, Maik - WATANABE, Kenji - TANIGUCHI, Takashi - STAMPFER, Christoph - BESCHOTEN, Bernd. Spin Lifetimes Exceeding 12 ns in Graphene Nonlocal Spin Valve Devices. In NANO LETTERS. ISSN 1530-6984, 2016, vol. 16, no. 6, pp. 3533-3539., Registrované v: WOS

14. [1.1] EREMKO, Alexander - BRIZHIK, Larissa - LOKTEV, Vadim. Spin eigen-states of Dirac equation for quasi-two-dimensional electrons. In ANNALS OF PHYSICS. ISSN 0003-4916, 2015, vol. 361, no., pp. 423., Registrované v: WOS

15. [1.1] EREMKO, Alexander - BRIZHIK, Larissa - LOKTEV, Vadim. General solution of the Dirac equation for quasi-two-dimensional electrons. In ANNALS OF PHYSICS. ISSN 0003-4916, 2016, vol. 369, no., pp. 85-101., Registrované v: WOS

16. [1.1] FANG, Henan - XIAO, Mingwen - RUI, Wenbin - DU, Jun - TAO, Zhikuo. Magnetic coherent tunnel junctions with periodic grating barrier. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2016, vol. 6, 24300., Registrované v: WOS

17. [1.1] FERRARI, Andrea C. et al. Science and technology roadmap. In

- NANOSCALE, 2015, vol. 7, NO. 11, p. 4598-4810., Registrované v: WOS
18. [1.1] FLESZAR, Andrzej - HANKE, Werner. Two-Dimensional Metallicity with a Large Spin-Orbit Splitting: DFT Calculations of the Atomic, Electronic, and Spin Structures of the Au/Ge(111)-(root 3 x root 3)R30 degrees Surface. In ADVANCES IN CONDENSED MATTER PHYSICS. ISSN 1687-8108, 2015, 531498., Registrované v: WOS
19. [1.1] FU, X. - GAO, H. X. Spin transport for a quantum wire with coexistence of Rashba and Dresselhaus spin-orbit coupling in quantum wire and two leads. In INDIAN JOURNAL OF PHYSICS. ISSN 0973-1458, 2016, vol. 90, no. 2, pp. 163-171., Registrované v: WOS
20. [1.1] GENG, Rugang - DAUGHERTY, Timothy Tyler - DO, Kevin - LUONG, Hoang Mai - THO DUC NGUYEN. A review on organic spintronic materials and devices: I. Magnetic field effect on organic light emitting diodes. In JOURNAL OF SCIENCE-ADVANCED MATERIALS AND DEVICES. ISSN 2468-2284, 2016, vol. 1, no. 2, pp. 128-140., Registrované v: WOS
21. [1.1] CHAINAIS-HILLAIRET, Claire - JUENGEL, Ansgar - SHPARTKO, Polina. A finite-volume scheme for a spinorial matrix drift-diffusion model for semiconductors. In NUMERICAL METHODS FOR PARTIAL DIFFERENTIAL EQUATIONS. ISSN 0749-159X, 2016, vol. 32, no. 3, pp. 819-846., Registrované v: WOS
22. [1.1] IDZUCHI, Hiroshi - FUKUMA, Yasuhiro - OTANI, YoshiChika. Spin transport in non-magnetic nano-structures induced by non-local spin injection. In PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES. ISSN 1386-9477, 2015, vol. 68, no., pp. 239., Registrované v: WOS
23. [1.1] INGLA-AYNES, J. In PHYSICAL REVIEW B, 2015, vol. 92, 201410R., Registrované v: WOS
24. [1.1] JUENGEL, Ansgar - NEGULESCU, Claudia - SHPARTKO, Polina. Bounded weak solutions to a matrix drift-diffusion model for spin-coherent electron transport in semiconductors. In MATHEMATICAL MODELS & METHODS IN APPLIED SCIENCES. ISSN 0218-2025, 2015, vol. 25, no. 5, pp. 929., Registrované v: WOS
25. [1.1] KAVEEV, A. K. - BURSIAAN, V. E. - GASTEV, S. V. - KRICHEVTSOV, B. B. - SUTURIN, S. M. - VOLKOV, M. P. - SOKOLOV, N. S. Laser MBE-grown yttrium iron garnet films on GaN: characterization of the crystal structure and magnetic properties. In MATERIALS RESEARCH EXPRESS. ISSN 2053-1591, 2016, vol. 3, no. 7, 076405., Registrované v: WOS
26. [1.1] KIM, Do Yoon - KIM, Chang Woo - SOHN, Jong Hwa - LEE, Kyu Joon - JUNG, Myang Hwa - KIM, Min Gyu - KANG, Young Soo. Ferromagnetism of Single-Crystalline Cu₂O Induced through Poly(N-vinyl-2-pyrrolidone) Interaction Triggering d-Orbital Alteration. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2015, vol. 119, no. 23, pp. 13350., Registrované v: WOS
27. [1.1] KUMAR, D. Sanjeev - BODA, Aalu - MUKHOPADHYAY, Soma - CHATTERJEE, Ashok. Effect of Rashba-spin orbit interaction on the ground state energy of a D-0 centre in a GaAs quantum dot with Gaussian confinement. In SUPERLATTICES AND MICROSTRUCTURES. ISSN 0749-6036, 2015, vol. 88, no., pp. 174., Registrované v: WOS
28. [1.1] LEE, Yu-Wen - LEE, Yu-Li. Electrical control and interaction effects of the RKKY interaction in helical liquids. In PHYSICAL REVIEW B.

- ISSN 1098-0121, 2015, vol. 91, no. 21, 214431., Registrované v: WOS
29. [1.1] LIN, Zhichao - KONDO, Kenji - YAMAMOTO, Masafumi - UEMURA, Tetsuya. Transient analysis of oblique Hanle signals observed in GaAs. In JAPANESE JOURNAL OF APPLIED PHYSICS. ISSN 0021-4922, 2016, vol. 55, no. 4, 04EN03., Registrované v: WOS
30. [1.1] LI, Tommy - HOROVITZ, Baruch - SUSHKOV, Oleg P. Semiclassical Landau quantization of spin-orbit coupled systems. In PHYSICAL REVIEW B. ISSN 2469-9950, 2016, vol. 93, no. 23, 235316., Registrované v: WOS
31. [1.1] LI, Zhou - CARBOTTE, J. P. Optical spectral weight: Comparison of weak and strong spin-orbit coupling. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 91, no. 11, 115421., Registrované v: WOS
32. [1.1] LONG, Nguyen H. - MAVROPOULOS, Phivos - BAUER, David S. G. - ZIMMERMANN, Bernd - MOKROUSOV, Yuriy - BLUEGEL, Stefan. Strong spin-orbit fields and Dyakonov-Perel spin dephasing in supported metallic films. In PHYSICAL REVIEW B. ISSN 2469-9950, 2016, vol. 94, no. 18, 180406., Registrované v: WOS
33. [1.1] MAKAROV, Alexander - WINDBACHER, Thomas - SVERDLOV, Viktor - SELBERHERR, Siegfried. CMOS-compatible spintronic devices: a review. In SEMICONDUCTOR SCIENCE AND TECHNOLOGY. ISSN 0268-1242, 2016, vol. 31, no. 11, 113006., Registrované v: WOS
34. [1.1] MANCHON, A. - KOO, H. C. - NITTA, J. - FROLOV, S. M. - DUINE, R. A. New perspectives for Rashba spin-orbit coupling. In NATURE MATERIALS. ISSN 1476-1122, 2015, vol. 14, no. 9, pp. 871., Registrované v: WOS
35. [1.1] MANZKE, Y. In IEEE MAGNETICS CONFERENCE (INTERMAG), MEETINGS ABSTRACT: GB-09, 2015., Registrované v: WOS
36. [1.1] MAWRIE, Alestin - GHOSH, Tarun Kanti. Drude weight and optical conductivity of a two-dimensional heavy-hole gas with k-cubic spin-orbit interactions. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2016, vol. 119, no. 4, 044303., Registrované v: WOS
37. [1.1] NIU, Bing-Hui - YAN, Teng-Fei - NI, Hai-Qiao - NIU, Zhi-Chuan - ZHANG, Xin-Hui. Tuning of the Electron Spin Relaxation Anisotropy via Optical Gating in GaAs/AlGaAs Quantum Wells. In CHINESE PHYSICS LETTERS. ISSN 0256-307X, 2016, vol. 33, no. 10, 107802., Registrované v: WOS
38. [1.1] OHSUGI, Rento - KUNIHASHI, Yoji - SANADA, Haruki - KOHDA, Makoto - GOTOH, Hideki - SOGAWA, Tetsuomi - NITTA, Junsaku. Bias dependence of spin injection/transport properties of a perpendicularly magnetized FePt/MgO/GaAs structure. In APPLIED PHYSICS EXPRESS. ISSN 1882-0778, 2016, vol. 9, no. 4, 043002., Registrované v: WOS
39. [1.1] OHSUHI, T. et al. Comparison of electrical and optical detection of spin. In JOURNAL OF PHYSICS D, 2015, vol. 48, 164003., Registrované v: WOS
40. [1.1] OMAR, S. - GURRAM, M. - VERA-MARUN, I. J. - ZHANG, X. - HUISMAN, E. H. - KAVERZIN, A. - FERLINGA, B. L. - VAN WEES, B. J. Spin relaxation in graphene with self-assembled cobalt porphyrin molecules. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 92, no. 11, 115442., Registrované v: WOS

41. [1.1] Pareek, Tribhuvan Prasad. Quantum non-Abelian hydrodynamics. In INTERNATIONAL JOURNAL OF MODERN PHYSICS B, 2015, vol. 29, 1450241., Registrované v: WOS
42. [1.1] PAZHANIVELU, V. - SELVADURAI, A. Paul Blessington - MURUGARAJ, R. Zn Interstitial Defects Induced Magnetic Nature In Fe Ions Doped ZnO Based DMS. In PROCEEDINGS OF THE 59TH DAE SOLID STATE PHYSICS SYMPOSIUM 2014 (SOLID STATE PHYSICS). ISSN 0094-243X, 2015, vol. 1665, 130033., Registrované v: WOS
43. [1.1] PEREYRA, Pedro - WEISS, Dieter. Spin transmission through magnetic/nonmagnetic semiconductors interface. In SPINTRONICS IX. ISSN 0277-786X, 2016, vol. 9931, UNSP 993124., Registrované v: WOS
44. [1.1] QI, JunJie - LIU, HaiWen - JIANG, Hua - XIE, XinCheng. Effective spin dephasing mechanism in confined two-dimensional topological insulators. In SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY. ISSN 1674-7348, 2016, vol. 59, no. 7, 677811., Registrované v: WOS
45. [1.1] RAES, Bart - SCHEERDER, Jeroen E. - COSTACHE, Marius V. - BONELL, Frederic - SIERRA, Juan F. - CUPPENS, Jo - VAN DE VONDEL, Joris - VALENZUELA, Sergio O. Determination of the spin-lifetime anisotropy in graphene using oblique spin precession. In NATURE COMMUNICATIONS. ISSN 2041-1723, 2016, vol. 7, 11444., Registrované v: WOS
46. [1.1] RAKHEJA, S. In CMOS and BEYOND: LOGIC SWITCHES OFR TERASCALE INTEGRATED CIRCUITS, 2015, pp. 381-412., Registrované v: WOS
47. [1.1] RASLY, Mahmoud - LIN, Zhichao - YAMAMOTO, Masafumi - UEMURA, Tetsuya. Analysis of the transient response of nuclear spins in GaAs with/without nuclear magnetic resonance. In AIP ADVANCES. ISSN 2158-3226, 2016, vol. 6, no. 5, 056305., Registrované v: WOS
48. [1.1] ROCHE, Stephan. Electronic and Transport Properties of Graphene. In CHARGE AND SPIN TRANSPORT IN DISORDERED GRAPHENE-BASED MATERIALS. ISSN 2190-5053, 2016, pp. 5-34., Registrované v: WOS
49. [1.1] RYU, Jeongchun - KOHDA, Makoto - NITTA, Junsaku. Observation of the D'yakonov-Perel' Spin Relaxation in Single-Crystalline Pt Thin Films. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2016, vol. 116, no. 25, 256802., Registrované v: WOS
50. [1.1] SAIDAOUI, Hamed Ben Mohamed - OTANI, Y. - MANCHON, A. Crossover between spin swapping and Hall effect in disordered systems. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 92, no. 2, 024417., Registrované v: WOS
51. [1.1] SEGARRA, C. - PLANELLES, J. - CLIMENTE, J. I. - RAJADELL, F. Anisotropy of spin-orbit induced electron spin relaxation in [001] and [111] grown GaAs quantum dots. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2015, vol. 17, 033014., Registrované v: WOS
52. [1.1] SHEVTSOV, D. V. - LYASCHENKO, S. A. - VARNAKOV, S. N. Ultrahigh vacuum holder-positioner for in situ studies of conductive nanostructures in a wide temperature range. In XII INTERNATIONAL SCIENTIFIC AND RESEARCH CONFERENCE TOPICAL ISSUES IN AERONAUTICS AND ASTRONAUTICS. ISSN 1757-8981, 2016, vol. 155, UNSP 012028., Registrované v: WOS

53. [1.1] SHIOGAI, J. - CIORGA, M. - UTZ, M. - SCHUH, D. - KOHDA, M. - BOUGEARD, D. - NOJIMA, T. - WEISS, D. - NITTA, J. In-plane tunneling anisotropic magnetoresistance in (Ga,Mn)As/GaAs Esaki diodes in the regime of the excess current. In APPLIED PHYSICS LETTERS. ISSN 0003-6951, 2015, vol. 106, no. 26, 262402., Registrované v: WOS
54. [1.1] SCHAEFER, A. - BUSS, J. H. - SCHUPP, T. - ZADO, A. - AS, D. J. - HAEGELE, D. - RUDOLPH, J. Strain dependent electron spin dynamics in bulk cubic GaN. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2015, vol. 117, no. 9, 093906., Registrované v: WOS
55. [1.1] SMIRNOV, Sergey. Orthogonal Cherenkov sound in spin-orbit coupled systems. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2015, vol. 5, 11159., Registrované v: WOS
56. [1.1] SPAGNOLO, B. - VALENTI, D. - GUARCELLO, C. - CAROLLO, A. - ADORNO, D. Persano - SPEZIA, S. - PIZZOLATO, N. - DI PAOLA, B. Noise-induced effects in nonlinear relaxation of condensed matter systems. In CHAOS SOLITONS & FRACTALS. ISSN 0960-0779, 2015, vol. 81, no., pp. 412., Registrované v: WOS
57. [1.1] STOLWIJK, Sebastian David. Spin-Orbit-Induced Spin Textures of Unoccupied Surface States on Ti/Si(111) Introduction. In SPIN-ORBIT-INDUCED SPIN TEXTURES OF UNOCCUPIED SURFACE STATES ON TL/SI(111) . ISSN 2190-5053, 2015, vol., no., pp. 1., Registrované v: WOS
58. [1.1] STOLWIJK, Sebastian David. Spin Textures on $\text{Ti/Si(111)-(1\times1)}$. In SPIN-ORBIT-INDUCED SPIN TEXTURES OF UNOCCUPIED SURFACE STATES ON TL/SI(111) . ISSN 2190-5053, 2015, vol., no., pp. 31., Registrované v: WOS
59. [1.1] SVERDLOV, Viktor - GHOSH, Joydeep - MAKAROV, Alexander - WINDBACHER, Homas - SELBERHERR, Siegfried. CMOS-Compatible Spintronic Devices. In 2015 30TH SYMPOSIUM ON MICROELECTRONICS TECHNOLOGY AND DEVICES (SBMICRO), 2015, ., Registrované v: WOS
60. [1.1] SVERDLOV, Viktor - MAKAROV, Alexander - WINDBACHER, Thomas - SELBERHERR, Siegfried. Magnetic Field Dependent Tunneling Magnetoresistance through a Quantum Well between Ferromagnetic Contacts. In 2016 INTERNATIONAL CONFERENCE ON SIMULATION OF SEMICONDUCTOR PROCESSES AND DEVICES (SISPAD). ISSN 1946-1569, 2016, pp. 315-318., Registrované v: WOS
61. [1.1] SVERDLOV, Viktor - SELBERHERR, Siegfried. Spin-Based Devices for Future Microelectronics. In 2015 International Symposium on Next-Generation Electronics (ISNE). ISSN 2378-8593, 2015 ., Registrované v: WOS
62. [1.1] SVERDLOV, Viktor - SELBERHERR, Siegfried. Spin-Based CMOS-Compatible Devices. In LARGE-SCALE SCIENTIFIC COMPUTING, LSSC 2015. ISSN 0302-9743, 2015, vol. 9374, no., pp. 42., Registrované v: WOS
63. [1.1] SVERDLOV, Viktor - SELBERHERR, Siegfried. Silicon spintronics: Progress and challenges. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, 2015, vol. 585, no., pp. 1., Registrované v: WOS
64. [1.1] SZUKIEWICZ, Barbara - WYSOKINSKI, Karol I. Quantum

- dot as spin current generator and energy harvester. In EUROPEAN PHYSICAL JOURNAL B. ISSN 1434-6028, 2015, vol. 88, no. 5, 112., Registrované v: WOS
65. [1.1] TABERT, C. J. - CARBOTTE, J. P. Magnetization of the metallic surface states in topological insulators. In JOURNAL OF PHYSICS-CONDENSED MATTER. ISSN 0953-8984, 2015, vol. 27, no. 1, 015008., Registrované v: WOS
66. [1.1] TAKAMURA, Yota - AKUSHICHI, Taiju - SHUTO, Yusuke - SUGAHARA, Satoshi. Analysis and design of nonlocal spin devices with electric-field-induced spin-transport acceleration. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2015, vol. 117, no. 17, 17D919., Registrované v: WOS
67. [1.1] TINKEY, Holly N. - DERY, Hanan - APPELBAUM, Ian. Defect passivation by proton irradiation in ferromagnet-oxide-silicon junctions. In APPLIED PHYSICS LETTERS. ISSN 0003-6951, 2016, vol. 109, no. 14, 142407., Registrované v: WOS
68. [1.1] TKACH, Yu. Ya. Tunable Van Hove singularities and the magnetization in a two-dimensional electron gas with the spin-orbit interaction in a parallel magnetic field. In JETP LETTERS. ISSN 0021-3640, 2016, vol. 104, no. 2, pp. 105-109., Registrované v: WOS
69. [1.1] TOKATLY, I. V. - SHERMAN, E. Ya. Spin evolution of cold atomic gases in SU(2) circle times U(1) fields. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 93, no. 6, 063635., Registrované v: WOS
70. [1.1] TXOPERENA, Oihana - CASANOVA, Felix. Spin injection and local magnetoresistance effects in three-terminal devices. In JOURNAL OF PHYSICS D-APPLIED PHYSICS. ISSN 0022-3727, 2016, vol. 49, no. 13, 133001., Registrované v: WOS
71. [1.1] UNGAR, F. - CYGOREK, M. - TAMBORENEA, P. I. - AXT, V. M. Ultrafast spin dynamics in II-VI diluted magnetic semiconductors with spin-orbit interaction. In PHYSICAL REVIEW B. ISSN 2469-9950, 2015, vol. 91, no. 19, 195201., Registrované v: WOS
72. [1.1] VAN WEPEREN, I. - TARASINSKI, B. - EELTINK, D. - PRIBIAG, V. S. - PLISSARD, S. R. - BAKKERS, E. P. A. M. - KOUWENHOVEN, L. P. - WIMMER, M. Spin-orbit interaction in InSb nanowires. In PHYSICAL REVIEW B. ISSN 2469-9950, 2015, vol. 91, no. 20, 201413., Registrované v: WOS
73. [1.1] VAN'T ERVE, O. M. J. - FRIEDMAN, A. L. - LI, C. H. - ROBINSON, J. T. - CONNELL, J. - LAUHON, L. J. - JONKER, B. T. Spin transport and Hanle effect in silicon nanowires using graphene tunnel barriers. In NATURE COMMUNICATIONS. ISSN 2041-1723, 2015, vol. 6, 7541., Registrované v: WOS
74. [1.1] VIGLIN, N. A. - USTINOV, V. V. - TSVELIKHOVSKAYA, V. M. - PAVLOV, T. N. Electric injection and detection of spin-polarized electrons in lateral spin valves on ferromagnetic metal-semiconductor InSb heterojunctions. In JETP LETTERS. ISSN 0021-3640, 2015, vol. 101, no. 2, pp. 113., Registrované v: WOS
75. [1.1] VIGNALE, Giovanni - TOKATLY, I. V. Theory of the nonlinear Rashba-Edelstein effect: The clean electron gas limit. In PHYSICAL REVIEW B. ISSN 1098-0121, 2016, vol. 93, no. 3, 035310., Registrované v: WOS
76. [1.1] VOLKOV, N. V. - TARASOV, A. S. - SMOLYAKOV, D. A. -

- VARNAKOV, S. N. - OVCHINNIKOV, S. G. Bias-voltage-controlled ac and dc magnetotransport phenomena in hybrid structures. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2015, vol. 383, no., pp. 69., Registrované v: WOS
77. [1.1] VOLMER, Frank - DROEGELER, Marc - POHLMANN, Tobias - GUENTHERODT, Gernot - STAMPFER, Christoph - BESCHOTEN, Bernd. Contact-induced charge contributions to non-local spin transport measurements in Co/MgO/graphene devices. In 2D MATERIALS. ISSN 2053-1583, 2015, vol. 2, no. 2, 024001., Registrované v: WOS
78. [1.1] VOLMER, F. - DROEGELER, M. - GUENTHERODT, G. - STAMPFER, C. - BESCHOTEN, B. Spin and charge transport in graphene-based spin transport devices with Co/MgO spin injection and spin detection electrodes. In SYNTHETIC METALS. ISSN 0379-6779, 2015, vol. 210, no., pp. 42., Registrované v: WOS
79. [1.1] WELLENS, Thomas - JALABERT, Rodolfo A. Charge and spin diffusion on the metallic side of the metal-insulator transition: self-consistent approach. In PHYSICAL REVIEW B. ISSN 2469-9950, 2016, vol. 94, no. 14, 144209., Registrované v: WOS
80. [1.1] WOJCIK, P. - ADAMOWSKI, J. - WOLOSZYN, M. - SPISAK, B. J. Spin splitting generated in a Y-shaped semiconductor nanostructure with a quantum point contact. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2015, vol. 118, no. 1, 014302., Registrované v: WOS
81. [1.1] WOJCIK, P. - ADAMOWSKI, J. Electrically controlled spin-transistor operation in a helical magnetic field. In SEMICONDUCTOR SCIENCE AND TECHNOLOGY. ISSN 0268-1242, 2016, vol. 31, no. 3, 035021., Registrované v: WOS
82. [1.1] WOJCIK, P. - ADAMOWSKI, J. Effect of inter- and intra-subband spin-orbit interactions on the operation of a spin transistor with a double quantum well structure. In SEMICONDUCTOR SCIENCE AND TECHNOLOGY. ISSN 0268-1242, 2016, vol. 31, no. 11, 115012., Registrované v: WOS
83. [1.1] WOLOSZYN, M. - SPISAK, B. J. - WOJCIK, P. - ADAMOWSKI, J. Transition from positive to negative magnetoresistance induced by a constriction in semiconductor nanowire. In PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES. ISSN 1386-9477, 2016, vol. 83, no., pp. 127-134., Registrované v: WOS
84. [1.1] WOLSKI, S. - SZCZEPANSKI, T. - DUGAEV, V. K. - BARNAS, J. - LANDGRAF, B. - SLOBODSKYY, T. - HANSEN, W. Spin and charge transport in double-junction Fe/MgO/GaAs/MgO/Fe heterostructures. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2015, vol. 117, no. 4, 043908., Registrované v: WOS
85. [1.1] YAMAMOTO, Masafumi - UEMURA, Tetsuya. Effect of Nonstoichiometry on the Half-Metallic Character of Co₂MnSi and Its Application to the Spin Sources of Spintronic Devices. In HEUSLER ALLOYS: PROPERTIES, GROWTH, APPLICATIONS. ISSN 0933-033X, 2016, vol. 222, no., pp. 413-444., Registrované v: WOS
86. [1.1] YANG, Li-Wei - TSAI, Yi-Chia - LI, Yiming - HIGO, Aiko - MURAYAMA, Akihiro - SAMUKAWA, S. - VOSKOBOYNIKOV, O. Tuning of the electron g factor in defect-free GaAs nanodisks. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 92, no. 24, 245423., Registrované v: WOS

87. [1.1] YAN, Tengfei - QIAO, Xiaofen - TAN, Pingheng - ZHANG, Xinhui. Valley depolarization in monolayer WSe₂. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2015, vol. 5, 15625., Registrované v: WOS
88. [1.1] YU, T. - WU, M. W. Gapped triplet p-wave superconductivity in strong spin-orbit-coupled semiconductor quantum wells in proximity to s-wave superconductor. In PHYSICAL REVIEW B. ISSN 2469-9950, 2016, vol. 93, no. 19, 195308., Registrované v: WOS
89. [1.1] YU, T. - WU, M. W. Quasiparticle spin relaxation with superconducting velocity-tunable state in GaAs(100) quantum wells in proximity to s-wave superconductor. In PHYSICAL REVIEW B. ISSN 2469-9950, 2016, vol. 94, no. 20, 205305., Registrované v: WOS
90. [1.1] YU, T. - WU, M. W. Spin diffusion in ultracold spin-orbit-coupled K-40 gas. In PHYSICAL REVIEW A. ISSN 2469-9926, 2015, vol. 92, no. 1, 013607., Registrované v: WOS
91. [1.1] YU, T. - WU, M. W. Valley depolarization dynamics and valley Hall effect of excitons in monolayer and bilayer MoS₂. In PHYSICAL REVIEW B. ISSN 2469-9950, 2016, vol. 93, no. 4, 045414., Registrované v: WOS
92. [1.1] ZARRINKAMAR, S. - JAHANKOHAN, K. - HASSANABADI, H. The spin-orbit interaction in minimal length quantum mechanics; the case of a (2+1)-dimensional Dirac oscillator. In CANADIAN JOURNAL OF PHYSICS. ISSN 0008-4204, 2015, vol. 93, no. 12, pp. 1638-1641., Registrované v: WOS

ADDA07 HAMILTON, J.H. - RAMAYYA, A.V. - HWANG, J.K. - GREIENR, W. - ZHU, S.J. - SANDULESCU, A. - FLORESCU, A. - KORMICKI, J. - TER-AKOPIAN, G. - OGANESSIAN, Y. - DANIEL, A.V. - POPEKO, G.S. - KLIMAN, Ján - MORHÁČ, Miroslav - COLE, J.D. - ARYAEINEJAD, R. - DRIGERT, M.W. - COLLINS, W.E. - MA, W.C. - JONES, E.F. - PEKER, L.K. - GORE, P.M. - DRAFTA, G. - BABU, B.R.S. - WANG, G. - DENG, J.K. Cold spontaneous fission processes of Cf-252 and the structure of neutron rich Ba and La nuclei. In *Acta Physica Slovaca*, 1999, vol. 49, no. 1, p. 31-42. (1999 - Current Contents). ISSN 0323-0465.

Ohlasy:

1. [1.1] KHAZOV, Yu - RODIONOV, A. - SHULYAK, G. Nuclear Data Sheets for A=146. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2016, vol. 136, pp. 163-451., Registrované v: WOS
2. [1.1] MALIK, Sham S. - MAZUMDAR, I. Role of quantum phase transition in spontaneous fission. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2019, vol. 990, pp. 220-243., Registrované v: WOS
3. [1.1] MUSANGU, B. M. - THIBEAULT, A. H. - RICHARDS, T. H. - WANG, E. H. - HAMILTON, J. H. - ZACHARY, C. J. - ELDRIDGE, J. M. - RAMAYYA, A. - LUO, Y. X. - RASMUSSEN, J. O. - TER-AKOPIAN, G. M. - OGANESSIAN, Yu Ts - ZHU, S. J. Anomalous neutron yields confirmed for Ba-Mo and newly observed for Ce-Zr from spontaneous fission of Cf-252. In PHYSICAL REVIEW C. ISSN 2469-9985, 2020, vol. 101, no. 3, 034610., Registrované v: WOS

ADDA08 HARTMANOVÁ, Mária - JERSEL, Matej - NAVRÁTIL, V. - NAVRÁTIL, K. - GMUCOVÁ, Katarína - GANDARILLA, F.C. - ZEMEK, J. - CHROMIK, Štefan - KUNDRACIK, F. Effect of structural imperfections on the characteristics of

YSZ dielectric layers grown by e-beam evaporation from the crystalline targets. In *Acta Physica Slovaca*, 2005, vol. 55, no. 3, p. 247-259.

Ohlasy:

1. [1.1] CHOI, Byoung Su - PARK, Jong Cheon - SEO, Jun Won - RYU, Su Chak - LEE, Hee Soo - RYU, Jeong Ho - CHO, Hyun. High density plasma etching of YSZ thin film in halogen-based inductively coupled plasmas. In *JOURNAL OF CERAMIC PROCESSING RESEARCH*. ISSN 1229-9162, 2016, vol. 17, no. 8, pp. 894-898., Registrované v: WOS

ADDA09 HEINOSAARI, Teiko - ZIMAN, Mário. Guide to mathematical concepts of quantum theory. In *Acta Physica Slovaca*, 2008, vol. 58, no. 4, p. 487-674. (2007: 0.625 - IF, Q3 - JCR, 0.189 - SJR, Q4 - SJR). (2008 - SCOPUS). ISSN 0323-0465.

Ohlasy:

1. [1.1] CHANG, MH. Quantum Stochastics. In *QUANTUM STOCHASTICS*, 2015, pp. 1-412., Registrované v: WOS
2. [1.1] LANDSMAN, K. Foundations of Quantum Theory: From Classical Concepts to Operator Algebras. In *FOUNDATIONS OF QUANTUM THEORY: FROM CLASSICAL CONCEPTS TO OPERATOR ALGEBRAS*. ISSN 0168-1222, 2017, vol. 118, pp. 1-881., Registrované v: WOS
3. [1.1] PIRANDOLA, S. - ANDERSEN, U. L. - BANCHI, L. - BERTA, M. - BUNANDAR, D. - COLBECK, R. - ENGLUND, D. - GEHRING, T. - LUPO, C. - OTTAVIANI, C. - PEREIRA, J. L. - RAZAVI, M. - SHAARI, J. Shamsul - TOMAMICHEL, M. - USENKO, V. C. - VALLONE, G. - VILLORESI, P. - WALLDEN, P. Advances in quantum cryptography. In *ADVANCES IN OPTICS AND PHOTONICS*. ISSN 1943-8206, 2020, vol. 12, no. 4, pp. 1012-1236., Registrované v: WOS

ADDA10 HEYDARI, Abolfazl** - SHEIBANI, Hassan** - HRONSKÝ, Viktor - JANIGOVÁ, Ivica - ŠLOUF, Miroslav - ŠIFFALOVÍČ, Peter - CHODÁK, Ivan. Beta-cyclodextrin-epichlorohydrin polymer/graphene oxide nanocomposite: preparation and characterization. In *Chemical Papers*, 2018, vol. 72, no. 5, p. 1299-1313. (2017: 0.963 - IF, Q4 - JCR, 0.306 - SJR, Q2 - SJR, Current Contents - CCC). (2018 - Current Contents). ISSN 0366-6352. Dostupné na: <https://doi.org/10.1007/s11696-017-0371-9>

Ohlasy:

1. [1.1] FAYAZI, R. - GHANEI-MOTLAGH, M. Construction of a Carbon Paste Electrode Based on Novel Thiolated Ligand Capped Gold Nanoparticles for Determination of Trace Amounts of Mercury(II). In *ANALYTICAL AND BIOANALYTICAL CHEMISTRY RESEARCH*. ISSN 2383-093X, WIN-SPR 2019, vol. 6, no. 1, p. 1-12., Registrované v: WOS
2. [1.1] GARKUSHIN, G.V. - RAZORENOV, S.V. - TARASOV, A.E. - ANOKHIN, D.V. - BADAMSHINA, E.R. Joint Effect of Small Additives of Carbon Nanoparticles of Different Morphologies on the Mechanical Characteristics of Cross-Linked Polyurethanes under Static and Dynamic Loads. In *TECHNICAL PHYSICS*. ISSN 1063-7842, JUN 2019, vol. 64, no. 6, p. 865-872., Registrované v: WOS
3. [1.1] HAN, Xiaobing - GAO, Jie - CHEN, Tao - ZHAO, Yuan. Interfacial interaction and steric repulsion in polymer-assisted liquid exfoliation to produce high-quality graphene. In *CHEMICAL PAPERS*. ISSN 0366-6352, 2020, vol. 74, no. 3, pp. 757-765., Registrované v: WOS

4. [1.1] LIU, Yuanyuan - TANG, Peixiao - PU, Hongyu - QIAN, Hongyun - SUN, Qiaomei - ZHAO, Ludan - LI, Muxue - LI, Hui. Study on the synthesis and drug-loading optimization of beta-cyclodextrin polymer microspheres containing ornidazole. In JOURNAL OF DRUG DELIVERY SCIENCE AND TECHNOLOGY. ISSN 1773-2247, 2020, vol. 58, 101836., Registrované v: WOS
5. [1.1] TARASOV, A.E. - ANOKHIN, D.V. - PROPAD, Y.V. - BERSENEV, E.A. - RAZORENOV, S.V. - GARKUSHIN, G.V. - BADAMSHINA, E.R. Synergetic effect of fullerene and graphene oxide nanoparticles on mechanical characteristics of cross-linked polyurethanes under static and dynamic loading. In JOURNAL OF COMPOSITE MATERIALS. ISSN 0021-9983, NOV 2019, vol. 53, no. 26-27, p. 3797-3805., Registrované v: WOS
6. [1.2] AHMED, J. Use of Graphene/Graphene Oxide in Food Packaging Materials: Thermomechanical, Structural and Barrier Properties. (2020) Innovative Food Processing Technologies: A Comprehensive Review, p. 452-473., Registrované v: Scopus

ADDA11 IŽDINSKÝ, Karol - SIMANČÍK, František - KORÁB, Juraj - KRAMER, Ivan - ŠTEFÁNIK, Peter - KAVECKÝ, Štefan - ŠRÁMKOVÁ, Táňa - CSUBA, Adrian - ZEMÁNKOVÁ, Milina. Preparation and thermophysical properties of Cu alloy/ high thermal conductivity carbon fibre composites. In *Kovové materiály*, 2006, vol. 44, p. 327-334.

Ohlasy:

1. [1.1] PEI, Risheng - CHEN, Guoqin - WANG, Yaping - ZHAO, Ming - WU, Gaohui. Effect of interfacial microstructure on the thermal-mechanical properties of mesophase pitch-based carbon fiber reinforced aluminum composites. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2018, vol. 756, no., pp. 8-18., Registrované v: WOS
2. [1.1] SWEAT, Rebekah - PARK, Jin Gyu - LIANG, Richard. A Digital Twin Approach to a Quantitative Microstructure-Property Study of Carbon Fibers through HRTEM Characterization and Multiscale FEA. In MATERIALS, 2020, vol. 13, no. 19, pp. Dostupné na: <https://doi.org/10.3390/ma13194231>., Registrované v: WOS
3. [1.2] PARK, Jin G.Y.U. - SWEAT, Rebekah - LIANG, Richard. Quantitative microstructure study of PAN and pitch-based carbon fibers through TEM and X-ray scattering analysis. In Proceedings of the American Society for Composites 34th Technical Conference, ASC 2019, 2019-01-01, pp., Registrované v: SCOPUS

ADDA12 KÚDELA, Stanislav, Jr. - ŠVEC, Peter - BAJANA, Otto - OROVČÍK, Ľubomír - RANACHOWSKI, P. - RANACHOWSKI, Z. Strengthening in dual-phase structured Mg-Li-Zn Alloys. In *Kovové materiály*, 2016, roč. 54, s. 483-489. (2015: 0.365 - IF, Q4 - JCR, 0.199 - SJR, Q3 - SJR, Current Contents - CCC). (2016 - Current Contents). ISSN 0023-432X. Dostupné na: https://doi.org/10.4149/km_2016_6_483

Ohlasy:

1. [1.1] JI, Qing - WANG, Yang - WU, Ruizhi - WEI, Zhen - MA, Xiaochun - ZHANG, Jinghui - HOU, Legan - ZHANG, Milin. High specific strength Mg-Li-Zn-Er alloy processed by multi deformation processes. In

MATERIALS CHARACTERIZATION. ISSN 1044-5803, 2020, vol. 160, 110135., Registrované v: WOS

2. [1.1] RAHMATABADI, D. - HASHEMI, R. - TAYYEBI, M. - BAYATI, A. Investigation of mechanical properties, formability, and anisotropy of dual phase Mg-7Li-1Zn. In MATERIALS RESEARCH EXPRESS. ISSN 2053-1591, 2019, vol. 6, no. 9, 096543., Registrované v: WOS

3. [2.1] STAMBORSKA, M. - LAPIN, J. Effect of anisotropic microstructure on high-temperature compression deformation of CoCrFeNi based complex concentrated alloy. In KOVOVE MATERIALY-METALLIC MATERIALS. ISSN 0023-432X, 2017, vol. 55, no. 6, pp. 369-378., Registrované v: WOS

ADDA13 LEJA, Jozef - GMUCA, Štefan. Relativistic mean-field study of even-even oxygen isotopes. In *Acta Physica Slovaca*, 2001, vol. 51, no. 3, p. 201-210. (2000: 0.465 - IF, Current Contents - CCC). (2001 - Current Contents, SCOPUS). ISSN 0323-0465.

Ohlasy:

1. [1.1] KELLEY, J. H. - PURCELL, J. E. - SHEU, C. G. Energy levels of light nuclei A=12. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2017, vol. 968, pp. 71-253., Registrované v: WOS

2. [1.1] SAHOO, T. - PANDA, R. N. - PATRA, S. K. Proton emission from the drip-line nuclei I-Bi using the WKB approximation with relativistic mean-field densities. In CHINESE PHYSICS C. ISSN 1674-1137, 2019, vol. 43, no. 4, 044102., Registrované v: WOS

ADDA14 MARKOŠ, Peter. Numerical analysis of the Anderson localization. In *Acta Physica Slovaca*, 2006, vol. 56, no. 5, p. 561-685.

Ohlasy:

1. [1.1] AGARWALA, Adhip. Killing the Hofstadter butterfly, one bond at a time. In EUROPEAN PHYSICAL JOURNAL B. ISSN 1434-6028, 2017, vol. 90, no. 1, 15, Registrované v: WOS

2. [1.1] BERTRAND, Corentin L. - GARCIA-GARCIA, Antonio M. Anomalous Thouless energy and critical statistics on the metallic side of the many-body localization transition. In PHYSICAL REVIEW B. ISSN 2469-9950, 2016, vol. 94, no. 14, 144201., Registrované v: WOS

3. [1.1] FAN, Bo - GARCIA-GARCIA, Antonio M. Superconductivity at the three-dimensional Anderson metal-insulator transition. In PHYSICAL REVIEW B. ISSN 2469-9950, 2020, vol. 102, no. 18, 184507., Registrované v: WOS

4. [1.1] FROUFE-PEREZ, Luis S. - ENGEL, Michael - JOSE SAENZ, Juan - SCHEFFOLD, Frank. Band gap formation and Anderson localization in disordered photonic materials with structural correlations. In PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA. ISSN 0027-8424, 2017, vol. 114, no. 36, pp. 9570-9574., Registrované v: WOS

5. [1.1] GULLANS, Michael J. - HUSE, David A. Localization as an Entanglement Phase Transition in Boundary-Driven Anderson Models. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 123, no. 11, 110601., Registrované v: WOS

6. [1.1] HORVATH, Ivan - MENDRIS, Robert. Effective Number

- Theory: Counting the Identities of a Quantum State. In ENTROPY, 2020, vol. 22, no. 11, 1273., Registrované v: WOS
7. [1.1] KAPITULNIK, Aharon - KIVELSON, Steven A. - SPIVAK, Boris. Colloquium: Anomalous metals: Failed superconductors. In REVIEWS OF MODERN PHYSICS. ISSN 0034-6861, 2019, vol. 91, no. 1, 011002., Registrované v: WOS
8. [1.1] LOPEZ-BEZANILLA, Alejandro - FROUFE-PEREZ, Luis S. - ROCHE, Stephan - SAENZ, Juan Jose. Unequivocal signatures of the crossover to Anderson localization in realistic models of disordered quasi-one-dimensional materials. In PHYSICAL REVIEW B. ISSN 2469-9950, 2018, vol. 98, no. 23, 235423., Registrované v: WOS
9. [1.1] MARKOS, P. - MUTTALIB, K. A. Phonon localization in nanowires dominated by surface roughness. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 99, no. 13, 134208., Registrované v: WOS
10. [1.1] MENDOZA, Jonathan - CHEN, Gang. Anderson Localization of Thermal Phonons Leads to a Thermal Conductivity Maximum. In NANO LETTERS. ISSN 1530-6984, 2016, vol. 16, no. 12, pp. 7616-7620., Registrované v: WOS
11. [1.1] MONDAL, Wasim Raja - VIDHYADHIRAJA, N. S. - BERLIJN, T. - MORENO, Juana - JARRELL, M. Localization of phonons in mass-disordered alloys: A typical medium dynamical cluster approach. In PHYSICAL REVIEW B. ISSN 2469-9950, 2017, vol. 96, no. 1, 014203., Registrované v: WOS
12. [1.1] POURANVARI, Mohammad - ABOUIE, Jahanfar. Entanglement conductance as a characterization of a delocalized-localized phase transition in free fermion models. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 100, no. 19, 195109., Registrované v: WOS
13. [1.1] POURANVARI, Mohammad. Multifractality of the entanglement Hamiltonian eigenmodes. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 99, no. 15, 155121., Registrované v: WOS
14. [1.1] SKIPETROV, S. E. - SOKOLOV, I. M. Search for Anderson localization of light by cold atoms in a static electric field. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 99, no. 13, 134201., Registrované v: WOS
15. [1.1] SLANINA, Frantisek. Localization in random bipartite graphs: Numerical and empirical study. In PHYSICAL REVIEW E. ISSN 2470-0045, 2017, vol. 95, no. 5, 052149., Registrované v: WOS
16. [1.1] SOARES, J. L. S. - DOS SANTOS, R. D. - SOUSA, F. J. S. - SALES, M. O. - MOURA, F. A. B. F. Electronic dynamics in chains with Ornstein-Uhlenbeck correlated disorder. In INTERNATIONAL JOURNAL OF MODERN PHYSICS C. ISSN 0129-1831, 2020, vol. 31, no. 12, 2050176., Registrované v: WOS
17. [1.1] SUSLOV, I. M. Conductance distribution near the Anderson transition. In JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS. ISSN 1063-7761, 2017, vol. 124, no. 5, pp. 763-778., Registrované v: WOS
18. [1.1] SUSLOV, I. M. General form of DMPK Equation. In JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS. ISSN 1063-7761, 2018, vol. 127, no. 1, pp. 131-142., Registrované v: WOS
19. [1.1] SUSLOV, I. M. Multifractality and quantum diffusion from

- self-consistent theory of localization. In JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS. ISSN 1063-7761, 2015, vol. 121, no. 5, pp. 885., Registrované v: WOS
20. [1.1] SUTRADHAR, Jagannath - MUKERJEE, Subroto - PANDIT, Rahul - BANERJEE, Sumilan. Transport, multifractality, and the breakdown of single-parameter scaling at the localization transition in quasiperiodic systems. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 99, no. 22, 224204., Registrované v: WOS
21. [1.1] SYZRANOV, Sergey V. - RADZIHOVSKY, Leo. High-Dimensional Disorder-Driven Phenomena in Weyl Semimetals, Semiconductors, and Related Systems. In ANNUAL REVIEW OF CONDENSED MATTER PHYSICS, VOL 9. ISSN 1947-5454, 2018, vol. 9, pp. 35-58., Registrované v: WOS
22. [1.1] SYZRANOV, S. V. - GURARIE, V. - RADZIHOVSKY, L. Unconventional localization transition in high dimensions. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 91, no. 3, 035133., Registrované v: WOS
23. [1.1] SYZRANOV, S. V. - GURARIE, V. - RADZIHOVSKY, L. Multifractality at non-Anderson disorder-driven transitions in Weyl semimetals and other systems. In ANNALS OF PHYSICS. ISSN 0003-4916, 2016, vol. 373, no., pp. 694-706., Registrované v: WOS
24. [1.1] TARQUINI, E. - BIROLI, G. - TARZIA, M. Critical properties of the Anderson localization transition and the high-dimensional limit. In PHYSICAL REVIEW B. ISSN 2469-9950, 2017, vol. 95, no. 9., Registrované v: WOS
25. [1.1] TERLETSKA, Hanna - ZHANG, Yi - TAM, Ka-Ming - BERLIJN, Tom - CHIONCEL, Liviu - VIDHYADHIRAJA, N. S. - JARRELL, Mark. Systematic Quantum Cluster Typical Medium Method for the Study of Localization in Strongly Disordered Electronic Systems. In APPLIED SCIENCES-BASEL. ISSN 2076-3417, 2018, vol. 8, no. 12, 2401., Registrované v: WOS
26. [1.1] TIKHONOV, K. S. - MIRLIN, A. D. Critical behavior at the localization transition on random regular graphs. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 99, no. 21, 214202., Registrované v: WOS
27. [1.1] YAMADA, Hiroaki S. - MATSUI, Fumihiro - IKEDA, Kensuke S. Critical phenomena of dynamical delocalization in a quantum Anderson map. In PHYSICAL REVIEW E. ISSN 1539-3755, 2015, vol. 92, no. 6, 062908., Registrované v: WOS
28. [1.1] YAMADA, Hiroaki S. - IKEDA, Kensuke S. Critical phenomena of dynamical delocalization in quantum maps: Standard map and Anderson map. In PHYSICAL REVIEW E. ISSN 2470-0045, 2020, vol. 101, no. 3, 032210., Registrované v: WOS
29. [1.1] YANG, Jun - WISE, Frank W. Effects of Disorder on Electronic Properties of Nanocrystal Assemblies. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2015, vol. 119, no. 6, pp. 3338., Registrované v: WOS
30. [1.1] YE, Yangtao - KE, Manzhu - FENG, Junheng - WANG, Mudi - QIU, Chunyin - LIU, Zhengyou. Transversal Anderson localization of sound in acoustic waveguide arrays. In JOURNAL OF PHYSICS-CONDENSED MATTER. ISSN 0953-8984, 2015, vol. 27, no. 15, 155402., Registrované v: WOS

WOS

31. [1.1] ZHANG, Yi - TERLETSKA, Hanna - MOORE, C. - EKUMA, Chinedu - TAM, Ka-Ming - BERLIJN, Tom - KU, Wei - MORENO, Juana - JARRELL, Mark. Study of multiband disordered systems using the typical medium dynamical cluster approximation. In *PHYSICAL REVIEW B*. ISSN 1098-0121, 2015, vol. 92, no. 20, 205111., Registrované v: WOS

ADDA15 MIKULA, M. - BÚC, D. - PINČÍK, Emil. Electrical and optical properties of copper nitride thin films prepared by reactive DC magnetron sputtering. In *Acta Physica Slovaca*, 2001, vol. 51, no. 1, p. 35-43. (2000: 0.465 - IF, Current Contents - CCC). (2001 - Current Contents, SCOPUS). ISSN 0323-0465. Dostupné na: <https://doi.org/10.1016/j.jphotochem.2020.112577>

Ohlasy:

1. [1.1] JIANG, Aihua - QI, Meng - XIAO, Jianrong. Preparation, structure, properties, and application of copper nitride (Cu₃N) thin films: A review. In *JOURNAL OF MATERIALS SCIENCE & TECHNOLOGY*. ISSN 1005-0302, 2018, vol. 34, no. 9, pp. 1467-1473., Registrované v: WOS
2. [1.1] KADZUTU-SITHOLE, Rudo - MACHOGO-PHAO, Lerato F. E. - KOLOKOTO, Tshwarela - ZIMUWANDEYI, Memory - GQOBA, Siziwe S. - MUBIAYI, Kalenga P. - MOLOTO, Makwena J. - VAN WYK, Juanita - MOLOTO, Nosipho. Elucidating the effect of precursor decomposition time on the structural and optical properties of copper(i) nitride nanocubes. In *RSC ADVANCES*, 2020, vol. 10, no. 56, pp. 34231-34246., Registrované v: WOS
3. [1.1] SITHOLE, Rudo K. - MACHOGO, Lerato F. E. - AIRO, Mildred A. - GQOBA, Siziwe S. - MOLOTO, Makwena J. - SHUMBULA, Poslet - VAN WYK, Juanita - MOLOTO, Nosipho. Synthesis and characterization of Cu₃N nanoparticles using pyrrole-2-carbaldpropyliminato Cu(II) complex and Cu(NO₃)(2) as single-source precursors: the search for an ideal precursor. In *NEW JOURNAL OF CHEMISTRY*. ISSN 1144-0546, 2018, vol. 42, no. 4, pp. 3042-3049., Registrované v: WOS
4. [1.1] SITHOLE, Rudo K. - MACHOGO, Lerato F. E. - MOLOTO, Makwena J. - GQOBA, Siziwe S. - MUBIAYI, Kalenga P. - VAN WYK, Juanita - MOLOTO, Nosipho. One-step synthesis of Cu₃N, Cu₂S and Cu₉S₅ and photocatalytic degradation of methyl orange and methylene blue. In *JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY*. ISSN 1010-6030, 2020, vol. 397, 112577., Registrované v: WOS
5. [1.1] XIAO, Jianrong - QI, Meng - GONG, Chenyang - WANG, Zhiyong - JIANG, Aihua - MA, Jiafeng - CHENG, Yong. Crystal structure and optical properties of silver-doped copper nitride films (Cu₃N:Ag) prepared by magnetron sputtering. In *JOURNAL OF PHYSICS D-APPLIED PHYSICS*. ISSN 0022-3727, 2018, vol. 51, no. 5, 055305., Registrované v: WOS

ADDA16 OGANESEAN, Yu Ts - YEREMIN, A. V. - CHEPIGIN, V. I. - ITKIS, M. G. - KABACHENKO, A. P. - KONSTANTINESKY, O. - KONSTANTINESKY, M. - MALYSHEV, O. N. - POPEKO, A. G. - ROHÁČ, J. - SAGAIDAK, R. N. - SHIROKOVSKY, I. V. - UTYONKOV, V. K. - HOFMANN, S. - MÜNZENBERG, G. - VESELSKÝ, Martin - ŠÁRO, Š. - IWAS, N. - MORITA, Kosuke - YONEDA, A. - HUSSONNOIS, M. Experiments on the synthesis of superheavy elements with Z = 110, 112 via Th-232,U-238+Ca-48 reactions. In *Acta Physica Slovaca*, 1999, vol. 49, no. 1, pp. 65-74. (1999 - Current Contents). ISSN 0323-0465.

Ohlasy:

1. [1.1] KHUYAGBAATAR, J. - YAKUSHEV, A. - DUELLMANN, Ch E. - et al. Search for elements 119 and 120. In *PHYSICAL REVIEW C*, 2020, vol. 102, no. 6, 064602., Registrované v: WOS
2. [1.1] YAO, L. - LOVELAND, W. Survival-mediated capture and fusion cross sections for heavy-element synthesis. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2018, vol. 97, no. 1, 014608., Registrované v: WOS

ADDA17 ORUŽINSKÝ, R. - VRŠANSKÝ, Peter. Cockroach forewing area and venation variabilities relate. In *Biologia*, 2017, vol. 72, no. 7, p. 814-818. (2016: 0.759 - IF, Q4 - JCR, 0.313 - SJR, Q3 - SJR, Current Contents - CCC). (2017 - Current Contents). ISSN 0006-3088. Dostupné na: <https://doi.org/10.1515/biolog-2017-0090>

Ohlasy:

1. [1.1] BARNA, Peter - SMIDOVA, Lucia - COUTINO JOSE, Marco Antonio. Living cockroach genus *Anaplecta* discovered in Chiapas amber (Blattaria: Ectobiidae: *Anaplecta vega* sp.n.). In *PEERJ*. ISSN 2167-8359, 2019, vol. 7, no., pp., Registrované v: WOS
2. [1.1] HINKELMAN, Jan. Earliest behavioral mimicry and possible food begging in a Mesozoic alienopterid pollinator. In *BIOLOGIA*. ISSN 0006-3088, 2020, vol. 75, no. 1, pp. 83-92., Registrované v: WOS
3. [1.1] LIANG, Junhui - SHIH, Chungkun - WANG, Lixia - REN, Dong. New cockroaches (Insecta, Blattaria, Fuziidae) from the Middle Jurassic Jiulongshan Formation in northeastern China. In *ALCHERINGA*. ISSN 0311-5518, 2019, vol. 43, no. 3, pp. 441-448., Registrované v: WOS

ADDA18 PIVOLUSKA, M. - PLESCH, Martin. Device independent random number generation. In *Acta Physica Slovaca*, 2014, vol. 64, no. 6, p. 601-664. (2013: 2.000 - IF, Q1 - JCR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 0323-0465. Dostupné na: <https://doi.org/10.2478/apsrt-2014-0006>

Ohlasy:

1. [1.1] HERRERO-COLLANTES, M. - CARLOS GARCIA-ESCARTIN, J. Quantum random number generators, In *REVIEWS OF MODERN PHYSICS*, 2017, vol. 89, no. 1, 015004., Registrované v: WOS
2. [1.1] NATH BERA, Manabendra - ACIN, Antonio - KUS, Marek - et al. Randomness in quantum mechanics: philosophy, physics and technology, In *REPORTS ON PROGRESS IN PHYSICS*, 2017, vol. 80, no. 12, 124001., Registrované v: WOS

ADDA19 PIVOLUSKA, M. - PLESCH, Martin. Device independent random number generation. In *Acta Physica Slovaca*, 2014, vol. 64, no. 6, p. 601-665. (2013: 2.000 - IF, Q1 - JCR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 0323-0465. Dostupné na: <https://doi.org/10.2478/apsrt-2014-0006>

Ohlasy:

1. [1.1] MICHEL, Thibault - HAW, Jing Yan - MARANGON, Davide G. - THEARLE, Oliver - VALLONE, Giuseppe - VILLORESI, Paolo - LAM, Ping Koy - ASSAD, Syed M. Real-Time Source-Independent Quantum Random-Number Generator with Squeezed States. In *PHYSICAL REVIEW APPLIED*. ISSN 2331-7019, 2019, vol. 12, no. 3, 034017., Registrované v: WOS

ADDA20 REITZNER, Daniel - NAGAJ, Daniel - BUŽEK, Vladimír. Quantum walks. In *Acta Physica Slovaca*, 2011, vol. 61, no. 6, p. 603-725. (2010: 3.250 - IF, Q1 - JCR, 5.162 - SJR, Q1 - SJR). (2011 - WOS, SCOPUS). ISSN 0323-0465. Dostupné na: <https://doi.org/10.2478/v10155-011-0006-6>

Ohlasy:

1. [1.1] BAI, Y. F. - XU, P. - LU, L. L. - ZHONG, M. L. - ZHU, S. N. Two-photon Anderson localization in a disordered quadratic waveguide array. In *JOURNAL OF OPTICS*. ISSN 2040-8978, 2016, vol. 18, no. 5, 055201., Registrované v: WOS
2. [1.1] BISIO, Alessandro - D&APOS;ARIANO, Giacomo Mauro - PERINOTTI, Paolo - TOSINI, Alessandro. Weyl, Dirac and Maxwell Quantum Cellular Automata. In *FOUNDATIONS OF PHYSICS*. ISSN 0015-9018, 2015, vol. 45, no. 10, pp. 1203., Registrované v: WOS
3. [1.1] BISIO, Alessandro - D&APOS;ARIANO, Giacomo Mauro - TOSINI, Alessandro. Quantum field as a quantum cellular automaton: The Dirac free evolution in one dimension. In *ANNALS OF PHYSICS*. ISSN 0003-4916, 2015, vol. 354, pp. 244., Registrované v: WOS
4. [1.1] BUENO, Ruben - HATANO, Naomichi. Null-eigenvalue localization of quantum walks on complex networks. In *PHYSICAL REVIEW RESEARCH*, 2020, vol. 2, no. 3, 033185., Registrované v: WOS
5. [1.1] COTTRELL, Seth S. A simple method for finding the scattering coefficients of quantum graphs. In *JOURNAL OF MATHEMATICAL PHYSICS*. ISSN 0022-2488, 2015, vol. 56, no. 9, 092203., Registrované v: WOS
6. [1.1] COTTRELL, Seth S. Finding structural anomalies in star graphs using quantum walks: a general approach. In *JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL*. ISSN 1751-8113, 2015, vol. 48, no. 3, 035304., Registrované v: WOS
7. [1.1] DALLA POZZA, Nicola - CARUSO, Filippo. Quantum state discrimination on reconfigurable noise-robust quantum networks. In *PHYSICAL REVIEW RESEARCH*, 2020, vol. 2, no. 4, 043011., Registrované v: WOS
8. [1.1] DUNJKO, V. - BRIEGEL, H. J. Quantum mixing of Markov chains for special distributions. In *NEW JOURNAL OF PHYSICS*. ISSN 1367-2630, 2015, vol. 17, 073004., Registrované v: WOS
9. [1.1] KEMP, Garreth - SINAYSKIY, Ilya - PETRUCCIONE, Francesco. Lazy open quantum walks. In *PHYSICAL REVIEW A*. ISSN 1050-2947, 2020, vol. 102, no. 1, 012220., Registrované v: WOS
10. [1.1] KOLLAR, B. - GILYEN, A. - TKACOVA, I - KISS, T. - JEX, I - STEFANAK, M. Complete classification of trapping coins for quantum walks on the two-dimensional square lattice. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2020, vol. 102, no. 1, 012207., Registrované v: WOS
11. [1.1] LIU YAN-MEI - CHEN HAN-WU - LIU ZHI-HAO - XUE XI-LING - ZHU WAN-NING. Scattering quantum walk search algorithm on star graph. In *ACTA PHYSICA SINICA*. ISSN 1000-3290, 2015, vol. 64, no. 1, 010301., Registrované v: WOS
12. [1.1] LUOMA, Kimmo - PIILO, Jyrki. Discrete dynamics and non-Markovianity. In *JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS*. ISSN 0953-4075, 2016, vol. 49, no. 12, 125501., Registrované v: WOS
13. [1.1] MAKMAL, Adi - TIERSCH, Markus - GANAHL, Clemens - BRIEGEL, Hans J. Quantum walks on embedded hypercubes: Nonsymmetric and

nonlocal cases. In PHYSICAL REVIEW A. ISSN 2469-9926, 2016, vol. 93, no. 2, ., Registrované v: WOS

14. [1.1] OZHIGOV, Yuri I. - SKOVORODA, Nikita A. - LADUNOV, Vitalii Y. Computer simulation of quantum effects in Tavis Cummings model and its applications. In INTERNATIONAL CONFERENCE ON MICRO- AND NANO-ELECTRONICS 2016. ISSN 0277-786X, 2016, vol. 10224, 102242X., Registrované v: WOS

15. [1.1] SADOWSKI, Przemyslaw - MISZCZAK, Jaroslaw Adam - OSTASZEWSKI, Mateusz. Lively quantum walks on cycles. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2016, vol. 49, no. 37, 375302., Registrované v: WOS

16. [1.1] SADOWSKI, Przemyslaw - PAWELA, Lukasz. Central limit theorem for reducible and irreducible open quantum walks. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2016, vol. 15, no. 7, pp. 2725-2743., Registrované v: WOS

17. [1.1] STRAUCH, Frederick W. Resource Letter QI-1: Quantum Information. In AMERICAN JOURNAL OF PHYSICS. ISSN 0002-9505, 2016, vol. 84, no. 7, pp. 495-507., Registrované v: WOS

ADDA21 SEDLÁK, Michal. Quantum theory of unambiguous measurements. In *Acta Physica Slovaca*, 2009, vol. 59, no. 6, p. 653-792. (2008: 0.724 - IF, Q3 - JCR, 0.499 - SJR, Q2 - SJR). (2009 - WOS, SCOPUS). ISSN 0323-0465. Dostupné na: <https://doi.org/10.2478/v10155-010-0099-3>

Ohlasy:

1. [1.1] CAO, Tian-Qing - GAO, Fei - ZHANG, Zhi-Chao - YANG, Ying-Hui - WEN, Qiao-Yan. Perfect discrimination of projective measurements with the rank of all projectors being one. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2015, vol. 14, no. 7, pp. 2645-2656., Registrované v: WOS

2. [1.1] CARMELI, Claudio - HEINOSAARI, Teiko - TOIGO, Alessandro. State discrimination with postmeasurement information and incompatibility of quantum measurements. In PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 98, no. 1, 012126., Registrované v: WOS

ADDA22 ŠAMAJ, Ladislav. Introduction to integrable many-body systems I. In *Acta Physica Slovaca*, 2008, vol. 58, p. 811-946. Dostupné na: <https://doi.org/10.2478/v10155-010-0093-9>

Ohlasy:

1. [1.1] HOU, Xu-Yang - YAN, H. - GUO, Hao. Thermostatistics of a q-deformed relativistic ideal Fermi gas. In JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT. ISSN 1742-5468, 2020, vol. 2020, no. 11, 113402., Registrované v: WOS

2. [1.1] MATEOS GUILARTE, J. - MORENO MOSQUERA, A. N=2 supersymmetric quantum mechanics of N Lieb-Liniger-Yang bosons on a line. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2017, vol. 132, no. 2, 93., Registrované v: WOS

ADDA23 ŠAMAJ, Ladislav. Introduction to integrable many-body systems II. In *Acta Physica Slovaca*, 2010, vol. 60, no. 2, p. 155-257. (2009: 7.455 - IF, 1.080 - SJR, Q2

- SJR). (2010 - WOS, SCOPUS). ISSN 0323-0465. Dostupné na:
<https://doi.org/10.2478/v10155-010-0002-2>

Ohlasy:

1. [1.1] APPADU, Calan - HOLLOWOOD, Timothy J. - MIRAMONTES, J. Luis - PRICE, Dafydd - SCHMIDT, David M. Giant magnons of string theory in the lambda background. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2017, no. 7, 098., Registrované v: WOS
2. [1.1] GENZOR, Jozef - NISHINO, Tomotoshi - GENDIAR, Andrej. TENSOR NETWORKS: PHASE TRANSITION PHENOMENA ON HYPERBOLIC AND FRACTAL GEOMETRIES. In ACTA PHYSICA SLOVACA. ISSN 0323-0465, 2017, vol. 67, no. 2, pp. 85-205., Registrované v: WOS
3. [1.1] MACIAZEK, Tomasz - WOJTKIEWICZ, Jacek. On the phase diagram of the anisotropic XY chain in transverse magnetic field. In PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS. ISSN 0378-4371, 2016, vol. 441, pp. 131-140., Registrované v: WOS

ADDA24 ŠEBO, Pavol - ŠVEC, Peter - ZEMÁNKOVÁ, Milina - ŠVEC, Peter Jr. - JANIČKOVIČ, D. - ŠTEFÁNIK, Pavol. Joining of Mo and MoSi₂ and their interaction with nickel. In *Kovové materiály*, 2014, roč. 52, č. 6, s. 321 - 327. (2013: 0.546 - IF, Q3 - JCR, 0.462 - SJR, Q2 - SJR, Current Contents - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 0023-432X. Dostupné na:
<https://doi.org/10.4149/km.2014.6.321>

Ohlasy:

1. [1.1] BIESUZ, Mattia - SAUNDERS, Theo G. - GRASSO, Salvatore - SPERANZA, Giorgio - SORARU, Gian D. - CAMPOSTRINI, Renzo - SGLAVO, Vincenzo M. - REECE, Michael J. Flash joining of conductive ceramics in a few seconds by flash spark plasma sintering. In JOURNAL OF THE EUROPEAN CERAMIC SOCIETY. ISSN 0955-2219, 2019, vol. 39, no. 15, pp. 4664-4672., Registrované v: WOS

ADDA25 VANČO, Ľ. - KADLEČÍKOVÁ, M. - BREZA, J. - MICHNIAK, P. - ČEPPAN, M. - REHÁKOVÁ, M. - BELÁNYIOVÁ, E. - BUTVINOVÁ, Beata. Differentiation of selected blue writing inks by surface/enhanced Raman spectroscopy. In *Chemical Papers*, 2015, vol. 69, no. 4, p. 518-526. (2014: 1.468 - IF, Q3 - JCR, 0.378 - SJR, Q2 - SJR, Current Contents - CCC). (2015 - Current Contents). ISSN 0366-6352. Dostupné na:
<https://doi.org/10.1515/chempap-2015-0068>

Ohlasy:

1. [1.1] FIKIET, Marisia A. - KHANDASAMMY, Shelby R. - MISTEK, Ewelina - AHMED, Yasmine - HALAMKOVA, Lenka - BUENO, Justin - LEDNEV, Igor K. Surface enhanced Raman spectroscopy: A review of recent applications in forensic science. In SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY. ISSN 1386-1425, 2018, vol. 197, SI, pp. 255-260., Registrované v: WOS
2. [1.1] KHANDASAMMY, Shelby R. - FIKIET, Marisia A. - MISTEK, Ewelina - AHMED, Yasmine - HALAMKOVA, Lenka - BUENO, Justin - LEDNEV, Igor K. Bloodstains, paintings, and drugs: Raman spectroscopy applications in forensic science. In FORENSIC CHEMISTRY. ISSN 2468-1709, 2018, vol. 8, pp. 111-133., Registrované v: WOS

ADDA26 VESELSKÝ, Martin. Estimation of production cross sections of superheavy elements. In *Acta Physica Slovaca*, 1999, vol. 49, no. 1, p. 101-106. (1999 - Current Contents). ISSN 0323-0465.

Ohlasy:

1. [1.1] LU, Hongliang - BOILLEY, David - ABE, Yasuhisa - SHEN, Caiwan. Synthesis of superheavy elements: Uncertainty analysis to improve the predictive power of reaction models. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2016, vol. 94, no. 3, 034616., Registrované v: WOS

ADDA27 VRŠANSKÝ, Peter** - ŠMÍDOVÁ, Lucia - SENDI, Hemen - BARNA, Peter - MÜLLER, Patrick - ELLENBERGER, Sieghard - WU, H. - REN, Xiaoyin - LEI, Xiaojie - AZAR, Dany - ŠURKA, Juraj - SU, T. - DENG, Weiyudong - SHEN, Xianhui - LV, Jun - BAO, Tong - BECHLY, Günter. Parasitic cockroaches indicate complex states of earliest proved ants. In *Biologia*, 2019, vol. 74, no. 1, p. 65-89. (2018: 0.728 - IF, Q4 - JCR, 0.298 - SJR, Q3 - SJR, Current Contents - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 0006-3088. Dostupné na: <https://doi.org/10.2478/s11756-018-0146-y>

Ohlasy:

1. [1.1] HINKELMAN, Jan - VRSANSKA, Lucia. A Myanmar amber cockroach with protruding feces contains pollen and a rich microcenosis. In *SCIENCE OF NATURE*. ISSN 0028-1042, 2020, vol. 107, no. 2, pp. Dostupné na: <https://doi.org/10.1007/s00114-020-1669-y>., Registrované v: WOS
2. [1.1] HINKELMAN, Jan. Earliest behavioral mimicry and possible food begging in a Mesozoic alienopterid pollinator. In *BIOLOGIA*. ISSN 0006-3088, 2020, vol. 75, no. 1, pp. 83-92., Registrované v: WOS
3. [1.1] HINKELMAN, Jan. Spinaeblattina myanmarensis gen. et sp. nov. and Blatttoothecichnus argenteus ichnogen. et ichnosp. nov. (both Mesoblattinidae) from mid-Cretaceous Myanmar amber. In *CRETACEOUS RESEARCH*. ISSN 0195-6671, 2019, vol. 99, no., pp. 229-239., Registrované v: WOS
4. [1.1] CHEN, Tao - LIU, Shaohua - LE, Xiaojie - CHEN, Lei. A new cockroach (Insecta: Blattaria: Blattulidae) from the Lower Cretaceous Laiyang Formation of China. In *CRETACEOUS RESEARCH*. ISSN 0195-6671, 2019, vol. 101, pp. 17-22., Registrované v: WOS
5. [1.1] LIANG, Junhui - SHIH, Chungkun - WANG, Lixia - REN, Dong. New cockroaches (Insecta, Blattaria, Fuziidae) from the Middle Jurassic Jiulongshan Formation in northeastern China. In *ALCHERINGA*. ISSN 0311-5518, 2019, vol. 43, no. 3, pp. 441-448., Registrované v: WOS
6. [1.1] LI, Jingxia - ZHAO, Xiangdong - GAO, Yunpeng - WANG, Bo - XIAO, Chuantao. Cockroach *Stavba jarzembowskii* sp. nov. (Blattaria: Liberiblattindae) from mid-Cretaceous Burmese amber. In *CRETACEOUS RESEARCH*. ISSN 0195-6671, 2020, vol. 115, no., pp. Dostupné na: <https://doi.org/10.1016/j.cretres.2020.104531>., Registrované v: WOS
7. [1.1] MLYNSKY, Tomas - WU, Hao - KOUBOVA, Ivana. Dominant Burmite cockroach *Jantaropterix ellenbergeri* sp.n. might laid isolated eggs together. In *PALAEONTOGRAPHICA ABTEILUNG A-PALAOZOOLOGIE-STRATIGRAPHIE*. ISSN 0375-0442, 2019, vol. 314, no. 1-3, pp. 69-79., Registrované v: WOS
8. [1.1] QIU (CLYDE QIU), Lu - LIU, Yu-Chao - WANG, Zong-Qing -

- CHE, Yan-Li. The first blattid cockroach (Dictyoptera: Blattodea) in Cretaceous amber and the reconsideration of purported Blattidae. In *CRETACEOUS RESEARCH*. ISSN 0195-6671, 2020, vol. 109, no., pp. Dostupné na: <https://doi.org/10.1016/j.cretres.2019.104359>., Registrované v: WOS
9. [1.1] QIU, Lu - WANG, Zong-Qing - CHE, Yan-Li. A new corydiid cockroach with large holoptic eyes in Upper Cretaceous Burmese amber (Blattodea: Corydiidae: Euthyrrhaphinae). In *CRETACEOUS RESEARCH*. ISSN 0195-6671, 2019, vol. 96, pp. 179-183., Registrované v: WOS
10. [1.1] SMIDOVA, Lucia. Cryptic bark cockroach (Blattinae: Bubosa poinari gen. et sp. nov.) from mid-Cretaceous amber of northern Myanmar. In *CRETACEOUS RESEARCH*. ISSN 0195-6671, 2020, vol. 109, no., pp. Dostupné na: <https://doi.org/10.1016/j.cretres.2020.104383>., Registrované v: WOS
11. [2.1] HINKELMAN, Jan. Earliest behavioral mimicry and possible food begging in a Mesozoic alienopterid pollinator. In *BIOLOGIA*. ISSN 0006-3088, 2020, vol. 75, no. 1, pp. 83-92. Dostupné na: <https://doi.org/10.2478/s11756-019-00278-z>., Registrované v: WOS
12. [3.1] ESTRADA-ÁLVAREZ, J. C. - ROJAS, P. Eremoblatta atticolasp. n. (Corydiidae: Corydiinae), nueva cucaracha mirmecófila de México. In *Acta Zoológica Mexicana (nueva serie)*, 2020, Vol. 36, p. 1-14.
13. [3.1] CHEN, T. - XU, Ch.-P. - CHEN, L. A new cockroach (Insecta: Blattaria: Liberiblattinidae) from Mid-Cretaceous burmese amber. In *Acta Palaeontologica Sinica*, 2020, Vol. 59, N. 1, p. 64-69.
14. [3.1] MAKSOUD, S. - AZAR, D. Lebanese amber: latest updates. In *Palaeoentomology*, 2020, Vol. 3, N. 2, p. 125-155.
15. [4.1] KOUBOVÁ, I. - MLYNSKÝ, T. Two new mid-Cretaceous dictyopterans (Umenocoleidae: Vitisminae) from northern Myanmar exemplify taphonomic bias. In *Amba projekty*, 2020, Vol. 10, N. 1, p. 1-16.

ADDB Scientific papers in domestic journals registered in Current Contents Connect without IF (non-impacted)

ADDB01 ŠEBO, Pavol - ŠVEC, Peter - JANIČKOVIČ, Dušan - ILLEKOVÁ, Emília. Influence of Sb and Cu in Sn-Sb-Cu alloys on wetting of Cu and Cu-solder-Cu joint strength. In *Kovové materiály*, 2010, roč. 48, č. 6, s. 353-359. (2009: 0.468 - SJR, Q1 - SJR, Current Contents - CCC). (2010 - Current Contents). ISSN 0023-432X. Dostupné na: <https://doi.org/10.4149/km-2010-6-353>

Ohlasy:

1. [1.1] CURTULO, Joanisa P. - DIAS, Marcelino - BERTELLI, Felipe - SILVA, Bismarck L. - SPINELLI, Jose E. - GARCIA, Amauri - CHEUNG, Noe. The application of an analytical model to solve an inverse heat conduction problem: Transient solidification of a Sn-Sb peritectic solder alloy on distinct substrates. In *JOURNAL OF MANUFACTURING PROCESSES*. ISSN 1526-6125, 2019, vol. 48, pp. 164-173., Registrované v: WOS
2. [1.1] NOBARI, Amir Hossein - MAALEKIAN, Mehran - SEELIG, Karl - PEKGULERYUZ, Mihriban. Effect of Sb on wetting behavior of near eutectic Sn-Cu solder micro-alloyed with Ni and Ge. In *SOLDERING & SURFACE MOUNT TECHNOLOGY*. ISSN 0954-0911, 2016, vol. 28, no. 2, pp. 93-100., Registrované v: WOS

**ADEA Scientific papers in other foreign journals not registered in Current Contents
Connect with IF (impacted)**

ADEA01 ADAMUŠČIN, Cyril - DUBNIČKA, Stanislav - DUBNIČKOVÁ, A.Z. -
WEISENPACHER, Peter. A unitary and analytic model of nucleon EM structure,
the puzzle of JLab proton polarization data and new insight into the proton charge
distribution. In *Progress in Particle and Nuclear Physics*, 2005, vol. 55, no. 1, p.
228-241. (2004: 2.330 - IF). ISSN 0146-6410. Dostupné na:
<https://doi.org/10.1016/j.pnpnp.2005.01.017>

Ohlasy:

1. [1.1] BIANCONI, Andrea - TOMASI-GUSTAFSSON, Egle. Periodic
Interference Structures in the Timelike Proton Form Factor. In *PHYSICAL
REVIEW LETTERS*. ISSN 0031-9007, 2015, vol. 114, no. 23, pp., Registrované
v: WOS
2. [1.1] BIANCONI, Andrea - TOMASI-GUSTAFSSON, Egle. Fourth
dimension of the nucleon structure: Spacetime analysis of the timelike
electromagnetic proton form factors. In *PHYSICAL REVIEW C*. ISSN
2469-9985, 2017, vol. 95, no. 1, 015204., Registrované v: WOS
3. [1.1] BIANCONI, Andrea - TOMASI-GUSTAFSSON, Egle. Soft
rescattering in the timelike proton form factor within a spacetime scheme. In
PHYSICAL REVIEW C. ISSN 2469-9985, 2018, vol. 98, no. 5, 055204.,
Registrované v: WOS
4. [1.1] BIANCONI, A. - TOMASI-GUSTAFSSON, E.
Phenomenological analysis of near-threshold periodic modulations of the proton
timelike form factor. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2016, vol.
93, no. 3, pp., Registrované v: WOS
5. [1.1] HAGELSTEIN, Franziska - MISKIMEN, Rory -
PASCALUTSA, Vladimir. Nucleon polarizabilities: From Compton scattering to
hydrogen atom. In *PROGRESS IN PARTICLE AND NUCLEAR PHYSICS*.
ISSN 0146-6410, 2016, vol. 88, no., pp. 29-97., Registrované v: WOS
6. [1.1] PACETTI, Simone - FERROLI, Rinaldo Baldini -
TOMASI-GUSTAFSSON, Egle. Proton electromagnetic form factors: Basic
notions, present achievements and future perspectives. In *PHYSICS
REPORTS-REVIEW SECTION OF PHYSICS LETTERS*. ISSN 0370-1573,
2015, vol. 550, pp. 1-103., Registrované v: WOS

ADEA02 BARTOŠ, Erik - KURAEV, E.A. - SEČANSKÝ, Michal. Radiative
corrections to muon decay in leading and next-to-leading approximation for electron
spectrum. In *Physics of Particles and Nuclei Letters*, 2009, vol. 6, no. 5, p. 365-367.
(2008: 0.154 - SJR, Q3 - SJR). ISSN 1547-4771. Dostupné na:
<https://doi.org/10.1134/S1547477109050033>

Ohlasy:

1. [1.2] ARBUZOV, A. B. Leading and Next-to-Leading Logarithmic
Approximations in Quantum Electrodynamics. In *Physics of Particles and Nuclei*.
ISSN 10637796, 2019, vol. 50, no. 6, pp. 721-825., Registrované v: SCOPUS
2. [1.2] WOO, Neal - ESSICK, John. Determining the muon mass using
a scintillator-based detector. In *AMERICAN JOURNAL OF PHYSICS*. ISSN
00029505, 2017, vol. 85, no. 8, pp. 611-618., Registrované v: SCOPUS

- ADEA03 DEL DEBBIO, L. - FABER, M. - GREENSITE, J. - OLEJNÍK, Štefan. Some cautionary remarks on Abelian projection and Abelian dominance. In *Nuclear Physics - Proceedings Supplements*, 1997, vol. 53, p. 141-147. ISSN 0920-5632.
Ohlasy:
1. [1.1] KONDO, Kei-Ichi - KATO, Seikou - SHIBATA, Akihiro - SHINOHARA, Toru. Quark confinement: Dual superconductor picture based on a non-Abelian Stokes theorem and reformulations of Yang-Mills theory. In *PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS*. ISSN 0370-1573, 2015, vol. 579, pp. 1-226., Registrované v: WOS
- ADEA04 KOVÁČ, Jozef - ŠVEC, Peter - ŠKORVÁNEK, Ivan. Magnetocaloric effect in amorphous and nanocrystalline FeCrNbBCu alloys. In *Reviews on Advanced Materials Science*, 2008, vol. 18, no. 6, p. 533-535. (2007: 1.122 - IF, Q2 - JCR, 0.722 - SJR, Q1 - SJR). (2008 - WOS, SCOPUS). ISSN 1606-5131.
Ohlasy:
1. [1.1] MORENO-RAMIREZ, L. M. - BLAZQUEZ, J. S. - FRANCO, V. - CONDE, A. - MARSILIUS, M. - BUDINSKY, V. - HERZER, G. Magnetocaloric response of amorphous and nanocrystalline Cr-containing Vitroperm-type alloys. In *JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS*. ISSN 0304-8853, 2016, vol. 409, pp. 56-61., Registrované v: WOS
2. [1.1] NGUYEN HUY DAN - NGUYEN HAI YEN - PHAM THI THANH. Magnetocaloric Effect and Critical Behavior in Fe-Dy-Zr Rapidly Quenched Alloys. In *JOURNAL OF ELECTRONIC MATERIALS*. ISSN 0361-5235, 2016, vol. 45, no. 10, pp. 5058-5063., Registrované v: WOS
3. [1.1] THANVEER, T. - RAMANUJAN, R. V. - THOMAS, S. Magnetocaloric effect in amorphous and partially crystallized Fe₄₀Ni₃₈Mo₄B₁₈ alloys. In *AIP ADVANCES*. ISSN 2158-3226, 2016, vol. 6, no. 5., Registrované v: WOS
- ADEA05 MARKOŠ, Peter - SOUKOULIS, C.M. Transmission properties and effective electromagnetic parameters of double negative metamaterials. In *Optics Express*, 2003, vol. 11, no. 7, p. 649-661. Dostupné na: <https://doi.org/10.1364/OE.11.000649>
Ohlasy:
1. [1.1] ABDELKARIM, Mahdi - NAOUI, Seif - LATRACH, Lassad - GHARSALLAH, Ali. Radiation Efficiency Improvement of RFID Patch Antenna Using Metamaterials. In *2017 INTERNATIONAL CONFERENCE ON GREEN ENERGY & CONVERSION SYSTEMS (GECS)*, 2017., Registrované v: WOS
2. [1.1] ABEDI, Reza - AMIRKHIZI, Alireza. Use of loss limit approach to zero in scattering-based parameter retrieval of elastic micro-structured media. In *INTERNATIONAL JOURNAL OF SOLIDS AND STRUCTURES*. ISSN 0020-7683, 2020, vol. 200, pp. 34-63., Registrované v: WOS
3. [1.1] AHSAN, Syed - KOUTSOUPIDOU, Maria - RAZZICCHIA, Eleonora - SOTIRIOU, Ioannis - KOSMAS, Panagiotis. Advances towards the Development of a Brain Microwave Imaging Scanner. In *2019 13TH EUROPEAN CONFERENCE ON ANTENNAS AND PROPAGATION (EUCAP)*. ISSN 2164-3342, 2019., Registrované v: WOS
4. [1.1] ALADADI, Yosef T. - ALKANHAL, Majeed A. S. Extraction of metamaterial constitutive parameters based on data-driven discontinuity

- detection. In OPTICAL MATERIALS EXPRESS. ISSN 2159-3930, 2019, vol. 9, no. 9, pp. 3765-3780., Registrované v: WOS
5. [1.1] ALAVIKIA, Babak - KABIRI, Ali - RAMAHI, Omar M. Poynting theorem constraints on the signs of the imaginary parts of the electromagnetic constitutive parameters. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA A-OPTICS IMAGE SCIENCE AND VISION. ISSN 1084-7529, 2015, vol. 32, no. 4, pp. 522., Registrované v: WOS
 6. [1.1] ANDRIYCHUK, Mykhaylo - SENYK, Volodymyr. Radiation Properties of Plane Array Consisting of Impedance Microparticles. In 2018 XIVTH INTERNATIONAL CONFERENCE ON PERSPECTIVE TECHNOLOGIES AND METHODS IN MEMS DESIGN (MEMSTECH). ISSN 2573-5357, 2018, pp. 170-173., Registrované v: WOS
 7. [1.1] AZIZ, Rao Shahid - KIM, Tae-Wan - PARK, Jae-Seok - RYU, Young-Ho - PARK, Seong-Ook. EM lens design using thin planar metasurfaces for high antenna gain and low SLL applications. In IET MICROWAVES ANTENNAS & PROPAGATION. ISSN 1751-8725, 2019, vol. 13, no. 7, pp. 950-958., Registrované v: WOS
 8. [1.1] BOBOWSKI, J. S. Probing split-ring resonator permeabilities with loop-gap resonators. In CANADIAN JOURNAL OF PHYSICS. ISSN 0008-4204, 2018, vol. 96, no. 8, pp. 878-886., Registrované v: WOS
 9. [1.1] DAS, Sanghamitro - HOANG-LINH NGUYEN - BABU, G. Naveen - IYER, Ashwin K. Free-Space Focusing at C-Band Using a Flat Fully Printed Multilayer Metamaterial Lens. In IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION. ISSN 0018-926X, 2015, vol. 63, no. 11, pp. 4702., Registrované v: WOS
 10. [1.1] DUKATA, Andrzej - SUSEK, Waldemar. Transmission parameters of an anisotropic layered structure in the waveguide. In RADIOELECTRONIC SYSTEMS CONFERENCE 2019. ISSN 0277-786X, 2020, vol. 11442, UNSP 114420A., Registrované v: WOS
 11. [1.1] FAKHERI, Mohammad Hosein - ABDOLALI, Ali. Application of transformation optics in radar cross section reduction of targets with arbitrary two-dimensional geometries. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2019, vol. 125, no. 23, 234901., Registrované v: WOS
 12. [1.1] GAO, Peng - AI, Jingjing - KANG, Yongqiang - ZHANG, Chunmin. Realization of the ultrawideband negative index metamaterials by its multiple-band. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS. ISSN 0740-3224, 2016, vol. 33, no. 3, pp. 474-478., Registrované v: WOS
 13. [1.1] GU, Qiongchan - HU, Sheng - JIANG, Xiaoxiao - LV, Jiangtao. Investigation of Geometric Parameters on Metamaterials in Terahertz and Infrared Frequencies. In NANOSCIENCE AND NANOTECHNOLOGY LETTERS. ISSN 1941-4900, 2017, vol. 9, no. 6, pp. 909-914., Registrované v: WOS
 14. [1.1] CHENG, Chuanbing - YAN, Kelan - FAN, Runhua - QIAN, Lei - ZHANG, Zidong - SUN, Kai - CHEN, Min. Negative permittivity behavior in the carbon/silicon nitride composites prepared by impregnation-carbonization approach. In CARBON. ISSN 0008-6223, 2016, vol. 96, no., pp. 678-684., Registrované v: WOS
 15. [1.1] CHEN, XiaoFeng - ZHAO, YongJiu. Dual-band polarization and frequency reconfigurable antenna using double layer metasurface. In

AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS. ISSN 1434-8411, 2018, vol. 95, pp. 82-87., Registrované v: WOS

16. [1.1] IQBAL, N. - CHOUDHURY, P. K. Scattering due to twisted PEC cylinder coated with chiral/chiroferrite mediums. In OPTIK. ISSN 0030-4026, 2016, vol. 127, no. 17, pp. 7030-7039., Registrované v: WOS

17. [1.1] JAIN, Prince - SINGH, Arvind K. - PANDEY, Janmejay K. - GARG, Sahil - BANSAL, Shonak - AGARWAL, Mayank - KUMAR, Sanjeev - SARDANA, Neha - GUPTA, Neena - SINGH, Arun K. Ultra-thin metamaterial perfect absorbers for single-/dual-/multi-band microwave applications. In IET MICROWAVES ANTENNAS & PROPAGATION. ISSN 1751-8725, 2020, vol. 14, no. 5, pp. 390-396., Registrované v: WOS

18. [1.1] JIMENEZ, N. - ROMERO-GARCIA, V. - CEBRECOS, A. - PICO, R. - SANCHEZ-MORCILLO, V. J. - GARCIA-RAFFI, L. M. Broadband quasi perfect absorption using chirped multi-layer porous materials. In AIP ADVANCES. ISSN 2158-3226, 2016, vol. 6, no. 12, 121605., Registrované v: WOS

19. [1.1] KAMRAN, Muhammad - FARYAD, Muhammad. Anti-reflection coatings of zero-index metamaterial for solar cells. In AIP ADVANCES, 2020, vol. 10, no. 2, 025010., Registrované v: WOS

20. [1.1] KHANDELWAL, Mukesh K. - ARORA, Aditya - KUMAR, Sachin - KIM, Kang Wook - CHOI, Hyun Chul. Dual band double negative (DNG) metamaterial with small frequency ratio. In JOURNAL OF ELECTROMAGNETIC WAVES AND APPLICATIONS. ISSN 0920-5071, 2018, vol. 32, no. 17, pp. 2167-2181., Registrované v: WOS

21. [1.1] KHANDELWAL, M.K. et. al., Miniaturization of DNG metamaterial. In MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, 2017, vol. 59, no. 4, pp. 862-865., Registrované v: WOS

22. [1.1] KHANNA, Yogita - AWASTHI, Y. K. Ultra-Thin Wideband Polarization-Insensitive Metasurface Absorber for Aviation Technology. In JOURNAL OF ELECTRONIC MATERIALS. ISSN 0361-5235, 2020, vol. 49, no. 11, pp. 6410-6416., Registrované v: WOS

23. [1.1] KISHOR, Kamal - BAITHA, Monu Nath - SINHA, R. K. Design and simulation of "I" shaped split ring resonator metamaterial at optical communication window around 1.55 μ m. In OPTIK. ISSN 0030-4026, 2015, vol. 126, no. 23, pp. 4708., Registrované v: WOS

24. [1.1] LEE, Dongju - NGUYEN TOAN TRUNG - MOON, Un-Chul - LIM, Sungjoon. Optimal parameter retrieval for metamaterial absorbers using the least-square method for wide incidence angle insensitivity. In APPLIED OPTICS. ISSN 1559-128X, 2017, vol. 56, no. 16, pp. 4670-4674., Registrované v: WOS

25. [1.1] LI, Q. L. - CHEUNG, S. W. - WU, Di - YUK, T. I. Microwave Lens Using Periodic Dielectric Sheets for Antenna-Gain Enhancement. In IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION. ISSN 0018-926X, 2017, vol. 65, no. 4, pp. 2068-2073., Registrované v: WOS

26. [1.1] LU, Guizhen - DUAN, Zhonghang - YIN, Hongcheng - XIAO, Zhihe - ZHANG, Jing. Determining the Effective Electromagnetic Parameters of Photonic Crystal by Phase Unwrapping and Denoising Method. In INTERNATIONAL JOURNAL OF ANTENNAS AND PROPAGATION. ISSN 1687-5869, 2019, 8513150., Registrované v: WOS

27. [1.1] NGUYEN THANH TUNG. Comment on "Analysis of single-layer metamaterial absorber with reflection theory" [J. Appl. Phys. 117, 154906 (2015)]. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2016, vol. 119, no. 9, 096101., Registrované v: WOS
28. [1.1] RAJAK, Neha - CHATTORAJ, Neela. Design and Analysis of a Bandwidth Enhanced Antenna Based on Metasurface For Wireless Applications. In 2016 IEEE UTTAR PRADESH SECTION INTERNATIONAL CONFERENCE ON ELECTRICAL, COMPUTER AND ELECTRONICS ENGINEERING (UPCON), 2016, vol., no., pp. 367-371., Registrované v: WOS
29. [1.1] RAJAK, Neha - CHATTORAJ, Neela - MARK, Robert. Metamaterial cell inspired high gain multiband antenna for wireless applications. In AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS. ISSN 1434-8411, 2019, vol. 109, pp. 23-30., Registrované v: WOS
30. [1.1] SHAJI, Athul - MENON, Sreedevi K. Artificial Anisotropic Material for Gain Enhancement of Vivaldi Antenna. In 2018 SECOND INTERNATIONAL CONFERENCE ON ADVANCES IN ELECTRONICS, COMPUTERS AND COMMUNICATIONS (ICAECC), 2018., Registrované v: WOS
31. [1.1] SINGH, Leena - SINGH, Ranjan - ZHANG, Weili. Ultra-high terahertz index in deep subwavelength coupled bi-layer free-standing flexible metamaterials. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2017, vol. 121, no. 23, 233103., Registrované v: WOS
32. [1.1] SUN, K. - FAN, R. H. - ZHANG, Z. D. - YAN, K. L. - ZHANG, X. H. - XIE, P. T. - YU, M. X. - PAN, S. B. The tunable negative permittivity and negative permeability of percolative Fe/Al₂O₃ composites in radio frequency range. In APPLIED PHYSICS LETTERS. ISSN 0003-6951, 2015, vol. 106, no. 17, p172902, Registrované v: WOS
33. [1.1] TIWARI, D. C. - DIPAK, Pukhrambam - DWIVEDI, Shailendra K. - SHAMI, T. C. - DWIVEDI, Prabhat. PPy/TiO₂(np)/CNT polymer nanocomposite material for microwave absorption. In JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS. ISSN 0957-4522, 2018, vol. 29, no. 2, pp. 1643-1650., Registrované v: WOS
34. [1.1] YILMAZ, Hasan Onder - YAMAN, Fatih. Metamaterial Antenna Designs for a 5.8-GHz Doppler Radar. In IEEE TRANSACTIONS ON INSTRUMENTATION AND MEASUREMENT. ISSN 0018-9456, 2020, vol. 69, no. 4, pp. 1775-1782., Registrované v: WOS
35. [1.1] ZHANG, Tao - ZHANG, Jian - WEN, Guangwu - ZHONG, Bo - XIA, Long - HUANG, Xiaoxiao - ZHAO, Hu - WANG, Huatao - QIN, Luchang. Ultra-light h-BCN architectures derived from new organic monomers with tunable electromagnetic wave absorption. In CARBON. ISSN 0008-6223, 2018, vol. 136, pp. 345-358., Registrované v: WOS

ADEA06 NAGY, Juraj - BALOG, Martin - SIMANČÍK, František - IŽDINSKÝ, Karol - JANIČKOVIČ, Dušan - ŠVEC, Peter. Consolidation of rapidly solidified Al-based particles using equal channel angular pressing (ECAP). In *Reviews on Advanced Materials Science*, 2008, vol. 18, no. 7, p. 608-615. (2007: 1.122 - IF, Q2 - JCR, 0.722 - SJR, Q1 - SJR). (2008 - WOS, SCOPUS). ISSN 1606-5131.

Ohlasy:

1. [1.1] SARAVANAN, M. S. Senthil - BABU, S. P. Kumaresh.

Synthesis, Characterization, and ECAP Consolidation of Carbon Nanotube Reinforced AA 4032 Nanocrystalline Composites Produced by High Energy Ball Milling. In JOURNAL OF ENGINEERING MATERIALS AND TECHNOLOGY-TRANSACTIONS OF THE ASME. ISSN 0094-4289, 2015, vol. 137, no. 2, pp., Registrované v: WOS

- ADEA07 SIDOROV, V. - BYKOV, V. - UPOROV, S. - SHEVCHENKO, V. - KONONENKO, V. - SHUNYAEV, K. - ILINYKH, N. - ŠVEC, Peter - JANIČKOVIČ, Dušan. Magnetic properties of dilute Al-REM alloys in liquid and amorphous states. In *Journal of Physics: Conference Series*, 2008, vol. 98, part 6, u676-U681. ISSN 1742-6596. Dostupné na: <https://doi.org/10.1088/1742-6596/98/6/062037>
Ohlasy:
1. [1.1] OHNO, Satoru - SHIMAKURA, Hironori - TAHARA, Shuta - OKADA, Tatsuya. Magnetic Properties of Liquid Gd-TM (TM = Mn, Fe, Co, Ni) Alloys. In JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN. ISSN 0031-9015, 2016, vol. 85, no. 12, 124715., Registrované v: WOS

ADEB Scientific papers in other foreign journals not registered in Current Contents Connect without IF (non-impacted)

- ADEB01 ADAMUŠČIN, Cyril - DUBNIČKA, Stanislav - DUBNIČKOVÁ, A.Z. Implications of the new proton charge rms radius from spectroscopy of muon hydrogen atom. In *Nuclear Physics B - Proceedings Supplements*, 2011, vol. 219, p. 178-184. ISSN 0920-5632. Dostupné na: <https://doi.org/10.1016/j.nuclphysbps.2011.10.093>
Ohlasy:
1. [1.1] POHL, Randolph. Laser Spectroscopy of Muonic Hydrogen and the Puzzling Proton. In JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN. ISSN 0031-9015, 2016, vol. 85, no. 9, 091003., Registrované v: WOS
- ADEB02 DUHAJ, Pavol - IVAN, Jozef - MAKOVICKÝ, Emil. Sigma-phase precipitation in austenitic steels. In *Journal of the Iron and Steel Institute*, 1968, vol. 206, p. 1245-1251. ISSN 0021-1567.
Ohlasy:
1. [1.1] HUANG, Shih-Ju - CHANG, Liuwen - SHYR, Tien-Wei. Characterization of microtexture of 316L stainless steel fiber after multi-pass drawing by electron backscatter diffraction. In MATERIALS CHARACTERIZATION. ISSN 1044-5803, 2018, vol. 141, pp. 338-347., Registrované v: WOS
2. [1.1] KRÁL, Petr - DVORAK, Jiri - SKLENICKA, Vaclav - HORITA, Zenji - TAKIZAWA, Yoichi - TANG, Yongpeng - KVAPILOVA, Marie - SVOBODOVA, Marie. Effect of ultrafine-grained microstructure on creep behaviour in 304L austenitic steel. In MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING. ISSN 0921-5093, 2020, vol. 785, 139383., Registrované v: WOS
3. [1.1] MAHAFFEY, Jacob - BRITTAN, Andrew - GUCKENBERGER, Aaron - COUET, Adrien - FIELD, Kevin G. Evaluation of post-weld heat treatments applied to FeCrAl alloy weldments. In JOURNAL OF NUCLEAR MATERIALS. ISSN 0022-3115, 2019, vol. 515, pp. 160-169.,

Registrované v: WOS

4. [1.1] MAJI, Bikas C. - KRISHNAN, Madangopal - VERMA, Amit - BASU, R. - SAMAJDAR, I. - RAY, Ranjit K. Effect of Pre-straining on the Shape Recovery of Fe-Mn-Si-Cr-Ni Shape Memory Alloys. In METALLURGICAL AND MATERIALS TRANSACTIONS A-PHYSICAL METALLURGY AND MATERIALS SCIENCE. ISSN 1073-5623, 2015, vol. 46A, no. 2, pp. 639-655., Registrované v: WOS
5. [1.1] NANDAKUMAR, T. - SURESH, Girija - MUDALI, U. Kamachi. Effect of Microstructure of 304L SS and Thermal Aging of 304L SS Weld on the Corrosion Behavior in Simulated High Level Waste. In TRANSACTIONS OF THE INDIAN INSTITUTE OF METALS. ISSN 0972-2815, 2018, vol. 71, no. 1, pp. 167-176., Registrované v: WOS
6. [1.1] WAN, Jianquan - RUAN, Haihui - WANG, Jianbiao - SHI, Sanqiang. The Kinetic diagram of sigma phase and its precipitation hardening effect on 15Cr-2Ni duplex stainless steel. In MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING. ISSN 0921-5093, 2018, vol. 711, pp. 571-578., Registrované v: WOS
7. [1.2] ADEYEMI, A. A. - AKINLABI, E. T. - MAHAMOOD, R. M. Microstructural evolution of laser metal deposited 17-4 PH SS-tungsten composite with varying volume percent tungsten. In Annals of "Dunarea de Jos" University of Galati, Fascicle XII, Welding Equipment and Technology. ISSN 12214639, 2018-01-01, 2018, pp. 41-46., Registrované v: SCOPUS
8. [1.2] ALTIERI, Welder - FALDINI, Sonia - VATAVUK, Jan. An overview of sigma phase formation in 317L grade austenitic stainless steel. In METAL 2017 26th International Conference on Metallurgy and Materials, Conference Proceedings, 2017-01-01, 2017-January, pp. 719-724., Registrované v: SCOPUS
9. [1.2] SHEN, Yinzong - ZHOU, Xiaoling - SHI, Tiantian - HUANG, Xi - SHANG, Zhongxia - LIU, Wenwen - JI, Bo - XU, Zhiqiang. Sigma phases in an 11%Cr ferritic/martensitic steel with the normalized and tempered condition. In Materials Characterization. ISSN 10445803, 2016-12-01, 122, pp. 113-123., Registrované v: SCOPUS

ADEB03 GMUCOVÁ, Katarína - MORVOVÁ, M. - HAVRÁNEK, E. - KLIMAN, Ján - KOŠINÁR, I. - KUNECOVÁ, D. - MALAKHOV, A.I. - ANISIMOV, Yu.S. - MORVA, I. - SIVÁČEK, I. - SÝKOROVÁ, M. - ŠATKA, A. Carbonized waste for the cut-down of environmental pollution with heavy metals. In *Physics of Particles and Nuclei Letters*, 2011, vol. 8, no. 4, p. 405-411. (2010: 0.201 - SJR, Q3 - SJR). (2011 - SCOPUS). ISSN 1547-4771. Dostupné na: <https://doi.org/10.1134/S1547477111040091>

Ohlasy:

1. [1.1] PRAVEENA, Sarva Mangala - RASHID, Umer - RASHID, Suraya Abdul. Application of activated carbon from banana stem waste for removal of heavy metal ions in greywater using a Box-Behnken design approach. In ENVIRONMENTAL TECHNOLOGY, 2020, vol. 41, no. 25, p. 3363-3374., Registrované v: WOS

ADEB04 ILLEKOVÁ, Emília - ŠVEC, Peter - JANIČKOVIČ, Dušan. Influence of the processing on the ordering process in the Al-Ti binary system with composition

close to Al(3)Ti. In *Journal of Physics: Conference Series*, 2009, vol. 144, 012111.
Dostupné na: <https://doi.org/10.1088/1742-6596/144/1/012111>

Ohlasy:

1. [1.1] FANG, C. M. - FAN, Z. An ab initio study on stacking and stability of TiAl₃ phases. In *COMPUTATIONAL MATERIALS SCIENCE*. ISSN 0927-0256, 2018, vol. 153, pp. 309-314., Registrované v: WOS
2. [1.1] KAHROBAEE, Z. - PALM, M. Critical Assessment of the Al-Ti-Zr System. In *JOURNAL OF PHASE EQUILIBRIA AND DIFFUSION*. ISSN 1547-7037, 2020, vol. 41, no. 5, pp. 687-701., Registrované v: WOS

ADEB05 JERGEL, Matej - MIKULIK, P. - MAJKOVÁ, Eva - LUBY, Štefan - SENDERÁK, Rudolf - PINČÍK, Emil - BRUNEL, M. - HUDEK, Peter - KOSTIČ, Ivan - KONEČNÍKOVÁ, Anna. W/Si multilayer gratings for X-UV optics. In *Materials Structure in Chemistry, Biology, Physics and Technology*, 1999, vol. 6, no. 1, p. 11-14. ISSN 1211-5894. Dostupné na internete:
<<http://www.xray.cz/ms/bul99-1/jergel1.pdf>>

Ohlasy:

1. [1.2] PERSHIN, Yu P. - DEVIZENKO, A. Yu - KONDRATENKO, V. V. - MODROW, H. - HORMES, F. J. Structural and X-ray-optical characteristics of the W/Si multilayer X-ray mirrors. In *Metallofizika i Noveishie Tekhnologii*. ISSN 10241809, 2016-01-01, 38, 3, pp. 367-388., Registrované v: SCOPUS

ADEB06 ŠIFFALOVIČ, Peter - VÉGSO, Karol - JERGEL, Matej - MAJKOVÁ, Eva - KECKES, J. - MAIER, G.A. - CORNEJO, M. - ZIBERI, B. - FROST, F. - HASSE, B. - WIESMANN, J. Measurement of nanopatterned surfaces by real and reciprocal space techniques. In *Measurement Science Review*, 2010, vol. 10, no. 5, p. 153-156. (2009: 0.115 - SJR, Q4 - SJR). (2010 - WOS, SCOPUS). ISSN 1335-8871.
Dostupné na: <https://doi.org/10.2478/v10048-010-0027-1>

Ohlasy:

1. [1.1] HEXEMER, Alexander - MUELLER-BUSCHBAUM, Peter. Advanced grazing-incidence techniques for modern soft-matter materials analysis. In *IUCRJ*. ISSN 2052-2525, 2015, vol. 2, pp. 106-125., Registrované v: WOS

ADEB07 ŠVAJDLENKOVÁ, Helena - ISKROVÁ, Martina, Miklošovičová - ŠAUŠA, Ondrej - DLUBEK, G. - KRIŠTIAK, Jozef - BARTOŠ, Josef. The spin probe dynamics and the free volume in a series of amorphous polymer glass-formers. In *Macromolecular Symposia*, 2011, vol. 305, p. 108 - 115. (2010: 0.438 - SJR, Q2 - SJR). ISSN 1022-1360. Dostupné na: <https://doi.org/10.1002/masy.201000103>

Ohlasy:

1. [1.1] CAPPONI, S. - ALVAREZ, F. - RACKO, D. Free Volume in a PVME Polymer-Water Solution. In *MACROMOLECULES*. ISSN 0024-9297, JUN 23 2020, vol. 53, no. 12, p. 4770-4782., Registrované v: WOS
2. [1.1] SUNDARARAJAN, P.R. Small molecule self-assembly in polymer matrices. In *JOURNAL OF POLYMER SCIENCE PART B-POLYMER PHYSICS*. ISSN 0887-6266, MAR 15 2018, vol. 56, no. 6, p. 451-478., Registrované v: WOS
3. [1.2] SUNDARARAJAN, P.R. Physical Aspects of Polymer

Self-Assembly. (2016) Physical Aspects of Polymer Self-Assembly, p. 1-368.
DOI: 10.1002/9781118994405, Registrované v: Scopus

- ADEB08 ŠVEC, Peter Jr. - TURČANOVÁ, Jana - JANIČKOVIČ, Dušan - ŠKORVÁNEK, Ivan - ŠVEC, Peter. Interplanar spacings of complex Fe-Ni phases in rapidly quenched Fe-Ni-Nb-B systems. In *Journal of Physics: Conference Series*, 2009, vol. 144, 012092. (2008: 0.264 - SJR, Q3 - SJR). (2009 - WOS, SCOPUS). ISSN 1742-6588. Dostupné na: <https://doi.org/10.1088/1742-6596/144/1/012092>
Ohlasy:
1. [1.1] CHEN, Zhe - ZHU, Qian-Ke - ZHANG, Shu-Ling - ZHANG, Ke-Wei - JIANG, Yong. Thermal stability, crystallization, and magnetic properties of FeNiBCuNb alloys. In CHINESE PHYSICS B. ISSN 1674-1056, 2019, vol. 28, no. 8, art. no. 087502., Registrované v: WOS
- ADEB09 ŠVEC, Peter Jr. - ŠVEC, Peter - MAŤKO, Igor - ŠKORVÁNEK, Ivan - KOVÁČ, Jozef - JANIČKOVIČ, Dušan - VLASÁK, Gabriel. Phase Transformations in Amorphous Bilayer Ribbons. In *Solid State Phenomena*, 2011, vol. 172-174, p. 953-958. (2010: 0.197 - SJR, Q3 - SJR). (2011 - WOS, SCOPUS). ISSN 1012-0394. Dostupné na: <https://doi.org/10.4028/www.scientific.net/SSP.172-174.953>
Ohlasy:
1. [1.1] PANDA, A. K. - DEY, Sushmita - ROY, R. K. - SINGH, Satnam - MITRA, A. Influence of phase transformation on interfacial activity and bend sensitivity of rapidly quenched Fe_{77.5}Si_{7.5}B₁₅/Co_{72.5}Si_{12.5}B₁₅ bilayered magnetostrictive ribbons. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2015, vol. 378, pp. 440-446., Registrované v: WOS
2. [1.1] ZIVOTSKY, O. - TITOV, A. - JIRASKOVA, Y. - BURSÍK, J. - HENDRYCH, A. - HRABOVSKA, K. - TSEPELEV, V. S. Surface and bulk magnetic anisotropy in bilayered CoSiB/FeNbCuSiB and FeNbSiB/FeSiB ribbons. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2016, vol. 681, pp. 402-411., Registrované v: WOS
- ADEB10 TURČANOVÁ, Jana - MARCIN, Jozef - KOVÁČ, Jozef - JANIČKOVIČ, Dušan - ŠVEC, Peter - ŠKORVÁNEK, Ivan. Magnetic and Mechanical Properties of Nanocrystalline Fe-Ni-Nb-B alloys. In *Journal of Physics: Conference Series*, 2009, vol. 144, art. no. 012065. (2008: 0.264 - SJR, Q3 - SJR). (2009 - WOS, SCOPUS). ISSN 1742-6588. Dostupné na: <https://doi.org/10.1088/1742-6596/144/1/012065>
Ohlasy:
1. [1.1] LI, Z. - PARSONS, R. - ZANG, B. - KISHIMOTO, H. - SHOJI, T. - KATO, A. - KAREL, J. - SUZUKI, K. Dramatic grain refinement and magnetic softening induced by Ni addition in Fe-B based nanocrystalline soft magnetic alloys. In SCRIPTA MATERIALIA. ISSN 1359-6462, 2020, vol. 181, pp. 82-85., Registrované v: WOS

ADFB Scientific papers in other domestic journals not registered in Current Contents Connect without IF (non-impacted)

- ADFB01 BUTVINOVÁ, Beata - BUTVIN, Pavol - ILLEKOVÁ, Emília - ŠVEC, Peter - VLASÁK, Gabriel - JANIČKOVIČ, Dušan - KADLEČÍKOVÁ, M. Impact of phosphorus for boron substitution on magnetic properties of magnetostrictive

finemets. In *Acta Electrotechnica et Informatica*, 2013, vol. 13, no. 1, p. 78-81. ISSN 1335-8243.

Ohlasy:

1. [1.1] KURNIAWAN, M.- KEYLIN, V.- McHENRY M.E.: Alloy substituents for cost reduction in soft magnetic materials. In *JOURNAL OF MATERIALS RESEARCH*, 2015, vol. 30 (08), P. 1072-1077.
2. [1.1] KURNIAWAN, M.- KEYLIN, V.- McHENRY M.E.: Effect of alloy substituents on soft magnetic properties and economics of Fe-based and Co-based alloys. In *JOURNAL OF MATERIALS RESEARCH*, 2015, vol. 30 (14), p. 1-77.

ADFB02 FIDRÍKOVÁ, Danica - KUBIČÁR, Ľudovít. The use of the hot-ball method for observing the transport of moisture in porous stones. In *Slovak Journal of Civil Engineering*, 2012, vol. 20, no. 3, p. 9-14. ISSN 1210-3896.

Ohlasy:

1. [4.1] FLORES CUAUTLE, J. J. A. - ARIAS, N. P. - SANDOVAL GONZALEZ, O. O. - et al. Investigation of Thermal Conductivity by Hot Ball Method and its Correlation with Soil Quality Index of Veracruz Sugarcane Soil. In *SUGAR TECH*, 2019, vol. 21, no. 3, pp. 407-414.

ADFB03 MARCIN, Jozef - CAPIK, Marek - KOVÁČ, Jozef - ŠVEC, Peter Jr. - PETRYSHYNETS, Ivan - KOVÁČ, František - ŠKORVÁNEK, Ivan. Tuning of magnetic properties and domain structure in FeCo- and FeSi-based soft magnetic alloys by thermal processing under magnetic field. In *Acta electrotechnica et informatica*, 2013, vol. 13, no. 1, p. 91-94. ISSN 1335-8243.

Ohlasy:

1. [1.1] SATO, Takeru - TODAKA, Takashi. Effect of Magnetic Annealing on Magnetic Characteristic of Amorphous Wound Core. In *IEEE TRANSACTIONS ON MAGNETICS*. ISSN 0018-9464, 2018, vol. 54, no. 11, pp., Registrované v: WOS
2. [1.1] SCHEUNERT, G. - HEINONEN, O. - HARDEMAN, R. - LAPICKI, A. - GUBBINS, M. - BOWMAN, R. M. A review of high magnetic moment thin films for microscale and nanotechnology applications. In *APPLIED PHYSICS REVIEWS*. ISSN 1931-9401, 2016, vol. 3, no. 1., Registrované v: WOS

ADMA Scientific papers in foreign impacted journals registered in Web of Sciences or Scopus

ADMA01 ÁČ, V. - ANWARZAI, B. - LUBY, Štefan - MAJKOVÁ, Eva. Influence of mechanical strain on magnetic characteristics of spin valves. In *Journal of Physics: Conference Series*. - Bristol : IOP, 2008, vol. 100, 082025. (2007: 0.258 - SJR, Q3 - SJR). (2008 - WOS, SCOPUS). ISSN 1742-6588. Dostupné na: <https://doi.org/10.1088/1742-6596/100/8/082025>

Ohlasy:

1. [1.1] FUJIMOTO, Junji - MATSUO, Mamoru. Magnon current generation by dynamical distortion. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2020, vol. 102, no. 2, 020406(R), Registrované v: WOS
2. [1.1] SEKIRIN, Igor - IGNAKHIN, Vladimir. Sensors of Mechanical Stresses and Deformations Based on Magnetic Phenomena. In *PROCEEDINGS OF THE 2020 27TH CONFERENCE OF OPEN INNOVATIONS*

- ADMA02 ANDRADE, E. - CHROMIK, Štefan - JERGEL, Matej - JERGEL, Matej - FALCONY, C. - ŠTRBÍK, Vladimír - ROCHA, M.F. - ZAVALA, E.P. Study of the superconducting MgB2 films by ion beam analysis methods. In *Thin Solid Films*, 2003, vol. 433, p. 103-107. ISSN 0040-6090. Dostupné na: [https://doi.org/10.1016/S0040-6090\(03\)00322-5](https://doi.org/10.1016/S0040-6090(03)00322-5)

Ohlasy:

1. [1.1] BAKER, A.A. - AJI, L.B.B. - BAE, J.H. - STAVROU, E. - STEICH, D.J. - MCCALL, S.K. - KUCHEYEV, S.O. Vapor annealing synthesis of non-epitaxial MgB2 films on glassy carbon. In *SUPERCONDUCTOR SCIENCE & TECHNOLOGY*. MAY 2018, vol. 31, no. 5., Registrované v: WOS

- ADMA03 ANDREEV, G.A. - HARTMANOVÁ, Mária. Classification of precipitation phenomena in ionic crystals. In *Materials Chemistry and Physics*, 1984, vol. 10, no. 4, p. 309-315. ISSN 0254-0584. Dostupné na: [https://doi.org/10.1016/0254-0584\(84\)90092-0](https://doi.org/10.1016/0254-0584(84)90092-0)

Ohlasy:

1. [1.1] SILVA, L. M. - MENEZES, D. S. - NARAYANAN, S. - SHOKUHFAR, T. - SHAHBAZIAN-YASSAR, R. - DALMONICO, G. M. L. - WERCKMANN, J. - FARINA, M. - DOS SANTOS, E. A. Counterions present in syntheses induce the precipitation of two different populations of Sr-containing hydroxyapatite crystals. In *CERAMICS INTERNATIONAL*. ISSN 0272-8842, 2020, vol. 46, no. 4, pp. 4502-4510., Registrované v: WOS

- ADMA04 BANDILLA, A. - DROBNÝ, Gabriel - JEX, I. Sub-Poissonian Photon Statistics in a Three-Wave Interaction Starting in the Out-of-Phase Regime. In *Physical Review Letters*, 1995, vol. 75, no. 22, p. 4019-4022. (1994: 6.626 - IF, Current Contents - CCC). (1995 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.75.4019>

Ohlasy:

1. [1.2] MEHER, Nilakantha - JHA, Anand K. Dependence of the photon statistics of down-converted field-modes on the photon statistics of the pump field-mode. In *Journal of the Optical Society of America B: Optical Physics*. ISSN 07403224, 2020, vol. 37, no. 8, pp. 2248-2255., Registrované v: SCOPUS

- ADMA05 BĚTÁK, Emil - DOBEŠ, J. Finite depth of nuclear-potential well in exciton model of preequilibrium decay. In *Zeitschrift für Physik A. Hadrons and nuclei*, 1976, vol. 279, no. 3, p. 319-324. ISSN 0939-7922. Dostupné na: <https://doi.org/10.1007/BF01408305>

Ohlasy:

1. [1.1] KAWANO, T. - CHO, Y. S. - DIMITRIOU, P. - FILIPESCU, D. - IWAMOTO, N. - PLUJKO, V. - TAO, X. - UTSUNOMIYA, H. - VARLAMOV, V. - XU, R. - CAPOTE, R. - GHEORGHE, I. - GORBACHENKO, O. - JIN, Y. L. - RENSTROM, T. - SIN, M. - STOPANI, K. - TIAN, Y. - TVETEN, G. M. - WANG, J. M. - BELGYA, T. - FIRESTONE, R. - GORIELY, S. - KOPECKY, J. - KRTICKA, M. - SCHWENGNER, R. - SIEM, S. - WIEDEKING, M. IAEA Photonuclear Data Library 2019. In *NUCLEAR*

ADMA06 BUGÁROVÁ, Nikola** - ŠPITÁLSKY, Zdenko - MIČUŠÍK, Matej - BODIK, Michal - ŠIFFALOVIČ, Peter - KONERACKÁ, Martina - ZÁVIŠOVÁ, Vlasta - KUBOVČÍKOVÁ, Martina - KAJANOVÁ, Ivana - ZAŤOVIČOVÁ, Miriam - PASTOREKOVÁ, Silvia - ŠLOUF, Miroslav - MAJKOVÁ, Eva - OMASTOVÁ, Mária**. A multifunctional graphene oxide platform for targeting cancer. In *Cancers*, 2019, vol. 11, no. 6, art. no. 753, [19] p. (2018: 6.162 - IF, Q1 - JCR, 2.142 - SJR, Q1 - SJR). ISSN 2072-6694. Dostupné na: <https://doi.org/10.3390/cancers11060753>

Ohlasy:

1. [1.1] HOSKINS, Clare. Cancer Nanomedicine. In *CANCERS*, 2020, vol. 12, no. 8, 2127., Registrované v: WOS
2. [1.1] RAJA, Iruthayapandi Selestine - KANG, Moon Sung - KIM, Ki Su - JUNG, Yu Jin - HAN, Dong-Wook. Two-Dimensional Theranostic Nanomaterials in Cancer Treatment: State of the Art and Perspectives. In *CANCERS*, 2020, vol. 12, no. 6, 1657., Registrované v: WOS
3. [1.1] SHARMA, Horrick - MONDAL, Somrita. Functionalized Graphene Oxide for Chemotherapeutic Drug Delivery and Cancer Treatment: A Promising Material in Nanomedicine. In *INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES*, 2020, vol. 21, no. 17, 6280., Registrované v: WOS
4. [1.1] TANDON, Saloni - GEORGE, Suchi Mercy - MCINTYRE, Robin - KANDASUBRAMANIAN, Balasubramanian. Polymeric immunosensors for tumor detection. In *BIOMEDICAL PHYSICS & ENGINEERING EXPRESS*. ISSN 2057-1976, 2020, vol. 6, no. 3, 032001., Registrované v: WOS

ADMA07 CARICATO, A. P. - FERNANDEZ, M. - LUCHES, A. - LUBY, Štefan - MAJKOVÁ, Eva - CHITU, L. - ŠVEC, Peter - FRAIT, Z. - FRAITOVÁ, D. - MALYCH, R. - MENGUCCI, P. Magnetic damping in Fe-based films deposited by laser ablation in magnetic field. In *Applied Surface Science*, 2006, vol. 252, no. 13, p. 4907-4913. (2005: 1.263 - IF, Q2 - JCR, 0.689 - SJR, Q1 - SJR, Current Contents - CCC). (2006 - Current Contents). ISSN 0169-4332. Dostupné na: <https://doi.org/10.1016/j.apsusc.2005.07.122>

Ohlasy:

1. [1.1] WAKIYA, Naoki - KAWAGUCHI, Takahiko - SAKAMOTO, Naonori - DAS, Harinarayan - SHINOZAKI, Kazuo - SUZUKI, Hisao. Progress and impact of magnetic field application during pulsed laser deposition (PLD) on ceramic thin films. In *JOURNAL OF THE CERAMIC SOCIETY OF JAPAN*. ISSN 1882-0743, 2017, vol. 125, no. 12, pp. 856-865., Registrované v: WOS

ADMA08 ČERMÁK, J. - ČERNÁNSKÝ, M. - DUHAJ, Pavol - HORVÁTH, J. Crystallization of the Metallic Glass Fe₄₀Ni₄₀B₂₀ during Isochronal Annealing in Argon and Hydrogen. In *Physica Status Solidi A : applications and materials science*, 1985, vol. 91, no. 2, p. 407-410. ISSN 1862-6300. Dostupné na: <https://doi.org/10.1002/pssa.2210910208>

Ohlasy:

1. [1.1] MACCARI, Fernando - KARPENKOV, Dmitriy Yu - SEMENOVA, Elena - KARPENKOV, Alexey Yu - RADULOV, Iliya A. -

SKOKOV, Konstantin P. - GUTFLEISCH, Oliver. Accelerated crystallization and phase formation in Fe₄₀Ni₄₀B₂₀ by electric current assisted annealing technique. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2020, vol. 836, 155338., Registrované v: WOS

ADMA09 DOBES, J. - BĚTÁK, Emil. 2-component exciton model. In *Zeitschrift für Physik A. Hadrons and nuclei*, 1983, vol. 310, no. 4, p. 329-338. ISSN 0939-7922.

Ohlasy:

1. [1.1] GANESAPANDY, T. S. - JEREMIAH, J. J. - DAHIWALE, S. S. - DHOLE, S. D. - BHORASKAR, V. N. Analysis of neutron induced (n,gamma) and (n,2n) reactions on Th-232 from reaction threshold to 20 MeV. In APPLIED RADIATION AND ISOTOPES. ISSN 0969-8043, 2019, vol. 150, pp. 70-78., Registrované v: WOS

2. [1.1] KELLY, K. J. - DEVLIN, M. - O'DONNELL, J. M. - GOMEZ, J. A. - NEUDECKER, D. - HAIGHT, R. C. - TADDEUCCI, T. N. - MOSBY, S. M. - LEE, H. Y. - WU, C. Y. - HENDERSON, R. - TALOU, P. - KAWANO, T. - LOVELL, A. E. - WHITE, M. C. - ULLMANN, J. L. - FOTIADES, N. - HENDERSON, J. - BUCKNER, M. Q. Measurement of the Pu-239(n, f) prompt fission neutron spectrum from 10 keV to 10 MeV induced by neutrons of energy 1-20 MeV. In PHYSICAL REVIEW C. ISSN 0556-2813, 2020, vol. 102, no. 3, 034615., Registrované v: WOS

3. [1.1] KELLY, K. J. - KAWANO, T. - O'DONNELL, J. M. - GOMEZ, J. A. - DEVLIN, M. - NEUDECKER, D. - TALOU, P. - LOVELL, A. E. - WHITE, M. C. - HAIGHT, R. C. - TADDEUCCI, T. N. - MOSBY, S. M. - LEE, H. Y. - WU, C. Y. - HENDERSON, R. - HENDERSON, J. - BUCKNER, M. Q. Preequilibrium Asymmetries in the Pu-239(n,f) Prompt Fission Neutron Spectrum. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 122, no. 7, 072503., Registrované v: WOS

ADMA10 DOBEŠ, J. - BĚTÁK, Emil. STATISTICAL DERIVATION OF DENSITY OF FINAL-STATES FOR EXCITON MODEL. In *Nuclear Physics A*, 1976, vol. 272, p. 353-364. ISSN 0375-9474. Dostupné na: [https://doi.org/10.1016/0375-9474\(76\)90337-7](https://doi.org/10.1016/0375-9474(76)90337-7)

Ohlasy:

1. [1.2] ISHKHANOV, B. S. - ORLIN, V. N. Modified version of the combined model of photonucleon reactions. In *Physics of Atomic Nuclei*. ISSN 10637788, 2015-07-27, 78, 5, pp. 557-573., Registrované v: SCOPUS

ADMA11 DOUPOVEC, Juraj - YARIN, A. L. Nonsymmetrical modified chemical vapor deposition (N-MCVD) process. In *Journal of Lightwave Technology*, 1991, vol. 9, no. 6, p. 695-700. ISSN 0733-8724. Dostupné na: <https://doi.org/10.1109/50.81970>

Ohlasy:

1. [1.1] BANG, Boo-Hyoung - KIM, Yong-Il - JEONG, Seokgyu - YOON, Youngbin - YARIN, Alexander L. - YOON, Sam S. Theoretical model for swirling thin film flows inside nozzles with converging-diverging shapes. In APPLIED MATHEMATICAL MODELLING. ISSN 0307-904X, 2019, vol. 76, no., pp. 607-616., Registrované v: WOS

ADMA12 DUBNIČKA, Stanislav - DUBNIČKOVÁ, Anna Zuzana - IVANOV, M.A. - KORNER, J.G. - SAIDULLAEVA, G.G. A relativistic quark model with infrared

confinement and the tetraquark state. In *AIP Conference Proceedings*, 2011, vol. 1343, p. 385-378. (2011 - SCOPUS). ISSN 0094-243X. Dostupné na: <https://doi.org/10.1063/1.3575037>

Ohlasy:

1. [1.1] DONG, Yubing - FAESSLER, Amand - GUTSCHE, Thomas - et al. Selected strong decays of $\eta(2225)$ and $\phi(2170)$ as $\Lambda(\Lambda)\bar{\Lambda}$ bound states. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2017, vol. 96, no. 7, 074027., Registrované v: WOS

ADMA13 DUHAJ, Pavol - MAŤKO, Igor - ŠVEC, Peter - JANIČKOVIČ, Dušan. Structural characterization of the finemet type alloys. In *Journal of Non-Crystalline Solids*, 1995, vol. 192-193, p. 561-564. (1994: 1.070 - IF, Current Contents - CCC). (1995 - Current Contents). ISSN 0022-3093. Dostupné na: [https://doi.org/10.1016/0022-3093\(95\)00407-6](https://doi.org/10.1016/0022-3093(95)00407-6)

Ohlasy:

1. [1.1] ALVAREZ, Kenny L. - BAGHBADERANI, H. A. - MARTIN, J. M. - BURGOS, N. - IPATOV, M. - PAVLOVIC, Z. - MCCLOSKEY, P. - MASOOD, A. - GONZALEZ, J. Novel Fe-based amorphous and nanocrystalline powder cores for high-frequency power conversion. In *JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS*. ISSN 0304-8853, 2020, vol. 501, 166457., Registrované v: WOS

ADMA14 FILIP, Peter. Effects of deformation in collisions of nuclei and hadrons. In *Nuclear Physics B - Proceedings Supplements*, 2010, vol. 198, p. 46-50. (2010 - WOS, SCOPUS). ISSN 0920-5632. Dostupné na: <https://doi.org/10.1016/j.nuclphysbps.2009.12.010>

Ohlasy:

1. [1.1] BOZEK, Piotr - BRONIOWSKI, Wojciech - RYBCZYNSKI, Maciej - STEFANEK, Grzegorz. GLISSANDO 3: GLauber Initial-State Simulation AND mOre, ver. 3. In *COMPUTER PHYSICS COMMUNICATIONS*. ISSN 0010-4655, 2019, vol. 245, UNSP 106850., Registrované v: WOS

ADMA15 GRAJCAR, Miroslav - IZMALKOV, A. - VAN DER PLOEG, S.H.W. - LINZEN, S. - PLECENIK, T. - WAGNER, T. - HUBNER, U. - IL'ICHEV, E. - MEYER, H.G. - SMIRNOV, A.Y. - LOVE, P.J. - VAN DEN BRINK, A.M. - AMIN, M.H.S - UCHAIKIN, S. - ZAGOSKIN, A.M. Four-Qubit Device with Mixed Couplings. In *Physical Review Letters*, 2006, vol. 96, no. 4, 047006. (2005: 7.489 - IF, Q1 - JCR, 4.082 - SJR, Q1 - SJR, Current Contents - CCC). (2006 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.96.047006>

Ohlasy:

1. [1.1] BIRYUKOV, Alexander A. - SHLEENKOV, Mark A. Sustainable entangled state of two qubits with time-dependent dipole-dipole interaction under coherent electromagnetic field influence. In *SARATOV FALL MEETING 2016 LASER PHYSICS AND PHOTONICS XVII; AND COMPUTATIONAL BIOPHYSICS AND ANALYSIS OF BIOMEDICAL DATA III*. ISSN 0277-786X, 2017, vol. 10337, UNSP 103370B., Registrované v: WOS
2. [1.1] EVSEEV, Mikhail M. - BASHKIROV, Eugene K. Dynamics of

two superconducting qubits interacting with two different quantum resonators. In SARATOV FALL MEETING 2016 LASER PHYSICS AND PHOTONICS XVII; AND COMPUTATIONAL BIOPHYSICS AND ANALYSIS OF BIOMEDICAL DATA III. ISSN 0277-786X, 2017, vol. 10337, UNSP 103370D., Registrované v: WOS

3. [1.1] MARTIN, Tchoffo - ARTHUR, Tsamouo Tsokeng - COLLINCE, Fouokeng Georges - FAI, Lukong Cornelius. Time evolution of quantum correlations in superconducting flux-qubits under classical noises. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION. ISSN 0219-7499, 2017, vol. 15, no. 2, 1750015., Registrované v: WOS

4. [1.1] WANG, Xin - MIRANOWICZ, Adam - LI, Hong-Rong - et al. Observing pure effects of counter-rotating terms without ultrastrong coupling: A single photon can simultaneously excite two qubits. In PHYSICAL REVIEW A. ISSN 2469-9926, 2017, vol. 96, no. 6, 063820., Registrované v: WOS

5. [1.1] WANG, Xin - MIRANOWICZ, Adam - NORI, Franco. Ideal Quantum Nondemolition Readout of a Flux Qubit without Purcell Limitations. In PHYSICAL REVIEW APPLIED. ISSN 2331-7019, 2019, vol. 12, no. 6, 064037., Registrované v: WOS

6. [1.1] WENDIN, G. Quantum information processing with superconducting circuits: a review. In REPORTS ON PROGRESS IN PHYSICS. ISSN 0034-4885, 2017, vol. 80, no. 10, 106001., Registrované v: WOS

ADMA16 HANIC, F. - HARTMANOVÁ, Mária - KNAB, G.G. - URUSOVSKAYA, A.A. - BAGDASAROV, K.S. Real structure of undoped Y2O3 single-crystals. In *Acta Crystallographica Section B-Structural Science Crystal Engineering and Materials*, 1984, vol. 40, no. 2, p. 76-82. ISSN 2052-5206. Dostupné na: <https://doi.org/10.1107/S0108768184001774>

Ohlasy:

1. [1.1] ALIMOV, Olimkhon - DOBRETSOVA, Elena - GURYEV, Denis - KASHIN, Vitaly - KIRIUKHINA, Galina - KUTOVOI, Sergei - RUSANOV, Sergey - SIMONOV, Sergey - TSVETKOV, Vladimir - VLASOV, Victor - VORONOV, Valery - YAKUBOVICH, Olga. Growth and Characterization of Neodymium-Doped Yttrium Scandate Crystal Fiber with a Bixbyite-type Crystal Structure. In CRYSTAL GROWTH & DESIGN. ISSN 1528-7483, 2020, vol. 20, no. 7, pp. 4593-4599., Registrované v: WOS

2. [1.1] AZEEM, M. Mustafa - WANG, Qingyu - LI, Zhongyu - ZHANG, Yue. Dislocation-oxide interaction in Y2O3 embedded Fe: A molecular dynamics simulation study. In NUCLEAR ENGINEERING AND TECHNOLOGY. ISSN 1738-5733, 2020, vol. 52, no. 2, pp. 337-343., Registrované v: WOS

3. [1.1] BARTASYTE, Ausrine - MARGUERON, Samuel - BARON, Thomas - et al. Toward High-Quality Epitaxial LiNbO3 and LiTaO3 Thin Films for Acoustic and Optical Applications. In ADVANCED MATERIALS INTERFACES. ISSN 2196-7350, 2017, vol. 4, no. 8, 1600998., Registrované v: WOS

4. [1.1] BORDUN, O. M. - BORDUN, I. O. - KUKHARSKYY, I. Yo. - TSAPOVSKA, Zh. Ya. - PARTYKA, M. V. Structure and Cathodoluminescent Properties of Y2O3:Eu Thin Films at Different Activator Concentrations. In JOURNAL OF APPLIED SPECTROSCOPY. ISSN 0021-9037, 2018, vol. 84, no. 6, pp. 1072-1077., Registrované v: WOS

5. [1.1] BROWNBILL, Nick J. - LEE, Daniel - DE PAEPE, Gael - BLANC, Frederic. Detection of the Surface of Crystalline Y2O3 Using Direct Y-89 Dynamic Nuclear Polarization. In JOURNAL OF PHYSICAL CHEMISTRY LETTERS. ISSN 1948-7185, 2019, vol. 10, no. 12, pp. 3501-3508., Registrované v: WOS
6. [1.1] HELALI, Z. - JEDIDI, A. - SYZGANTSEVA, O. A. - CALATAYUD, M. - MINOT, C. Scaling reducibility of metal oxides. In THEORETICAL CHEMISTRY ACCOUNTS. ISSN 1432-881X, 2017, vol. 136, no. 9, 100., Registrované v: WOS
7. [1.1] HIGGINS, M. P. - PENG, Q. - SHAO, L. - GAO, F. Reduction of defect generation and development of sinks at nanocluster boundary in oxide dispersion-strengthened steel. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2019, vol. 126, no. 8, 084302., Registrované v: WOS
8. [1.1] JADHAV, A.P. - KHAN, S. - KIM, S.J. - et al. Near-infrared quantum cutting in Tb³⁺ and Yb³⁺-doped Y2O3 nanophosphors. In RESEARCH ON CHEMICAL INTERMEDIATES. ISSN 0922-6168, 2017, vol. 43, no. 6, pp. 3463-3471., Registrované v: WOS
9. [1.1] JING, Hong-Mei - HU, Guang-Liang - MI, Shao-Bo - et al. Microstructure and electrical conductivity of (Y, Sr)CoO_{3-δ} thin films tuned by the film-growth temperature. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2017, vol. 714, pp. 181-185., Registrované v: WOS
10. [1.1] KALAIVANI, Srigurunathan - KANNAN, Sanjeevi. Structure, mechanical, optical, and imaging contrast features of Yb³⁺, Dy³⁺, Tb³⁺, Gd³⁺, Eu³⁺, and Nd(3+)substituted Y2O3-Ln(2)O(3)solid solution. In JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART B-APPLIED BIOMATERIALS. ISSN 1552-4973, 2020, vol. 108, no. 6, pp. 2656-2669., Registrované v: WOS
11. [1.1] KEPPNER, J. - SCHUBERT, J. - ZIEGNER, M. - MOGWITZ, B. - JANEK, J. - KORTE, C. Influence of texture and grain misorientation on the ionic conduction in multilayered solid electrolytes interface strain effects in competition with blocking grain boundaries. In PHYSICAL CHEMISTRY CHEMICAL PHYSICS. ISSN 1463-9076, 2018, vol. 20, no. 14, pp. 9269-9280., Registrované v: WOS
12. [1.1] KOVROVA, A. I. - GORELOV, V. P. - KUZ'MIN, A. V. - MELEKH, B. A.T. The Electric Conductivity of Poly- and Singlecrystalline Y2O3 in Oxidative Atmosphere. In RUSSIAN JOURNAL OF ELECTROCHEMISTRY. ISSN 1023-1935, 2018, vol. 54, no. 9, pp. 733-740., Registrované v: WOS
13. [1.1] LEE, Doyun - LEE, Jung-A - HEO, Young-Woo - LEE, Joon-Hyung - JUNG, Jae-Il - KIM, Jeong-Joo. The effect of yttrium nitrate addition on the densification behaviour of Y2O3 ceramics during the cold sintering process. In JOURNAL OF THE EUROPEAN CERAMIC SOCIETY. ISSN 0955-2219, 2020, vol. 40, no. 8, pp. 3208-3214., Registrované v: WOS
14. [1.1] MIKHAILOV, M. M. - NESHCHIMENKO, V. V. - CHUNDONG, Lee - UTEBEKOV, T. A. Absorption Band of Y2O3 Micro- and Nanopowders Induced by Proton and Electron Bombardment. In JOURNAL OF SURFACE INVESTIGATION. ISSN 1027-4510, 2017, vol. 11, no. 4, pp. 827-831., Registrované v: WOS
15. [1.1] NOVOSAD, S. S. - NOVOSAD, I. S. - BORDUN, O. M. -

KOSTYK, L. V. - BORDUN, I. O. - TUZYAK, O. Ya. The Influence of Europium Impurity on the Recombination Luminescence in Y₂O₃. In ACTA PHYSICA POLONICA A. ISSN 0587-4246, 2018, vol. 133, no. 4, pp. 806-810., Registrované v: WOS

16. [1.1] RICHARD, Diego - GIL REBAZA, Arles. The GIPAW approach for the study of local structures and the electric field gradients at Cd and Ta impurity sites. Application to doped yttria ceramics. In COMPUTATIONAL MATERIALS SCIENCE. ISSN 0927-0256, 2020, vol. 171, 109224., Registrované v: WOS

17. [1.1] STOPYRA, Michal - SAENKO, Ivan - ILATOVSKAIA, Mariia - SAVINYKH, Galina - FABRICHNAYA, Olga. Phase relations in the ZrO₂-La₂O₃-Gd₂O₃ system: Experimental studies and phase modeling. In JOURNAL OF THE AMERICAN CERAMIC SOCIETY. ISSN 0002-7820, 2019, vol. 102, no. 12, pp. 7628-7644., Registrované v: WOS

18. [1.1] SUN, Dan - DING, Jianhua - YANG, Yaochun - ZHANG, Pengbo - ZHAO, Jijun. First-principles investigation of hydrogen behavior in different oxides in ODS steels. In INTERNATIONAL JOURNAL OF HYDROGEN ENERGY. ISSN 0360-3199, 2019, vol. 44, no. 31, pp. 17105-17113., Registrované v: WOS

19. [1.1] SUN, Dan - LI, Ruihuan - DING, Jianhua - HUANG, Shaosong - ZHANG, Pengbo - LU, Zheng - ZHAO, Jijun. Helium behavior in oxide dispersion strengthened (ODS) steel: Insights from ab initio modeling. In JOURNAL OF NUCLEAR MATERIALS. ISSN 0022-3115, 2018, vol. 499, pp. 71-78., Registrované v: WOS

20. [1.1] ZVEJNIEKS, G. - ANSPOKS, A. - KOTOMIN, E. A. - KUZOVKOV, V. N. Kinetic Monte Carlo modeling of Y₂O₃ nano-cluster formation in radiation resistant matrices. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS. ISSN 0168-583X, 2018, vol. 434, pp. 13-22., Registrované v: WOS

ADMA17 HARTMANOVÁ, Mária - KUBEL, F. - BURŠKOVÁ, V. - JERGEL, Matej - NAVRÁTIL, V. - LOMONOVA, E.E. - NAVRÁTIL, K. - KUNDRAČIK, F. - KOSTI, I. Effect of composition changes on properties and defect structure of crystalline Sm-doped ZrO₂. In *Russian Journal of Electrochemistry*, 2007, vol. 43, no. 4, p. 381-389. Dostupné na: <https://doi.org/10.1134/S1023193507040040>

Ohlasy:

1. [1.1] BEJUGAMA, Shiva - GADWAL, Narendra Kumar - PANDEY, Ajoy Kumar. Two-step sintering of Sm₂O₃ doped ceria stabilized zirconia. In CERAMICS INTERNATIONAL. ISSN 0272-8842, 2019, vol. 45, no. 8, pp. 10348-10355., Registrované v: WOS

ADMA18 HARTMANOVÁ, Mária - MACHOVIC, L. - KOLLER, A. - HANIC, F. - MISANIK, B. ELECTRICAL-CONDUCTIVITY AND STRUCTURE OF CAO-STABILIZED ZIRCONIA DOPED WITH COPPER AND IRON. In *Solid State Ionics : diffusion and reactions*, 1984, vol. 14, no. 2, p. 93-105. ISSN 0167-2738. Dostupné na: [https://doi.org/10.1016/0167-2738\(84\)90082-1](https://doi.org/10.1016/0167-2738(84)90082-1)

Ohlasy:

1. [1.1] RONDAO, A. I. B. - MUCCILLO, E. N. S. - MUCCILLO, R. - MARQUES, F. M. B. On the electrochemical properties of Mg-PSZ: an

overview. In JOURNAL OF APPLIED ELECTROCHEMISTRY. ISSN 0021-891X, 2017, vol. 47, no. 10, pp. 1091-1113., Registrované v: WOS

- ADMA19 HARTMANOVÁ, Mária - ŠÁLY, V. - HANIC, F. - PISARČÍK, M. - ULLMANN, H. Microstructure and physical properties of transparent thoria-yttria ceramics. In *The Journal of Materials Science*, 1991, vol. 26, no. 16, p. 4313-4317. (1991 - Current Contents). ISSN 0022-2461. Dostupné na: <https://doi.org/10.1007/BF00543644>

Ohlasy:

1. [1.1] CHERKASKI, Y. - CLAVIER, N. - BRISSONNEAU, L. - DACHEUX, N. Impact of liquid sodium corrosion on microstructure and electrical properties of yttrium-doped thoria prepared by co-precipitation. In CORROSION SCIENCE. ISSN 0010-938X, 2020, vol. 171, 108721., Registrované v: WOS

- ADMA20 HLAVÁČ, Stanislav - DOSTAL, I. - TURZO, Ivan - PAVLIK, A. - VONACH, H. Study of gamma radiation from the interaction of 14,6-MeV neutrons with Al-27. In *NUCLEAR SCIENCE AND ENGINEERING*, 1997, vol. 125, no. 2, p. 196-204. ISSN 0029-5639.

Ohlasy:

1. [1.1] FEDOROV, N. A. - TRETYAKOVA, T. Yu. - BYSTRITSKY, V. M. - KOPACH, Yu. N. - RUSKOV, I. N. - SKOY, V. R. - GROZDANOV, D. N. - ZAMYATIN, N. I. - DONGMING, W. - ALIEV, F. A. - HRAMCO, K. - KUMAR, A. - GANDHI, A. - DABYLOVA, S. - YURKOV, D. I. - BARMAKOV, Yu. N. Investigation of Inelastic Neutron Scattering on Al-27 Nuclei. In PHYSICS OF ATOMIC NUCLEI. ISSN 1063-7788, 2019, vol. 82, no. 4, pp. 343-350., Registrované v: WOS

- ADMA21 HROBÁR, M. - GRENDL, M. - THURZO, Ilja. Current DLTS spectra of MIS structures due to dielectric polarization of the insulator. In *Physica Status Solidi A : applications and materials science*, 1984, vol. 82, no. 2, p. 519-525. ISSN 1862-6300. Dostupné na: <https://doi.org/10.1002/pssa.2210820223>

Ohlasy:

1. [1.1] EL-KHATIB, Mariam - FERRANDIS, Philippe - MORVAN, Erwan - GUILLOT, Gerard - BREMOND, Georges. Deep traps localization in AlGaIn/GaN MIS-HEMTs by a comparative study using capacitance and current deep level transient spectroscopies. In 19TH INTERNATIONAL CONFERENCE ON EXTENDED DEFECTS IN SEMICONDUCTORS (EDS2018). ISSN 1742-6588, 2019, vol. 1190, 012013., Registrované v: WOS

- ADMA22 ILLEKOVÁ, Emília - ABA, B. - KUHNAST, F. A. Is the DSC technique capable of determining accurate specific-heats of metallic ribbons. In *Journal of Thermal Analysis and Calorimetry*, 1992, vol. 38, no. 3, p. 397-407. ISSN 1388-6150. Dostupné na: <https://doi.org/10.1007/BF01915504>

Ohlasy:

1. [1.1] WANG, Yajing - LU, Yili - HORTON, Robert - REN, Tusheng. Specific Heat Capacity of Soil Solids: Influences of Clay Content, Organic Matter, and Tightly Bound Water. In SOIL SCIENCE SOCIETY OF AMERICA JOURNAL. ISSN 0361-5995, 2019, vol. 83, no. 4, pp. 1062-1066., Registrované v: WOS

ADMA23 JANOTOVÁ, Irena - ZIGO, Juraj - ŠVEC, Peter Jr. - MAŤKO, Igor - JANIČKOVIČ, Dušan - ŠVEC, Peter. Crystallization in rapidly quenched Fe-B-Si system with additions of C and Cu. In *Materials Research*, 2015, vol. 18, suppl, p. 136-140. (2014: 0.793 - IF, Q4 - JCR, 0.346 - SJR, Q2 - SJR). ISSN 1516-1439. Dostupné na: <https://doi.org/10.1590/1516-1439.335014>

Ohlasy:

1. [1.1] MOHAMMADIPARSA, Nahid - HABIBI, Safdar - DEKAN, Julius - JANOTOVA, Irena - SVEC, Peter - GALDUN, Ladislav - VARGA, Rastislav - KMJEC, Tomas - BUJDOS, Marek - MIGLIERINI, Marcel. Mossbauer study and magnetic properties of Fe-Si-B-Cu amorphous systems with minor substitution of carbon. In *JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY*. ISSN 0236-5731, 2019, vol. 322, no. 2, pp. 691-697., Registrované v: WOS

ADMA24 JERGEL, Matej - VLASÁK, Gabriel - DUHAJ, Pavol. Magnetostriction Study of Some Co-Based and Fe-Based Amorphous-Alloys. In *Physica Status Solidi A : applications and materials science*, 1989, vol. 111, no. 2, p. 597-602. ISSN 1862-6300. Dostupné na: <https://doi.org/10.1002/pssa.2211110226>

Ohlasy:

1. [1.1] HUANG, Dawei - LI, Yanhui - YANG, Yaping - ZHU, Zhengwang - ZHANG, Wei. Soft magnetic Co-based Co-Fe-B-Si-P bulk metallic glasses with high saturation magnetic flux density of over 1.2 T. In *JOURNAL OF ALLOYS AND COMPOUNDS*. ISSN 0925-8388, 2020, vol. 843, 154862., Registrované v: WOS

ADMA25 KOLEŠÍK, Miroslav - TUNEGA, D. - SOBOLEV, B. P. Low-frequency vibrational-modes in fluorite based superionic conductors - Raman-study. In *Solid State Ionics : diffusion and reactions*, 1992, vol. 58, no. 3-4, p. 237-242. (1991: 1.090 - IF, Current Contents - CCC). (1992 - Current Contents). ISSN 0167-2738. Dostupné na: [https://doi.org/10.1016/0167-2738\(92\)90124-8](https://doi.org/10.1016/0167-2738(92)90124-8)

Ohlasy:

1. [1.1] LALLA, E. A. - AZNAR, M. - KONSTANTINIDIS, M. - DALY, M. G. - RODRIGUEZ-MENDOZA, U. R. Polarized Raman analyzes of (RE³⁺) doped fluorotellurite glass and ceramics. In *VIBRATIONAL SPECTROSCOPY*. ISSN 0924-2031, 2019, vol. 103, 102934., Registrované v: WOS

2. [1.1] LALLA, E. A. - LOZANO-GORRIN, A. D. - KONSTANTINIDIS, M. - DALY, M. - LEON-LUIS, S. F. - LAVIN, V - RODRIGUEZ-MENDOZA, U. R. Optical temperature sensor based on Sm³⁺ emissions in a fluorotellurite glass. In *OPTICAL FIBER TECHNOLOGY*. ISSN 1068-5200, 2019, vol. 47, pp. 178-186., Registrované v: WOS

3. [1.1] LALLA, E. A. - SANZ-ARRANZ, A. - KONSTANTINIDIS, M. - FREEMANTLE, J. - SUCH, P. - LOZANO-GORRIN, A. D. - LAVIN, V - LOPEZ-REYES, G. - RULL-PEREZ, F. - RODRIGUEZ-MENDOZA, U. R. Raman-IR Spectroscopic Structural Analysis of Rare-Earth (RE³⁺) Doped Fluorotellurite Glasses at different laser wavelengths. In *VIBRATIONAL SPECTROSCOPY*. ISSN 0924-2031, 2020, vol. 106, 103020., Registrované v: WOS

ADMA26 KRAJČÍ, Marián - HAFNER, J. Elementary excitations in quasi-crystals. In *Journal of Non-Crystalline Solids*, 1993, vol. 156, p. 887-890. (1992: 1.180 - IF, Current Contents - CCC). (1993 - Current Contents). ISSN 0022-3093.

Ohlasy:

1. [1.1] STRZALKA, Radoslaw - BUGANSKI, Ireneusz - KUCZERA, Pawel - PYTLIK, Lucjan - WOLNY, Janusz. Atomic Structure of Decagonal Al-Cu-Rh Quasicrystal-Revisited: New Correction for Phonons. In *CRYSTALS*. ISSN 2073-4352, 2019, vol. 9, no. 2, 78., Registrované v: WOS

ADMA27 LADYGIN, V.P. - AZHIREY, L.S. - UESAKA, T. - GURCHIN, Y.V. - HATANO, M. - ITOH, K. - ISUPOV, A.Y. - JANEK, M. - KARACHUK, J.T. - KATO, H. - KAWABATA, T. - KRASNOV, V.A. - KHRENOV, A.N. - KISELEV, A.S. - KIZKA, V.A. - KLIMAN, Ján - KURILKIN, A.K. - KURILKIN, P.K. - LADYGINA, N.B. - LIVANOV, A.N. - MAEDA, Y. - MLAKHOV, A.I. - MATOUŠEK, Vladislav - MORHACH, M. - NISHIKAWA, J. - PILIPENKO, Y.K. - OHNISHI, T. - OKAMURA, H. - PIYADIN, S.M. - REZNIKOV, S.G. - SAITO, T. - SAKAGUCHI, S. - SAKAI, H. - SAKAMOTO, N. - SAKODA, S. - SASAMOTO, Y. - SATOU, Y. - SEKIGUCHI, K. - SUDA, K. - SHIKHALEV, M.A. - TAMIL, A. - TURZO, Ivan - UCHIGASHIMA, N. - VASILIEV, T.A. - YAKO, K. - ZOLIN, L.S. Recent results from JINR-VBLHE on spin effects in few-nucleon systems. In *Czechoslovak journal of physics*, 2006, vol. 56, suppl. F, p. F135-F150. (2005: 0.360 - IF, Q4 - JCR, 0.240 - SJR, Q3 - SJR, Current Contents - CCC). (2006 - Current Contents, WOS, SCOPUS). ISSN 0011-4626.

Ohlasy:

1. [1.1] ARTIOMOV, A. S. Methods for Organizing the Interaction of Circulating Particle Beams with Internal Targets in Nuclear Physics Experiments at Synchrotrons and Storage Rings. In *PHYSICS OF PARTICLES AND NUCLEI*. ISSN 1063-7796, 2017, vol. 48, no. 3, pp. 455-487., Registrované v: WOS

ADMA28 LUBY, Štefan - CHITU, L. - JERGEL, Matej - MAJKOVÁ, Eva - ŠIFFALOVIC, Peter - CARICATO, A.P. - LUCHES, A. - MARTINO, M. - RELLEA, R. - MANERA, M.G. Oxide nanoparticle arrays for sensors of CO and NO₂ gases. In *Vacuum*, 2012, vol. 86, no. 6, p. 590-593. (2011: 1.317 - IF, Q2 - JCR, 0.570 - SJR, Q2 - SJR, Current Contents - CCC). (2012 - Current Contents). ISSN 0042-207X. Dostupné na: <https://doi.org/10.1016/j.vacuum.2011.07.018>

Ohlasy:

1. [1.1] LIM, Michael - MILLS, Steven - LEE, Bongmook - MISRA, Veena. Application of AlGaIn/GaN Heterostructures for Ultra-Low Power Nitrogen Dioxide Sensing. In *ECS JOURNAL OF SOLID STATE SCIENCE AND TECHNOLOGY*. ISSN 2162-8769, 2015, vol. 4, no. 10, S3034-S3037., Registrované v: WOS

2. [1.1] MADHI, I. - BOUZID, B. - SAADOUN, M. - BESSAIS, B. Synthesis and characterization of ITO-ZnO nanocomposite and its application as NO₂ gas sensor. In *CERAMICS INTERNATIONAL*. ISSN 0272-8842, 2015, vol. 41, no. 5, pp. 6552-6559., Registrované v: WOS

3. [1.1] MUSIC, Denis - SCHMIDT, Paul - CZIGANY, Zsolt - GRECZYNSKI, Grzegorz - GEYER, Richard W. - HANS, Marcus. Electrical resistivity modulation of thermoelectric iron based nanocomposites. In *VACUUM*. ISSN 0042-207X, 2018, vol. 157, pp. 384-390., Registrované v:

WOS

4. [1.1] ZOU, C. W. - WANG, J. - XIE, W. Synthesis and enhanced NO₂ gas sensing properties of ZnO nanorods/TiO₂ nanoparticles heterojunction composites. In *JOURNAL OF COLLOID AND INTERFACE SCIENCE*. ISSN 0021-9797, 2016, vol. 478, pp. 22-28., Registrované v: WOS

ADMA29 LUBY, Štefan - MAJKOVÁ, Eva - DANIŠKA, V. - LUCHES, A. - MARTINO, M. - PERRONE, A. Synthesis of tungsten silicide by pulsed laser irradiation of sputtered alloy layers. In *Thin Solid Films*, 1993, vol. 229, no. 1, p. 24-28. (1992: 1.030 - IF, Current Contents - CCC). (1993 - Current Contents). ISSN 0040-6090. Dostupné na: [https://doi.org/10.1016/0040-6090\(93\)90403-C](https://doi.org/10.1016/0040-6090(93)90403-C)

Ohlasy:

1. [1.1] LEE, Sung-Chul - MYUNG, Jae-ha - KIM, Yong-Nam - JEON, Minseok - LEE, Dong-won - OH, Jong-Min - KIM, Bae-Yeon. Oxidation behavior of (Mo_{1-x}W_x)Si₂ high-temperature heating elements. In *JOURNAL OF THE KOREAN CRYSTAL GROWTH AND CRYSTAL TECHNOLOGY*. ISSN 1225-1429, 2020, vol. 30, no. 5, pp. 200-207., Registrované v: WOS

ADMA30 MAJERNÍK, Vladimír - MAJERNÍKOVÁ, E.. The possibility of thermal solitons. In *International Journal of Heat and Mass Transfer*, 1995, vol. 38, no. 14, p. 2701-2703. ISSN 0017-9310. Dostupné na: [https://doi.org/10.1016/0017-9310\(94\)00356-Z](https://doi.org/10.1016/0017-9310(94)00356-Z)

Ohlasy:

1. [1.1] SCIACCA, M. - ALVAREZ, F. X. - JOU, D. - BAFALUY, J. Heat solitons and thermal transfer of information along thin wires. In *INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER*. ISSN 0017-9310, 2020, vol. 155, 119809., Registrované v: WOS

ADMA31 MAJERNÍKOVÁ, Eva - GAIDIDEI, Y.B. - BRAUN, O.M. Nonlinear transient dynamics of the driven Klein-Gordon solitons. In *Physical Review E*, 1995, vol. 52, no. 1, p. 1241-1244. (1994: 1.890 - IF). ISSN 2470-0045. Dostupné na: <https://doi.org/10.1103/PhysRevE.52.1241>

Ohlasy:

1. [1.1] GONZALEZ, J. A. - BELLORIN, A. - GARCIA-NUSTES, M. A. - GUERRERO, L. E. - JIMENEZ, S. - VAZQUEZ, L. Arbitrarily large numbers of kink internal modes in inhomogeneous sine-Gordon equations. In *PHYSICS LETTERS A*. ISSN 0375-9601, 2017, vol. 381, no. 24, pp. 1995-1998. Dostupné na: <https://doi.org/10.1016/j.physleta.2017.03.042>., Registrované v: WOS

ADMA32 MAJERNÍKOVÁ, Eva. Oscillation mode and nonlinear radiation of the double sine-Gordon 2- π kink. In *Physical Review E*, 1994, vol. 49, no. 4, p. 3360-3367. (1994 - Current Contents). ISSN 2470-0045. Dostupné na: <https://doi.org/10.1103/PhysRevE.49.3360>

Ohlasy:

1. [1.1] SIMAS, Fabiano C. - LIMA, Fred C. - NOBREGA, K. Z. - GOMES, Adalto R. Solitary oscillations and multiple antikink-kink pairs in the double sine-Gordon model. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2020, no. 12, 143., Registrované v: WOS

ADMA33 MAJKOVÁ, Eva - TRNOVCOVA, V. - BOHUN, A. CHARGE AND MASS-TRANSPORT IN ALKALI-FREE ALUMINOPHOSPHATE GLASSES .2. DIFFUSION OF MONOVALENT AND BIVALENT-CATIONS. In *Physics and Chemistry of Glasses: European Journal of Glass Science and Technology Part B*, 1977, vol. 18, no. 5, p. 83-86. ISSN 1753-3562.

Ohlasy:

1. [1.1] MANIK, Marek - ONDRUSKA, Jan. Influence of Zeolite Addition on DC Conductivity of Illitic Clay After Firing at Different Temperatures. In THERMOPHYSICS 2018. ISSN 0094-243X, 2018, vol. 1988, 020034., Registrované v: WOS
2. [1.1] ONDRUSKA, J. - TRNOVCOVA, V. - STUBNA, I. - CSAKI, S. - VOZAR, L. Influence of texture on DC conductivity and dimensional changes of kaolin and illitic clay. In CERAMICS INTERNATIONAL. ISSN 0272-8842, 2019, vol. 45, no. 2, pp. 2425-2431., Registrované v: WOS

ADMA34 MARTINOVIČ, Lubomír. QCD sum rules and the properties of rho - and phi-meson excited states. In *Physical review D*, 1991, vol. 44 no. 1, p. 220-224. ISSN 1550-7998.

Ohlasy:

1. [1.1] WANG, Q.-N. - ZHANG, Z.-F. - STEELE, T. G. - et al. A comprehensive revisit of the p meson with improved Monte -Carlo based QCD sum rules, In CHINESE PHYSICS C, 2017, vol. 41, no. 7, 074107., Registrované v: WOS

ADMA35 MASUTO, Y. - NOJIMA, T. - KUWASAWA, Y. - MAJKOVÁ, Eva - LUBY, Štefan. Current-voltage characteristics and layer coupling in amorphous W/Si multilayers. In *Physica C. Superconductivity and its applications*, 1997, vol. 277, no. 1-2, p. 138-144. (1996: 1.723 - IF, Current Contents - CCC). (1997 - Current Contents, WOS, SCOPUS). ISSN 0921-4534. Dostupné na: [https://doi.org/10.1016/S0921-4534\(97\)00050-6](https://doi.org/10.1016/S0921-4534(97)00050-6)

Ohlasy:

1. [1.1] SAITO, Yu - ITAHASHI, Yuki M. - NOJIMA, Tsutomu - IWASA, Yoshihiro. Dynamical vortex phase diagram of two-dimensional superconductivity in gated MoS₂. In PHYSICAL REVIEW MATERIALS. ISSN 2475-9953, 2020, vol. 4, no. 7, 074003., Registrované v: WOS

ADMA36 MIHALKOVIČ, Marek - ELHOR, H. - SUCK, J. B. Low-energy phonon excitations in the decagonal quasicrystal Al₇₀Co₁₅Ni₁₅ and in crystalline Al₁₃Co₄ phases. In *Materials Science and Engineering A - Structural Materials Properties Microstructure and Processing*, 2000, vol. 294, p. 654-657. (2000 - Current Contents, SCOPUS). ISSN 0921-5093. Dostupné na: [https://doi.org/10.1016/S0921-5093\(00\)01133-3](https://doi.org/10.1016/S0921-5093(00)01133-3)

Ohlasy:

1. [1.1] SCHEID, Philippe - CHATELIER, Corentin - LEDIEU, Julian - FOURNEE, Vincent - GAUDRY, Emilie. Bonding network and stability of clusters: the case study of Al₁₃TM₄ pseudo-tenfold surfaces. In ACTA CRYSTALLOGRAPHICA A-FOUNDATION AND ADVANCES. ISSN 2053-2733, 2019, vol. 75, pp. 314-324., Registrované v: WOS
2. [1.1] STRZALKA, Radoslaw - BUGANSKI, Ireneusz - KUCZERA, Pawel - PYTLIK, Lucjan - WOLNY, Janusz. Atomic Structure of Decagonal

Al-Cu-Rh Quasicrystal-Revisited: New Correction for Phonons. In CRYSTALS. ISSN 2073-4352, 2019, vol. 9, no. 2, 78., Registrované v: WOS

ADMA37 MORHÁČ, Miroslav - MATOUŠEK, Vladislav. An adaptive fast transform algorithm for multi-dimensional data compression. In *Signal Processing*, 1995, vol. 43, no. 1, p. 29-37. ISSN 0165-1684. Dostupné na: [https://doi.org/10.1016/0165-1684\(94\)00141-L](https://doi.org/10.1016/0165-1684(94)00141-L)

Ohlasy:

1. [1.2] LIPINSKI, P. - PUCHALA, D. Digital image watermarking using fast parametric transforms. In *Bulletin of the Polish Academy of Sciences: Technical Sciences*. ISSN 02397528, 2019, vol. 67, no. 3, pp. 463-477., Registrované v: SCOPUS

ADMA38 OBLOŽINSKÝ, Pavol - HLAVÁČ, Stanislav - MAINO, G. - MENGONI, A. Gamma-ray production from Cr-52(n, x-gamma) reactions at 14.6 MeV. In *Nuovo Cimento Della Societa Italiana Di Fisica A nuclei Particles and Fields*, 1992, vol. 105, no. 7, p. 965-985. ISSN 1124-1853.

Ohlasy:

1. [1.1] FEDOROV, N. A. - DASHKOV, I. D. - GROZDANOV, D. N. - KOPATCH, Yu N. - RUSKOV, I. N. - SKOY, V. R. - TRETYAKOVA, T. Yu - ALIEV, F. A. - DABYLOVA, S. - GUNDORIN, N. A. - HRAMCO, C. Investigation of 14.1 MeV neutrons interaction with C, Mg, Cr. In *INDIAN JOURNAL OF PURE & APPLIED PHYSICS*. ISSN 0019-5596, 2020, vol. 58, no. 5, pp. 358-362., Registrované v: WOS

2. [1.1] GROZDANOV, D. N. - FEDOROV, N. A. - KOPATCH, Yu N. - BYSTRITSKY, V. M. - TRETYAKOVA, T. Yu - RUSKOV, I. N. - SKOY, V. R. - DABYLOVA, S. - ALIEV, F. A. - HRAMCO, K. - GUNDORIN, N. A. - DASHKOV, I. D. - BOGOLYUBOV, E. P. - YURKOV, D. - ZVEREV, V. - GANDHI, A. - KUMAR, A. Measurement of the Yield and Angular Distributions of Gamma Rays Originating from the Interaction of 14.1-MeV Neutrons with Chromium Nuclei. In *PHYSICS OF ATOMIC NUCLEI*. ISSN 1063-7788, 2020, vol. 83, no. 3, pp. 384-390., Registrované v: WOS

ADMA39 OBLOŽINSKÝ, Pavol. Preequilibrium emission of hard photons in proton-nucleus reactions. In *Physical Review C*, 1989, vol. 40, no. 4, p. 1591-1594. ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.40.1591>

Ohlasy:

1. [1.1] SHARMA, Manoj Kumar - MUSTHAFA, M. M. - SHUAIB, Mohd - KUMAR, Mahesh - SHARMA, Vijay Raj - YADAV, Abhishek - SINGH, Pushendra P. - SINGH, B. P. - PRASAD, R. Semiclassical and quantum mechanical analysis of alpha-particle-induced reactions on praseodymium: A study relevant to precompound emission. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 99, no. 1, 014608., Registrované v: WOS

ADMA40 OBLOŽINSKÝ, Pavol - RIBANSKÝ, I. Solid angle subtended at a disk source by a non-parallel disk detector. In *Nuclear Instruments and Methods in Physics Research A. Accelerators, Spectrometers, Detectors and Associated Equipment*, 1971, vol. 94, no. 1, pp. 187-188. ISSN 0168-9002. Dostupné na: [https://doi.org/10.1016/0029-554X\(71\)90359-4](https://doi.org/10.1016/0029-554X(71)90359-4)

Ohlasy:

1. [1.1] GRAU MALONDA, Agustin - GRAU CARLES, Agustin. Radionuclide standardization. In HANDBOOK OF RADIOACTIVITY ANALYSIS, VOL 2: RADIOANALYTICAL APPLICATIONS, 4TH EDITION, 2020, pp. 531-625., Registrované v: WOS

ADMA41 PAJERSKY, P. - ŠURDA, Anton. Incommensurate commensurate phase-transitions in an anisotropic antiferromagnetic model on triangular lattice. In *Journal of Statistical Physics*, 1994, vol. 79, no. 5-6, p. 1467-1477. ISSN 0022-4715. Dostupné na: <https://doi.org/10.1007/BF02187071>

Ohlasy:

1. [1.1] ALBAYRAK, Erhan. The Ising model with nearest- and next-nearest-neighbor interactions on the Bethe lattice: The exact recursion relations. In MODERN PHYSICS LETTERS B. ISSN 0217-9849, 2020, vol. 34, no. 10, 2050087., Registrované v: WOS

ADMA42 PLESCH, Martin - DAHLSTEN, O. - GOOLD, J. - VEDRAL, V. Maxwell's Daemon: Information versus Particle Statistics. In *Scientific Reports*, 2014, vol. 4, 6995. (2013: 5.078 - IF, Q1 - JCR, 1.886 - SJR, Q1 - SJR). (2014 - WOS, Scopus). ISSN 2045-2322. Dostupné na: <https://doi.org/10.1038/srep06995>

Ohlasy:

1. [1.1] AYDIN, Alhun - SISMAN, Altug - KOSLOFF, Ronnie. Landauer's Principle in a Quantum Szilard Engine without Maxwell's Demon. In ENTROPY, 2020, vol. 22, no. 3, 294., Registrované v: WOS
2. [1.1] BENGTSSON, J. - TENGSTRAND, M. Nilsson - REIMAND, S. M. Bosonic Szilard engine assisted by Feshbach resonances. In PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 97, no. 6, 062128., Registrované v: WOS
3. [1.1] BENGTSSON, J. - TENGSTRAND, M. Nilsson - WACKER, A. - SAMUELSSON, P. - UEDA, M. - LINKE, H. - REIMANN, S. M. Quantum Szilard Engine with Attractively Interacting Bosons. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2018, vol. 120, no. 10, 100601., Registrované v: WOS
4. [1.1] CAMATI, P.A. et al. In PHYSICAL REVIEW LETTERS, 2016, vol. 117, Iss. 24, 240502., Registrované v: WOS
5. [1.1] HOLMES, Zoe - ANDERS, Janet - MINTERT, Florian. Enhanced Energy Transfer to an Optomechanical Piston from Indistinguishable Photons. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2020, vol. 124, no. 21, 210601., Registrované v: WOS
6. [1.1] JEON, H.J.- KIM, S.W. In NEW JOURNAL OF PHYSICS, 2016, vol. 18, 043002., Registrované v: WOS
7. [1.1] MYERS, Nathan M. - DEFFNER, Sebastian. Bosons outperform fermions: The thermodynamic advantage of symmetry. In PHYSICAL REVIEW E. ISSN 2470-0045, 2020, vol. 101, no. 1, 012110., Registrované v: WOS
8. [1.1] NAJERA-SANTOS, Baldo-Luis - CAMATI, Patrice A. - METILLON, Valentin - BRUNE, Michel - RAIMOND, Jean-Michel - AUFFEVE, Alexia - DOTSENKO, Igor. Autonomous Maxwell's demon in a cavity QED system. In PHYSICAL REVIEW RESEARCH, 2020, vol. 2, no. 3, 032025., Registrované v: WOS

9. [1.1] ZUREK, Wojciech H. Eliminating ensembles from equilibrium statistical physics: Maxwell's demon, Szilard's engine, and thermodynamics via entanglement. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, 2018, vol. 755, pp. 1-21., Registrované v: WOS

ADMA43 REETZ, T. - HAASE, I. - ULLMANN, H. - LANG, H.J. - SALY, V. - HARTMANOVÁ, Mária. Preparation and properties of transparent thoria yttria ceramics. In *Solid State Ionics : diffusion and reactions*, 1989, vol. 36, no. 3-4, p. 193-195. ISSN 0167-2738. Dostupné na: [https://doi.org/10.1016/0167-2738\(89\)90169-0](https://doi.org/10.1016/0167-2738(89)90169-0)

Ohlasy:

1. [1.1] ANNIE, D. - CHANDRAMOULI, V. - ANTHONYSAMY, S. - et al. Freeze drying vs microwave drying-methods for synthesis of sinteractive thoria powders. In JOURNAL OF NUCLEAR MATERIALS. ISSN 0022-3115, 2017, vol. 484, pp. 51-58., Registrované v: WOS

2. [1.1] CLAVIER, N. - CHERKASKI, Y. - MARTINEZ, J. - et al. Synthesis and Direct Sintering of Nanosized (M-IV,M-III)O₂-x Hydrated Oxides as Electrolyte Ceramics. In CHEMPHYSICHEM. ISSN 1439-4235, 2017, vol. 18, no. 19, pp. 2666-2674., Registrované v: WOS

Zobrazovací formát pre typ dokumentu " nedefinovaný! sysno:273868

ADMA44 RIBANSKÝ, I. - GMUCA, Štefan. Neutron activation cross sections for Ti isotopes at 14.8 MeV. Dostupné na: <https://doi.org/10.1088/0305-4616/9/12/014>

Ohlasy:

1. [1.1] ZHOU, Fengqun - SONG, Yueli - LI, Yong - SUN, Xiaojun - YUAN, Shuqing. Activation cross-sections of titanium isotopes at neutron energies of 13.5-14.8 MeV. In CHINESE PHYSICS C. ISSN 1674-1137, 2019, vol. 43, no. 9, 094001. Dostupné na:

<https://doi.org/10.1088/1674-1137/43/9/094001>., Registrované v: WOS

ADMA45 ROSSEEL, E. - BAERT, M. - TEMST, K. - MOSHCHALKOV, V.V. - BRUYNSERAEDE, Y. - LOBOTKA, Peter - VÁVRA, Ivo - SENDERÁK, Rudolf - JERGEL, Matej. Critical fields of W/Si multilayers. In *Physica C*, 1994, vol. 225, p. 262. Dostupné na: [https://doi.org/10.1016/0921-4534\(94\)90722-6](https://doi.org/10.1016/0921-4534(94)90722-6)

Ohlasy:

1. [1.1] FLORYA, I.N. - KORNEEVA, Y.P. - MIKHAILOV, M.Y. - DEVIZENKO, A.Y. - KORNEEV, A.A. - GOLTSMAN, G.N. Photon counting statistics of superconducting single-photon detectors made of a three-layer WSi film. In LOW TEMPERATURE PHYSICS. MAR 2018, vol. 44, no. 3, p. 221-225., Registrované v: WOS

2. [1.1] LAU, Y.C. - AKIYAMA, R. - HIROSE, H.T. - NAKANISHI, R. - TERASHIMA, T. - UJI, S. - HASEGAWA, S. - HAYASHI, M. Concomitance of superconducting spin-orbit scattering length and normal state spin diffusion length in W on (Bi,Sb)(2)Te-3. In JOURNAL OF PHYSICS-MATERIALS. JUL 2020, vol. 3, no. 3., Registrované v: WOS

ADMA46 ŠAMAJ, Ladislav - KOLEŠÍK, Miroslav. Mapping of p-state symmetrical vertex model on the honeycomb lattice onto its ising-spin counterpart. In *International Journal of Modern Physics B*, 1992, vol. 6, no. 2, pp. 251-260. ISSN 0217-9792.

Ohlasy:

1. [1.1] ASSIS, Michael. The 16-vertex model and its even and odd 8-vertex subcases on the square lattice. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2017, vol. 50, no. 39, 395001., Registrované v: WOS

ADMA47 ŠKORVÁNEK, Ivan - MARCIN, Jozef - CAPIK, Marek - VARGA, Marek - TURČANOVÁ, Jana - KOVÁČ, Jozef - ŠVEC, Peter - JANIČKOVIČ, Dušan - KOVÁČ, František - STOYKA, Volodymyr. Tailoring of functional properties in Fe-based soft magnetic alloys by thermal processing under magnetic field. In *Magnetohydrodynamics*, 2012, vol. 48, no. 2, p. 371-377. (2011: 0.413 - IF, Q4 - JCR, 0.228 - SJR, Q3 - SJR). (2012 - WOS, SCOPUS). ISSN 0024-998X.

Ohlasy:

1. [1.1] MIGLIERINI, M. - PROCHAZKA, V. - RUEFFER, R. - ZBORIL, R. In situ crystallization of metallic glasses during magnetic field annealing. In ACTA MATERIALIA. ISSN 1359-6454, 2015, vol. 91, pp. 50., Registrované v: WOS
2. [1.1] MILYUTIN, V. A. - GERVASYEVA, I. V. Effect of high magnetic field on phase and structural transformations in ferromagnetic alloys. Review. In LETTERS ON MATERIALS-PIS MA O MATERIALAKH. ISSN 2218-5046, 2018, vol. 8, no. 1, pp. 59-65., Registrované v: WOS
3. [1.1] PROCHAZKA, V. - VRBA, V. - SMRCKA, D. - RUEFFER, R. - MATUS, P. - MASLAN, M. - MIGLIERINI, M. B. Structural transformation of NANOPERM-type metallic glasses followed in situ by synchrotron radiation during thermal annealing in external magnetic field. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2015, vol. 638, pp. 398., Registrované v: WOS
4. [1.1] PROCHAZKA, V. - ZEMAN, L. - SMRCKA, D. - DUDKA, M. - VUJTEK, M. - MASLAN, M. - MIGLIERINI, M. B. Enhancement of crystallization in Fe-Mo-Cu-B metallic glass by deposition of Co layer. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2016, vol. 684, pp. 604-612., Registrované v: WOS
5. [1.1] XIA, Zhenjun - HE, Jun - OU, Xiulong - HE, Shuli - ZHAO, Dongliang - YU, Guanghua. Influence of electric field on the microstructures and magnetic softness of FeNi nanoparticle films. In APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING. ISSN 0947-8396, 2016, vol. 122, no. 9., Registrované v: WOS
6. [1.1] YUZUAK, G. Durak - YUZUAK, E. - NEVRUZOGU, V. Magneto-Impedance in Co₃₅Fe₆₅/Cu/Co₃₅Fe₆₅ Single and Bi-layer Thin Films. In ELECTRONIC MATERIALS LETTERS. ISSN 1738-8090, 2020, vol. 16, no. 5, pp. 473-480., Registrované v: WOS

ADMA48 TRNOVCOVÁ, Viera - ZAKALYUKIN, R. M. - SOROKIN, N.I. - LEŽAL, D. - FEDOROV, P. P. - ILLEKOVÁ, Emília - ŠKUBLA, A. - KADLEČÍKOVÁ, M. Physical properties of fluoride glasses for ionics. In *Materials Science Forum*, 2005, vol. 480, p. 299-304. ISSN 0255-5476. Dostupné na: <https://doi.org/10.4028/0-87849-962-8.299>

Ohlasy:

1. [1.1] KAVUN, V. Ya. - SLOBODYUK, A. B. - MERKULOV, E. B. - POLYANTSEV, M. M. - GONCHARUK, V. K. Synthesis and Ion Mobility in

Glasses of ZrF₄-BiF₃-Rb(Cs)F Fluoride Systems. In RUSSIAN JOURNAL OF INORGANIC CHEMISTRY. ISSN 0036-0236, 2018, vol. 63, no. 2, pp. 149-156., Registrované v: WOS

2. [1.1] SLOBODYUK, A. B. - DIDENKO, N. A. - KAVUN, V. Ya. PHASE TRANSITIONS AND IONIC MOBILITY IN SOLID SOLUTIONS IN THE SYSTEM (NH₄)₂ZrF₆-InF₃. In JOURNAL OF STRUCTURAL CHEMISTRY. ISSN 0022-4766, 2018, vol. 59, no. 2, pp. 306-312., Registrované v: WOS

ADMA49 VLASÁK, Gabriel - KACZKOWSKI, Zbigniew - DUHAJ, Pavol.

Magnetostriction of the Fe_{73.5}Cu₁Ta₂Nb₁Si_{13.5}B₉ Alloy. In *Journal of Magnetism and Magnetic Materials*, 2000, vol. 215-216, p. 476-478. (1999: 1.195 - IF, Current Contents - CCC). (2000 - Current Contents, WOS, SCOPUS). ISSN 0304-8853.

Dostupné na: [https://doi.org/10.1016/S0304-8853\(00\)00297-3](https://doi.org/10.1016/S0304-8853(00)00297-3)

Ohlasy:

1. [1.1] WANG, Yuhao - TIAN, Yefan - KIRK, Tanner - LARIS, Omar - ROSS, Joseph H. - NOEBE, Ronald D. - KEYLIN, Vladimir - ARROYAVE, Raymundo. Accelerated design of Fe-based soft magnetic materials using machine learning and stochastic optimization. In ACTA MATERIALIA. ISSN 1359-6454, 2020, vol. 194, pp. 144-155., Registrované v: WOS

ADMA50 ZIGO, Juraj - ŠVEC, Peter Jr. - JANIČKOVIČ, Dušan - JANOTOVÁ, Irena -

MAŤKO, Igor - MIHALKOVIČ, Marek - ŠVEC, Peter. Evolution of complex phases in Al-Fe-Si systems. In *Materials Research*, 2015, vol. 18, p. 141-145. (2014: 0.793 - IF, Q4 - JCR, 0.346 - SJR, Q2 - SJR). ISSN 1516-1439.

Ohlasy:

1. [1.1] DESHMUKH, A. A. - KHOND, A. A. - PALIKUNDWAR, U. A. Prediction of glass forming compositions in Al-Fe-Si alloy system by thermodynamic approach. In JOURNAL OF NON-CRYSTALLINE SOLIDS. ISSN 0022-3093, 2017, vol. 477, pp. 50-57., Registrované v: WOS

2. [1.1] FATOBA, O. S. - AKINLABI, S. A. - AKINLABI, E. T. - GHAREHBAGHI, R. Microstructural analysis, micro-hardness and wear resistance properties of quasicrystalline Al-Cu-Fe coatings on Ti-6Al-4V alloy. In MATERIALS RESEARCH EXPRESS. ISSN 2053-1591, 2018, vol. 5, no. 6, 066538., Registrované v: WOS

3. [1.1] ZHU, Lilong - SOTO-MEDINA, Sujeily - HENNIG, Richard G. - MANUEL, Michele. Experimental investigation of the Al-Co-Fe phase diagram over the whole composition range. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2020, vol. 815, 152110., Registrované v: WOS

ADMB Scientific papers in foreign non-impacted journals registered in Web of Sciences or Scopus

ADMB01 ACOSTA, L. - PAGANO, E. V. - MINNITI, T. - VERDE, G. - AMORINI, F. - ANZALONE, A. - AUDITORE, L. - BUSCEMI, M. - CARDELLA, G. - CHBIHI, A. - DE FILIPPO, E. - VENHART, Martin - VESELSKÝ, Martin. FARCOS, a new array for femtoscopy and correlation spectroscopy. In *EPJ Web of Conferences*, 2012, vol. 31, uNSP 00035. ISSN 2100-014X. Dostupné na: <https://doi.org/10.1051/epjconf/20123100035>

Ohlasy:

1. [1.1] DELL'AQUILA, D. - SWEANY, S. - BROWN, K. W. - CHAJECKI, Z. - LYNCH, W. G. - TEH, F. C. E. - TSANG, C-Y - TSANG, M. B. - ZHU, K. - ANDERSON, C. - ANTHONY, A. - BARLINI, S. - BARNEY, J. - CAMAIANI, A. - JHANG, G. - CROSBY, J. - ESTEE, J. - GHAZALI, M. - GUAN, F. - KHANAL, O. - KODALI, S. - LOMBARDO, I - MANFREDI, J. - MORELLI, L. - MORFOUACE, P. - NIU, C. - VERDE, G. Non-linearity effects on the light-output calibration of light charged particles in CsI(Tl) scintillator crystals. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, 2019, vol. 929, pp. 162-172., Registrované v: WOS

ADMB02 ADAMUŠČIN, Cyril - BARTOŠ, Erik - DUBNIČKA, Stanislav - DUBNIČKOVÁ, A.Z. Advanced nucleon electromagnetic structure model and charge proton rms radius. In *Nuclear Physics B - Proceedings Supplements*, 2013, vol. 245, p. 69-73. (2013 - WOS, SCOPUS). ISSN 0920-5632. Dostupné na: <https://doi.org/10.1016/j.nuclphysbps.2013.10.014>

Ohlasy:

1. [1.1] HORBATSCH, Marko - HESSELS, Eric A. - PINEDA, Antonio. Proton radius from electron-proton scattering and chiral perturbation theory. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 3, 035203., Registrované v: WOS

2. [1.1] MAHROUS, E. M. - DARWISH, E. M. - ABOU-ELSEBAA, H. M. - HEMMDAN, A. Influence of Nucleon Structure on Tensor and Vector Analyzing Powers in Elastic Electron-Deuteron Scattering. In MOSCOW UNIVERSITY PHYSICS BULLETIN. ISSN 0027-1349, 2019, vol. 74, no. 4, pp. 341-352., Registrované v: WOS

3. [1.1] ZHABA, V. THE INFLUENCE OF THE FORM OF NUCLEON FORM FACTORS ON THE CALCULATION OF TENSOR DEUTERON POLARIZATIONS $t(2i)$. In ROMANIAN JOURNAL OF PHYSICS. ISSN 1221-146X, 2020, vol. 65, no. 9-10, 306., Registrované v: WOS

ADMB03 AFANASIEV, S.F. - BEKMIRZAEV, R.N. - BASKOV, V.A. - CRUCERU, I. - CONSTANTIN, F. - CRUCERU, M. - CIOLACU, L. - DIRNER, A. - DRYABLOV, D.K. - DUBINCHIN, B.V. - IBADOV, R.M. - IGAMKULOV, Z.A. - IVANOV, V.I. - ISUPOV, A.Yu. - JOMURODOV, D.M. - KRAVČÁKOVÁ, A. - KUZNECOV, S.N. - MALAKHOV, A.I. - MATOUŠEK, Vladislav - NIOLESCU, G. - LEBEDEV, A.I. - L'VOV, A.I. - PAVLYUCHENKO, L.N. - PLEKHANOV, E.B. - POLYANSKY, V.V. - RZHANOV, E.B. - SIDORIN, S.S. - SMIRNOV, V.A. - SOKOL, G.A. - ŠPAVOROVÁ, M. - SULTANOV, M.U. - TURZO, Ivan - VOKÁL, S. - VRLÁKOVÁ, J. New status of the project "éta-nuclei" at the nuclotron. In *Nuclear Physics B - Proceedings Supplements*, 2013, vol. 245, p. 173-176. (2013 - WOS, SCOPUS). ISSN 0920-5632. Dostupné na: <https://doi.org/10.1016/j.nuclphysbps.2013.10.034>

Ohlasy:

1. [1.1] MOSKAL, P. SEARCH FOR EXOTIC HADRONIC MATTER: TETRAQUARKS, PENTAQUARKS, DIBARYONS AND MESIC NUCLEI. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2016, vol. 47, no. 1, pp. 97-108., Registrované v: WOS

ADMB04 AFANASIEV, S.V. - ARTIOMOV, A.S. - BEKMIRZAEV, R.N. - DRYABLOV, D.K. - IGAMKULOV, Z.A. - IVANOV, V.I. - ISUPOV, A.Yu. - JOMURODOV, D.M. - MALAKHOV, A.I. - MATOUŠEK, Vladislav - MORHÁČ, Miroslav - LEBEDEV, A.I. - LVOV, A.I. - PAVLYUCHENKO, L.N. - PLEKHANOV, E.B. - POLYANSKY, V.V. - SIDORIN, S.S. - SOKOL, G.A. - TURZO, Ivan. Search results of eta-mesic nuclei in the d plus C reaction in JINR. In *Nuclear Physics B - Proceedings Supplements*, 2011, vol. 219-220, p. 255-258. ISSN 0920-5632. Dostupné na: <https://doi.org/10.1016/j.nuclphysbps.2011.10.105>

Ohlasy:

1. [1.1] KRUSCHE, B. - WILKIN, C. Production of eta and eta ' mesons on nucleons and nuclei. In *PROGRESS IN PARTICLE AND NUCLEAR PHYSICS*. ISSN 0146-6410, 2015, vol. 80, no., pp. 43-95. Dostupné na: <https://doi.org/10.1016/j.ppnp.2014.10.001>., Registrované v: WOS
2. [1.1] METAG, V. - NANOVA, M. - PARYEV, E. Ya. Meson-nucleus potentials and the search for meson-nucleus bound states. In *PROGRESS IN PARTICLE AND NUCLEAR PHYSICS*. ISSN 0146-6410, 2017, vol. 97, pp. 199-260. Dostupné na: <https://doi.org/10.1016/j.ppnp.2017.08.002>., Registrované v: WOS
3. [1.1] MOSKAL, Pawel - SKURZOK, Magdalena - KRZEMIEN, Wojciech. Status and Perspectives of the Search for Eta-Mesic Nuclei. In *LATIN AMERICAN SYMPOSIUM ON NUCLEAR PHYSICS AND APPLICATIONS*. ISSN 0094-243X, 2016, vol. 1753, 030012. Dostupné na: <https://doi.org/10.1063/1.4955353>., Registrované v: WOS

ADMB05 BARTOŠ, Erik - DUBNIČKA, Stanislav - DUBNIČKOVÁ, A.Z. - HISAKI, Hayashi. On the precise determination of the differences of rho-meson family parameters. In *EPJ Web of Conferences*, 2014, vol. 81, 05004. (2013: 0.166 - SJR). (2014 - WOS, SCOPUS). ISSN 2100-014X. Dostupné na: <https://doi.org/10.1051/epjconf/20148105004>

Ohlasy:

1. [1.1] LOMON, Earle L. - PACETTI, Simone. Analytic pion form factor. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2016, vol. 94, no. 5, 056002., Registrované v: WOS

ADMB06 BĚTÁK, Emil. Iwamoto-Harada model of pre-equilibrium cluster emission: Should we care about angular momentum? In *EPJ Web of Conferences*, 2012, vol. 21, 09004. ISSN 2100-014X.

Ohlasy:

1. [1.1] RAHMAN, Md. Shakilur - KIM, Kwangsoo - NGUYEN, Thi Hien - KIM, Guinyun - NAIK, Haladhara - YANG, Sung-Chul - SHIN, Sung-Gyun - KYE, Yong-uk - CHO, Moo-Hyun. Measurement of flux-weighted average cross sections of In-nat(gamma, xn) reactions and isomeric yield ratios of (112mg,111m,g,110m,g) In with bremsstrahlung. In *EUROPEAN PHYSICAL JOURNAL A*. ISSN 1434-6001, 2020, vol. 56, no. 9, 235., Registrované v: WOS

ADMB07 BĚTÁK, Emil** - CSEH, J. State density formalism of the Iwamoto-Harada model: A suitable tool to treat cluster emission from heavy-ion collisions with account for spin variables. In *EPJ Web of Conferences*, 2017, vol. 146, art. no.

12023. (2016: 0.200 - SJR). ISSN 2100-014X. Dostupné na:
<https://doi.org/10.1051/epjconf/2017/201714612023>

Ohlasy:

1. [1.1] CHAUHAN, Amit - MAITI, Moumita. New measurement of residues from Li-7 + Ta-nat reaction within 4-6.5 MeV/nucleon: Production yield for Os-183. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 3, 034608., Registrované v: WOS

ADMB08 CARMELI, C. - HEINOSAARI, T. - REITZNER, Daniel - SCHULTZ, J. - TOIGO, A. Quantum incompatibility in collective measurements. In *Mathematics*, 2016, vol. 4, no. 3, p. 54. (2016 - SCOPUS, WOS). ISSN 2227-7390. Dostupné na:
<https://doi.org/10.3390/math4030054>

Ohlasy:

1. [1.1] FILIPPOV, Sergey N. - HEINOSAARI, Teiko - LEPPAJARVI, Leevi. Simulability of observables in general probabilistic theories. In PHYSICAL REVIEW A. ISSN 2469-9926, 2018, vol. 97, no. 6, 062102., Registrované v: WOS
2. [1.1] UOLA, Roope - COSTA, Ana C. S. - CHAU NGUYEN, H. - GUEHNE, Otfried. Quantum steering. In REVIEWS OF MODERN PHYSICS. ISSN 0034-6861, 2020, vol. 92, no. 1, 015001., Registrované v: WOS

ADMB09 COCOLIOS, T. E. - ANDREYEV, A. N. - ANTALIC, S. - BARZAKH, A. E. - BASTIN, B. - BUSCHER, J. - DARBY, I. G. - DEXTERS, W. - FEDOROV, D. V. - FEDOSSEEV, V. N. - FLANAGAN, K. T. - FRANCHOO, S. - FRITZSCHE, S. - HUBER, G. - HUYSE, M. - KEUPERS, M. - KOSTER, U. - KUDRYAVTSEV, Y. - MANE, E. - MARSH, B. A. - MOLKANOV, P. L. - PAGE, R. D. - SELIVERSTOV, M. D. - SJODIN, A. M. - STEFAN, I. - VAN DE WALLE, J. - VAN DUPPEN, P. - VENHART, Martin - ZEMLYANOY, S. G. Early onset of deformation in the neutron-deficient polonium isotopes. In *Journal of Physics: Conference Series*, 2012, vol. 381, 012072. (2011: 0.293 - SJR, Q3 - SJR). (2012 - WOS, SCOPUS). ISSN 1742-6588. Dostupné na:
<https://doi.org/10.1088/1742-6596/381/1/012072>

Ohlasy:

1. [1.1] SINGH, Balraj - BASUNIA, M. S. - MARTIN, Murray - MCCUTCHAN, E. A. - BALA, Indu - CABALLERO-FOLCH, R. - CANAVAN, Rhiann - CHAKRABARTI, Ritwika - CHEKHOVSKA, A. - GRINDER, M. M. - KAIM, Samra - KANJILAL, Debasmita - KASPEROVYCH, D. - KOBRA, M. J. - KOURA, H. - NANDI, Soumen - OLACEL, Adina - SINGH, Abhilasha - TEE, B. P. E. Nuclear Data Sheets for A=218. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2019, vol. 160, pp. 405-471., Registrované v: WOS

ADMB10 DAVALOS, David** - ZIMAN, Mário - PINEDA, Carlos. Divisibility of qubit channels and dynamical maps. In *Quantum : the open journal for quantum science*, 2019, vol. 3, art. no. 144. (2019 - Current Contents, WOS, SCOPUS). ISSN 2521-327X. Dostupné na: <https://doi.org/10.22331/q-2019-05-20-144>

Ohlasy:

1. [1.1] FILIPPOV, S. N. - GLINOV, A. N. - LEPPAJARVI, L. Phase Covariant Qubit Dynamics and Divisibility. In LOBACHEVSKII JOURNAL OF MATHEMATICS. ISSN 1995-0802, 2020, vol. 41, no. 4, pp. 617-630. Dostupné

na: <https://doi.org/10.1134/S1995080220040095>., Registrované v: WOS

2. [1.1] SIUDZINSKA, Katarzyna. Geometry of Pauli maps and Pauli channelsbold /bold. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 6, pp. Dostupné na: <https://doi.org/10.1103/PhysRevA.100.062331>., Registrované v: WOS

3. [1.1] SIUDZINSKA, Katarzyna. Geometry of symmetric and noninvertible Pauli channels. In PHYSICAL REVIEW A. ISSN 2469-9926, 2020, vol. 102, no. 6, pp. Dostupné na: <https://doi.org/10.1103/PhysRevA.102.062615>., Registrované v: WOS

4. [1.1] SIUDZINSKA, Katarzyna. Geometry of generalized Pauli channels. In PHYSICAL REVIEW A. ISSN 2469-9926, 2020, vol. 101, no. 6, pp. Dostupné na: <https://doi.org/10.1103/PhysRevA.101.062323>., Registrované v: WOS

ADMB11 DUBNIČKOVÁ, A. Z. - DUBNIČKA, Stanislav - GOUDZOVSKI, E. - PERVUSHIN, V. N. - SEČANSKÝ, M. Radiative kaon decay in the chiral perturbation theory(1,2). In *Physics of Particles and Nuclei Letters*, 2008, vol. 5, no. 2, p. 76-84. (2007: 0.149 - SJR, Q3 - SJR). (2008 - SCOPUS). ISSN 1547-4771.

Ohlasy:

1. [1.2] ALVES JUNIOR, A. A. - BETTLER, M. O. - BREA RODRÍGUEZ, A. - et al. Prospects for measurements with strange hadrons at LHCb. In *Journal of High Energy Physics*. ISSN 11266708, 2019, no. 5, 048., Registrované v: SCOPUS

2. [1.2] D'AMBROSIO, Giancarlo - GREYNAT, David - KNECHT, Marc. On the amplitudes for the CP-conserving $K^{\pm}/K^0 \rightarrow \pi^{\pm}/\pi^0 \ell^{\pm}/\ell^0$ rare decay modes. In *Journal of High Energy Physics*. ISSN 11266708, 2019, no. 2, 049., Registrované v: SCOPUS

ADMB12 DUHAJ, Pavol - ŠVEC, Peter. Micromechanism of crystallization of amorphous-alloys. In *Key Engineering Materials*, 1990, vol. 40-41, p. 69-86. ISSN 1013-9826.

Ohlasy:

1. [1.1] ZHAN, Xun - ERNST, Frank. Crystallization micro-mechanism of near-eutectic amorphous Ni-P. In *ACTA MATERIALIA*. ISSN 1359-6454, 2016, vol. 104, pp. 274-282., Registrované v: WOS

ADMB13 FILIP, Peter. Strong Decay of $\phi(1s)$, $\gamma(4s)$ and $\Sigma(4s)$ in Magnetic Field. In *Journal of Physics: Conference Series*, 2016, vol. 668, no. 1, art. no. 012055. (2015: 0.252 - SJR, Q3 - SJR). (2016 - SCOPUS, WOS). ISSN 1742-6588. Dostupné na: <https://doi.org/10.1088/1742-6596/668/1/012055>

Ohlasy:

1. [1.1] GHOSH, Snigdha - MUKHERJEE, Arghya - ROY, Pradip - SARKAR, Sourav. General structure of the neutral rho meson self-energy and its spectral properties in a hot and dense magnetized medium. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2019, vol. 99, no. 9, 096004., Registrované v: WOS

ADMB14 GMUCOVÁ, Katarína** - NÁDAŽDÝ, Vojtech** - VÁRY, Tomáš**. Density of dark and light-induced polaron states in polymer PFO and copolymer

PFO-DBT thin films. In *AIP Conference Proceedings*, 2018, vol. 1996, no. 1, 020014. (2017: 0.165 - SJR). (2018 - SCOPUS, WOS). ISSN 0094-243X. Dostupné na: <https://doi.org/10.1063/1.5048866>

Ohlasy:

1. [1.1] BASSI, Maiara de Jesus - BENATTO, Leandro - WOUK, Luana - HOLAKOEI, Soheila - OLIVEIRA, Camilla Karla - ROCCO, Maria Luiza M. - ROMAN, Lucimara Stolz. Correlation between structural and optical characteristics of conjugated copolymers differing by a Si bridge atom. In *PHYSICAL CHEMISTRY CHEMICAL PHYSICS*. ISSN 1463-9076, 2020, vol. 22, no. 35, pp. 19923-19931., Registrované v: WOS
2. [1.1] KRINICHNYI, Victor I. - YUDANOVA, Evgeniya I. - DENISOV, Nikolay N. - BOGATYRENKO, Victor R. Light-Induced Electron Paramagnetic Resonance Spectroscopy of Spin-Assisted Charge Transfer in Narrow-Bandgap Copolymer:Methanofullerene Composites. In *JOURNAL OF PHYSICAL CHEMISTRY C*. ISSN 1932-7447, 2019, vol. 123, no. 27, pp. 16533-16545., Registrované v: WOS

ADMB15 GUPTA, P. - GANGULI, T. - SINHA, A.K. - SINGH, M.N. - ŠVEC, Peter Jr. - DEB, S.K. Ordering of FeCo nanocrystalline phase in FeCoNbB alloy: An anomalous diffraction study. In *AIP Conference Proceedings*, 2013, vol. 1512, p. 362-363. (2012: 0.170 - SJR). (2013 - WOS, SCOPUS). ISSN 0094-243X. Dostupné na: <https://doi.org/10.1063/1.4791061>

Ohlasy:

1. [1.1] TOEBBENS, Daniel M. - SCHORR, Susan. The use of anomalous x-ray diffraction as a tool for the analysis of compound semiconductors. In *SEMICONDUCTOR SCIENCE AND TECHNOLOGY*. ISSN 0268-1242, 2017, vol. 32, no. 10, 103002., Registrované v: WOS

ADMB16 HALÁSZOVÁ, Soňa** - VÁRY, Tomáš - NÁDAŽDY, Vojtech - CHLPÍK, Juraj - CIRÁK, Július. Effect of substrate roughness on photoluminescence of poly(3-hexylthiophene). In *AIP Conference Proceedings : Applied Physics of condensed Matter (APCOM 2018)*, 2018, vol. 1996, art. no. 020015. (2017: 0.165 - SJR). (2018 - SCOPUS, WOS). ISSN 0094-243X. Dostupné na: <https://doi.org/10.1063/1.5048867>

Ohlasy:

1. [1.1] EGGIMANN, Hannah J. - PATEL, Jay B. - JOHNSTON, Michael B. - HERZ, Laura M. Efficient energy transfer mitigates parasitic light absorption in molecular charge-extraction layers for perovskite solar cells. In *NATURE COMMUNICATIONS*. ISSN 2041-1723, 2020, vol. 11, no. 1, 5525., Registrované v: WOS
2. [1.1] WAGNER, Avital - RATZKER, Barak - KALABUKHOV, Sergey - FRAGE, Nachum. Enhanced external luminescence quantum efficiency of ceramic phosphors by surface roughening. In *JOURNAL OF LUMINESCENCE*. ISSN 0022-2313, 2019, vol. 213, pp. 454-458., Registrované v: WOS

ADMB17 IVANČO, Ján - HALAHOVETS, Yuriy - VÉGSO, Karol - KLAČKOVÁ, I. - KOTLÁR, Mário - VOJTKO, Andrej - MIČUŠÍK, Matej - JERGEL, Matej - MAJKOVÁ, Eva. Cyclopean gauge factor of the strain-resistance transduction of indium oxide films. In *IOP Conference Series: Materials Science and Engineering*. -

Bristol, UK : IOP Publishing, 2016, vol. 108, art. no. 012043. (2015: 0.172 - SJR).
ISSN 1757-899x. Dostupné na: <https://doi.org/10.1088/1757-899X/108/1/012043>

Ohlasy:

1. [1.1] TOTARO, Massimo - DI NATALI, Christian -
BERNARDESCHI, Irene - ORTIZ, Jesus - BECCAI, Lucia. Mechanical Sensing
for Lower Limb Soft Exoskeletons: Recent Progress and Challenges. In
ROBOTICS IN HEALTHCARE: FIELD EXAMPLES AND CHALLENGES.
ISSN 0065-2598, 2019, vol. 1170, pp. 69-85. Dostupné na:
https://doi.org/10.1007/978-3-030-24230-5_3, Registrované v: WOS

ADMB18 JAMES, Jemy - JOSEPH, Blessy - SHAJI, Ashin - NANCY, Parvathy -
KALARIKKAL, Nandakumar - THOMAS, Sabu - GROHENS, Yves - VIGNAUD,
Guillaume. Microscopic Analysis of Plasma-Activated Polymeric Materials. In
*Non-Thermal Plasma Technology for Polymeric Materials: Applications in
Composites, Nanostructured Materials and Biomedical Fields*. - Amsterdam,
Netherlands : Elsevier Inc., 2019, 2019, p. 287-317. ISBN 978-0-12-813152-7.
Dostupné na: <https://doi.org/10.1016/B978-0-12-813152-7.00011-1>

Ohlasy:

1. [1.1] GHOLAMI, Nasim - JALEH, Babak - GOLBEDAGHI, Reza -
LARIJANI, Majid Mojtahedzadeh - WANICHAPICHART, Pikul -
NASROLLAHZADEH, Mahmoud - VARMA, Rajender S. Modification of
Chitosan Membranes via Methane Ion Beam. In MOLECULES, 2020, vol. 25,
no. 10, 2292., Registrované v: WOS
2. [1.1] SAUERBIER, Philipp - KOEHLER, Robert - RENNER, Gerrit -
MILITZ, Holger. Plasma Treatment of Polypropylene-Based Wood-Plastic
Composites (WPC): Influences of Working Gas. In POLYMERS, 2020, vol. 12,
no. 9, 1933., Registrované v: WOS

ADMB19 JANOTOVÁ, Irena** - ŠVEC, Peter Jr.** - MAŤKO, Igor** - JANIČKOVIČ,
Dušan** - ŠVEC, Peter**. Evolution and degradation of magnetic MnBi phase. In
*AIP Conference Proceedings : Applied Physics of condensed Matter (APCOM
2018)*, 2018, vol. 1996, art. no. 020021. (2017: 0.165 - SJR). (2018 - SCOPUS,
WOS). ISSN 0094-243X. Dostupné na: <https://doi.org/10.1063/1.5048873>

Ohlasy:

1. [1.1] ANAND, Kritika - CHRISTOPHER, Nithya - SINGH, Nidhi.
Influence of wheel speed and ageing on nanostructure and magnetic properties of
Cr-doped MnBi magnetic material. In APPLIED PHYSICS A-MATERIALS
SCIENCE & PROCESSING. ISSN 0947-8396, 2020, vol. 126, no. 5, 339.,
Registrované v: WOS

ADMB20 KAVETSKYY, T.** - IIDA, K. - NAGASHIMA, Y. - KUCZUMOW, A. -
ŠAUŠA, Ondrej - NUZHIDIN, V. - VALEEV, V. - STEPANOV, A.L. High-dose
boron and silver ion implantation into PMMA probed by slow positrons: Effects of
carbonization and formation of metal nanoparticles. In *Journal of Physics:
Conference Series*, 2017, vol. 791, art. no. 012028. (2016: 0.240 - SJR, Q3 - SJR).
(2017 - WOS, SCOPUS). ISSN 1742-6588. Dostupné na:
<https://doi.org/10.1088/1742-6596/791/1/012028>

Ohlasy:

1. [1.1] TUREK, Marcin - DROZDZIEL, Andrzej - PYSZNIAK,
Krzysztof - GRUDZINSKI, Wojciech - KLIMEK-TUREK, Anna. Modification

of PET polymer foils by K⁺ ion irradiation. In PRZEGLAD ELEKTROTECHNICZNY. ISSN 0033-2097, 2020, vol. 96, no. 8, pp. 151-155., Registrované v: WOS

- ADMB21 KAVETSKYY, T. - TSMOTS, V. - ŠAUŠA, Ondrej - STEPANOV, A.L. Structural modification of chalcogenide glasses by gamma-irradiation studied with DBAL technique. In *Physica Status Solidi C*, 2012, vol. 9, no. 12, p. 2420-2423. (2012 - SCOPUS). ISSN 1610-1634. Dostupné na: <https://doi.org/10.1002/pssc.201200252>
Ohlasy:
1. [1.1] SHPOTYUK, O. - INGRAM, A. - SZATANIK, R. - SHPOTYUK, M. - GOLOYCHAK, R. Structural-relaxation phenomena in As-S glasses as probed by combined PAL/DBAR technique. In MATERIALS CHEMISTRY AND PHYSICS. ISSN 0254-0584, 2015, vol. 155, pp. 76-82., Registrované v: WOS
2. [1.1] SRIVASTAVA, Ankita - SHARMA, S. D. - MEHTA, Neeraj. Characterization of novel SeTeSn Chalcogenide Glassy Alloy (STS ChGA) as shielding material: Case study of its resistance against gamma-ray irradiation for nuclear waste immobilization applications. In JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING. ISSN 2213-2929, 2019, vol. 7, no. 2, UNSP 103032., Registrované v: WOS
- ADMB22 KAVETSKYY, T.S.** - LIEDKE, M.O. - SRINIVASAN, N. - WAGNER, A. - KRAUSE-REHBERG, R. - ŠAUŠA, Ondrej - PETKOVA, T. - BOEV, V. - STEPANOV, A. L. Polymer Nanocomposites with Silver Nanoparticles Formed by Low-Energy Ion Implantation: Slow Positron Beam Spectroscopy Studies. In *NATO Science for Peace and Security Series A: Chemistry and Biology : [serial]*, 2018, p. 293-300. (2017: 0.121 - SJR, Q4 - SJR). ISSN 1874-6489. Dostupné na: https://doi.org/10.1007/978-94-024-1304-5_21
Ohlasy:
1. [1.1] DRYZEK, Jerzy. Positron diffusion enhances the accumulation effect in small particles embedded in a low-density matrix. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2019, vol. 125, no. 9, 095105., Registrované v: WOS
- ADMB23 KORYTÁR, Dušan - VAGOVIČ, Patrik - FERRARI, C. - ŠIFFALOVÍČ, Peter - JERGEL, Matej - DOBROČKA, Edmund - ZÁPRAŽNÝ, Zdenko - ÁČ, V. - MIKULÍK, P. Process- induced inhomogeneities in higher asymmetry angle x-ray monochromators. In *Proceedings of SPIE*, 2013, vol. 8848, 88480U. (2012: 0.238 - SJR). (2013 - SCOPUS). Dostupné na: <https://doi.org/10.1117/12.2025142>
Ohlasy:
1. [1.1] CUSATIS, Cesar. Large field of view X-ray microscopy with asymmetric bent crystals and a laboratory source. In JOURNAL OF APPLIED CRYSTALLOGRAPHY. JUN 2015, vol. 48, 3, p. 876-881., Registrované v: WOS
- ADMB24 KOSTIUK, Dmytro - LUBY, Štefan - DEMYDENKO, Maksym - JERGEL, Matej - ŠIFFALOVÍČ, Peter - IVANČO, Ján - MAJKOVÁ, Eva. Few-layer graphene Langmuir-Schaefer nanofilms for H₂ gas sensing. In *Procedia*

Engineering, 2016, vol. 168, p. 243-246. (2015: 0.238 - SJR). ISSN 1877-7058.
Dostupné na: <https://doi.org/10.1016/j.proeng.2016.11.172>

Ohlasy:

1. [1.1] NUFER, Sebastian - LARGE, Matthew J. - KING, Alice A. K. - OGILVIE, Sean P. - BRUNTON, Adam - DALTON, Alan B. Edge-Selective Gas Detection Using Langmuir Films of Graphene Platelets. In *ACS APPLIED MATERIALS & INTERFACES*. ISSN 1944-8244, 2018, vol. 10, no. 25, pp. 21740-21745., Registrované v: WOS

ADMB25 KRAUTZ, M. - HOŠKO, Jozef - SKOKOV, K. - ŠVEC, Peter - STOICA, M. - SCHULTZ, L. - ECKERT, J. - GUTFLEISCH, O. - WASKE, A. Pathways for novel magnetocaloric compounds: A processing prospect. In *Physica Status Solidi C. Current Topics in Solid State Physics*, 2014, vol. 11, no. 5-6, p. 1039-1042. (2013: 0.439 - SJR, Q3 - SJR). (2014 - WOS, SCOPUS). ISSN 1862-6351.

Ohlasy:

1. [1.1] DUTTA, Biswanath - KOERMANN, Fritz - HICKEL, Tilmann - NEUGEBAUER, Joerg. Impact of Co and Fe Doping on the Martensitic Transformation and the Magnetic Properties in Ni-Mn-Based Heusler Alloys. In *PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS*. ISSN 0370-1972, 2018, vol. 255, no. 2, 1700455., Registrované v: WOS
2. [1.1] KITANOVSKI, Andrej - PLAZNIK, Uros - TOMC, Urban - POREDOS, Alojz. Present and future caloric refrigeration and heat-pump technologies. In *INTERNATIONAL JOURNAL OF REFRIGERATION-REVUE INTERNATIONALE DU FROID*. ISSN 0140-7007, 2015, vol. 57, pp. 288-298., Registrované v: WOS
3. [1.1] TROJKOVA, Jana - ZIVOTSKY, Ondrej - HENDRYCH, Ales - MARKOV, Dmitry - DROBIKOVA, Klara. Magnetic Domain Patterns in Bilayered Ribbons Studied by Magnetic Force Microscopy and Magneto-Optical Kerr Microscopy. In *SCANNING*. ISSN 0161-0457, 2018, 8308460., Registrované v: WOS
4. [1.1] WASKE, Anja - DUTTA, Biswanath - TEICHERT, Niclas - WEISE, Bruno - SHAYANFAR, Navid - BECKER, Andreas - HUETTEN, Andreas - HICKEL, Tilmann. Coupling Phenomena in Magnetocaloric Materials. In *ENERGY TECHNOLOGY*. ISSN 2194-4288, 2018, vol. 6, no. 8, pp. 1429-1447., Registrované v: WOS

ADMB26 KRÍŽIK, Peter - BALOG, Martin - BAJANA, Otto - RIGLOS, Maria Victoria Castro - ŠVEC, Peter. Warm Pressing of Al Powders: An Alternative Consolidation Approach. In *Light Metals*. Part X, 2017, p. 463-469. ISBN 978-3-319-51541-0. Dostupné na: https://doi.org/10.1007/978-3-319-51541-0_58

Ohlasy:

1. [1.2] OROVČÍK, Lubomír - NOSKO, Martin - ROSOVÁ, Alica. EBSD of aluminium powder compacts Preparation method for observation in dependence on powder size. In *Mechanical Technology and Structural Materials*. ISSN 18477917, 2017-01-01, 2017, 55, pp. 99-102., Registrované v: SCOPUS

ADMB27 LEBRUN, E. - ŠVEC, Peter - NOWAK, S. - DENAND, B. - MILLET, Y. - PRIMA, F. Phase Transformations of TIMETAL-18 as a New Titanium Alloy with Bimodal Microstructure. In *Advanced Materials Research*, 2014, vol. 922, p.

418-423. (2013: 0.143 - SJR, Q4 - SJR). (2014 - Scopus). ISSN 1022-6680.
Dostupné na: <https://doi.org/10.4028/www.scientific.net/AMR.922.418>

Ohlasy:

1. [1.2] BHATTACHARYYA, Jishnu J. - NAIR, Sriramya - PAGAN, Darren C. - TARI, Vahid - ROLLETT, Anthony D. - AGNEW, Sean R. In-situ high energy X-ray diffraction study of the elastic response of a metastable β -titanium alloy. In *Acta Materialia*. ISSN 13596454, 2020, vol. 197, pp. 300-308. Dostupné na: <https://doi.org/10.1016/j.actamat.2020.07.050>., Registrované v: SCOPUS
2. [1.2] ZHAO, Y. - WRÓŃSKI, S. - BACZMAŃSKI, A. - LE JONCOUR, L. - MARCISZKO, M. - TOKARSKI, T. - WRÓBEL, M. - FRANÇOIS, M. - PANICAUD, B. Micromechanical behaviour of a two-phase Ti alloy studied using grazing incidence diffraction and a self-consistent model. In *Acta Materialia*. ISSN 13596454, 2017, vol. 136, pp. 402-414. Dostupné na: <https://doi.org/10.1016/j.actamat.2017.06.022>., Registrované v: SCOPUS

ADMB28 LUBY, Štefan - IVANČO, Ján - JERGEL, Matej - ŠVEC, Peter Jr. - KOTLÁR, Mário - KOSTIUK, Dmytro - HALAHOVETS, Yuriy - KOLLÁR, Jozef - MOSNÁČEK, Jaroslav - MAJKOVÁ, Eva. Thermal stability of gamma-Fe₂O₃ nanoparticles and their employment for sensing of acetone vapours. In *Journal of Physics: Conference Series*, 2017, vol. 939, art. no. 012009. (2016: 0.240 - SJR, Q3 - SJR). (2017 - WOS, SCOPUS). ISSN 1742-6588. Dostupné na: <https://doi.org/10.1088/1742-6596/939/1/012009>

Ohlasy:

1. [1.1] ZAHMOULI, N. - HPRI, M. - EL MIR, L. - BONAVIDA, A. - DONATO, N. - NERI, G. - LEONARDI, S. G. High performance acetone sensor based on gamma-Fe₂O₃/Al-ZnO nanocomposites. In *NANOTECHNOLOGY*. ISSN 0957-4484, 2019, vol. 30, no. 5, 055502., Registrované v: WOS

ADMB29 LUKÁČ, F. - CIZEK, J. - PROCHÁZKA, I. - JIRÁSKOVÁ, Y. - JANIČKOVIČ, Dušan - ANWAND, W. - BRAUER, G. Vacancy-induced hardening in Fe-Al alloys. In *Journal of Physics: Conference Series*, 2013, vol. 443, 012025. (2012: 0.280 - SJR). (2013 - WOS, SCOPUS). ISSN 1742-6588. Dostupné na: <https://doi.org/10.1088/1742-6596/443/1/012025>

Ohlasy:

1. [1.1] AGARWAL, S. - LIEDKE, M. O. - JONES, A. C. L. - REED, E. - KOHNERT, A. A. - UBERUAGA, B. P. - WANG, Y. Q. - COOPER, J. - KAOUMI, D. - LI, N. - AUGUSTE, R. - HOSEMAN, P. - CAPOLUNGO, L. - EDWARDS, D. J. - BUTTERLING, M. - HIRSCHMANN, E. - WAGNER, A. - SELIM, F. A. A new mechanism for void-cascade interaction from nondestructive depth-resolved atomic-scale measurements of ion irradiation-induced defects in Fe. In *SCIENCE ADVANCES*. ISSN 2375-2548, 2020, vol. 6, no. 31, eaba8437., Registrované v: WOS
2. [1.1] DRYZEK, Jerzy - HORODEK, Pawel. The solution of the positron diffusion trapping model tested for profiling of defects induced by proton implanted in stainless steel. In *APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING*. ISSN 0947-8396, 2015, vol. 121, no. 1, pp. 289., Registrované v: WOS
3. [1.1] HORODEK, Pawel - KOBETS, Andrey G. - MESHKOV, Igor N. - SIDORIN, Alexey A. - ORLOV, Oleg S. Slow positron beam at the JINR,

Dubna. In NUKLEONIKA. ISSN 0029-5922, 2015, vol. 60, no. 4, pp. 725.,
Registrované v: WOS

4. [1.1] CHAKRAVARTY, Sujay - CHIRAYATH, Varghese Anto -
GANGAVARAPU, Amarendra - PARIDA, Pradyumna - DASGUPTA, Arup.
Residual stress relaxation mechanism at low homologous temperature in
nanocrystalline iron thin film deposited on Si (100) substrate. In JOURNAL OF
PHYSICS D-APPLIED PHYSICS. ISSN 0022-3727, 2015, vol. 48, no. 30,
305303., Registrované v: WOS

ADMB30 MAJERNÍK, V. - NAGY, Miroslav. Quaternionic Form of Maxwells
Equations with Sources. In *Lettere al Nuovo Cimento*, 1976, vol. 16, no. 9, p.
265-268. ISSN 0375-930X. Dostupné na: <https://doi.org/10.1007/BF02747070>

Ohlasy:

1. [1.1] KANSU, Mustafa Emre. Quaternionic representation of
electromagnetism for material media. In INTERNATIONAL JOURNAL OF
GEOMETRIC METHODS IN MODERN PHYSICS. ISSN 0219-8878, 2019,
vol. 16, no. 7, 1950105., Registrované v: WOS

2. [1.1] KANSU, M. E. - TANISLI, M. - DEMIR, S. Quaternionic
comparisons of electromagnetism using Lorentz transformations. In EUROPEAN
PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2020, vol. 135, no. 2.,
Registrované v: WOS

3. [1.1] ULRYCH, S. Conformal Numbers. In ADVANCES IN
APPLIED CLIFFORD ALGEBRAS. ISSN 0188-7009, 2017, vol. 27, no. 2, pp.
1895-1906., Registrované v: WOS

ADMB31 MOHAMMADY, Mohammed Hamed - ROMITO, Alessandro. Conditional
work statistics of quantum measurements. In *Quantum : the open journal for
quantum science*, 2019, vol. 3, art. no. 175. (2019 - Current Contents, WOS,
SCOPUS). ISSN 2521-327X. Dostupné na:
<https://doi.org/10.22331/q-2019-08-19-175>

Ohlasy:

1. [1.1] QASIM, Waseem. Emerging therapeutic applications of
CRISPR genome editing. In EMERGING TOPICS IN LIFE SCIENCES. ISSN
2397-8554, 2019, vol. 3, no. 3, pp. 257-260., Registrované v: WOS

2. [1.1] YUXIA ZHANG, Jian Zou - BIN, Shao. No-Signaling-in-Time
(NSIT) Condition for Energy. In ENTROPY, 2019, vol. 21, no. 11, 1067.,
Registrované v: WOS

3. [1.2] LOVERIDGE, Leon. A relational perspective on the
Wigner-Araki-Yanase theorem. In Journal of Physics: Conference Series. ISSN
17426588, 2020, vol. 1638, no. 1, 012009., Registrované v: SCOPUS

ADMB32 OLEJNÍK, Štefan. The Yang-Mills vacuum wave functional thirty-five years
later. In *Journal of Physics: Conference Series*, 2015, vol. 631, 012057. (2014:
0.264 - SJR, Q3 - SJR). (2015 - WOS, SCOPUS). ISSN 1742-6588. Dostupné na:
<https://doi.org/10.1088/1742-6596/631/1/012057>

Ohlasy:

1. [1.1] KANATCHIKOV, Igor. Schrödinger Wave Functional in
Quantum Yang-Mills Theory from Precanonical Quantization. In REPORTS ON
MATHEMATICAL PHYSICS. ISSN 0034-4877, 2018, vol. 82, no. 3, pp.
373-388., Registrované v: WOS

ADMB33 REPKO, Anton - KVASIL, Jan. Toroidal modes in nuclei by inelastic electron scattering. In *Acta Physica Polonica B- Proceedings Supplement*, 2019, vol. 12, no. 3, p. 689-698. (2018: 0.217 - SJR, Q3 - SJR). ISSN 1899-2358. Dostupné na: <https://doi.org/10.5506/APhysPolBSupp.12.689>

Ohlasy:

1. [1.1] SPETH, J. - REINHARD, P-G - TSELYAEV, V - LYUTOROVICH, N. Generalized Skyrme random-phase approximation for nuclear resonances: Different trends for electric and magnetic modes. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2020, vol. 102, no. 5, 054332., Registrované v: WOS

ADMB34 SINGH, Vipin Kumar - MIHALKOVIČ, Marek** - KRAJČÍ, Marián** - SARKAR, Shuvam - SADHUKHAN, Pampa - MANIRAJ, M. - RAI, Abhishek - PUSSI, Katariina - SCHLAGEL, Deborah L. - LOGRASSO, Thomas A. - SHUKLA, Ajay Kumar - BARMAN, Sudipta Roy**. Quasiperiodic ordering in thick Sn layer on i-Al-Pd-Mn: A possible quasicrystalline clathrate. In *Physical Review Research*, 2020, vol. 2, no. 1, art. no. 013023. ISSN 2643-1564. Dostupné na: <https://doi.org/10.1103/PhysRevResearch.2.013023>

Ohlasy:

1. [1.1] COATES, Sam - MCGRATH, Ronan - SHARMA, Hem Raj. Influence of differences in orientational planar density on the growth of Pb on the i-Ag-In-Yb quasicrystal. In *JOURNAL OF PHYSICS-CONDENSED MATTER*. ISSN 0953-8984, 2020, vol. 32, no. 42, 425006., Registrované v: WOS

ADMB35 SVOBODA, O. - BLUME, C. - CZYŻYCKI, W. - EPPLE, E. - FABBIIETTI, L. - HLAVÁČ, Stanislav. Verification of electromagnetic calorimeter concept for the HADES spectrometer. In *Journal of Physics: Conference Series*, 2015, vol. 599, 012026. (2014: 0.264 - SJR, Q3 - SJR). (2015 - WOS, SCOPUS). ISSN 1742-6588. Dostupné na: <https://doi.org/10.1088/1742-6596/599/1/012026>

Ohlasy:

1. [1.1] PRZYGODA, Witold. Production and decay of baryonic resonances in pion induced reactions. In *MESON 2016 14TH INTERNATIONAL WORKSHOP ON MESON PRODUCTION, PROPERTIES AND INTERACTION*. ISSN 2100-014X, 2016, vol. 130, UNSP 01021., Registrované v: WOS

ADMB36 SZOBOLOVSZKY, Robert - ŠIFFALOVIČ, Peter - HODAS, Martin - PELLETTA, Marco - JERGEL, Matej - SABOL, Dušan - MACHA, Marek - MAJKOVÁ, Eva. Waste heat recovery in solid-state lighting based on thin film thermoelectric generators. In *Sustainable Energy Technologies and Assessments*, 2016, vol. 18, p. 1-5. (2015: 1.044 - SJR, Q1 - SJR). ISSN 2213-1388. Dostupné na: <https://doi.org/10.1016/j.seta.2016.09.005>

Ohlasy:

1. [1.1] OMER, Gunay - YAVUZ, Abdullah Hakan - AHISKA, Rasit - CALISAL, Kagan Ekrem. Smart thermoelectric waste heat generator: Design, simulation and cost analysis. In *SUSTAINABLE ENERGY TECHNOLOGIES AND ASSESSMENTS*. ISSN 2213-1388, 2020, vol. 37, 100623., Registrované v: WOS

- ADMB37 ŠAUSĀ, Ondrej - MATĀKO, Igor - MACOVĀ, Eva - BEREK, Duřan.
 Confined water in controlled pore glass CPG-10-120 studied by positron annihilation lifetime spectroscopy and differential scanning calorimetry. In *Journal of Physics: Conference Series*, 2015, vol. 618, 012041. (2014: 0.264 - SJR, Q3 - SJR). (2015 - WOS, SCOPUS). ISSN 1742-6588. Dostupn  na: <https://doi.org/10.1088/1742-6596/618/1/012041>
 Ohlasy:
 1. [1.1] THANGSWAMY, Muthulakshmi - DUTTA, D. - MAHESHWARI, Priya - SEN, Debasis - PUJARI, P. K. Energetics of ice nucleation in mesoporous titania using positron annihilation spectroscopy. In *PHYSICAL CHEMISTRY CHEMICAL PHYSICS*. ISSN 1463-9076, 2019, vol. 21, no. 11, pp. 6033-6041., Registrovan  v: WOS
- ADMB38 řKORVĀNEK, Ivan - MARCIN, Jozef - KOVĀř, J. - řVEC, Peter - LUPU, N. - CHIRIAC, H. Tuning of soft magnetic properties in FeCo- and FeNi- based amorphous and nanocrystalline alloys by thermal processing in external magnetic field. In *Materials Science Forum*, 2014, vol. 783-786, p. 1937-1942. (2013: 0.238 - SJR, Q3 - SJR). (2014 - SCOPUS). ISSN 0255-5476. Dostupn  na: <https://doi.org/10.4028/www.scientific.net/MSF.783-786.1937>
 Ohlasy:
 1. [1.2] ZHOU, Jian - MENG, Li - YANG, Fuyao - WU, Xue - MA, Guang - CHEN, Leng. Influence of Transverse-field Annealing on the Properties and High Frequency Core Loss Analysis of 1K107 Nanocrystalline Core. In *Cailiao Daobao/Materials Review*. ISSN 1005023X, 2017-07-25, 31, 7, pp. 22-25., Registrovan  v: SCOPUS
- ADMB39 ZĀPRAřN , Zdenko - KORYTĀR, Duřan - řIFFALOV ř, Peter - JERSEL, Matej - DEMYDENKO, Maksym - MIKUL K, P. - DOBROřKA, Edmund - FERRARI, C. - VAGOVIř, Patrik - MIKLOřKA, M. Simulations and surface quality testing of high asymmetry angle x-ray crystal monochromators for advanced x-ray imaging applications. In *Proceedings of the SPIE*, 2014, vol. 9207, 92070Y. (2013: 0.223 - SJR). (2014 - SCOPUS). ISSN 0277-786X. Dostupn  na: <https://doi.org/10.1117/12.2061353>
 Ohlasy:
 1. [1.1] ZHU, J. - JI, M. - MA, S. Influence of asymmetrical angle on crystal lattice strain analysis using Voigt-function method. In *ACTA PHYSICA SINICA*. FEB 5 2018, vol. 67, no. 3., Registrovan  v: WOS

ADNA Scientific papers in domestic impacted journals registered in Web of Sciences or Scopus

- ADNA01 DUBNIřKOVĀ, A. Z. - DUBNIřKA, Stanislav - STRIřINEC, P. NAIVE MODEL OF ELECTROMAGNETIC STRUCTURE OF OCTET BARYONS. In *Czechoslovak journal of physics*, 1993, vol. 43, no. 12, p. 1177-1189. (1992: 0.309 - IF, Current Contents - CCC). (1993 - Current Contents, WOS, SCOPUS). ISSN 0011-4626. Dostupn  na: <https://doi.org/10.1007/BF01590186>
 Ohlasy:
 1. [1.1] DOBBS, S. - SETH, Kamal K. - TOMARADZE, A. - XIAO, T. - BONVICINI, G. Hyperon form factors and diquark correlations. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2017, vol. 96, no. 9, 092004., Registrovan  v: WOS

ADNA02 GMUCA, Štefan - RIBANSKÝ, I. *NEUTRON-ACTIVATION CROSS-SECTIONS ON ND ISOTOPES AT 14.8 MEV*

Ohlasy:

1. [1.1] SUNITHA, A. M. - SURYANARAYANA, S. - NAGARAJA, Kamsali - RUDRASWAMY, B. - NAIK, Haladhara - PASHA, Imran. Measurement of Mo-92(n,α)Zr-89, Mo-97(n,p)Nb-97, Nd-148(n,2n)Nd-147 and Nd-146(n,p)Pr-146 reaction cross sections at the neutron energy of 14.54 MeV with covariance analysis. In JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY. ISSN 0236-5731, 2020, vol. 326, no. 2, pp. 1383-1390., Registrované v: WOS
2. [1.1] WANG, Qiang - CHEN, Bing-Jun - ZHANG, Qian - CAI, Si-Min - LAN, Chang-Lin - FANG, Kai-Hong. Cross-section measurement of (n,2n) reactions for Nd isotopes induced by 14MeV neutrons. In NUCLEAR SCIENCE AND TECHNIQUES. ISSN 1001-8042, 2019, vol. 30, no. 1, 8., Registrované v: WOS

ADNA03 HARTMANOVÁ, Mária - HANIC, F. - KOLLER, A. - JANČI, J. Some physical properties of calcia and yttria stabilized ThO₂ ceramics. In *Czechoslovak journal of physics*, 1978, vol. 28, no. 4, p. 414-433. ISSN 0011-4626. Dostupné na: <https://doi.org/10.1007/BF01594254>

Ohlasy:

1. [1.1] CHERKASKI, Y. - CLAVIER, N. - BRISSONNEAU, L. - DACHEUX, N. Impact of liquid sodium corrosion on microstructure and electrical properties of yttrium-doped thorium prepared by co-precipitation. In CORROSION SCIENCE. ISSN 0010-938X, 2020, vol. 171, 108721., Registrované v: WOS

ADNA04 JANOTOVÁ, Irena - ŠVEC, Peter - MAŤKO, Igor - ŠVEC, Peter Jr. - JANIČKOVIČ, Dušan - ZIGO, Juraj. Structure of rapidly quenched Fe-Co-Sn-B systems with varying Fe/Co ratio. In *Journal of Electrical Engineering*, 2015, vol. 66, no. 5, p. 297-300. (2014: 0.378 - IF, Q4 - JCR, 0.224 - SJR, Q3 - SJR). (2015 - INSPEC, SCOPUS, WOS). ISSN 1335-3632. Dostupné na: <https://doi.org/10.2478/jee-2015-0049>

Ohlasy:

1. [1.1] GRYBOS, Dominik - LESZCZYNSKI, Jacek S. - KWIECIEN, Marcin - SWIEBODA, Cezary - LASAK, Patryk - PLUTA, Wojciech - RYGAL, Roman - SOINSKI, Marian. Properties of Fe-based nanocrystalline magnetic powder cores (MPC) and structure of particle size distribution (PSD). In JOURNAL OF ELECTRICAL ENGINEERING-ELEKTROTECHNICKY CASOPIS. ISSN 1335-3632, 2018, vol. 69, no. 2, pp. 163-169., Registrované v: WOS

ADNA05 KOPANI, Martin - MIKULA, Milan - KOSNAC, Daniel - GREGUS, Jan - PINČÍK, Emil. Morphology and FT IR spectra of porous silicon. In *Journal of Electrical Engineering*, 2017, vol. 68, no. 7, p. 53-57. (2016: 0.483 - IF, Q4 - JCR, 0.311 - SJR, Q2 - SJR). (2017 - WOS, SCOPUS). ISSN 1335-3632. Dostupné na: <https://doi.org/10.1515/jee-2017-0056>

Ohlasy:

1. [1.1] DO, Nghi H. - PHAM, Hieu H. - LE, Tan M. - LAUWAERT, Jeroen - DIELS, Ludo - VERBERCKMOES, An - DO, Nga H. N. - TRAN, Viet T. - LE, Phung K. The novel method to reduce the silica content in lignin recovered from black liquor originating from rice straw. In *SCIENTIFIC REPORTS*. ISSN 2045-2322, 2020, vol. 10, no. 1, 21263., Registrované v: WOS
2. [1.1] PANDARAM, P. - SARANYA, A. - JOTHI, S. - LAWRENCE, B. - PRITHIVIKUMARAN, N. - JEYAKUMARAN, N. Non-linear structural and surface morphological modifications due to gamma irradiation in p-type porous silicon. In *MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING*. ISSN 1369-8001, 2019, vol. 104, UNSP 104678., Registrované v: WOS

ADNA06 KUNDRÁT, V. - LOKAJÍČEK, M. - KRUPA, Dalibor. Physical meaning of the phase of high-energy elastic-scattering amplitude. In *Czechoslovak journal of physics*, 1989, vol. 39, no. 11, p. 1245-1255. ISSN 0011-4626. Dostupné na: <https://doi.org/10.1007/BF01605324>

Ohlasy:

1. [1.1] PETROV, Vladimir A. Once more on Coulomb-nuclear interference. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2018, vol. 78, no. 3, 221., Registrované v: WOS

ADNA07 NAGY, Miroslav - SCADRON, M.D. - HITE, G.E. Pion nucleon coupling constant, Goldberger-Treiman discrepancy and πN sigma term. In *Acta Physica Slovaca*, 2004, vol. 54, no. 5, p. 427-432.

Ohlasy:

1. [1.1] DAHIYA, Harleen. Quark flavor distribution functions for the octet baryons in the chiral quark constituent model. In *PHYSICAL REVIEW D*. ISSN 1550-7998, 2015, vol. 91, no. 9, pp. Dostupné na: <https://doi.org/10.1103/PhysRevD.91.094010>., Registrované v: WOS

ADNA08 STUPAKOV, O. - ŠVEC, Peter. Three-parameter feedback control of amorphous ribbon magnetization. In *Journal of Electrical Engineering*, 2013, vol. 64, no. 3, p. 166-172. (2012: 0.546 - IF, Q4 - JCR, 0.160 - SJR). (2013 - WOS, SCOPUS, INSPEC). ISSN 1335-3632. Dostupné na: <https://doi.org/10.2478/jee-2013-0024>

Ohlasy:

1. [1.1] STUPAKOV, Alexandr - PEREVERTOV, Oleksiy - ZABLOTSKII, Vitalii. A System for Controllable Magnetic Measurements of Hysteresis and Barkhausen Noise. In *IEEE TRANSACTIONS ON INSTRUMENTATION AND MEASUREMENT*. ISSN 0018-9456, 2016, vol. 65, no. 5, pp. 1087-1097., Registrované v: WOS
2. [1.1] VO, Anh-Tuan - FASSENET, Marylin - KEDOUS-LEBOUC, Afef - BLACHE, Francois - BOUDINET, Cedric - VAILLANT, Marie-Pierre. Novel Adaptive Controller for Effective Magnetic Measurement Under Arbitrary Magnetization. In *IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS*. ISSN 0278-0046, 2020, vol. 67, no. 11, pp. 9841-9850., Registrované v: WOS

ADNA09 ŠVEC, Peter - SZEWCZYK, R. - SALACH, J. - JACKIEWICZ, D. - ŠVEC, Peter Jr. - BIENKOWSKI, A. - HOŠKO, Jozef. Magnetoelastic properties of

selected amorphous systems tailored by thermomagnetic treatment. In *Journal of Electrical Engineering*, 2014, vol. 65, no. 4, p. 259-261. (2013: 0.420 - IF, Q4 - JCR, 0.187 - SJR, Q3 - SJR). (2014 - INSPEC, WOS, SCOPUS). ISSN 1335-3632. Dostupné na: <https://doi.org/10.2478/jee-2014-0040>

Ohlasy:

1. [1.1] BURDIN, D. A. - EKONOMOV, N. A. - CHASHIN, D. - FETISOV, Y. K. - GORDEEV, S. N. Magnetoelectric doubling and mixing of electric and magnetic field frequencies in a layered multiferroic heterostructure. In *JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS*. ISSN 0304-8853, 2019, vol. 485, pp. 36-42., Registrované v: WOS
2. [1.1] FETISOV, L. Y. - CHASHIN, D. V. - BURDIN, D. A. - SAVELIEV, D. V. - EKONOMOV, N. A. - SRINIVASAN, G. - FETISOV, Y. K. Nonlinear converse magnetoelectric effects in a ferromagnetic-piezoelectric bilayer. In *APPLIED PHYSICS LETTERS*. ISSN 0003-6951, 2018, vol. 113, no. 21, 212903., Registrované v: WOS
3. [1.1] NOWICKI, Michal. Stress Dependence of the Small Angle Magnetization Rotation Signal in Commercial Amorphous Ribbons. In *MATERIALS*, 2019, vol. 12, no. 18, 2908., Registrované v: WOS
4. [1.1] NOWICKI, Michal. Stress Dependence of Seebeck Coefficient in Iron-Based Amorphous Ribbons. In *MATERIALS*, 2019, vol. 12, no. 17, 2814., Registrované v: WOS
5. [1.1] SZEWCZYK, Roman. Magnetic Permeability Tensor with Saturation Flux Density Description for 2D Materials with Uniaxial Anisotropy. In *AUTOMATION 2020: TOWARDS INDUSTRY OF THE FUTURE*. ISSN 2194-5357, 2020, vol. 1140, pp. 300-308., Registrované v: WOS

ADNB Scientific papers in domestic non-impacted journals registered in Web of Sciences or Scopus

ADNB01 BOHÁČ, Vlastimil**. Thermal properties of materials and their characterization by classic and transient methods. In *MEASUREMENT 2017 : Proceedings of the 11th International Conference on Measurement*, 2017, p. 53-62. ISBN 978-80-972629-0-7. Dostupné na: <https://doi.org/10.23919/MEASUREMENT.2017.7983535>

Ohlasy:

1. [1.1] STAROSTIN, Alexandr - SKRIPOV, Pavel. Methodology for Measurements of the Properties of Not Fully Stable Fluids. In 2019 PROCEEDINGS OF THE 12TH INTERNATIONAL CONFERENCE ON MEASUREMENT (MEASUREMENT 2019), 2019, pp. 75-78., Registrované v: WOS

AEC Scientific papers in foreign peer-reviewed proceedings, monographs

AEC01 BENÁK, Michal - TURŇA, Milan - OŽVOLD, Milan - NESVADBA, Petr - LOKAJ, Ján - ČAPLOVIČ, Ľubomír - KOVÁČ, František - STOYKA, Volodymyr. Study of Al-austenitic steel boundary formed by explosion welding. In *Metal 2010 : 19. mezinárodní konference metalurgie a materiálů. Rožnov pod Radhoštěm, 18.-20.5.2010.* - Ostrava : Tanger, s.r.o., 2010, s. 235-240. ISBN 978-80-87294-15-4.

Ohlasy:

1. [1.1] JANDAGHI, Mohammad Reza - SABOORI, Abdollah - KHALAJ, Gholamreza - SHIRAN, Mohammadreza Khanzadeh Ghareh.

- Microstructural Evolutions and its Impact on the Corrosion Behaviour of Explosively Welded Al/Cu Bimetal. In METALS, 2020, vol. 10, no. 5, pp., Registrované v: WOS
2. [1.1] NAJAFI, S. - KHANZADEH, M. R. - BAKHTIARI, H. - SEYEDRAOUFI, Z. S. - SHAJARI, Y. Electrochemical Investigation of Dissimilar Joint of Pure Cu to AISI 410 Martensitic Stainless Steel Fabricated by Explosive Welding. In SURFACE ENGINEERING AND APPLIED ELECTROCHEMISTRY. ISSN 1068-3755, 2020, vol. 56, no. 6, pp. 675-683. Dostupné na: <https://doi.org/10.3103/S1068375520060113>., Registrované v: WOS
3. [1.1] POURALIAKBAR, Hesam - KHALAJ, Gholamreza - JANDAGHI, Mohammad Reza - FADAEI, Ali - GHAREH-SHIRAN, Mohammadreza Khanzadeh - SHIM, Sang Hun - HONG, Sun Ig. Three-layered SS321/AA1050/AA5083 explosive welds: Effect of PWHT on the interface evolution and its mechanical strength. In INTERNATIONAL JOURNAL OF PRESSURE VESSELS AND PIPING. ISSN 0308-0161, 2020, vol. 188, no., pp. Dostupné na: <https://doi.org/10.1016/j.ijpvp.2020.104216>., Registrované v: WOS
4. [1.1] SHIRAN, Mohammad Reza Khanzadeh Ghareh - BAKHTIARI, Haimd - MOUSAVI, Seyed Ali-Asghar Akbari - KHALAJ, Gholamreza - MIRHASHEMI, Seyed Majid. Effect of Stand-Off Distance on the Mechanical and Metallurgical Properties of Explosively Bonded 321 Austenitic Stainless Steel-1230 Aluminum Alloy Tubes. In MATERIALS RESEARCH-IBERO-AMERICAN JOURNAL OF MATERIALS. ISSN 1516-1439, 2017, vol. 20, no. 2, pp. 291-302., Registrované v: WOS
5. [1.2] GHAREH SHIRAN, Mohammad Reza Khanzadeh - RAZAZI, Mohammad - BAKHTIARI, Hamid - TAVIRA, Ali. Evaluation of welding parameter's effects on corrosion behavior of bronze-carbon steel dual-layer explosion welded joint at salt environment. In Materials Research. ISSN 15161439, 2018-01-01, 21, 2, pp., Registrované v: SCOPUS

AECA Scientific papers in foreign peer-reviewed proceedings and shorter chapters in foreign scientific monographs or academic/university textbooks

- AECA01 BIEDRZYCKI, R. - SZEWCZYK, R. - ŠVEC, Peter - WINIARSKI, W. Determination of Jiles-Atherton model parameters using differential evolution. In *Mechatronics- Ideas for Industrial Application : Advances in Intelligent Systems and Computing*. Vol. 317. - Springer International Publishing, 2015, p. 11-18. ISBN 978-3-319-10990-9. Dostupné na: https://doi.org/10.1007/978-3-319-10990-9_2
- Ohlasy:
1. [1.1] JASTRZEBSKI, R. - CHWASTEK, K. - BIONDIC, I. - MILICEVIC, K. A Comparison of Different Estimation Methods for Hysteresis Modelling. In ACTA PHYSICA POLONICA A. ISSN 0587-4246, 2017, vol. 131, no. 5, pp. 1228-1231., Registrované v: WOS
2. [1.1] ZAHEDI, Ahmad - ZHANG, Bin - YI, Andong - ZHANG, Dingguo. A Soft Exoskeleton for Tremor Suppression Equipped with Flexible Semiactive Actuator. In SOFT ROBOTICS. ISSN 2169-5172, 2020, 32822240., Registrované v: WOS
3. [1.1] ZHAO, Ran - WANG, Bowen. Modified J-A model and parameter identification based on data mining. In JOURNAL OF INTELLIGENT & FUZZY SYSTEMS. ISSN 1064-1246, 2018, vol. 35, no. 1, pp. 461-468., Registrované v: WOS

AECA02 NOWICKI, M. - ŠVEC, Peter - JACKIEWICZ, D. - SZEWCZYK, R.
Magnetic thermogravimetric analysis of CuCo and CuFe amorphous alloys. In
Progress in Automation, Robotics and Measuring Techniques. Vol. 352. Measuring
Techniques and Systems. - Cham : Springer International Publishing, 2015, p.
197-204. ISBN 978-3-319-15834-1. Dostupné na:
https://doi.org/10.1007/978-3-319-15835-8_22

Ohlasy:

1. [1.1] HASIER, John - RIOLO, Maria Annichia - NASH, Philip. Curie
temperature determination via thermogravimetric and continuous wavelet
transformation analysis. In *EPJ TECHNIQUES AND INSTRUMENTATION*.
ISSN 2195-7045, 2017, vol. 4, no. 5., Registrované v: WOS

AFC Published papers from foreign scientific conferences

AFC01 AHARONOV, D. - HARROW, A.W. - LANDAU, Z. - NAGAJ, Daniel -
SZEGEDY, M. - VAZIRANI, U. Local tests of global entanglement and a
counterexample to the generalized area law. In *Proceedings of 55th Annual IEEE
Symposium on Foundations of Computer Science (FOCS)*. - New York : IEEE,
2014, p. 246-255. ISBN 978-1-4799-6517-5. ISSN 0272-5428. Dostupné na:
<https://doi.org/10.1109/FOCS.2014.34>

Ohlasy:

1. [1.1] ANSHU, Anurag - ARAD, Itai - GOSSET, David.
Entanglement Subvolume Law for 2D Frustration-Free Spin Systems. In
PROCEEDINGS OF THE 52ND ANNUAL ACM SIGACT SYMPOSIUM ON
THEORY OF COMPUTING (STOC '20). ISSN 0737-8017, 2020, pp. 868-874.,
Registrované v: WOS
2. [1.1] ANSHU, Anurag. An upper bound on quantum capacity of
unital quantum channels. In 2017 IEEE INFORMATION THEORY
WORKSHOP (ITW). ISSN 2475-420X, 2017, vol., no., pp. 214-218.,
Registrované v: WOS
3. [1.1] COUDRON, Matthew - HARROW, Aram W. Universality of
EPR Pairs in Entanglement-Assisted Communication Complexity, and the
Communication Cost of State Conversion. In 34TH COMPUTATIONAL
COMPLEXITY CONFERENCE (CCC 2019). ISSN 1868-8969, 2019, vol. 137,
UNSP 20., Registrované v: WOS
4. [1.1] KUWAHARA, Tomotaka. Asymptotic behavior of macroscopic
observables in generic spin systems. In JOURNAL OF STATISTICAL
MECHANICS-THEORY AND EXPERIMENT. ISSN 1742-5468, 2016,
053103., Registrované v: WOS
5. [1.1] LIU, Ji - BYRD, Gregory T. - ZHOU, Huiyang. Quantum
Circuits for Dynamic Runtime Assertions in Quantum Computation. In
TWENTY-FIFTH INTERNATIONAL CONFERENCE ON ARCHITECTURAL
SUPPORT FOR PROGRAMMING LANGUAGES AND OPERATING
SYSTEMS (ASPLOS XXV), 2020, pp. 1017-1030., Registrované v: WOS

AFC02 DANZER, J. - GATTRINGER, Ch. - LIPTÁK, Ľudovít. Properties of
canonical fermion determinants with a fixed quark number. In *Proceedings of
Science (LAT2009)*. - Beijing : Peking University, 2009., 185.

Ohlasy:

1. [1.1] NAGATA, K.- KASHIWA, K.- NAKAMURA, A.-

NISHIGAKI, S.M. In PHYSICAL REVIEW D, 2015, vol. 91, 094507.,
Registrované v: WOS

AFC03 FILIP, Peter. Heavy flavor mesons in strong magnetic fields. In *8th International Workshop on Critical Point and Onset of Deconfinement (CPOD 2013), March 11-15, 2013, California, USA : Proceedings of Science (CPOD 2013) 035*. - Trieste : SISSA/ISAS, 2013, p. 1-10.

Ohlasy:

1. [1.1] BONATI, C. et al. Anisotropy of the QQ potential in a magnetic field . In NUOVO CIMENTO C, 2015, vol. 38, no. 1, 11., Registrované v: WOS
2. [1.1] BONATI, C.- D'ELIA, M.- RUCCI, A. Heavy quarkonia in strong magnetic fields. In PHYSICAL REVIEW D, 2015, vol. 92, 054014., Registrované v: WOS
3. [1.1] NEGRO, F. et al. Anisotropy of the quark anti-quark potential in a magnetic field . In PROCEEDINGS OF SCIENCE, PoS LATTICE2014, 2015, 351., Registrované v: WOS
4. [1.1] SUZUKI, Kei- YOSHIDA, Tetsuya. Cigar-shaped quarkonia under strong magnetic field. In Physical Review D, 2016, vol. 93, 051502(R)., Registrované v: WOS
5. [1.1] YOSHIDA, Tetsuya- SUZUKI, Kei. Heavy meson spectroscopy. In PHYSICAL REVIEW D, 2016, vol. 94, 074043., Registrované v: WOS
6. [3.1] DUTTA, N. - MAZUMDER, S. Majorana flipping of quarkonium spin states in transient magnetic field . In EUROPEAN PHYSICAL JOURNAL C, ISSN 1434-6044, 2018, vol. 78, no. 6, 525.

AFC04 FRÖHLICH, Karol - MIČUŠÍK, Matej - DOBROČKA, Edmund - ŠIFFALOVIČ, Peter - GUCMANN, Filip - FEDOR, Ján. Properties of Al₂O₃ thin films grown by atomic layer deposition. In *ASDAM 2012 : conference proceedings*. Eds. Š. Haščík, J. Osvald. - Piscataway : IEEE, 2012, p. 171-174. ISBN 978-1-4673-1195-3. Dostupné na: <https://doi.org/10.1109/ASDAM.2012.6418575>

Ohlasy:

1. [1.1] KIM, Y. - KWON, H. - HAN, H.S. - KIM, H.J.K. - KIM, B.S.Y. - LEE, B.C. - LEE, J. - ASHEGHI, M. - PRINZ, F.B. - GOODSON, K.E. - LIM, J. - SIM, U. - PARK, W. Tunable Dielectric and Thermal Properties of Oxide Dielectrics via Substrate Biasing in Plasma-Enhanced Atomic Layer Deposition. In ACS APPLIED MATERIALS & INTERFACES. ISSN 1944-8244, OCT 7 2020, vol. 12, no. 40, p. 44912-44918., Registrované v: WOS
2. [1.1] NAUMANN, Franziska - RECK, Johanna - GARGOURI, Hassan - GRUSKA, Bernd - BLUEMICH, Adrian - MAHMOODINEZHAD, Ali - JANOWITZ, Christoph - HENKEL, Karsten - FLEGE, Jan Ingo. In situ real-time and ex situ spectroscopic analysis of Al₂O₃ films prepared by plasma enhanced atomic layer deposition. In JOURNAL OF VACUUM SCIENCE & TECHNOLOGY B. ISSN 2166-2746, 2020, vol. 38, no. 1, 014014., Registrované v: WOS

AFC05 GOSSET, D. - NAGAJ, Daniel. Quantum 3-SAT is QMA(1)-complete. In *2013 IEEE 54TH ANNUAL SYMPOSIUM ON FOUNDATIONS OF COMPUTER SCIENCE (FOCS)*. - Washington : CPS Conference Publishing Services, Oct. 26,

2013. ISBN 978-0-7695-5135-7. ISSN 0272-5428. Dostupné na:
<https://doi.org/10.1109/FOCS.2013.86>

Ohlasy:

1. [1.1] ANSHU, Anurag. Improved local spectral gap thresholds for lattices of finite size. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2020, vol. 101, no. 16, 165104., Registrované v: WOS
2. [1.1] MORAMPUDI, S. C. - HSU, B. - SONDHI, S. L. - MOESSNER, R. - LAUMANN, C. R. Clustering in Hilbert space of a quantum optimization problem. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2017, vol. 96, no. 4, 042303., Registrované v: WOS
3. [1.1] WENDIN, G. Quantum information processing with superconducting circuits: a review. In *REPORTS ON PROGRESS IN PHYSICS*. ISSN 0034-4885, 2017, vol. 80, no. 10, 106001., Registrované v: WOS

AFC06 GREENSITE, J. - OLEJNÍK, Štefan. Testing the Yang-Mills vacuum wave functional ansatz in 3+1 dimensions. In *Xth Quark Confinement and the Hadron Spectrum, October 8-12, 2012, TUM Campus Garching, Munich, Germany : Proceedings of Science (Confinement X) 054*. - Trieste : SISSA/ISAS, 2013, p. 1-8.

Ohlasy:

1. [1.1] TRZETRZELEWSKI, M. Dirac equation for strings. In *EUROPHYSICS LETTERS*, 2016, vol. 116, 40001., Registrované v: WOS

AFC07 HODAS, Martin - ŠIFFALOVIČ, Peter - HALAHOVETS, Yuriy - PELLETTA, Marco - VÉGSO, Karol - JERGEL, Matej - MAJKOVÁ, Eva. In-situ GISAXS monitoring of ultrashort period W/B4C multilayer X-ray mirror growth. In *Proceedings of the SPIE*, 2015, vol. 9588, 958804. (2014: 0.237 - SJR). (2015 - SCOPUS, WOS). ISSN 0277-786X. Dostupné na:
<https://doi.org/10.1117/12.2187999>

Ohlasy:

1. [1.1] JIANG, Hui - HUA, Wenqiang - TIAN, Naxi - LI, Aiguo - LI, Xiuhong - HE, Yumei - ZHANG, Zengyan. In situ GISAXS study on the temperature-dependent performance of multilayer monochromators from the liquid nitrogen cooling temperature to 600 degrees C. In *APPLIED SURFACE SCIENCE*. ISSN 0169-4332, 2020, vol. 508, 144838., Registrované v: WOS
2. [1.1] PRADHAN, P. C. - MAJHI, A. - NAYAK, M. - NAND, Mangla - RAJPUT, P. - SHUKLA, D. K. - BISWAS, A. - RAI, S. K. - JHA, S. N. - BHATTACHARYYA, D. - PHASE, D. M. - SAHOO, N. K. Interface structure in nanoscale multilayers near continuous-to-discontinuous regime. In *JOURNAL OF APPLIED PHYSICS*. ISSN 0021-8979, 2016, vol. 120, no. 4, 045308., Registrované v: WOS
3. [1.1] SALAMON, K. - DUBCEK, P. - DRAZIC, G. - BERNSTORFF, S. - RADIC, N. Lateral inhomogeneities in W/C multilayer mirrors. In *THIN SOLID FILMS*. ISSN 0040-6090, 2019, vol. 691, 137611., Registrované v: WOS

AFC08 HOLLWIESER, R. - FABER, M. - GREENSITE, J. - HELLER, U. - OLEJNÍK, Štefan. Correlation between center vortices and low-lying Dirac eigenmodes. In *Proceedings of the 8th Conference Quark Confinement and the Hadron Spectrum, September 1-6, 2008, Mainz, Germany. Proc. of Science 036 (Confinement8)*. - Mainz, 2008.

Ohlasy:

1. [1.1] NEJAD, Seyed Mohsen Hosseini. Fractional topological charges and the lowest Dirac modes. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 9, 094513., Registrované v: WOS
2. [1.1] NEJAD, Seyed Mohsen Hosseini. Combining the color structures and intersection points of thick center vortices and low-lying Dirac modes. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 97, no. 5, 054516., Registrované v: WOS
3. [1.1] SPENGLER, Felix - QUANDT, Markus - REINHARDT, Hugo. Branching of center vortices in SU(3) lattice gauge theory. In PHYSICAL REVIEW D. ISSN 2470-0010, 2018, vol. 98, no. 9, 094508., Registrované v: WOS

AFC09 CHANG, I.T.H. - ŠVEC, Peter - GOGEBAKAN, M. - CANTOR, B. Rapidly solidified Al₈₅Ni_{15-x}Y_x(x=5,8,10) alloys. In *Materials Science Forum. Vol. 225: Metastable, mechanically alloyed and nanocrystalline materials. Proceedings of the Int. Symposium, ISMANAM-95*. Editor R.Schulz. - Trans Tech Publ., 1996, p. 335-340. ISBN 978-0-87849-738-6.

Ohlasy:

1. [1.1] KERLI, S. - ALVER, U. - GOGEBAKAN, M. Investigation of The Effect of Annealing on Resistivity in Aluminum-based Amorphous Alloys. In PHYSICS AND CHEMISTRY OF SOLID STATE. ISSN 1729-4428, 2019, vol. 20, no. 4, pp. 391-395., Registrované v: WOS
2. [1.1] KERLI, S. - ALVER, U. - GOGEBAKAN, M. Investigation of the Electrical Properties of Al₈₅Y₉Ni₆ Metallic Glass and Formulation of the Results. In GLASS PHYSICS AND CHEMISTRY. ISSN 1087-6596, 2020, vol. 46, no. 2, pp. 189-193., Registrované v: WOS

AFC10 ISKROVÁ, Martina, Miklošovičová - MAJERNÍK, Viktor - ILLEKOVÁ, Emília - ŠAUŠA, Ondrej - BEREK, Dušan - KRIŠTIAK, Jozef. Free volume seen by positronium in bulk and confined molecular liquid. In *Materials Science Forum.* - Zürich : Trans. Tech. Publications, 2009, vol. 607, p. 235-237. (2008: 0.298 - SJR, Q2 - SJR). ISSN 0255-5476. Dostupné na: <https://doi.org/10.4028/0-87849-348-4.235>

Ohlasy:

1. [1.1] LUKESOVA, M. - SVAJDLENKOVA, H. - REUTER, D. - VALIC, S. - LOIDL, A. - BARTOS, J. Spin probe interaction and mobility in confined cyclohexane: Effects of pore size and pore surface composition of silica gel matrices. In CHEMICAL PHYSICS LETTERS. ISSN 0009-2614, 2019, vol. 735, UNSP 136756., Registrované v: WOS
2. [1.1] ZALESKI, Radoslaw. Principles of positron porosimetry. In NUKLEONIKA. ISSN 0029-5922, 2015, vol. 60, no. 4, pp. 795., Registrované v: WOS

AFC11 JERTEL, Matej - FALCONY, C. - MIKULÍK, P. - ORTEGA, L. - MAJKOVÁ, Eva - PINČÍK, Emil - LUBY, Štefan - KOSTIČ, Ivan - HUDEK, Peter. X-ray reflectivity study of a W/Si multilayer gratings. In *Superficies y Vacio, Proc.XXI Congreso Nacional Soc.Mexicana de Ciencia de Superficies y Vacio, Mazatlan 2001*, p. 10-14.

Ohlasy:

1. [1.2] PERSHIN, Yu P. - DEVIZENKO, A. Yu - KONDRATENKO, V. V. - MODROW, H. - HORMES, F. J. Structural and X-ray-optical characteristics of the W/Si multilayer X-ray mirrors. In *Metallofizika i Noveishie Tekhnologii*. ISSN 10241809, 2016-01-01, 38, 3, pp. 367-388., Registrované v: SCOPUS

AFC12 KONÔPKA, M. - TURANSKÝ, R. - DOLTSINIS, N.L. - MARX, D. - ŠTICH, Ivan. Organometallic nanojunctions probed by different chemistries: thermo-, photo-, and mechano-chemistry. In *Advances in Solid State Physics: Vol. 48 : Workshop on Solid State Physics, February 24-29, 2008, Berlin, Germany*. - Berlin : Springer Verlag, 2009, p. 219-. ISBN 978-3-540-85859-1.

Ohlasy:

1. [1.1] STANCH, Tim - DREUW, Andreas. Advances in Quantum Mechanochemistry: Electronic Structure Methods and Force Analysis. In *CHEMICAL REVIEWS*. ISSN 0009-2665, 2016, vol. 116, no. 22, pp. 14137-14180., Registrované v: WOS

AFC13 LUBY, Štefan - MAJKOVÁ, Eva - LUCHES, A. Diffusion in multilayers. In *Physics and Technology of Thin Films : Proceedings of the International Workshop (IWTF 2003), February 22-March 6, 2003, Teheran, Iran*. - World Scientific Pub, 2004, p. 180-186. ISBN 13:9789812387707, 10:9812387706.

Ohlasy:

1. [1.1] COSME, I - VAZQUEZ-Y-PARRAGUIRRE, S. - MALIK, O. - CARLOS, N. - MANSUROVA, S. - BALDOVINO-PANTALEON, O. Stage-by-stage formation of superficial nanostructures in ITO films reduced by H-2-GD at low temperature (100 degrees C) for applications on plastic substrates. In *NANOTECHNOLOGY*. ISSN 0957-4484, 2020, vol. 31, no. 37, 375602., Registrované v: WOS

AFC14 MARKOŠ, Peter. Conductance Statistics near the Anderson Transition. In *Anderson Localization and Its Ramifications. Proc. of B. Kramer 60th Birthday Conf., Hamburg, Sept. 4-6, 2002*. - Berlin Heidelberg : Springer Verlag, 2003. P. 53-64. ISBN 3-540-40785-5.

Ohlasy:

1. [1.1] CLARK, Amy. Exploring Women's Experiences: Embodied Pathways and Influences for Exercise Participation. In *SOCIETIES*. ISSN 2075-4698, 2019, vol. 9, no. 1, 16., Registrované v: WOS

2. [1.1] GROVEN, Karen Synne - RAHEIM, Malfrid - ENGELSRUD, Gunn. Changing Bodies, Changing Habits: Women's Experiences of Interval Training Following Gastric Bypass Surgery. In *HEALTH CARE FOR WOMEN INTERNATIONAL*. ISSN 0739-9332, 2015, vol. 36, no. 3, pp. 276., Registrované v: WOS

3. [1.1] NORDENMARK, Mikael. The Importance of Job and Family Satisfaction for Happiness among Women and Men in Different Gender Regimes. In *SOCIETIES*. ISSN 2075-4698, 2018, vol. 8, no. 1, 1., Registrované v: WOS

4. [1.1] WALSETH, Kristin - AARTUN, Iselin - ENGELSRUD, Gunn. Girls' bodily activities in physical education How current fitness and sport discourses influence girls' identity construction. In *SPORT EDUCATION AND*

SOCIETY. ISSN 1357-3322, 2017, vol. 22, no. 4, pp. 442-459., Registrované v: WOS

- AFC15 OU-YANG, W. - WEIS, Martin Jr. - MANAKA, T. - IWAMOTO, M. Effects of an interface monolayer with downward dipole orientation on pentacene organic field-effect transistors. In *9th International Conference on Nano-Molecular Electronics, December 14-16, 2010, Kobe, Japan.* - Physics Procedia, Vol. 14 : Elsevier B.V., 2011, p. 1-244, p. 198-203. ISSN 1875-3892. Dostupné na: <https://doi.org/10.1016/j.phpro.2011.05.040>

Ohlasy:

1. [1.1] DABCZYNSKI, Pawel - PAWLOWSKA, Agnieszka - MAJCHER-FITAS, Anna M. - STEFANCZYK, Olaf - DLUBACZ, Anna - TOMCZYK, Wojciech - MARZEC, Mateusz M. - BERNASIK, Andrzej - BUDKOWSKI, Andrzej - RYSZ, Jakub. Extraordinary conduction increase in model conjugated/insulating polymer system induced by surface located electric dipoles. In *APPLIED MATERIALS TODAY*. ISSN 2352-9407, 2020, vol. 21, 100880., Registrované v: WOS

- AFC16 PLEVACHUK, Yuriy - YAKYMOVYCH, Andriy - TKACH, Olha - ŠVEC, Peter - ŠVEC, Peter Jr. - OROVČÍK, Ľubomír. Nanocomposite solders: an influence of un-coated and Au-coated carbon nanotubes on morphology of Cu/Sn-3.0Ag-0.5Cu/Cu solder joints. In *2019 IEEE 2nd Ukraine Conference on Electrical and Computer Engineering (UKRCON-2019) : Conference Proceedings.* - Massachusetts, USA : IEEE, 2019, p. 722-725. ISBN 978-1-7281-3882-4. Dostupné na: <https://doi.org/10.1109/UKRCON.2019.8879891>

Ohlasy:

1. [1.1] AFDZALUDDIN, Atiqah Mohd - ABU BAKAR, Maria. Effect of Coating Element on Joining Stability of Sn-0.3Ag-0.7Cu Solder Joint due to Aging Test. In *SAINS MALAYSIANA*. ISSN 0126-6039, 2020, vol. 49, no. 12, pp. 3029-3036., Registrované v: WOS

- AFC17 QUATTROCCHI, L. - ACOSTA, L. - AMORINI, F. - ANZALONE, A. - AUDITORE, L. - BERCEANU, I. - CARDELLA, G. - CHBIHI, A. - DE FILIPPO, E. - AQUILA, D.D. - FRANCALANZA, L. - GNOFFO, B. - GRZESZCZUK, A. - LANZALONE, G. - LOMBARDO, I. - MARTEL, I. - MINNITI, T. - NORELLA, S. - PAGANO, A. - PAGANO, E.V. - PAPA, M. - PIRRONE, S. - POLITI, G. - PORTO, F. - RIZZO, F. - ROSATO, E. - RUSSOTTO, P. - TRIFIRO, A. - TRIMARCHI, M. - VERDE, G. - VESELSKÝ, Martin - VIGILANTE, M. Study of two- and multi-particle correlations in C-12+Mg-24 and C-12+Pb-208 reactions at E=35 AMeV. In *EPJ Web of Conferences.* - Les Ulis Cedex, France : EDP Sciences, 2015, vol. 117, 07020. (2014: 0.165 - SJR). ISSN 2100-014X.

Ohlasy:

1. [1.1] CAMAIANI, A. - CASINI, G. - MORELLI, L. - BARLINI, S. - PIANTELLI, S. - BAIOTTO, G. - BINI, M. - BRUNO, M. - BUCCOLA, A. - CINAUSERO, M. - CICERCHIA, M. - D'AGOSTINO, M. - DEGELIER, M. - FABRIS, D. - FROSIN, C. - GRAMEGNA, F. - GULMINELLI, F. - MANTOVANI, G. - MARCHI, T. - OLMI, A. - OTTANELLI, P. - PASQUALI, G. - PASTORE, G. - VALDRE, S. - VERDE, G. Experimental study of precisely selected evaporation chains in the decay of excited Mg-25. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2018, vol. 97, no. 4, 044607., Registrované v:

WOS

2. [1.1] SCHMIDT, K. - CAO, X. - KIM, E. J. - HAGEL, K. - BARBUI, M. - GAUTHIER, J. - WUENSCHER, S. - GIULIANI, G. - RODRIGUES, M. R. D. - ZHENG, H. - HUANG, M. - BLANDO, N. - BONASERA, A. - WADA, R. - BOTOSO, C. - LIU, G. - VIESTI, G. - MORETTO, S. - PRETE, G. - PESENTE, S. - FABRIS, D. - EL MASRI, Y. - KEUTGEN, T. - KOWALSKI, S. - KUMAR, A. - ZHANG, G. - NATOWITZ, J. B. alpha-conjugate neck structures in the collisions of 35 MeV/nucleon Ca-40 with Ca-40. In PHYSICAL REVIEW C. ISSN 2469-9985, 2017, vol. 95, no. 5, 054618., Registrované v: WOS

AFC18 VALIK, L. - ĽAPAJNA, Milan - GUCMANN, Filip - FEDOR, Ján - ŠIFFALOVIC, Peter - FRÖHLICH, Karol. Distribution of fixed charge in MOS structures with ALD grown Al₂O₃ studied by capacitance measurements. In ASDAM 2012 : conference proceedings. Eds. Š. Haščík, J. Osvald. - Piscataway : IEEE, 2012, p. 227-230. ISBN 978-1-4673-1195-3.

Ohlasy:

1. [1.1] SAMANTA, Piyas. A comprehensive technique for estimation of process-induced fixed charges and effective work function of the metal gate on high-kappa/SiO₂ stack. In SEMICONDUCTOR SCIENCE AND TECHNOLOGY. ISSN 0268-1242, 2019, vol. 34, no. 11, 115008., Registrované v: WOS

AFC19 ZIMAN, Mário - BUŽEK, Vladimír. Open system dynamics of simple collision models. In *Quantum Dynamics and Information . Proceedings of 46th Karpacz Winter School of Theoretical Physics, February 8-13, 2010, Ładek Zdrój, Poland*. Chapter 1. Quantum memories and Landauer's principle. - Singapore : World Scientific Publishing, 2011. ISBN 978-981-4317-43-6. Dostupné na: https://doi.org/10.1142/9789814317443_0011

Ohlasy:

1. [1.1] ÇAKMAK, Baris - CAMPBELL, Steve - VACCHINI, Bassano - MUSTEÇAPLIOĞLU, Özgür E. - PATERNOSTRO, Mauro. Robust multipartite entanglement generation via a collision model. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 99, no. 1, 012319., Registrované v: WOS

2. [1.1] GUARNIERI, Giacomo - MORRONE, Daniele - ÇAKMAK, Baris - PLASTINA, Francesco - CAMPBELL, Steve. Non-equilibrium steady-states of memoryless quantum collision models. In PHYSICS LETTERS A. ISSN 0375-9601, 2020, vol. 384, no. 24, pp. Dostupné na: <https://doi.org/10.1016/j.physleta.2020.126576>., Registrované v: WOS

3. [1.1] KARPAT, G. - YALCINKAYA, I - ÇAKMAK, B. Quantum synchronization in a collision model. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 1, 012133., Registrované v: WOS

4. [1.1] MOHAMMADY, M. Hamed - ROMITO, Alessandro. Efficiency of a cyclic quantum heat engine with finite-size baths. In PHYSICAL REVIEW E. ISSN 2470-0045, 2019, vol. 100, no. 1, 012122., Registrované v: WOS

5. [1.1] MOHAMMADY, M. H. - AUFFEVE, A. - ANDERS, J. Energetic footprints of irreversibility in the quantum regime. In

AFD Published papers from domestic scientific conferences

- AFD01 ILLEKOVÁ, Emília. A generalized-model of structural relaxation in metallic and chalcogenide glasses. In *Amorphous Metallic Materials: AMM III : 3rd International Conf on Amorphous Metallic Materials (AMM 3), Sept. 7-11, 1992, Topolčianky*. - 1993, p. 541-548.
Ohlasy:
1. [1.1] KOZMIDIS-PETROVIC, Ana - SESTAK, Jaroslav. Glass transition temperature its exploitation and new conception of fragility. In PHYSICS AND CHEMISTRY OF GLASSES-EUROPEAN JOURNAL OF GLASS SCIENCE AND TECHNOLOGY PART B. ISSN 1753-3562, 2018, vol. 59, no. 6, pp. 259-266., Registrované v: WOS

AfE Abstracts of invited papers from foreign conferences

- AfE01 JANOTOVÁ, Irena - HOŠKO, Jozef - ŠVEC, Peter Jr. - MAŤKO, Igor - JANIČKOVIČ, Dušan - ŠVEC, Peter. The study of structure of Fe-B-P based metallic glasses. In *Progress in Applied Surface, Interface and Thin Film Science 2012 (SURFINT-SREN III), May 14-18, 2012, Florence, Italy : Extended Abstract Book of Conference*. - Bratislava : Comenius University, 2012, p. 123. ISBN 978-80-223-3212-5.
Ohlasy:
1. [1.1] LI, Jianbin - LU, Ming - AI, Yongbao - TAO, Cong - XIONG, Yun. Synthesis of Bulk Amorphous Alloy from Fe-Base Powders by Explosive Consolidation. In METALS. ISSN 2075-4701, 2018, vol. 8, no. 9, 727., Registrované v: WOS

FAI Editorial work on book publications (bibliographies, encyclopedias, catalogues, dictionaries, collective publications/proceedings, atlases ...)

- FAI01 *Slovenské vesmírne odysey : (spomienky a prognózy pri príležitosti 20. výročia slovenského letu na stanicu Mir)*. Eds. Štefan Luby, Branislav Peťko ; rec. Ján Slezák, Ján Svoreň. Bratislava : Veda, 2020. 167 s. ISBN 978-80-224-1803-4
Ohlasy:
1. [6] BUCHA, T. Slovenské vesmírne odysey: recenzia. In Quark : magazín o vede a technike, 2020, roč. XXVI, č. 11, s. 56. ISSN 1335-4000.
2. [6] SVOREŇ, J. Slovenské vesmírne odysey : recenzia. In Kozmos, 2020, roč. 51, č. 4. ISSN 0323-049X.

GII Other publications and documents which is not possible to categorize into classes/categories mentioned above

- GII01 BĚTÁK, Emil - OBLOŽINSKÝ, Pavol. PEGAS: Pre-equilibrium gamma- and spin code. In *Report INDC (SLK)*, 1993, 001. Vienna: IAEA. Report
Ohlasy:
1. [1.1] CHECHENIN, N.G. et al. In PHYSICS OF ATOMICS NUCLEI, 2015, vol. 78, p. 159., Registrované v: WOS

XXX XXX

- XXX01 DUHAJ, Pavol - ŠVEC, Peter - ZEMCIK, T. Micromechanism of crystallization of Fe₈₀B₂₀ amorphous alloy. In *Materials Letters*, 1990, vol. 9, no.

7-8, p. 235-241. ISSN 0167-577X. Dostupné na:
[https://doi.org/10.1016/0167-577X\(90\)90052-N](https://doi.org/10.1016/0167-577X(90)90052-N)

Ohlasy:

1. [1.1] KUTASHOVAA, E. M. - PYATAEVA, A. - SHKODICH, N. F. - ROGACHEV, A. S. - SCHECK, Yu B. Fe-B nanomaterials by mechanochemical synthesis: A Mossbauer study. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2019, vol. 492, UNSP 165663., Registrované v: WOS

XXX02 MAAS, Axel**. Two- and three-point Green's functions in two-dimensional Landau-gauge Yang-Mills theory. In *Physical Review D*, 2007, vol. 75, no. 11, 116004. (2006: 4.896 - IF, Q1 - JCR, 2.381 - SJR, Q1 - SJR, Current Contents - CCC). (2007 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na:
<https://doi.org/10.1103/PhysRevD.75.116004>

Ohlasy:

1. [1.1] BARRIOS, Nahuel - PELAEZ, Marcela - REINOSA, Urko - WSCHEBOR, Nicolas. Ghost-antighost-gluon vertex from the Curd-Ferrari model: Two-loop corrections. In PHYSICAL REVIEW D. ISSN 2470-0010, 2020, vol. 102, no. 11. Dostupné na:
<https://doi.org/10.1103/PhysRevD.102.114016>., Registrované v: WOS
2. [1.1] VUJINOVIC, Milan - MENDES, Tereza. Probing the tensor structure of lattice three-gluon vertex in Landau gauge. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 99, no. 3, 034501., Registrované v: WOS