

Ohlasy / Citations, reviews

Department: SAVFYZIK - Fyzikálny ústav SAV

Date of citation, review: 2011~2014

Citations, reviews

Citations in Web of Science Core Collection (1.1, 2.1)	5257
Citations in SCOPUS (1.2, 2.2)	1085
Citations in other citation indexes and databases (not listed above) (3.2, 4.2, 9, 10)	4
Other citations (not listed above) (3, 4, 3.1, 4.1)	151
Reviews (5, 6)	0
Count	6497

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] ABDI-GHALEH, REZA. In OPTIK, 2014, vol. 125, pp. 2332., WOS
- [1.1] ABDI-GHALEH, R. In ACTA PHYSICA POLONICA A, 2014, vol. 126, pp. 705., WOS
- [1.1] ANTONAKAKIS, T. In NEW JOURNAL OF PHYSICS, 2013, vol. 15, 103014., WOS
- [1.1] ARRUDA, T.J. Electromagnetic energy within coated spheres. In JOURNAL OF OPTICS, 2012, vol. 14, 065101., WOS
- [1.1] ASATRYAN, A.A. Transmission and Anderson localization in dispersive metamaterials. In PHYSICAL REVIEW B, 2012, vol. 85, 045122., WOS
- [1.1] BECERRA, O.G. Localized modes in metamaterials-dielectric photonic crystals. In JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, 2012, vol. 25, pp. 2163., WOS
- [1.1] BOECHLER, N. Bifurcation-based acoustic switching. In NATURE MATERIALS, 2011, vol. 10, P. 665., WOS
- [1.1] BRIONES-TORRES, J.S. In SUPERLATTICES AND MICROSTRUCTURES, 2014, vol. 73, pp. 98., WOS
- [1.1] BULGAKOV, E.N. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA A, 2014, vol. 31, pp. 264., WOS
- [1.1] CARRERA-ESCOBEDO, V.H. In PHYSICA E. 2014, vol. 63, pp. 248., WOS
- [1.1] CASTIBLANCO, R. In JOURNAL OF PHYSICS CONFERENCE SERIES, 2014, vol. 480, 012025., WOS

- [1.1] CRASTER, R.V. Dangers of using the edges of the Brillouin zone. In PHYSICAL REVIEW B, 2012, vol. 86, 115130., WOS
- [1.1] DEL BARCO, O. Localization length. In PHYSICAL REVIEW A, 2012, vol. 86, 023846., WOS
- [1.1] DIETZ, O. Microwave realization. In PHYSICAL REVIEW B, 2011, VOL. 83, 134203., WOS
- [1.1] DYAKOV, S.A. Enhancement of photoluminescence. In APPLIED PHYSICS LETTERS, 2012, vol. 100, no. 6, 061908., WOS
- [1.1] DYAKOV, S.A. Resonance enhancement of Raman scattering. In JOURNAL OF NANOELECTRONICS AND OPTOELECTRONICS, 2012, vol. 7, pp. 591., WOS
- [1.1] EVENOR, I. Analysis of light scattering. In EUROPEAN PHYSICAL JOURNAL D, 20102, vol. 66, 231., WOS
- [1.1] FAN, Y. In PHYSICAL REVIEW B, 2013, vol. 88, 241403., WOS
- [1.1] FEDORIN, I. In EUROPEAN PHYSICAL JOURNAL- APPLIED PHYSICS, 2014, vol. 66, 20502., WOS
- [1.1] FERNANDEZ-MARIN, A.A. Photonic heterostructures. In PHYSICAL REVIEW A, 2012, vol. 85, 035803., WOS
- [1.1] FERNANDEZ-MARIN, A.A. In PHYSICAL REVIEW LETTERS, 2014, vol. 113, 233901., WOS
- [1.1] FERREIRA, A. Faraday effect. In PHYSICAL REVIEW B, 2011, vol. 84, 235410., WOS
- [1.1] GHARAATI, A. In OPTICA APPLICATA, 2014, vol. 44, pp. 637., WOS
- [1.1] GOBAN, A. In NATURE COMMUNICATIONS, 2014, vol. 5, 3808., WOS
- [1.1] GOLDIN, Y.A. In RUSSIAN JOURNAL OF MATHEMATICAL PHYSICS, 2013, vol. 20, pp. 438., WOS
- [1.1] GONZALES, L.E. Pressure, temperature and plasma frequency effects. In PHYSICA E, 2012, vol. 44, pp. 773., WOS
- [1.1] GREDESKUL, S.A. Anderson localization in metamaterials. In LOW TEMPERATURE PHYSICS, 2012, vol. 38, pp. 570., WOS
- [1.1] HESS, O. Gain in negative-refractive-index. In PROCEEDINGS SPIE, 2011, vol. 7949, 79490Q., WOS
- [1.1] HSU, H.-T. A multichanneled electromagnetics. In PROGRESS IN ELECTROMAGNETICS RESEARCH, 2011, vol. 117, p. 379., WOS
- [1.1] HUANG, Y. In SIAM JOURNAL ON SCIENTIFIC COMPUTING, 2013, vol. 35, B248., WOS
- [1.1] HUANG, Y. Solving metamaterials . In COMPUTERS AND MATHEMATICS WITH APPLICATIONS, 2012, vol. 63, pp. 1597., WOS
- [1.1] HUANG, Y. Superconvergence. In JOURNAL OF COMPUTATIONAL PHYSICS, 2011, vol. 230, p. 8275., WOS
- [1.1] HUANG, Y. Superconvergence analysis. In NUMERICAL METHODS FOR PARTIAL DIFFERENTIAL EQUATIONS, 2012, vol. 28, pp. 1794., WOS
- [1.1] HUNG, H.-C. Enhancement of near-infrared photonic band. In PROGRESS IN ELECTROMAGNETICS RESEARCH-PIER, 2012, vol. 125, pp. 219., WOS
- [1.1] CHAKRABORTY, P.B. Interacting lattice electrons. In PHYSICAL REVIEW B, 2011, vol. 84, 035121., WOS
- [1.1] CHANG, T.-W. Investigation of resonant peaks. In APPLIED

PHYSICS A, 2011, vol. 104, p. 895., WOS

[1.1] IWANAGA, M. Photonic metamaterials. In SCIENCE AND TECHNOLOGY OF ADVANCED MATERIALS, 2012, vol. 13, 053002., WOS

[1.1] IZRAILEV, F.M. Anomalous localization in low-dimensional systems with correlated disorder. In PHYSICS REPORTS, 2012, vol. 512, pp. 125., WOS

[1.1] LINTON, C.M. Water waves. In JOURNAL OF FLUID MECHANICS, 2011, vol. 670, p. 504., WOS

[1.1] LI, J. Finite element study. In COMPUTER METHODS IN APPLIED MECHANICS, 2011, vol. 200, p. 626., WOS

[1.1] LI, Y. In PROCEEDINGS OF SPIE, 2013, vol. 8806, 880612., WOS

[1.1] MARTIN, P.A. In WAVE MOTION, 2014, vol. 51, pp. 296., WOS

[1.1] MAUREL, A. Usual Anderson localization. In PHYSICAL REVIEW B, 2012, vol. 85, no. 20, 205138., WOS

[1.1] MOGILEVTSEV, D. Light propagation. In PHYSICAL REVIEW B, 2011, vol. 84, 094204., WOS

[1.1] MOLERON, M. Sound propagation in periodic urban areas. In JOURNAL OF APPLIED PHYSICS, 2012, vol. 111, 114906., WOS

[1.1] MOLINARI, D. Route to strong localization of light. In OPTICS EXPRESS, 2012, vol. 20, pp. 18156., WOS

[1.1] MOSTAFA, S.I. One-dimensional metallic-dielectric (Ag/SiO₂) photonic crystals. In RENEWABLE ENERGY, 2012, vol. 45, pp. 245., WOS

[1.1] PAREDES-JUAREZ, A. In OPTICS EXPRESS, 2014, vol. 22, pp. 7581., WOS

[1.1] PASTUSZCZAK, A. Optimized low-loss multilayers. In JOURNAL OF APPLIED PHYSICS, 2011, vol. 109, 084302., WOS

[1.1] PERES, N.M.R. In PHYSICAL REVIEW B, 2014, vol. 90, 125425., WOS

[1.1] PRUDENCIO, F. In 8TH INTERNATIONAL CONGRESS ON ADVANCED ELECTROMAGNETIC MATERIALS IN MICROWAVES AND OPTICS (METAMATERIALS), 2014., WOS

[1.1] RAFAT, N.H. Modeling of a wide band pass. In JOURNAL OF OPTICS, 2011, vol. 13, 085101., WOS

[1.1] REYES-GOMEZ, E. Suppression of Anderson localization. In PHYSICAL REVIEW B, 2012, vol. 85, 195110., WOS

[1.1] RODRIQUEZ-VARGAS, I. Resonant tunneling. In JOURNAL OF APPLIED PHYSICS, 2012, vol. 112, 073711., WOS

[1.1] SARKAR, A. Left-handed maxwellian behavior. In MODERN PHYSICS LETTERS B, 2011, vol. 25, p. 2323., WOS

[1.1] SARKAR, A. Left-handed Maxwellian aspects of natural pearl. In PROCEEDINGS OF SPIE, 2012, vol. 8423, 84230I., WOS

[1.1] SHIVESHWARI, L. In OPTIK, 2013, vol. 124, pp. 5646., WOS

[1.1] SHI, F. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B, 2013, vol. 30, pp. 1473., WOS

[1.1] SMITH, M.J.A. In SIAM JOURNAL ON APPLIED MATHEMATICS, 2014, vol. 74, pp. 1551., WOS

[1.1] SOHN, S.-M. An interdigitated split-ring resonator for metamaterials. In MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, 2011, vol. 53, p. 174., WOS

[1.1] TIGNONE, E.- PUPILLO, G.- GENES, C. In PHYSICAL REVIEW A, 2014, vol. 90, 053831., WOS

- [1.1] TORRES-HERRERA, E.J. Anderson localization. In LOW TEMPERATURE PHYSICS, 2011, vol. 37, p. 957., WOS
- [1.1] TORRES-HERRERA, E.J. Non-conventional Anderson localization in bilayered structures. In EPL, 2012, vol. 98, 27003., WOS
- [1.1] TSAKMAKIDIS, K.L. Extreme control of light in metamaterials. In PHYSICA B, 2012, vol. 407, pp. 4066., WOS
- [1.1] VANCO, L. In VACUUM, 2014, vol. 110, pp. 102., WOS
- [1.1] VAZQUEZ-CANDANEDO, O. In PHYSICAL REVIEW A, 2014, vol. 89, 013832., WOS
- [1.1] WANG, B.-X. In JOURNAL OF LIGHTWAVE TECHNOLOGY, 2014, vol. 32, pp. 2293., WOS
- [1.1] WATTS, C.M. In PROCEEDINGS OF SPIE, 2014, vol. 8985, 89851N., WOS
- [1.1] WATTS, C.M. Metamaterial electromagnetic wave absorbers. In ADVANCED MATERIALS, 2012, vol. 24, pp. OP98., WOS
- [1.1] WU, M.-R. In APPLIED OPTICS, 2014, vol. 53, pp. 7285., WOS
- [1.1] WU, M.-R. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B, 2014, vol. 31, pp. 1730., WOS
- [1.1] WU, Y. In APPLIED PHYSICS LETTERS, 2013, vol. 102, 183105., WOS
- [1.1] YUN, S. In APPLIED PHYSICS LETTERS, 2013, vol. 103, 233109., WOS
- [1.1] ZALIPAEV, V.V. In PHYSICS LETTERS A, 2013, vol. 377, pp. 216., 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, Californnia, USA.* - Berlin : Springer Verlag, 1999, p. 235-246. ISBN 3-54065514-X.
- Ohlasy:
- [1.1] FAN, Heng - WANG, Yi-Nan - JING, Li - YUE, Jie-Dong - SHI, Han-Duo - ZHANG, Yong-Liang - MU, Liang-Zhu. Quantum cloning machines and the applications. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, 2014, vol. 544, no. 3, pp. 241., WOS
- AAB02 ŠIKULA, Milan - STANĚK, Peter - KREJČÍ, Oskar - BERČÍK, Peter - BÁRÁNY, Eduard - NIKODÝM, Dušan - PEKNÍK, Miroslav - BAXA, Josef - BENŽA, Mojmír - 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] NEMEC, J. - ŠUMPÍKOVÁ, M. - KLAZAR, S. et al. Fiscal imbalances: How Should Public Finance React? In Oleg Deev, Veronika Kajurová, Jan Krajíček. European Financial Systems 2014. Proceedings of the 11th International Scientific Conference. 1. vyd. Brno: Masarykova Univerzita, 2014. s. 425-432, 8 s. ISBN 978-80-210-7153-7., WOS 000350701500057
- [2.1] BIANCHI, G. Nové podoby sexuality, občianstva, noriem a reprodukcie : svet a Slovensko. In Sociológia, 2013, roč. 45, č. 1, s. 5-26., WOS [2.1] MICHÁLKOVÁ, A. Strategic consideration of regional networks in tourism and their contradictory effects. In Ekonomický časopis, 2011, č. 3, s. 311. [Cit. Klas: Inovácie ako kľúčový faktor ...].
- [2.1] MIKLOŠÍK, A. - HVIŽDOVÁ, E. - ŽÁK, Š. Znalostný manažment ako podstatný determinant udržateľnosti konkurencieschopnosti podniku. In Ekonomický časopis, 2012, roč. 60, č. 10, s. 1041-1058., WOS 085MR
- [3] IVANOVA, E. - MASAROVA, J. Importance of road infrastructure in the economic development and competitiveness. In Economics and management [Lithua], 2013, vol. 18, no. 2, p. 263-274. ISSN 1822-6515.
- [3] KUZMIŠINOVÁ, Viera. Income inequality as part of new economic and social conditions of business. In Społeczność i Edukacja. Międzynarodowe Studia Humanistyczne, 2013, no. 2, p. 417-429. Dostupné na internete:<http://www.humanum.org.pl/images/SiE/SiE_2_2013.pdf>.
- [3] KUZMIŠINOVÁ, V. Income inequality as part of new economic and social conditions of business : income inequality as a today's phenomenon. In Humanum. Międzynarodowe Studia Społeczno-Humanistyczne/Kolegium Edukacji Praktycznej, 2013, vol. 2, no. 11, p. 139-149. Dostupné na internete:<http://www.humanum.org.pl/images/Czasopisma/Humanum_2_2013_ks.pdf>.
- [3] SPIŠÁKOVÁ, E. Financovanie vzdelávania vo vybraných krajinách a jeho komparácia podľa zvolených ukazovateľov. In O. C. Peredrij Improving the quality of education at universities. Uzhgorod : Transcarpathian state university (Ukraine), 2011. S. 225-250.
- [4] BARTÁK, P. Ku globálnej kríze a možným vyústeniam. In Sociálno-ekonomická revue, 2011, roč. 9, č. 4, s. 17-25.
- [4] BERČÍK, P. Ekonomika administratívnych inštitúcií štátu v nových podmienkach. In Navodila globálna kríza zmeny a chápaní úlohy štátu v ekonomike a spoločnosti? Bratislava : Ekonomický ústav SAV, 2011. S. 123-128. ISBN 978-8087144-186-1.
- [4] CIBÁKOVÁ, V. - CIBÁK, L. Úlohy vysokého školstva v Slovenskej republike a jeho financovanie v porovnaní s krajinami EÚ. In Verejná správa a regionálny rozvoj, 2012, roč. VIII, č. 2, s. 9-23.
- [4] DOVÁĽOVÁ, G. Strieborná ekonomika v domácej a svetovej literatúre. In Working papers, 2011, č. 34, s. 1-45.
- [4] DOVÁĽOVÁ, G. Strieborná ekonomika v domácej a svetovej literatúre. In Strieborná ekonomika v slovenskom, európskom a svetovom kontexte. Bratislava : Ekonomický ústav SAV, 2012. S. 23-82, 285. ISBN 978-80-7144-205-9 [cit. Okáli a kol. Stratégia konvergenzie k úrovni vyspelých ekonomík].
- [4] GAVUROVÁ, B. - ŠOLTÉS, V. - ŠOLTÉS, M. Meranie zdravia a

zdravotných rizík vo vybraných rómskych osadách na Slovensku - fakty a reflexie. In. I. Pauhofová, T. Želinský. Nerovnosť a chudoba v Európskej únii a na Slovensku II. Košice : Technická univerzita, 2014. S. 188-201. ISBN 978-80-553-1909-4. Dostupné na

internete:<<http://www.ekf.tuke.sk/chudoba2014/proceedings.html>>.

[4] GONDA, V. Vybrané otázky inovačného rozvoja v EÚ a SR v kontexte Stratégie Európa 2020 a Iniciatívy inovácia v únii. In Brezina Ivan (ed.) ETER 2014. Bratislava : Ekonomická univerzita, 2014. 1 CD-ROM. ISBN 978-80-225-3884-8.

[4] HUSÁKOVÁ, M. - SIKÁ, P. Sociálne služby vo väzbe na kvalitu života seniorov. In Nová ekonomika, 2012, roč. 5, č. 4, s. 84-96.

[4] KAČÍRKOVÁ, M. Disparity v regionálnom inovačnom prostredí. In Štefan Rehák (ed.) 2. zimný seminár regionálnej vedy. Bratislava : Ekonóm, 2012. S. 1-13. ISBN 978-80-225-3422-2.[citovaný M.Buček Stratégia regionálneho rozvoja, s. 570-632].

[4] KAČÍRKOVÁ, M. Veda a výskum na Slovensku : základné východiská, stratégia, trendy. In Working papers [EÚ SAV], 2012, č. 38, s. 1-53.

[4] KOLLÁR, J. Nezamestnanosť a trh práce v podmienkach Slovenskej republiky v nadväznosti na stratégiu Európa 2020. In V. Hladlovský (ed.) Rozpočet pre EÚ na roky 2014-2020 v kontexte Stratégie Európa 2020. Banská Bystrica : Univerzita Mateja Bela, 2012. 1 CD-ROM. ISBN 978-80-970959-1-8.

[4] NEMEC, J. Modernizácia verejnej správy v Slovenskej republike ako nevyhnutná reakcia na súčasnú krízu. In Tokárová, M. Aktuálne trendy v manažmente verejnej správy. Bratislava : Vysoká škola ekonómie a manažmentu verejnej správy, 2011. S. 247-253. ISBN 978-80-8137-001-4.

[4] PIOVARČIOVÁ, V. Problémy a perspektívy rozvoja Slovenskej republiky po vstupe do Európskej hospodárskej a menovej únie. In Brezina Ivan (ed.) ETER 2014. Bratislava : Ekonomická univerzita, 2014. 1 CD-ROM. ISBN 978-80-225-3884-8.

[4] PUŠKÁROVÁ, P. Inovačná výkonnosť krajín V4. In Machová, M. (ed.) EDAMBA 2012 : proceedings. Bratislava : Ekonóm, 2012. s. 972-985. ISBN 978-80-225-3549-6.

[4] PUŠKÁROVÁ, P. Nový prístup k inovačnej politike - socio-inovačné mixy. In M. Lábaj (zost.) Zborník z Letnej školy slovenských ekonómov 2013. Bratislava : Katedra hospodárskej politiky Ekonomickej univerzity, 2013. S. 1-14. 1 CD-ROM. ISBN 978-80-225-3685-1.

[4] ŠOLTÉS, V. - ŠOLTÉS, M. - GAVUROVÁ, B. Vývoj mortality v regiónoch s vysokou koncentráciou rómskeho obyvateľstva. In. I. Pauhofová, T. Želinský. Nerovnosť a chudoba v Európskej únii a na Slovensku II. Košice : Technická univerzita, 2014. S. 202-214. ISBN 978-80-553-1909-4. Dostupné na internete:<<http://www.ekf.tuke.sk/chudoba2014/proceedings.html>>.

[4] ULIAN, J. Je bezpečnosť spoločnosti kľúčovým cieľom?. In Paradigmy budúcich zmien v 21. storočí. Bratislava : Ekonomický ústav SAV, 2012. S. 246-256. ISBN 978-80-7144-198-4.

[4] VALACH, E. Tendencie v regulovaní hospodárstva. In Jozef MEDVEĎ (ed.) Je budúcnosť eura fiškálna a politická únia? Banská Bystrica : BIVŠ-zahranič. vysoká škola, 2012. S. 114-121. ISBN 978-80-970422-4-0.

[4] VAŇOVÁ, A.- PALA, J. - BERČÍK, P. Úloha a postavenie štátu v kontexte hospodárskej a politickej krízy. In Jozef MEDVEĎ (ed.) Je budúcnosť

europa fiškálna a politická únia? Banská Bystrica : BIVŠ-zahranič. vysoká škola, 2012. S. 173-181. ISBN 978-80-970422-4-0.

ABC Chapters in scientific monographs published abroad

ABC01 BUŽEK, Vladimír. Quantum tomography from incomplete data via MaxEnt principle. In *Quantum Estimations: Theory and Experiment : Lecture Notes in Physics*. Vol. 649. - Berlin : Springer-Verlag, 2004, p. 189-234.

Ohlasy:

[1.1] FLAMMIA, S.T. Quantum tomography via compressed sensing. In NEW JOURNAL OF OPTICS, 2012, vol. 14, 095022., WOS

[1.1] GUTA, M. Rank-based model selection. In NEW JOURNAL OF PHYSICS, 2012, vol. 14, 105002., WOS

[1.1] MACIEL, T.O. Variational quantum tomography. In INTERNATIONAL JOURNAL OF MODERN PHYSICS C, 2011, vol. 22, P. 1361., WOS

[1.1] OLIVARES, S.-PARIS, M.G.A. Quantum estimation of states and operations from incomplete data. In EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS, 2012, vol. 203, no. 1, pp. 185-192., WOS

[1.1] RAU, J. In PHYSICAL REVIEW A, 2014, vol. 90, 062114., WOS

[1.1] RAU, J. Inferring the Bibbs state. In PHYSICAL REVIEW A, 2011, vol. 84, 012101., WOS

[1.1] VIANNA, R.O. et al. In PHYSICAL REVIEW A, 2013, vol. 87, 032304., WOS

ABC02 DEL DEBBIO, L. - FABER, M. - GREENSITE, J. - OLEJNÍK, Štefan. Center dominance, Casimir scaling, and confinement in lattice gauge theory. In *Theory of elementary particles*. - Berlin : Wiley-VCH, 1998, p. 233-240.

Ohlasy:

[3] ZUBKOV, M.A. In PREPRINT DOCTORAL THESIS (ITEP, Moscow), HEP-PH/ 1207.4619, 2012.

ABC03 FABER, Manfred - GREENSITE, Jeff - OLEJNÍK, Štefan - YAMADA, D. Some pieces of lattice in favor of the center-vortex picture. In MITRUSHKIN, V. - SCHIERHOLZ, G. *Lattice Fermions and Structure of the Vacuum*. - Dordrecht : Kluwer Academic Publ., 2000, p. 327.

Ohlasy:

[3] ZUBKOV, M.A. In PREPRINT DOCTORAL THESIS (ITEP, Moscow), HEP-PH/ 1207.4619, 2012.

ABC04 GMUCOVÁ, Katarína. A Review of Non-Cottrellian Diffusion Towards Micro-and Nano- Structured Electrodes : Chapter 1. In *Electrochemical Cells- New Advances in Fundamental Researches and Applications*. - Rijeka : InTech, 2012, p. 3-20. ISBN 978-953-51-0032-4.

Ohlasy:

[1.1] RAJESH, Kumar- RAMA, Kant. Admittance of diffusion limited adsorption coupled to reversible charge transfer on rough and finite fractal electrodes. In ELECTROCHIMICA ACTA, 2013, vol. 95, pp. 275-287., WOS

[1.1] RAMA, Kant- SARATHBABU, M.- SHRUTI, Srivastav. Effect of uncompensated solution resistance on quasireversible charge transfer at rough and finite fractal electrode. In ELECTROCHIMICA ACTA, 2013, vol. 95, pp.

237-245., WOS

[1.1] SHRUTI, Srivastav- SHWETA, Dhillon- RATNESH, Kumar- RAMA, Kant. Experimental validation of roughness power spectrum based theory of anomalous Cottrell response. In *JOURNAL OF PHYSICAL CHEMISTRY C*, 2013, vol. 117, no. 17, pp. 8594-8603., WOS

[3.1] BIENIASZ, Lesław K. Basic assumptions and equations of electroanalytical models. In *Modelling Electroanalytical Experiments by the Integral Equation Method*. ISBN 978-3-662-44881-6. Berlin/ Heidelberg, Springer 2014.

ABC05 ILLEKOVÁ, Emília. Kinetic characterization of nanocrystal formation in metallic glasses. In *Properties and applications of nanocrystalline alloys from amorphous precursors. Proc. of the NATO Advanced Research Workshop, Budmerice, 9-15 June 2003. Series II: Mathematics, Physics and Chemistry- Vol. 184.* - Dordrecht : Kluwer Academic Publ., 2005. S. 79-89. ISBN 1-4020-2964-0.

Ohlasy:

[1.1] SESTAK, Jaroslav - QUEIROZ, Carlos A. - MARES, Jiri J. - HOLECEK, Miroslav - SESTAK, J - MARES, JJ - HUBIK, P. Some Aspects of Vitrification, Amorphisation and Disordering and the Generated Extent of Nano-Crystallinity. In *GLASSY, AMORPHOUS AND NAN-CRYSTALLINE MATERIALS: THERMAL PHYSICS, ANALYSIS, STRUCTURE AND PROPERTIES*, 2011, vol.8, p. 59-75., WOS

ABC06 IVANČO, Ján. Certain problems in the practical characterization of molecular films and associated interfaces by direct photoemission : Chapter 2. In *Organic Semiconductors: Properties, Fabrication and Applications.* - Hauppauge, NY : Nova Science Publishers, Inc., 2011, p. 65-105. ISBN 978-1-61209-391-8.

Ohlasy:

[1.2] GMUCOVÁ, Katarína - MÜLLEROVÁ, Jarmila. Amorphous photovoltaics: Organics versus inorganics. In *Amorphous Materials: New Research*. Ed. S.B. Mishra. NY, Nova Science Publ. 2013-03-01, pp. 1-26., SCOPUS

ABC07 JAHNÁTEK, Michal - KRAJČÍ, Marián - HAFNER, J. Atomic structure, interatomic bonding and mechanical properties of the Al₃V compound. In *Properties and applications of nanocrystalline alloys from amorphous precursors. Proc. of the NATO Advanced Research Workshop, Budmerice, 9-15 June 2003. Series II: Mathematics, Physics and Chemistry- Vol. 184.* - Dordrecht : Kluwer Academic Publ., 2005. S. 79-89. ISBN 1-4020-2964-0.

Ohlasy:

[1.1] SHIM, Jae-Hyeok - KO, Won-Seok - KIM, Ki-Hyun - LEE, Heung-Soon - LEE, Young-Su - SUH, Jin-Yoo - CHO, Young Whan - LEE, Byeong-Joo. Prediction of hydrogen permeability in V-Al and V-Ni alloys. In *JOURNAL OF MEMBRANE SCIENCE*. ISSN 0376-7388, 2013, vol. 430, pp. 234-241., WOS

ABC08 KRAJČÍ, Marián - HAFNER, J. Ab- Initio Studies of Quasicrystalline Surfaces. In *Quasicrystals. Handbook of Metal Physics Vol. 3.* - Amsterdam : Elsevier B.V., 2008. S. 313-355., p. 313-355. ISBN 978-0-444-51418-9.

Ohlasy:

[1.1] ORS, Taylan - TAKAKURA, Hiroyuki - ABE, Eiji - STEURER, Walter. The quasiperiodic average structure of highly disordered decagonal Zn-Mg-Dy and its temperature dependence. In ACTA CRYSTALLOGRAPHICA SECTION B-STRUCTURAL SCIENCE CRYSTAL ENGINEERING AND MATERIALS. ISSN 0108-7681, 2014, vol. 70, APR, Part 2, pp. 315-330., WOS

ABC09 TRNOVCOVÁ, Viera - HANIC, František - ŠRÁMKOVÁ, Táňa - ŠKUBLA, A. Martensitic alpha -gamma phase transition and ionic conductivity in "pure" and doped LiIO(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] YAO, G. - AN, X.Y. - CHEN, Y. - FU, Y.J. - JIANG, Z.Q. - LIU, Y.D. First-principles study of the structural, electronic and optical properties of tetragonal LiIO₃. In COMPUTATIONAL MATERIALS SCIENCE. ISSN 0927-0256, MAR 2014, vol. 84, p. 350-354., WOS

ADC ADC

ADC01 ADAMUŠČIN, Cyril - DUBNIČKOVÁ, Anna Zuzana - DUBNIČKA, Stanislav - PEKÁRIK, Roman - WEISENPACHER, Peter. Asymptotic conditions for the electromagnetic form factors of hadrons represented by the VMD model. In *European Physical Journal C*, 2003, vol. 28, p. 115-118.

Ohlasy:

[1.1] VERESHKOV, G. - VOLCHANSKIY, N. Gauge- and point-invariant vertices of nucleon-to-resonance interactions. In PHYSICAL REVIEW C. ISSN 0556-2813, 2013, vol. 87, no. 3, 035203., WOS

ADC02 BARTOŠ, Josef - ANDREOZZI, L. - FAETTI, M. - ŠAUŠA, Ondrej - RAČKO, Dušan - KRIŠTIAK, 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. (1.264 - IF2005). (2006 - Current Contents, SCOPUS). ISSN 0022-3093.

Ohlasy:

[1.1] CHEN, H.L. - SUN, L. - WARNCKE, K. Heterogeneous Ordered Disordered Structure of the Mesodomain in Frozen Sucrose-Water Solutions Revealed by Multiple Electron Paramagnetic Resonance Spectroscopies. In LANGMUIR. ISSN 0743-7463, APR 2 2013, vol. 29, no. 13, p. 4357-4365., WOS

ADC03 FABER, Manfred - GREENSITE, Jeff - OLEJNÍK, Štefan. What are the confining field configurations. In *Journal of High Energy Physics*, 2000, vol. 6, p. 041(0-17). ISSN 1029-8479.

Ohlasy:

[3] ZUBKOV, M.A. In PREPRINT DOCTORAL THESIS (ITEP, Moscow), HEP-PH/ 1207.4619, 2012.

- ADC04 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.
Ohlasy:
[1.1] BALDOVINO-MEDRANO, Victor G. - FARIN, Benjamin - GAIGNEAUX, Eric M. Establishing the Role of Graphite as a Shaping Agent of Vanadium-Aluminum Mixed (Hydr)oxides and Their Physicochemical Properties and Catalytic Functionalities. In *ACS CATALYSIS*. ISSN 2155-5435, 2012, vol. 2, no. 3, pp. 322., WOS
- ADC05 HILLERY, Mark - ZIMAN, Mário - BUŽEK, Vladimír. Improving the performance of probabilistic programmable quantum processors. In *Physical Review A*, 2004, vol. 69, p. 042311.
Ohlasy:
[1.1] MIKOVA, Martina - FIKEROVA, Helena - STRAKA, Ivo - MICUDA, Michal - FIURASEK, Jaromir - JEZEK, Miroslav - DUSEK, Miloslav. Increasing efficiency of a linear-optical quantum gate using electronic feed-forward. In *PHYSICAL REVIEW A*. ISSN 1050-2947, 2012, vol. 85, no. 1, 012305., WOS
- ADC06 HILLERY, M. - ZIMAN, Mário - BUŽEK, Vladimír. Implementation of quantum maps by programmable quantum processors. In *Physical Review A*, 2002, vol. 66, p. 042302. ISSN 1050-2947.
Ohlasy:
[1.1] ZHANG, Ming - LIN, Min - SCHIRMER, S. G. - DAI, Hong-Yi - ZHOU, Zongtan - HU, Dewen. On the role of a priori knowledge in the optimization of quantum information processing. In *QUANTUM INFORMATION PROCESSING*. ISSN 1570-0755, 2012, vol. 11, no. 3, pp. 639., WOS
- ADC07 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.
Ohlasy:
[1.1] GIANREGGARIO, Maria M. - BIANCO, Giuseppe V. - CAPEZZUTO, Pio - BRUNO, Giovanni - LOSURDO, Maria - SUVOROVA, Alexandra A. - SAUNDERS, Martin. Optical Properties of Silicon Semiconductor-Supported Gold Nanoparticles Obtained by Sputtering. In *JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY*. ISSN 1533-4880, 2012, vol. 12, no. 11, pp. 8594-8599., WOS
- ADC08 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. (1.114 - IF1998). (1999 - Current Contents, SCOPUS).
Ohlasy:
[1.1] MEIER, Robert - CHIANG, Hsin-Yin - RUDERER, Matthias A. - GUO, Shuai - KOERSTGENS, Volker - PERLICH, Jan -

MUELLER-BUSCHBAUM, Peter. In situ film characterization of thermally treated microstructured conducting polymer films. In JOURNAL OF POLYMER SCIENCE PART B-POLYMER PHYSICS. ISSN 0887-6266, 2012, vol. 50, no. 9, pp. 631-641., WOS

[1.1] WERNECKE, Jan - SCHOLZE, Frank - KRUMREY, Michael. Direct structural characterisation of line gratings with grazing incidence small-angle x-ray scattering. In REVIEW OF SCIENTIFIC INSTRUMENTS. ISSN 0034-6748, 2012, vol. 83, no. 10, pp., WOS

[1.1] WERNECKE, J. - KRUMREY, M. - HOELL, A. - KLINE, R.J. - LIU, H.K. - WU, W.L. Traceable GISAXS measurements for pitch determination of a 25 nm self-assembled polymer grating. In JOURNAL OF APPLIED CRYSTALLOGRAPHY. ISSN: 0021-8898, DEC 2014, vol. 47, part 6, p. 1912-1920., WOS

ADC09 KOLEŠÍK, Miroslav - MOLONEY, J.V. A spatial digital filter method for broad-band simulation of semiconductor lasers. In *IEEE Journal of Quantum Electronics*, 2001, vol. 37, p. 936-944.

Ohlasy:

[1.1] WENZEL, Hans. Basic Aspects of High-Power Semiconductor Laser Simulation. In IEEE JOURNAL OF SELECTED TOPICS IN QUANTUM ELECTRONICS. ISSN 1077-260X, 2013, vol. 19, no. 5, 1502913., WOS

[1.2] BÄUMNER, A. - KOCH, S.W. Quantum design and non-equilibrium effects in VECSELs. In Proceedings of SPIE The International Society for Optical Engineering, 2011, vol.7919., SCOPUS

ADC10 KRAJČÍ, Marián - HAFNER, J. Covalent bonding and semiconducting bandgap formation in Al-transition-metal quasicrystalline approximants. In *Journal of Non-Crystalline Solids*, 2004, vol. 334-335, p. 342-346.

Ohlasy:

[1.1] ALARCÓN VILLASECA, S. - DUBOIS, J.-M. - GAUDRY, É. First-principles study of low-index surfaces of the Al₅Co₂ complex metallic alloy. In Philosophical Magazine, 2011, vol.91, no.19-21, 2894-2903., WOS

ADC11 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:

[3] DUDINA, D. V. - GEORGARAKIS, K. - YAVARI, A. R. Metal matrix composites reinforced with metallic glass particles : state of the art. In DAVIM, J. P. Metal Matrix Composites, Nova Science Publishers, ISBN: 978-1-61209-771-8, 2012, pp. 1-30.

ADC12 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.

Ohlasy:

[1.1] KOLOMIETZ, V. M. - SANZHUR, A. I. THIN STRUCTURE OF beta-STABILITY LINE AND SYMMETRY ENERGY. In INTERNATIONAL

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

ADCA01 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] CARICATO, Anna Paola - LUCHES, Armando. Applications of the matrix-assisted pulsed laser evaporation method for the deposition of organic, biological and nanoparticle thin films: a review. In *APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING*, 2011, vol.105, no.3, 565-582., WOS

[1.1] KHARE, J. - SRIVASTAVA, H. - SINGH, C. H. P. - JOSHI, M. P. - KUKREJA, L. M. Vapor phase synthesis of hexagonal shaped single crystal yttria stabilized zirconia nanoparticles using CO₂ laser. In *CERAMICS INTERNATIONAL*. ISSN 0272-8842, 2013, vol. 39, no. 2, pp. 1103-1109., WOS

ADCA02 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, p. 228-241.

Ohlasy:

[1.1] PUCKETT, A. J. R. - BRASH, E. J. - GAYOU, O. - JONES, M. K. - PENTCHEV, L. et al. Final analysis of proton form factor ratio data at Q²=4.0, 4.8, and 5.6 GeV². In *PHYSICAL REVIEW C*. 2012, vol. 85, no. 4, art. no. 045203., WOS

ADCA03 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. (2.614 - IF2011). (2012 - Current Contents). ISSN 0146-6410.

Ohlasy:

[1.1] ANTOGNINI, Aldo - KOTTMANN, Franz - BIRABEN, Francois - INDELICATO, Paul - NEZ, Francois - POHL, Randolph. Theory of the 2S-2P Lamb shift and 2S hyperfine splitting in muonic hydrogen. In *ANNALS OF PHYSICS*. ISSN 0003-4916, 2013, vol. 331, pp. 127., WOS

[1.1] KELKAR, N. G. - NOWAKOWSKI, M. - FIERRO, D. Bedoya. Opportunities and problems in determining proton and light nuclear radii. In *PRAMANA-JOURNAL OF PHYSICS*. ISSN 0304-4289, 2014, vol. 83, no. 5, pp. 761-771., WOS

[1.1] MOHR, Peter J. - TAYLOR, Barry N. - NEWELL, David B. CODATA Recommended Values of the Fundamental Physical Constants: 2010. In *JOURNAL OF PHYSICAL AND CHEMICAL REFERENCE DATA*. ISSN 0047-2689, 2012, vol. 41, no. 4, UNSP 043109., WOS

[1.1] MOHR, Peter J. - TAYLOR, Barry N. - NEWELL, David B. CODATA recommended values of the fundamental physical constants: 2010. In *REVIEWS*

OF MODERN PHYSICS. ISSN 0034-6861, 2012, vol. 84, no. 4, pp. 1527-1605., WOS

[1.1] POHL, Randolph - ANTOGNINI, Aldo - AMARO, Fernando D. - BIRABEN, Francois - CARDOSO, Joao M. R. - COVITA, Daniel S. - DAX, Andreas - DHAWAN, Satish - DIEPOLD, Marc - FERNANDES, Luis M. P. - GIESEN, Adolf - GOUVEA, Andrea L. - GRAF, Thomas - HAENSCH, Theodor W. - INDELICATO, Paul - JULIEN, Lucile - KAO, Cheng-Yang - KNOWLES, Paul - LOPES, Jose A. M. - LE BIGOT, Eric-Olivier - LIU, Yi-Wei - LUDHOVA, Livia - MONTEIRO, Cristina M. B. - MULHAUSER, Francoise - NEBEL, Tobias - NEZ, Francois - RABINOWITZ, Paul - DOS SANTOS, Joaquim M. F. - SCHALLER, Lukas A. - SCHUHMANN, Karsten - SCHWOB, Catherine - TAQUU, David - VELOSO, Joao F. C. A. - VOGELSANG, Jan - KOTTMANN, Franz. Laser spectroscopy of muonic hydrogen. In *ANNALEN DER PHYSIK*. ISSN 0003-3804, 2013, vol. 525, no. 8-9, pp. 647., WOS

[1.1] POHL, Randolph. The Lamb shift in muonic hydrogen and the proton radius puzzle. In *HYPERFINE INTERACTIONS*. ISSN 0304-3843, 2014, vol. 227, no. 1-3, pp. 23-28., WOS

[1.1] TAN, Joseph N. - MOHR, Peter J. - QUINT, W - VOGEL, M. Tests of Theory in Rydberg States of One-Electron Ions. In *FUNDAMENTAL PHYSICS IN PARTICLE TRAPS*. ISSN 0081-3869, 2014, vol. 256, pp. 375-404., WOS

ADCA04 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.

Ohlasy:

[1.2] ARRINGTON, J. - BLUNDEN, P.G. - MELNITCHOUK, W. Review of two-photon exchange in electron scattering. In *Progress in Particle and Nuclear Physics*, 2011, vol.66, no.4, 782-833., SCOPUS

ADCA05 ADAMUŠČIN, Cyril - GAKH, G.I. - TOMASI-GUSTAFSSON, E. Polarization effects in the reaction $e^{+}+e^{-}\rightarrow\rho^{-}$ 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. (3.327 - IF2006). (2007 - Current Contents, WOS, SCOPUS). ISSN 0556-2813.

Ohlasy:

[1.1] MELLO, C.S. Electromagnetic form factors for spin-1 particles with the light-front. In *NUCLEAR PHYSICS B-PROCEEDINGS SUPPLEMENTS*, 2014, vol. 251, pp. 62-67., WOS

ADCA06 ADAMUŠČIN, Cyril - KURAEV, E.A. - TOMASI, Gustafsson - MAAS, F.E. Testing axial and electromagnetic nucleon form factors in time-like regions in the processes. In *Physical Review C*, 2007, vol. 75, no. 4, 045205. ISSN 0556-2813.

Ohlasy:

[1.1] DENIG, Achim - SALME, Giovanni. Nucleon electromagnetic form factors in the timelike region. In *PROGRESS IN PARTICLE AND NUCLEAR PHYSICS*. ISSN 0146-6410, 2013, vol. 68, pp. 113., WOS

[1.1] FERROLI, R. Baldini - PACETTI, S. - ZALLO, A. No Sommerfeld resummation factor in $e^{+}e^{-}\rightarrow p\bar{p}$? In *EUROPEAN PHYSICAL JOURNAL A*. ISSN 1434-6001, 2012, vol. 48, no. 3., WOS

[1.1] GUTTMANN, J. - VANDERHAEGHEN, M. Theoretical analysis of the $p(\bar{p}) \rightarrow \pi(0) e^{+}e^{-}$ process within a Regge framework. In PHYSICS LETTERS B. ISSN 0370-2693, 2013, vol. 719, no. 1-3, pp. 136., WOS

[1.1] LANSBERG, J. P. - PIRE, B. - SEMENOV-TIAN-SHANSKY, K. - SZYMANOWSKI, L. Accessing baryon to meson transition distribution amplitudes in meson production in association with a high invariant mass lepton pair at GSI-FAIR with (P)over-barANDA. In PHYSICAL REVIEW D. ISSN 1550-7998, 2012, vol. 86, no. 11, 114033., WOS

ADCA07 ADAMUŠČIN, Cyril - TOMASI-GUSSTAFSSON, 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.

Ohlasy:

[1.1] GUTIERREZ, C. - DE SANCTIS, M. A study of a relativistic quark-diquark model for the nucleon. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2014, vol. 50, no. 11, 169., WOS

ADCA08 AGAKISHIEV, H. - AGGARWAL, M.M. - AHAMMED, Z. - ALAKHVERDYANTS, A.V. - ALEKSEEV, I. - FILIP, Peter. Observation of the antimatter helium-4 nucleus. In *Nature*, 2011, vol. 473, no. 7347, p. 353-356. (36.104 - IF2010). (2011 - Current Contents). ISSN 0028-0836.

Ohlasy:

[1.1] COLOCCI, M. In JOURNAL OF PHYSICS: CONFERENCE SERIES, 2014, vol. 612, 012065., WOS

[1.1] GIULIANI, G. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS, 2014, vol. 76, pp. 116., WOS

[1.1] GREINER, Walter - DELION, DS - ZAMFIR, NV - RADUTA, AR - GULMINELLI, F. Nuclei: superheavy-superneutronic-strange-and of antimatter. In INTERNATIONAL SUMMER SCHOOL FOR ADVANCED STUDIES DYNAMICS OF OPEN NUCLEAR SYSTEMS (PREDEAL12). ISSN 1742-6588, 2013, vol. 413, 012002., WOS

[1.1] GREINER, W. In ASTRONOMISCHE NACHRICHTEN, 2014, vol. 335, pp. 564., WOS

[1.1] CHO, Sungtae - LEE, Su Houg. Hadronic effects on the X(3872) meson abundance in heavy ion collisions. In PHYSICAL REVIEW C. ISSN 0556-2813, 2013, vol. 88, no. 5, 054901., WOS

[1.1] LEE, S.H. In EPJ WEB OF CONFERENCES, 2014, vol. 97, 00018., WOS

[1.1] MARTIN, Nicole. (Anti-)matter and hyper-matter production at the LHC with ALICE. In INTERNATIONAL WORKSHOP ON DISCOVERY PHYSICS AT THE LHC (KRUGER2012). ISSN 1742-6588, 2013, vol. 455, UNSP 012007., WOS

[1.1] SATAROV, L. M. - MISHUSTIN, I. N. - GREINER, W. Evolution of antibaryon abundances in the early universe and in heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 0556-2813, 2013, vol. 88, no. 2, 024908., WOS

[1.1] STEINHEIMER, J. In JOURNAL OF PHYSICS CONFERENCE SERIES, 2014, vol. 509, 012002., WOS

[1.1] TANNENBAUM, M.J. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A, 2014, vol. 29, 1430017., WOS

- [1.1] TSAN, Ung Chan. MASS, MATTER, MATERIALIZATION, MATTERGENESIS AND CONSERVATION OF CHARGE. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS. ISSN 0218-3013, 2013, vol. 22, no. 5, 1350027., WOS
- [1.2] ABE, K. - FUKU, H. - HAINO, S. - HAMS, T. - HASEGAWA, M. et al. Search for antihelium with the BESS-polar spectrometer. In Physical Review Letters. ISSN 00319007, 2012-03-29, 108, 13, 131301., SCOPUS
- [1.2] ADRIANI, O. - BARBARINO, G. C. - BAZILEVSKAYA, G. A. - BELLOTTI, R. - BOEZIO, M. et al. The PAMELA Mission: Heralding a new era in precision cosmic ray physics. In PHYSICS REPORTS, 2014, vol. 544, NO. 4, pp. 323-370., SCOPUS
- [1.2] FISCHER, W.- JOWETT, J.M. Ion Colliders. In REVIEWS OF ACCELERATOR SCIENCE AND TECHNOLOGY, Vol. 7, pp. 49-76., SCOPUS
- [1.2] GREINER, W. Novel clusters in nuclear physics: Superheavy, superstrange, antimatter. In European Physical Journal D. ISSN 14346060, 2012-08-01, 66, 8, no. 200., SCOPUS
- [1.2] GREINER, Walter. Extension of the periodic system: Superheavy, superstrange and antimatter nuclei. In Journal of Physics: Conference Series. ISSN 17426588, 2012-12-01, 403, 1, 012046., SCOPUS
- [1.2] HERMAN, Christine. Cool as helium. In Nature Chemistry. ISSN 17554330, 2012-02-01, 4, 2, pp. 140., SCOPUS
- [1.2] CHEN, Gang - CHEN, Huan - WANG, Jiang Ling - CHEN, Zheng Yu. Scaling properties of light (anti)nuclei and (anti)hypertriton production in Au+Au collisions at $\sqrt{s_{NN}} = 200$ GeV. In Journal of Physics G: Nuclear and Particle Physics. ISSN 09543899, 2014-11-01, 41, 11, 115102., SCOPUS
- [1.2] CHEN, Gang - CHEN, Huan - WU, Juan - LI, De Sheng - WANG, Mei Juan. Centrality dependence of light (anti)nuclei and (anti)hypertriton production in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. In Physical Review C Nuclear Physics. ISSN 05562813, 2013-09-24, 88, 3, 034908., SCOPUS
- [1.2] KALWEIT, A. Particle identification in the ALICE experiment. In Journal of Physics G: Nuclear and Particle Physics, 2011, vol.38, no.12., SCOPUS
- [1.2] KIESSLING, Michael K H. The Hartree limit of Born's ensemble for the ground state of a bosonic atom or ion. In Journal of Mathematical Physics. ISSN 00222488, 2012-09-28, 53, 9, 095223., SCOPUS
- [1.2] PAL, Subrata - GREINER, Walter. Production of antinuclei and hypernuclei in a relativistic Hagedorn resonance gas model. In Physical Review C Nuclear Physics. ISSN 05562813, 2013-05-15, 87, 5, 054905., SCOPUS
- [1.2] SHARMA, N. Production of nuclei and antinuclei in pp and Pb-Pb collisions with ALICE at the LHC. In Journal of Physics G: Nuclear and Particle Physics, 2011, vol.38, no.12., SCOPUS
- [1.2] STEINHEIMER, J. - GUDIMA, K. - BOTVINA, A. - MISHUSTIN, I. - BLEICHER, M. - STÖCKER, H. Hypernuclei, dibaryon and antinuclei production in high energy heavy ion collisions: Thermal production vs. coalescence. In Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics. ISSN 03702693, 2012-07-24, 714, 1, pp. 85-91., SCOPUS
- [1.2] STEINHEIMER, J. - XU, Z. - GUDIMA, K. - BOTVINA, A. - MISHUSTIN, I. - BLEICHER, M. - STÖCKER, H. Anti- and hypermatter research at the facility for antiproton and ion research FAIR. In Journal of

- ADCA09 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. (1.812 -
IF1996). (1997 - Current Contents, SCOPUS). ISSN 0021-8979.
Ohlasy:
[1.1] TASCIOGLU, Ilke - AYDEMIR, Umut - ALTINDAL, Semsettin -
KINACI, Baris - OZCELIK, Suleyman. Analysis of the forward and reverse bias
I-V characteristics on Au/PVA: Zn/n-Si Schottky barrier diodes in the wide
temperature range. In *JOURNAL OF APPLIED PHYSICS*, 2011, vol.109, no.5,
054502., WOS
- ADCA10 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.
(3.475 - IF2009). (2010 - Current Contents, WOS, SCOPUS). ISSN 1098-0121.
Ohlasy:
[1.1] DELIGOZ, E. - OZISIK, H. - COLAKOGLU, K. Theoretical
predictions of the structural, mechanical and lattice dynamical properties of XW₂
(X = Zr, Hf) Laves phases. In *PHILOSOPHICAL MAGAZINE*. ISSN
1478-6435, 2014, vol. 94, no. 13, pp. 1379., WOS
[1.1] LIU, Yong - HU, Wen-Cheng - LI, De-Jiang - ZENG, Xiao-Qin - XU,
Chun-Shui. Theoretical predictions of the structural and thermodynamic
properties of MgZn₂ Laves phase under high pressure. In *APPLIED PHYSICS*
A-MATERIALS SCIENCE & PROCESSING. ISSN 0947-8396, 2014, vol. 115,
no. 1, pp. 323., WOS
[1.1] XIE, Yao-Ping - WANG, Zhi-Yong - HOU, Z. F. The phase stability
and elastic properties of MgZn₂ and Mg₄Zn₇ in Mg-Zn alloys. In *SCRIPTA*
MATERIALIA. ISSN 1359-6462, 2013, vol. 68, no. 7, pp. 495., WOS
- ADCA11 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.
Ohlasy:
[1.1] BOYD, E.J. In *THIN SOLID FILMS*, 2011, VOL. 519, P. 7932., WOS
[1.1] SELVARAJU, K. - KIRUBAVATHI, K. Synthesis, growth and
characterization of a nonlinear optical crystal: Bis L-proline hydrogen nitrate. In
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR
SPECTROSCOPY. ISSN 1386-1425, 2013, vol. 115, pp. 537., WOS
[1.1] THAILA, T. In *SPECTROCHIMICA ACTA A*, 2011, VOL. 82, NO. 1,
P. 20., WOS
- ADCA12 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. (3.715 - IF2012). (2013 - Current Contents, WOS, SCOPUS). ISSN 0556-2813.

Ohlasy:

[1.1] QIAN, Y.- REN, Z. In *PHYSICAL REVIEW C*, 2013, vol. 88, no. 4, 044329., WOS

ADCA13 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. (7.328 - IF2009). (2010 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Ohlasy:

[1.1] ANDREEV, A. V. - ADAMIAN, G. G. - ANTONENKO, N. V. Mass distributions for induced fission of different Hg isotopes. In *PHYSICAL REVIEW C*. ISSN 0556-2813, 2012, vol. 86, no. 4, 044315., WOS

[1.1] ARITOMO, Y. - CHIBA, S. Fission process of nuclei at low excitation energies with a Langevin approach. In *PHYSICAL REVIEW C*. ISSN 0556-2813, 2013, vol. 88, no. 4, 044614., WOS

[1.1] CASTRO-CHAVEZ, Fernando. The Rules of Variation Expanded, Implications for the Research on Compatible Genomics. In *BIOSEMIOTICS*. ISSN 1875-1342, 2012, vol. 5, no. 1, pp. 121., WOS

[1.1] NAGAME, Y. - NAKAHARA, H. Two-mode fission experimental verification and characterization of two fission-modes. In *RADIOCHIMICA ACTA*. ISSN 0033-8230, 2012, vol. 100, no. 8-9, pp. 605., WOS

[1.1] PANEBIANCO, Stefano - SIDA, Jean-Luc - GOUTTE, Heloise - LEMAITRE, Jean-Francois - DUBRAY, Noel - HILAIRE, Stephane. Role of deformed shell effects on the mass asymmetry in nuclear fission of mercury isotopes. In *PHYSICAL REVIEW C*. ISSN 0556-2813, 2012, vol. 86, no. 6, 064601., WOS

[1.1] PFUETZNER, M. - KARNY, M. - GRIGORENKO, L. V. - RIISAGER, K. Radioactive decays at limits of nuclear stability. In *REVIEWS OF MODERN PHYSICS*. ISSN 0034-6861, 2012, vol. 84, no. 2, pp. 567., WOS

[1.1] SCHMIDT, Karl-Heinz - JURADO, Beatriz - OBERSTEDT, S. Global view on fission observables new insights and new puzzles. In *GAMMA-1 EMISSION OF PROMPT GAMMA-RAYS IN FISSION AND RELATED TOPICS*. ISSN 1875-3892, 2012, vol. 31, pp. 147., WOS

[1.1] VOGT, Ramona - RANDRUP, Jorgen. Nuclear Fission. In *100 YEARS OF SUBATOMIC PHYSICS*, 2013, pp. 101., WOS

[1.1] WARDA, M. - STASZCZAK, A. - NAZAREWICZ, W. Fission modes of mercury isotopes. In *PHYSICAL REVIEW C*. ISSN 0556-2813, 2012, vol. 86,

no. 2, 024601., WOS

[1.2] IZOSIMOV, I.N. - KALINNIKOV, V.G. - SOLNYSHKIN, A.A. Fine structure of strength functions for beta decays of atomic nuclei. In *Physics of Particles and Nuclei*, 2011, vol.42, no.6, 963-997., SCOPUS

ADCA14 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. (1.642 - IF2013). (2014 - Current Contents). ISSN 0026-8976.

Ohlasy:

[1.1] YAO, Zhenwei - DE LA CRUZ, Monica Olvera. Dynamics of vacancies in two-dimensional Lennard-Jones crystals. In *PHYSICAL REVIEW E*. ISSN 1539-3755, 2014, vol. 90, no. 6, 062318., WOS

ADCA15 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, p. 108-110. (1.114 - IF2008). (2009 - Current Contents). ISSN 0042-207X.

Ohlasy:

[1.2] DEMYDENKO, M. - PROTSENKO, S. - SIFFALOVIC, P. Null-ellipsometry investigations of the optical properties and diffusion processes in spin-valve structures based on Co and Cu. In *Thin Solid Films*, 2012, 520, 17, pp. 5722-5726., SCOPUS

[1.2] DEMYDENKO, M.G. - PROTSENKO, S.I. - SIFFALOVIC, P. Features of magnetoresistance of spin-valve systems based on Au/Co/Cu/Co/Au/SiO₂. In *Metallofizika i Noveishie Tekhnologii*, 2011, 33, 5, pp. 623-630., SCOPUS

ADCA16 ATKINSON, D. - DUHAJ, Pavol. Magnetoelastic behaviour of amorphous bimetallic ribbons. In *Journal of Magnetism and Magnetic Materials*, 1996, vol. 157, p. 156-158. (1.208 - IF1995). (1996 - Current Contents, WOS, SCOPUS). ISSN 0304-8853.

Ohlasy:

[1.1] TORMES, C. D. - BELTRAMI, M. - CRUZ, R. C. D. - MISSELL, F. P. Characterization of drying behavior of granular materials using magnetoelastic sensors. In *NDT & E INTERNATIONAL*. ISSN 0963-8695, 2014, vol. 66, pp. 67-71., WOS

[1.1] ZIVOTSKY, O. - TITOV, A. - JIRASKOVA, Y. - BURSIK, J. - KALBACOVA, J. - JANICKOVIC, D. - SVEC, P. Full-scale magnetic, microstructural, and physical properties of bilayered CoSiB/FeSiB ribbons. In *JOURNAL OF ALLOYS AND COMPOUNDS*. ISSN 0925-8388, 2013, vol. 581, pp. 685-692., WOS

ADCA17 AUGER, M.A. - VÁZQUEZ, L. - SÁNCHEZ, O. - JERTEL, Matej - CUERNO, R. - CASTRO, M. Growth dynamics of reactive-sputtering-deposited AlN films. In *Journal of Applied Physics*, 2005, vol. 97, no. 12, 13528. (2.255 - IF2004). (2005 - Current Contents). ISSN 0021-8979.

Ohlasy:

[1.1] CAO, Yu. In *JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS*, 2013, vol. 333, p. 1-7., WOS

- [1.1] DHILLON, P.K. et al. In APPLIED SURFACE SCIENCE, 2014, vol. 317, pp. 1068-1074., WOS
- [1.1] DHILLON, P.K. In AIP CONFERENCE PROCEEDINGS, vol. 1447, 2012, P. 757-758., WOS
- [1.1] DHILLON, P.K. In APPLIED SURFACE SCIENCE, vol. 258, 2012, P. 9579-9583., WOS
- [1.1] DHILLON, P.K.-SARKAR, S. In APPLIED SURFACE SCIENCE, 2013, vol. 284, p. 569-574., WOS
- [1.1] HOU, R. In JOURNAL OF APPLIED PHYSICS, vol. 111, 2012, 074510., WOS
- [1.1] CHAN, Ch.S. In SURFACE AND COATINGS TECHNOLOGY, 2013, vol. 231, p. 229-233., WOS
- [1.1] KUMADA, T. In PHYSICA STATUS SOLIDI C: CURRENT TOPICS IN SOLID STATE PHYSICS, vol. 9, 2012, p. 515-518., WOS
- [1.1] LEE, I. Anomalous kinetic roughening. In JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN, 2011, VOL. 80, 124602., WOS
- [1.1] MOHANTY, B.C. Fluctuations in global surface scaling behavior. In EPL, 2011, VOL. 92, 26003., WOS
- [1.1] PAHLOVY, S.A. In NUCLEAR INSTRUMENTS AND METHODS B, vol. 272, 2012, p. 206-209., WOS
- [1.1] PAHLOVY, S.A. Ripple formation. In JOURNAL OF VACUUM SCIENCES A. TECHNOLOGY A, 2011, VOL. 29, NO. 2, 021015., WOS
- [1.1] YANG, J.J. et al. In JOURNAL OF NUCLEAR MATERIALS, 2014, vol. 455, pp. 189-193., WOS
- [1.1] YANG, J.J. et al. In APPLIED PHYSICS LETTERS, 2014, vol. 104, no. 3, 031602., WOS

ADCA18 AUGER, M.A. - VAZQUEZ, L. - CUERNO, R. - CASTRO, M. - JERDEL, Matej - SANCHEZ, O. Intrinsic anomalous surface roughening of TiN films deposited by reactive sputtering. In *Physical Review B*, 2006, vol. 73, no. 4, 045436. (3.185 - IF2005). (2006 - Current Contents, WOS, SCOPUS). ISSN 1098-0121.

Ohlasy:

- [1.1] AARAO REIS, F. D. A. Anomalous roughening in competitive growth models with time-decreasing rates of correlated dynamics. In PHYSICAL REVIEW E, 2011, vol. 84, no. 3, 031604., WOS
- [1.1] ALVAREZ, Rafael - GONZALEZ, Juan C. - ESPINOS, Juan P. - GONZALEZ-ELIPE, Agustin R. - CUEVA, Ana - VILLUENDAS, Francisco. Growth of silver on ZnO and SnO₂ thin films intended for low emissivity applications. In APPLIED SURFACE SCIENCE. ISSN 0169-4332, 2013, vol. 268, pp. 507., WOS
- [1.1] BERINGER, D. B. - ROACH, W. M. - CLAVERO, C. - REECE, C. E. - LUKASZEW, R. A. Roughness analysis applied to niobium thin films grown on MgO(001) surfaces for superconducting radio frequency cavity applications. In PHYSICAL REVIEW SPECIAL TOPICS-ACCELERATORS AND BEAMS. ISSN 1098-4402, 2013, vol. 16, no. 2, 022001., WOS
- [1.1] BERINGER, D. B. - ROACH, W. M. - CLAVERO, C. - REECE, C. E. - LUKASZEW, R. A. Characterization of two different orientations of epitaxial niobium thin films grown on MgO(001) surfaces. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2013, vol. 114, no. 22, 223502., WOS
- [1.1] DE ASSIS, T. A. - AARAO REIS, F. D. A. Thin film deposition with

time-varying temperature. In JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT. ISSN 1742-5468, 2013, P10008., WOS

[1.1] LIU BO - YANG JIJUN - TANG RUI - XU KEWEI. Scaling Behaviors of Surface Roughening of Cu Thin Films Deposited by Oblique Angle Deposition. In RARE METAL MATERIALS AND ENGINEERING. ISSN 1002-185X, 2012, vol. 41, Suppl. 1, pp. 93., WOS

[1.1] MOHANTY, B. C. - CHOI, H. R. - CHO, Y. S. Fluctuations in global surface scaling behavior in sputter-deposited ZnO thin films. In EPL, 2011, vol.93, no.2, 26003., WOS

[1.1] PAHLOVY, Shahjada A. - MAHMUD, S. F. - YANAGIMOTO, K. - MIYAMOTO, I. Ripple formation on atomically flat cleaved Si surface with roughness of 0.038 nm rms by low-energy Ar¹⁺ ion bombardment. In JOURNAL OF VACUUM SCIENCE & TECHNOLOGY A, 2011, vol.29, no.2, 021015., WOS

[1.1] PAHLOVY, S. A. - MAHMUD, S. F. - YANAGIMOTO, K. - AIKAWA, N. - MIYAMOTO, I. Roughening and smoothing behavior of single crystal Si by low energy Ar⁺ ion bombardment. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS. ISSN 0168-583X, 2012, vol. 272, pp. 206., WOS

[1.1] SUCHANECK, G. - LABITZKE, R. - ADOLPHI, B. - JASTRABIK, L. - ADAMEK, P. - DRAHOKOUPIL, J. - HUBICKA, Z. - KISELEV, D. A. - KHOLKIN, A. L. - GERLACH, G. - DEJNEKA, A. Deposition of PZT thin film onto copper-coated polymer films by mean of pulsed-DC and RF-reactive sputtering. In SURFACE & COATINGS TECHNOLOGY, 2011, vol.205, S241-S244., WOS

[1.1] XIA, Hui - TANG, Gang - XUN, Zhipeng - HAO, Dapeng. Numerical evidence for anomalous dynamic scaling in conserved surface growth. In SURFACE SCIENCE. ISSN 0039-6028, 2013, vol. 607, pp. 138., WOS

[1.1] YANG, J. J. - MIAO, F. M. - TANG, J. - SHU, X. Y. - MA, F. - XU, K. W. - YANG, Y. Y. - LIAO, J. L. - LIU, N. Surface dynamics transition during the growth of compositionally graded CrN_x films. In APPLIED PHYSICS LETTERS. ISSN 0003-6951, 2014, vol. 104, no. 3, 031602., WOS

[1.1] YANG, J. J. - MIAO, F. M. - TANG, J. - YANG, Y. Y. - LIAO, J. L. - LIU, N. Multi-scale kinetic surface roughening of reactive-sputtered TaN thin films characterized by wavelet transform approach. In THIN SOLID FILMS. ISSN 0040-6090, 2014, vol. 550, JAN, pp. 367-372., WOS

[1.2] HE, Li Jun - LI, Chuan - LIU, Xing Zhao. Surface roughness in alumina thin film deposited on silica using oblique incidence. In Materials Science Forum. ISSN 02555476, 2014-01-01, 787, pp. 373-377., SCOPUS

ADCA19 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.

Ohlasy:

[1.1] BAKALOVA, S. - SZEKERES, A. - ANASTASESCU, M. - GARTNER, M. - DUTA, L. - SOCOL, G. - RISTOSCU, C. - MIHAILESCU, I. N. - VANDESANDEN, MCM - DIMITROVA, M - GHELEV, C. VIS/IR

spectroscopy of thin AlN films grown by pulsed laser deposition at 400 degrees C and 800 degrees C and various N₂ pressures. In 18TH INTERNATIONAL SUMMER SCHOOL ON VACUUM, ELECTRON AND ION TECHNOLOGIES (VEIT2013). ISSN 1742-6588, 2014, vol. 514, 012001., WOS

[1.1] DUY-THACH PHAN - CHUNG, Gwi-Sang. The effect of geometry and post-annealing on surface acoustic wave characteristics of AlN thin films prepared by magnetron sputtering. In APPLIED SURFACE SCIENCE, 2011, vol.257, no.20, 8696., WOS

[1.1] FU, Yuechun - ZHANG, Yao - YANG, Weijia - HE, Huan - SHEN, Xiaoming. Surface evolution of NaCl-type cubic AlN films on MgO (100) substrates deposited by laser molecular beam epitaxy. In JOURNAL OF CRYSTAL GROWTH. ISSN 0022-0248, 2012, vol. 343, no. 1, pp. 28., WOS

[1.1] CHIU, Hsien Tang - SUKACHONMAKUL, Tanapon - KUO, Ming Tai - WANG, Yu Hsiang - WATTANAKUL, Karnthidaporn. Surface modification of aluminum nitride by polysilazane and its polymer-derived amorphous silicon oxycarbide ceramic for the enhancement of thermal conductivity in silicone rubber composite. In APPLIED SURFACE SCIENCE. ISSN 0169-4332, 2014, vol. 292, pp. 928., WOS

[1.1] CHIU, Hsien T. - SUKACHONMAKUL, Tanapon - WANG, Chen H. - WATTANAKUL, Karnthidaporn - KUO, Ming T. - WANG, Yu H. Effect of pyrolysis atmospheres on the morphology of polymer-derived silicon oxynitrocarbide ceramic films coated aluminum nitride surface and the thermal conductivity of silicone rubber composites. In APPLIED SURFACE SCIENCE. ISSN 0169-4332, 2014, vol. 292, pp. 319., WOS

[1.1] CHIU, Hsien-Tang - SUKACHONMAKUL, Tanapon - WANG, Chen-Hao - WATTANAKUL, Karnthidaporn - GUO, Ming-Tai - WANG, Yu-Hsiang. Fabrication and characterization of silicon-based ceramic/aluminum nitride as thermally conductive hybrid filler in silicone rubber composite. In MATERIALS CHEMISTRY AND PHYSICS. ISSN 0254-0584, 2014, vol. 147, no. 1-2, pp. 11., WOS

[1.1] MWAKIKUNGA, B.W. Progress in ultrasonic spray pyrolysis for condensed matter sciences developed from ultrasonic nebulization theories since Michael Faraday. In SOLID STATE AND MATERIALS SCIENCES, 2014, vol. 39, pp. 46-80., WOS

[1.1] PREMKUMAR, Peter Antony - DELABIE, Annelies - RODRIGUEZ, Leonard N. J. - MOUSSA, Alain - ADELMANN, Christoph. Roughness evolution during the atomic layer deposition of metal oxides. In JOURNAL OF VACUUM SCIENCE & TECHNOLOGY A. ISSN 0734-2101, 2013, vol. 31, no. 6, 061501., WOS

[1.1] YANG, Jing - LI, Yudong - CAO, Miaomiao - CHEN, Yigang - ZHOU, Z. Structure and nanomechanical properties of Al_{1-x}Sc_xN thin films. In 12TH INTERNATIONAL SYMPOSIUM ON MULTISCALE, MULTIFUNCTIONAL AND FUNCTIONALLY GRADED MATERIALS (FGM 2012). ISSN 1742-6588, 2013, vol. 419, 012035., WOS

[1.2] KORNYSUCHENKO, A. S. Formation of AlN layers at magnetron sputtering of aluminum in Ar + N₂ gas mixture. In Journal of Nano- and Electronic Physics. ISSN 20776772, 2014-01-01, 6, 2, 02017., SCOPUS

ADCA20 AUGER, M.A. - SANCHEZ, O. - BALLESTEROS, C. - JERGEL, 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] CHAWLA, V.- HOLEC, D.- MAYRHOFFER, P.H. In JOURNAL OF PHYSICS D, 2013, vol. 46, no. 4, 045305., WOS

[1.2] SUN, P.-L. - SU, C.-Y. - LIOU, T.-P. - HSU, C.-H. - LIN, C.-K. Mechanical behavior of TiN/CrN nano-multilayer thin film deposited by unbalanced magnetron sputter process. In Journal of Alloys and Compounds, 2011, vol.509, no.6, 3197-3201., SCOPUS

[1.2] YUECHUN, F. - XIANGHAI, M. - WEIJIA, Y. - HUAN, H. - XIAOMING, S. Microstructure and optical properties of cubic AlN/TiN bilayers deposited by laser molecular beam epitaxy. In Vacuum, 2011, vol.85, no.11, 1037-1041., SCOPUS

ADCA21 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. (3.142 - IF1998). (1999 - Current Contents, WOS, SCOPUS). ISSN 1434-6044.

Ohlasy:

[1.1] BRODSKY, Stanley J. - CAO FU-GUANG - DE TERAMOND, Guy F. AdS/QCD and Applications of Light-Front Holography. In COMMUNICATIONS IN THEORETICAL PHYSICS. ISSN 0253-6102, 2012, vol. 57, no. 4, pp. 641., WOS

[1.1] BRODSKY, Stanley J. - DE TERAMOND, Guy F. Light-Front Holography, Light-Front Wavefunctions, and Novel QCD Phenomena. In FEW-BODY SYSTEMS. ISSN 0177-7963, 2012, vol. 52, no. 3-4, pp. 203., WOS

[1.1] DENIG, Achim - SALME, Giovanni. Nucleon electromagnetic form factors in the timelike region. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2013, vol. 68, pp. 113-157., WOS

[1.1] FERROLI, R. Baldini - PACETTI, S. - ZALLO, A. No Sommerfeld resummation factor in $e(+)e(-) \rightarrow p(p)\overline{p}$? In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2012, vol. 48, no. 3., WOS

[1.1] MELLO, Clayton S. - CRUZ FILHO, Jose P. - DA SILVA, Edson O. - EL-BENNICH, Bruno - DE MELO, J. P. B. C. - FILHO, Victo S. - GONCALVES, VP - DASILVA, MLL - AMARAL, JTD - MACHADO, MVT. Electromagnetic Structure of Pion. In XII HADRON PHYSICS. ISSN 0094-243X, 2013, vol. 1520, pp. 333-336., WOS

ADCA22 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. (2.108 - IF2012). (2013 - Current Contents, WOS, SCOPUS). ISSN 0921-5093.

Ohlasy:

[1.1] YANG, W.W. - GUO, Z.M. - GUO, L.C. - CAO, H.Q. - LUO, J. - YE, A.P. In situ fabrication and properties of AlN dispersion strengthened 2024

aluminum alloy. In INTERNATIONAL JOURNAL OF MINERALS METALLURGY AND MATERIALS. ISSN 1674-4799, 2014, vol. 21, no. 12, p. 1228-1232., WOS

[3] MUSA, M. S. - SCHAUPERL, Z. ECAP – New consolidation method for production of aluminium matrix composites with ceramic reinforcement. In PROCESSING AND APPLICATION OF CERAMICS. ISSN: 18206131, Vol. 7 (2013), p. 63–68.

ADCA23 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. (3.691 - IF2011). (2012 - Current Contents, WOS, SCOPUS). ISSN 1098-0121.

Ohlasy:

[1.1] BAYKARA, Mehmet Z. - TODOROVIC, Milica - MOENIG, Harry - SCHWENDEMANN, Todd C. - UENVERDI, Oezhan - RODRIGO, Lucia - ALTMAN, Eric I. - PEREZ, Ruben - SCHWARZ, Udo D. Atom-specific forces and defect identification on surface-oxidized Cu(100) with combined 3D-AFM and STM measurements. In PHYSICAL REVIEW B. ISSN 1098-0121, 2013, vol. 87, no. 15, 155414., WOS

ADCA24 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.

Ohlasy:

[1.1] ABDALLA, M. Sebawe - OBADA, A. S-F - KHALIL, E. M. - AHMED, M. M. A. Quantum treatment for three waves mutually interacting with a single two-level atom. In LASER PHYSICS. ISSN 1054-660X, 2014, vol. 24, no. 10, 105205., WOS

ADCA25 BANDŽUCH, Peter - KRIŠTIK, Jozef - ŠAUŠA, Ondrej - ZRUBCOVÁ, J. Direct computation of the free volume fraction in amorphous. In *Physical Review B*, 2000, vol. 61, no. 13, p. 8784-8792. (3.008 - IF1999). (2000 - Current Contents). ISSN 1098-0121. Dostupné na internete:

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

Ohlasy:

[1.1] ARANGUREN, Mirta I. - MARCOVICH, Norma E. - SALGUEIRO, Walter - SOMOZA, Alberto. Effect of the nano-cellulose content on the properties of reinforced polyurethanes. A study using mechanical tests and positron annihilation spectroscopy. In POLYMER TESTING. ISSN 0142-9418, 2013, vol. 32, no. 1, pp. 115., WOS

[1.1] ATVARIS, Teresa D. Z. - ABRAHAM, Shibu - HILL, Anita J. - PAS, Steven J. - CHESTA, Carlos - WEISS, Richard G. Modulation of the Photophysical Properties of Pyrene by the Microstructures of Five Poly(alkyl methacrylate)s Over a Broad Temperature Range. In PHOTOCHEMISTRY AND PHOTOBIOLOGY. ISSN 0031-8655, 2013, vol. 89, no. 6, pp. 1346., WOS

[1.1] CONSOLATI, G. - QUASSO, F. Polarization of positronium in amorphous polar polymers: A case study. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2013, vol. 139, no. 20, 204901., WOS

[1.1] VAN DER SMAN, R. G. M. Predictions of Glass Transition

Temperature for Hydrogen Bonding Biomaterials. In JOURNAL OF PHYSICAL CHEMISTRY B. ISSN 1520-6106, 2013, vol. 117, no. 50, pp. 16303., WOS
 [1.2] LARSEN, R.J. - ZUKOSKI, C.F. Effect of particle size on the glass transition. In Physical Review E, 2011, vol.83, no.5, 051504., SCOPUS

ADCA26 BANDŽUCH, Peter - MORHÁČ, Miroslav - KRIŠTIÁK, Jozef. Study of the Van Cittert and Gold iterative methods. In *Nuclear Instruments and Methods in Physics Research A*, 1997, vol. 384, no. 2-3, p. 506-515. ISSN 0168-9002.

Ohlasy:

[1.1] AMSLER, C. - BONOMI, G. - FONTANA, A. - KELLERBAUER, A. - LAGOMARSINO, V. - RIZZINI, E. Lodi - ROTONDI, A. - TESTERA, G. - VENTURELLI, L. - ZURLO, N. The ATHENA experiment for the study of antihydrogen. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2014, vol. 29, no. 20, 1430035., WOS

[1.1] AZADBAKHT, Mohsen - FRASER, Clive S. - ZHANG, Chunsun - LEACH, Joseph. CROSS-SECTION RETRIEVAL FROM FULL-WAVEFORM LIDAR USING SPARSE SOLUTIONS. In 2014 IEEE INTERNATIONAL GEOSCIENCE AND REMOTE SENSING SYMPOSIUM (IGARSS). ISSN 2153-6996, 2014, pp. 1959., WOS

[1.1] DE ROOI, J. - EILERS, P. Deconvolution of pulse trains with the L 0 penalty. In Analytica Chimica Acta, 2011, vol.705, no.1-2, 218-226., WOS

[1.1] HUANG, S. - LI, J. Y. - JIA, B. - WU, Y. K. Relative spectral response measurement of spectrometers using undulator radiation. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, 2014, vol. 9, P03002., WOS

[1.1] KAVETSKYY, Taras - TSMOTS, Volodymyr - SAUSA, Ondrej - STEPANOV, Andrey L. - NAITO, H - TANABE, S. Structural modification of chalcogenide glasses by gamma-irradiation studied with DBAL technique. In PHYSICA STATUS SOLIDI C: CURRENT TOPICS IN SOLID STATE PHYSICS, VOL 9, NO 12. ISSN 1862-6351, 2012, vol. 9, no. 12, pp. 2420., WOS

[1.1] KAVETSKYY, T. S. - TSMOTS, V. M. - SAUSA, O. - STEPANOV, A. L. On the application of methods of positron annihilation spectroscopy for studying radiation-stimulated processes in chalcogenide glassy semiconductors. In SEMICONDUCTORS. ISSN 1063-7826, 2014, vol. 48, no. 1, pp. 9., WOS

[1.1] NYQUIST, Susanne - HALENIUS, Ulf. An EELS study of near edge structures of the oxygen K-edge in spinels. In PHYSICS AND CHEMISTRY OF MINERALS. ISSN 0342-1791, 2014, vol. 41, no. 4, pp. 255., WOS

[1.1] REINHARDT, Sascha. FULL SPECTRUM ANALYSIS IN ENVIRONMENTAL MONITORING. In RADIATION PROTECTION DOSIMETRY. ISSN 0144-8420, 2014, vol. 160, no. 4, pp. 311., WOS

[1.1] VARGAS, J. - BENLLIURE, J. - CAAMANO, M. Unfolding the response of a zero-degree magnetic spectrometer from measurements of the Delta resonance. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, 2013, vol. 707, pp. 16., WOS

[1.1] WACHTMEISTER, S. - CSILLAG, S. Implementation of gold deconvolution for enhanced energy resolution in EEL spectra. In ULTRAMICROSCOPY, 2011, vol. 11, no. 2, p. 79-89., WOS

ADCA27 BARANČOK, Drahošlav - CIRÁK, J. - TOMČÍK, Pavol - GMUCOVÁ, Katarína. Surface modified microelectrodes for selective electroanalysis of metal ions in environmental components. In *Bioelectrochemistry*, 2002, vol. 55, nO. 1-2, p. 153-155. (2002 - Current Contents).

Ohlasy:

[1.1] KHAN, Sher Bahadar - RAHMAN, Mohammed M. - JANG, Eui Soung - AKHTAR, Kalsoom - HAN, Haksoo. Special susceptible aqueous ammonia chemi-sensor: Extended applications of novel UV-curable polyurethane-clay nanohybrid. In *TALANTA*, 2011, vol.84, no.4, 1005-1010., WOS

[1.1] ZANARDI, C. - TERZI, F. - SEEGER, R. Polythiophenes and polythiophene-based composites in amperometric sensing. In *ANALYTICAL AND BIOANALYTICAL CHEMISTRY*. ISSN 1618-2642, 2013, vol. 405, no. 2-3, pp. 509-531., WOS

[3.1] SEEGER, R.- TERZI, F.- ZANARDI, Ch.: Silica-based Materials and Derivates. Chapter: Functional Materials in Amperometric Sensing. Part of the series Monographs in Electrochemistry, 2014, pp. 183-220.

ADCA28 BARANČOK, D. - HALUŠKA, M. - NÁDAŽDY, Vojtech - VAJDA, J. Strong influence of the phase-transition on the electrical-properties of C-60 single-crystals. In *Solid State Communications*, 1995, vol. 94, no. 8, p. 597-600. (1.450 - IF1994). (1995 - Current Contents). ISSN 0038-1098.

Ohlasy:

[1.1] ZMARZLY, D.- DOBRY, D. In *IEEE TRANSACTIONS ON DIELECTRIC AND ELECTRICAL INSULATION*, 2014, vol. 21, no. 3, pp. 1119-1126., WOS

ADCA29 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 CrNx thin film. In *Thin Solid Films*, 2013, vol. 542, p. 1-4. (1.604 - IF2012). (2013 - Current Contents). ISSN 0040-6090.

Ohlasy:

[1.1] MEDUNA, Mojmir - FALUB, Claudiu V. - ISA, Fabio - CHRASTINA, Daniel - KREILIGER, Thomas - ISELLA, Giovanni - VON KAENEL, Hans. Reconstruction of crystal shapes by X-ray nanodiffraction from three-dimensional superlattices. In *JOURNAL OF APPLIED CRYSTALLOGRAPHY*. ISSN 0021-8898, 2014, vol. 47, pp. 2030., WOS

[1.1] SCHOENGRUNDNER, R. - TREML, R. - ANTRETTTER, T. - KOZIC, D. - ECKER, W. - KIENER, D. - BRUNNER, R. Critical assessment of the determination of residual stress profiles in thin films by means of the ion beam layer removal method. In *THIN SOLID FILMS*. ISSN 0040-6090, 2014, vol. 564, pp. 321., WOS

ADCA30 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 hadron. In *Nuclear Physics A*, 2002, vol. 632, no. 1-3, p. 330-342. ISSN 0375-9474.

Ohlasy:

[1.1] CZYZ, H.- IVASHYN, S.- KORCHIN, A. Two-photon form factors of the pi(0), eta and eta' mesons in the chiral theory with resonances. In *PHYSICAL*

REVIEW D, 2012, vol. 85, no. 9, 094010., WOS

[1.1] DOROKHOV, A.E.- RADZHABOV, A.E.- ZHEVLAKOV, A.S. In EUROPEAN PHYSICAL JOURNAL C, 2012, vol. 72, no. 11, 2227., WOS

[1.1] Dorokhov, A.E.-Radzhabov, A.E.-Zhevlakov, A.S. In NUCLEAR PHYSICS B, Vol. 219,2011, p. 267-270., WOS

[1.1] Dorokhov, A.E.-Radzhabov, A.E.-Zhevlakov, A.S. In EUROPEAN PHYSICAL JOURNAL C, 2011, VOL. 71, NO. 7, 1702., WOS

[1.1] DOROKHOV,A.E.- RADZHABOV,A.E.- ZHEVLAKOV,A.S. Status of the lepton g-2 and effects of hadronic corrections. In JETP LETTERS, 2014, vol. 100, Iss.2, pp. 133-143., WOS

[1.1] MILLER, J.P. Muon (g-2): Experiment and theory. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, 2012, vol. 62, p. 237-264., WOS

ADCA31 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, p. 5666-5673. ISSN 1520-6106.

Ohlasy:

[1.1] NGAI, K.L. Relaxation and Diffusion in Complex Systems. In RELAXATION AND DIFFUSION IN COMPLEX SYSTEMS. ISSN 0941-5114, 2011, p. 1-+., WOS

ADCA32 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. (1.363 - IF2001). (2002 - Current Contents, SCOPUS). ISSN 0022-3093.

Ohlasy:

[1.1] ABRAHAM, S. - GHOSH, I. - NAU, W.M. - CHESTA, C. - PAS, S.J. - HILL, A.J. - WEISS, R.G. In-cage and out-of-cage combinations of benzylic radical pairs in the glassy and melted states of poly(alkyl methacrylate)s. In PHOTOCHEMICAL & PHOTOBIOLOGICAL SCIENCES. ISSN 1474-905X, 2012, vol. 11, no. 6, p. 914-924., WOS

[1.1] ROUSSENOVA, M. - ALAM, M. A. - TOWNROW, S. - KILBURN, D. - SOKOL, P. E. - GUILLET-NICOLAS, R. - KLEITZ, F. A nano-scale free volume perspective on the glass transition of supercooled water in confinement. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2014, vol. 16, OCT, 103030., WOS

[1.1] SALGUEIRO, W. - SOMOZA, A. - SILVA, L. - CONSOLATI, G. - QUASSO, F. - MANSILLA, M.A. - MARZOCCA, A.J. Temperature dependence on free volume in cured natural rubber and styrene-butadiene rubber blends. In PHYSICAL REVIEW E. ISSN 1539-3755, MAY 27 2011, vol. 83, no. 5, Part 1., WOS

ADCA33 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. (1.017 - IF1997). (1998 - Current Contents, WOS, SCOPUS). ISSN 0022-3093.

Ohlasy:

[1.1] NGAI, K.L. - HABASAKI, J. An alternative explanation of the change

in T-dependence of the effective Debye-Waller factor at T-c or T-B. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, SEP 21 2014, vol. 141, no. 11., WOS

[1.1] WU, J.R. - HUANG, G.S. - WANG, X.A. - HE, X.J. - XU, B. Changes in the Viscoelastic Mechanisms of Polyisobutylene by Plasticization. In MACROMOLECULES. ISSN 0024-9297, OCT 9 2012, vol. 45, no. 19, p. 8051-8057., WOS

[1.1] WU, X.B. - LIU, C.S. - NGAI, K.L. Origin of the crossover in dynamics of the sub-Rouse modes at the same temperature as the structural alpha-relaxation in polymers. In SOFT MATTER. ISSN 1744-683X, 2014, vol. 10, no. 46, p. 9324-9333., WOS

ADCA34 BARTOŠ, Josef - BANDŽUCH, Peter - ŠAUŠA, Ondrej - KRIŠTIAKOVÁ, Katarína - KRIŠTIAK, 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. (3.331 - IF1996). (1997 - Current Contents). ISSN 0024-9297.

Ohlasy:

[1.1] NGAI, K.L. Relaxation and Diffusion in Complex Systems. In RELAXATION AND DIFFUSION IN COMPLEX SYSTEMS. ISSN 0941-5114, 2011, p. 1-+., WOS

[1.1] NGAI, K.L. - HABASAKI, J. An alternative explanation of the change in T-dependence of the effective Debye-Waller factor at T-c or T-B. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, SEP 21 2014, vol. 141, no. 11., WOS

[1.1] SESTAK, J. - HLAVACEK, B. - HUBIK, P. - MARES, J.J. Vibration Forms in the Vicinity of Glass Transition, Structural Changes and the Creation of Voids When Assuming the Role of Polarizability. In GLASSY, AMORPHOUS AND NAN-CRYSTALLINE MATERIALS: THERMAL PHYSICS, ANALYSIS, STRUCTURE AND PROPERTIES. 2011, vol. 8, p. 41-58., WOS

[1.1] WINBERG, P. - ELDRUP, M. - MAURER, F.H.J. Free volume dilatation in polymers by ortho-positronium. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, JUN 28 2012, vol. 136, no. 24., WOS

ADCA35 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] RAULT, J. Glass: Kohlrausch exponent, fragility, anharmonicity. In EUROPEAN PHYSICAL JOURNAL E. ISSN 1292-8941, APR 2012, vol. 35, no. 4., WOS

ADCA36 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] SULATHA, M.S. - NATARAJAN, U. Effect of Chemical Substituents on the Structure of Glassy Diphenyl Polycarbonates. In JOURNAL OF

- ADCA37 BARTOŠ, Josef - ŠAUŠA, Ondrej - KRIŠTIÁK, 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. (1.608 - IF2000). (2001 - Current Contents, WOS, SCOPUS). ISSN 0953-8984.

Ohlasy:

[1.1] NGAI, K.L. Relaxation and Diffusion in Complex Systems. In RELAXATION AND DIFFUSION IN COMPLEX SYSTEMS. ISSN 0941-5114, 2011, p. 1-+., WOS

[1.1] OTTOCHIAN, A. - LEPORINI, D. Universal scaling between structural relaxation and caged dynamics in glass-forming systems: Free volume and time scales. In JOURNAL OF NON-CRYSTALLINE SOLIDS. ISSN 0022-3093, JAN 15 2011, vol. 357, no. 2, SI, p. 298-301., WOS

[1.1] ROUSSENOVA, M. - ALAM, M. A. - TOWNROW, S. - KILBURN, D. - SOKOL, P. E. - GUILLET-NICOLAS, R. - KLEITZ, F. A nano-scale free volume perspective on the glass transition of supercooled water in confinement. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2014, vol. 16, 103030., WOS

[1.1] SALGUEIRO, W. - SOMOZA, A. - SILVA, L. - CONSOLATI, G. - QUASSO, F. - MANSILLA, M.A. - MARZOCCA, A.J. Temperature dependence on free volume in cured natural rubber and styrene-butadiene rubber blends. In PHYSICAL REVIEW E. ISSN 1539-3755, MAY 27 2011, vol. 83, no. 5, Part 1., WOS

[1.1] SESTAK, J. - HLAVACEK, B. - HUBIK, P. - MARES, J.J. Vibration Forms in the Vicinity of Glass Transition, Structural Changes and the Creation of Voids When Assuming the Role of Polarizability. In GLASSY, AMORPHOUS AND NAN-CRYSTALLINE MATERIALS: THERMAL PHYSICS, ANALYSIS, STRUCTURE AND PROPERTIES. 2011, vol. 8, p. 41-58., WOS

[1.1] WINBERG, P. - ELDRUP, M. - MAURER, F.H.J. Free volume dilatation in polymers by ortho-positronium. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, JUN 28 2012, vol. 136, no. 24., WOS

- ADCA38 BARTOŠ, Josef - MAJERNÍK, V. - ISKROVÁ, Martina - ŠAUŠA, Ondrej - KRIŠTIÁK, 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. (1.252 - IF2009). (2010 - Current Contents, SCOPUS). ISSN 0022-3093.

Ohlasy:

[1.1] NGAI, K.L. - HABASAKI, J. An alternative explanation of the change in T-dependence of the effective Debye-Waller factor at T-c or T-B. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, SEP 21 2014, vol. 141, no. 11., WOS

[1.1] ROUSSENOVA, M. - ALAM, M.A. - TOWNROW, S. - KILBURN, D. - SOKOL, P.E. - GUILLET-NICOLAS, R. - KLEITZ, F. A nano-scale free volume perspective on the glass transition of supercooled water in confinement. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, OCT 20 2014, vol. 16., WOS

[1.1] WU, X.B. - LIU, C.S. - NGAI, K.L. Origin of the crossover in dynamics of the sub-Rouse modes at the same temperature as the structural alpha-relaxation in polymers. In *SOFT MATTER*. ISSN 1744-683X, 2014, vol. 10, no. 46, p. 9324-9333., WOS

ADCA39 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, art.no.164507 p.1-10. (2.921 - IF2010). (2011 - Current Contents). ISSN 0021-9606.

Ohlasy:

[1.1] NGAI, K.L. - HABASAKI, J. An alternative explanation of the change in T-dependence of the effective Debye-Waller factor at T-c or T-B. In *JOURNAL OF CHEMICAL PHYSICS*. ISSN 0021-9606, SEP 21 2014, vol. 141, no. 11., WOS

[1.1] ROUSSENOVA, M. - ALAM, M.A. - TOWNROW, S. - KILBURN, D. - SOKOL, P.E. - GUILLET-NICOLAS, R. - KLEITZ, F. A nano-scale free volume perspective on the glass transition of supercooled water in confinement. In *NEW JOURNAL OF PHYSICS*. ISSN 1367-2630, OCT 20 2014, vol. 16., WOS

[1.1] WU, X.B. - LIU, C.S. - NGAI, K.L. Origin of the crossover in dynamics of the sub-Rouse modes at the same temperature as the structural alpha-relaxation in polymers. In *SOFT MATTER*. ISSN 1744-683X, 2014, vol. 10, no. 46, p. 9324-9333., WOS

ADCA40 BARTOŠ, Josef - ISKROVÁ - MIKLOŠOVIČOVÁ, Martina - 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, art.no.155104. (2.546 - IF2011). (2012 - Current Contents, WOS, SCOPUS). ISSN 0953-8984.

Ohlasy:

[1.1] DRYZEK, E. - JUSZYNSKA, E. - ZALESKI, R. - JASINSKA, B. - GORGOL, M. - MASSALSKA-ARODZ, M. Positron annihilation studies of 4-n-butyl-4'-isothiocyanato-1,1'-biphenyl. In *PHYSICAL REVIEW E*. ISSN 1539-3755, AUG 19 2013, vol. 88, no. 2., WOS

ADCA41 BARTOŠ, Josef - ŠAUŠA, Ondrej - RAČKO, Dušan - KRIŠTIK, 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. (1.433 - IF2004). (2005 - Current Contents, SCOPUS). ISSN 0022-3093.

Ohlasy:

[1.1] NGAI, K. L. - HABASAKI, J. An alternative explanation of the change in T-dependence of the effective Debye-Waller factor at T-c or T-B. In *JOURNAL OF CHEMICAL PHYSICS*. ISSN 0021-9606, 2014, vol. 141, no. 11, 114502., WOS

[1.1] OTTOCHIAN, A. - LEPORINI, D. Scaling between structural relaxation and caged dynamics in Ca_{0.4}K_{0.6}(NO₃)(1.4) and glycerol: free

volume, time-scales and implications for pressure-energy correlations. In PHILOSOPHICAL MAGAZINE. ISSN 1478-6435, 2011, vol. 91, no. 13-15, SI, p. 1786-1795., WOS

[1.1] WU, Xuebang - LIU, C. S. - NGAI, K. L. Origin of the crossover in dynamics of the sub-Rouse modes at the same temperature as the structural alpha-relaxation in polymers. In SOFT MATTER. ISSN 1744-683X, 2014, vol. 10, no. 46, pp. 9324., WOS

[1.2] ROUSSENOVA, M.- ALAM, M.A.- TOWNROW, S.- KILBURN, D.- SOKOL, P.E.-GUILLET-NICOLAS, R.- KLEITZ, F. A nano-scale free volume perspective on the glass transition of supercooled water in confinement. (2014) New Journal of Physics, 16, art. no. 103030, DOI: 10.1088/1367-2630/16/10/103030, Scopus

ADCA42 BARTOŠ, Josef - ISKROVÁ, Martina - KOHLER, M. - WEHN, R. - ŠAUŠA, Ondrej - LUNKENHEIMER, P. - KRIŠTIK, 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. (2.096 - IF2010). (2011 - Current Contents, WOS, SCOPUS). ISSN 1292-8941.

Ohlasy:

[1.2] RICHERT, R. Supercooled Liquids and Glasses by Dielectric Relaxation Spectroscopy. (2014) *Advances in Chemical Physics*, 156, p. 101-195. DOI: 10.1002/9781118949702.ch4, Scopus

ADCA43 BARTOŠ, J. - URBAN, J. - MACH, P. - KRIŠTIK, Jozef. Free volume from PALS and atomistic simulations: The OTP case. In *Materials Science Forum*, 2001, vol. 363, p. 294-296. (0.597 - IF2000). ISSN 0255-5476.

Ohlasy:

[1.1] ULICNY, Ferdinand. The Ethnonyms: Sklavoi, Sclavi, Slovieni, Slovaks, Slovakia. In *HISTORICKY CASOPIS*. ISSN 0018-2575, 2012, vol. 60, no. 2, pp. 301., WOS

ADCA44 BARUFFA, F. - STAŇO, 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. (3.475 - IF2009). (2010 - Current Contents, WOS, SCOPUS). ISSN 1098-0121.

Ohlasy:

[1.1] GREILICH, A. - BADESCU, S. C. - KIM, D. - BRACKER, A. S. - GAMMON, D. Optical Measurement and Modeling of Interactions between Two Hole Spins or Two Electron Spins in Coupled InAs Quantum Dots. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2013, vol. 110, no. 11, 117402., WOS

[1.1] MEHL, Sebastian - DIVINCENZO, David P. Inverted singlet-triplet qubit coded on a two-electron double quantum dot. In *PHYSICAL REVIEW B*. ISSN 1098-0121, 2014, vol. 90, no. 19, 195424., WOS

[1.1] VILLAVICENCIO, J. - MALDONADO, I. - COTA, E. - PLATERO, G. Spin-orbit effects in a triple quantum dot shuttle. In *PHYSICAL REVIEW B*. ISSN 1098-0121, 2013, vol. 88, no. 24, 245305., WOS

ADCA45 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. (7.328 - IF2009). (2010 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Ohlasy:

[1.1] GONG LIANG - SHU YONG-CHUN - XU JING-JUN - WANG ZHAN-GUO. Numerical computation of pyramidal quantum dots with band non-parabolicity. In SUPERLATTICES AND MICROSTRUCTURES. ISSN 0749-6036, 2013, vol. 61, no., pp. 81., WOS

[1.1] GREILICH, A. - BADESCU, S. C. - KIM, D. - BRACKER, A. S. - GAMMON, D. Optical Measurement and Modeling of Interactions between Two Hole Spins or Two Electron Spins in Coupled InAs Quantum Dots. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2013, vol. 110, no. 11, 117402., WOS

[1.1] LI, Rui - YOU, J. Q. Anisotropic exchange coupling in a nanowire double quantum dot with strong spin-orbit coupling. In PHYSICAL REVIEW B. ISSN 1098-0121, 2014, vol. 90, no. 3, 035303., WOS

[1.1] MEHL, Sebastian - DIVINCENZO, David P. Inverted singlet-triplet qubit coded on a two-electron double quantum dot. In PHYSICAL REVIEW B. ISSN 1098-0121, 2014, vol. 90, no. 19, 195424., WOS

[1.1] STAVROU, V. N. - VEROPOULOS, G. P. Significance of an external magnetic field on two-phonon processes in gated lateral semiconductor quantum dots. In SOLID STATE COMMUNICATIONS. ISSN 0038-1098, 2014, vol. 191, pp. 10-13., WOS

[1.1] XIAO, Jing-Lin. Electric Field Effect on State Energies and Transition Frequency of a Strong-Coupling Polaron in an Asymmetric Quantum Dot. In JOURNAL OF LOW TEMPERATURE PHYSICS. ISSN 0022-2291, 2013, vol. 172, no. 1-2, pp. 122., WOS

ADCA46 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. (1.208 - IF1995). (1996 - Current Contents, WOS, SCOPUS). ISSN 0304-8853.

Ohlasy:

[1.1] BERON, Fanny - DE OLIVEIRA, Luiz A. S. - KNOBEL, Marcelo - PIROTA, Kleber R. A novel method for identifying the local magnetic viscosity process of heterogeneous magnetic nanostructures. In JOURNAL OF PHYSICS D-APPLIED PHYSICS. ISSN 0022-3727, 2013, vol. 46, no. 4, 045003., WOS

ADCA47 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.

Ohlasy:

[1.1] FARUQUE, M. R. I. - ISLAM, M. T. - MISRAN, N. Electromagnetic (EM) absorption reduction in a muscle cube with metamaterial attachment. In MEDICAL ENGINEERING & PHYSICS, 2011, vol.33, no.5, 646., WOS

[1.1] FARUQUE, M. R. I. - ISLAM, M. T. - MISRAN, N. Analysis of Electromagnetic Absorption in Mobile Phones Using Metamaterials. In ELECTROMAGNETICS, 2011, vol.31, no.3, 215., WOS

[1.1] CHENG, Zhengze - CHENG, Yongzhi. EXPERIMENTAL DEMONSTRATION OF LEFT-HANDED TRANSMISSION PROPERTIES OF

- METAMATERIALS BASED ON SPLIT-RING PAIRS. In MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, 2011, vol.53, no.3, 615., WOS
- [1.1] ISLAM, M. T. - FARUQUE, M. R. I. - MISRAN, N. SAR reduction in a muscle cube with metamaterial attachment. In APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING, 2011, vol.103, no.2, 367., WOS
- [1.1] LI, Min-Hua - YANG, He-Lin - TIAN, Yan - HOU, Dong-Yun. Dual bands of negative refractive indexes in the planar left-handed metamaterials. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, 2011, vol.323, no.5, 607., WOS
- [1.1] ZHANG, Beibei - KHURGIN, Jacob B. Eigen mode approach to the sub-wavelength imaging with surface plasmon polaritons. In APPLIED PHYSICS LETTERS, 2011, vol.98, no.26., WOS
- [1.2] FARUQUE, M.R.I. - ISLAM, M.T. - MISRAN, N. Design analysis of new metamaterial for EM absorption reduction. In Progress in Electromagnetics Research, 2012, 124, pp. 119-135., SCOPUS
- [1.2] GONG, B. - ZHAO, X. Three-dimensional isotropic metamaterial consisting of domain-structure. In Physica B: Condensed Matter, 2012, 407, 6, pp. 1034-1037., SCOPUS
- [1.2] GUO, L.-Y. - YANG, H.-L. - LI, M.-H. - GAO, C.-S. - TIAN, Y. A microstrip antenna with single square ring structured left-handed metamaterial. In Wuli Xuebao/Acta Physica Sinica, 2012, vol. 61, no. 1, 014102., SCOPUS
- [1.2] KUMAR, A. - MISHRA, A.K. Anomalous self-steepening, temporal pulse splitting and ring formation in a left-handed metamaterial with cubic nonlinearity. In Journal of the Optical Society of America B: Optical Physics, 2012, 29, 6, pp. 1330-1337., SCOPUS
- [1.2] SHA, X.W. - ECONOMOU, E.N. - PAPACONSTANTOPOULOS, D.A. - PEDERSON, M.R. - MEHL, M.J. - KAFESAKI, M. Possible molecular bottom-up approach to optical metamaterials. In Physical Review B Condensed Matter and Materials Physics, 2012, vol. 86, no. 11, pp. 115404, SCOPUS
- [1.2] WANG, H. - SHEPPARD, C.J.R. - RAVI, K. - HO, S.T. - VIENNE, G. Fighting against diffraction: Apodization and near field diffraction structures. In Laser and Photonics Reviews, 2012, 6, 3, pp. 354-392., SCOPUS
- [1.2] WATTS, C.M. - LIU, X. - PADILLA, W.J. Metamaterial electromagnetic wave absorbers. In Advanced Materials, 2012, 24, 23, pp. OP98-OP120., SCOPUS

ADCA48 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. (3.416 - IF2010). (2011 - Current Contents). ISSN 0556-2813.

Ohlasy:

- [1.1] ANANTHANARAYAN, B. - CAPRINI, Irinel - IMSONG, I. Sentitemsu. Implications of the recent high statistics determination of the pion electromagnetic form factor in the timelike region. In PHYSICAL REVIEW D, 2011, vol.83, no.9, 096002., WOS
- [1.1] ANANTHANARAYAN, B. - CAPRINI, Irinel - IMSONG, I. Sentitemsu. Spacelike pion form factor from analytic continuation and the onset of perturbative QCD. In PHYSICAL REVIEW D. ISSN 1550-7998, 2012, vol. 85, no. 9, 096006., WOS

- [1.1] BALAKIREVA, Irina - LUCHA, Wolfgang - MELIKHOV, Dmitri. Accuracy of the pion elastic form factor extracted from a local-duality sum rule. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2012, vol. 39, no. 5, 055007., WOS
- [1.1] DOROKHOV, A. E. Pion form factors and decays. In NUCLEAR PHYSICS B-PROCEEDINGS SUPPLEMENTS, 2011, vol.219, p. 217-224., WOS
- [1.1] GENG, Chao-Qiang - LIH, Chong-Chung. Pesudoscalar transition form factors within the light-front quark model. In PHYSICAL REVIEW C. ISSN 0556-2813, 2012, vol. 86, no. 3, 038201., WOS
- [1.1] LIH, Chong-Chung - GENG, Chao-Qiang. $\pi(0) \rightarrow \gamma \gamma$ transition form factor within the light-front quark model. In PHYSICAL REVIEW C. ISSN 0556-2813, 2012, vol. 85, no. 1, 018201., WOS

ADCA49 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. (2005 - Current Contents, SCOPUS). ISSN 1063-651-X.

Ohlasy:

- [1.1] FLOUDAS, G. - PALUCH, M. - GRZYBOWSKI, A. - NGAI, K.L. Models of Temperature-Pressure Dependence of Structural Relaxation Time. In MOLECULAR DYNAMICS OF GLASS-FORMING SYSTEMS: EFFECTS OF PRESSURE. ISSN 2190-930X, 2011, p. 67-88., WOS
- [1.1] INGRAM, M.D. - IMRIE, C.T. New insights from variable-temperature and variable-pressure studies into coupling and decoupling processes for ion transport in polymer electrolytes and glasses. In SOLID STATE IONICS. ISSN 0167-2738, AUG 11 2011, vol. 196, no. 1, p. 9-17., WOS
- [1.1] RACKO, D. On the relationship of the relative intensity I_3 and a cavity number as obtained from computer simulations. In MATERIALS SCIENCE FORUM, 2013, vol. 733, pp. 183-189., WOS
- [1.1] WANG, Yi-zhen - CHEN, Lan - WANG, Hai-yan - ZHANG, X. Frank - FU, Jun - XIONG, Xiao-min - ZHANG, Jin-xiu. Development of "fragility" in relaxor ferroelectrics. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2014, vol. 115, no. 5, 054106., WOS
- [1.1] WINBERG, P. - ELDRUP, M. - MAURER, F. H. J. Free volume dilatation in polymers by ortho-positronium. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, JUN 28 2012, vol. 136, no. 24., WOS

ADCA50 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.

Ohlasy:

- [1.1] GAO, Y.F. - WANG, L. - BEI, H. - NIEH, T.G. On the shear-band direction in metallic glasses. In ACTA MATERIALIA. JUN 2011, vol. 59, no. 10, p. 4159-4167., WOS
- [1.1] QU, R.T. - ECKERT, J. - ZHANG, Z.F. Tensile fracture criterion of metallic glass. In JOURNAL OF APPLIED PHYSICS. APR 15 2011, vol. 109, no. 8. Art. no. 083544, WOS

ADCA51 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. (0.852 - IF1996). (1997
- Current Contents, WOS, SCOPUS). ISSN 0921-5093.

Ohlasy:

[1.1] MOGILNY, G. S. - SHANINA, B. D. - MASLOV, V. V. - NOSENKO,
V. K. - SHEVCHENKO, A. D. - GAVRILJUK, V. G. Structure and magnetic
anisotropy of rapidly quenched FeSiB ribbons. In JOURNAL OF
NON-CRYSTALLINE SOLIDS, 2011, vol.357, no.16-17, 3237., WOS

ADCA52 BENKOVIČOVÁ, Monika - VÉGSO, Karol - ŠIFFALOVIČ, Peter - JERGEL,
Matej - LUBY, Štefan - MAJKOVÁ, Eva. Preparation of gold nanoparticles for
plasmonic applications. In *Thin Solid Films*, 2013, vol. 543, p. 138-141. (1.604 -
IF2012). (2013 - Current Contents). ISSN 0040-6090.

Ohlasy:

[1.1] KHAN, A. K. - RASHID, R. - MURTAZA, G. - ZAHRA, A. Gold
Nanoparticles: Synthesis and Applications in Drug Delivery. In TROPICAL
JOURNAL OF PHARMACEUTICAL RESEARCH. ISSN 1596-5996, 2014,
vol. 13, no. 7, pp. 1169-1177., WOS

ADCA53 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. (2006 - Current Contents,
SCOPUS). ISSN 1050-2947.

Ohlasy:

[1.1] BAGAN, E. - MUNOZ-TAPIA, R. - OLIVARES-RENTERIA, G. A. -
BERGOU, J. A. Optimal discrimination of quantum states with a fixed rate of
inconclusive outcomes. In PHYSICAL REVIEW A. ISSN 1050-2947, 2012, vol.
86, no. 4, 040303., WOS

[1.1] COLIN, A. J. T. Programmed discrimination of multiple sets of qbits
with added classical information. In EUROPEAN PHYSICAL JOURNAL D.
ISSN 1434-6060, 2012, vol. 66, no. 7, 185., WOS

[1.1] COLIN, A. J. T. - BARNETT, S. M. - JEFFERS, J. Programmed
discrimination of qbits with added classical information. In EUROPEAN
PHYSICAL JOURNAL D, 2011, vol.63, no.3, 463., WOS

[1.1] CHEN LIBING - LU HONG. Nonlocal unambiguous discrimination
among N nonorthogonal qudit states lying in a higher-dimensional Hilbert space.
In SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY. ISSN
1674-7348, 2012, vol. 55, no. 1, pp. 55., WOS

[1.1] CHEN, Libing - LU, Hong. A Simplified Quantum Logic Network for
Unambiguous Discrimination of Two Nonlocal and Unknown Pure Qubit States.
In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2011,
vol.50, no.2, 548., WOS

[1.1] LI, Lvjun. Bounds on unambiguous discrimination between quantum
states. In PHYSICAL REVIEW A. ISSN 1050-2947, 2012, vol. 86, no. 3,
032320., WOS

[1.1] ZHANG, Ming - LIN, Min - SCHIRMER, S. G. - DAI, Hong-Yi -
ZHOU, Zongtan - HU, Dewen. On the role of a priori knowledge in the

optimization of quantum information processing. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2012, vol. 11, no. 3, pp. 639., WOS

[1.1] ZHOU, Tao - CUI, Jing Xin - WU, Xiaohua - LONG, Gui Lu. MULTICOPY PROGRAMMABLE DISCRIMINATORS BETWEEN TWO UNKNOWN QUBIT STATES WITH GROUP-THEORETIC APPROACH. In QUANTUM INFORMATION & COMPUTATION. ISSN 1533-7146, 2012, vol. 12, no. 11-12, pp. 1017., WOS

[1.1] ZHOU, Tao. Success probabilities for universal unambiguous discriminators between unknown pure states. In PHYSICAL REVIEW A. ISSN 1050-2947, 2014, vol. 89, no. 1, 014301., WOS

[1.1] ZHOU, Tao. Unambiguous discrimination between two unknown qudit states. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2012, vol. 11, no. 6, pp. 1669., WOS

ADCA54 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. (1.857 - IF2012). (2013 - Current Contents). ISSN 0966-9795.

Ohlasy:

[1.1] BERTHOLD, Rico. Crystal structure and phase stability of the Phi phase in the Al-Mg-Zn system (vol 32, pg 259, 2013). In INTERMETALLICS. ISSN 0966-9795, 2013, vol. 36, pp. 138., WOS

[1.1] SAMUHA, Shmuel - KRIMER, Yaakov - MESHI, Louisa. Strategies for full structure solution of intermetallic compounds using precession electron diffraction zonal data. In JOURNAL OF APPLIED CRYSTALLOGRAPHY. ISSN 0021-8898, 2014, vol. 47, pp. 1032., WOS

ADCA55 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, 03, 019. ISSN 1126-6708.

Ohlasy:

[1.2] CHERNODUB, M.N. - NAKAMURA, A. - ZAKHAROV, V.I. Deconfinement phase transition in mirror of symmetries. In Proceedings of the Steklov Institute of Mathematics, 2011, vol.272, no.1, p. 75-87., SCOPUS

ADCA56 BĚTÁK, Emil - RURARZ, Edward - MIKOLAJEWSKI, Stefan - WOJTKOWSKA, Jolanta. A new method of pure ¹¹¹In production by proton-induced nuclear reactions with enriched ¹¹²Sn. In *Nukleonika*, 2007, vol. 52, no. 1, p. 17-27.

Ohlasy:

[1.1] YARMOHAMMADI, M.-HAMID, R.-ABOUDZADEH, M.R. In JOURNAL OF THE INDIAN CHEMICAL SOCIETY, 2014, vol. 91, no. 7, pp. 1283-1287., WOS

[1.1] YARMOHAMMADI, M.- MIRZAI, M.- SADEGHI, M. Chemical separation of enriched cadmium target from copper backing in cyclotron production of radioisotope ¹¹¹In. In JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY, 2013, vol. 295, no. 2, p. 987-990., WOS

ADCA57 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 ^{112}Sn targets with reference to ^{111}In production via radioisotope generator ^{112}Sn ($n, 2n$) ^{111}Sn - ^{111}In . In *Radiochimica Acta*, 2005, vol. 93, no. 6, p. 311-326.

Ohlasy:

[1.1] AYDIN, A.-SAHAN, M.-TEL, E.-SAHAN, H.-UGUR, F.A. In JOURNAL OF FUSION ENERGY, 2011, vol. 30, p. 294-300., WOS

[1.1] BOLUKDEMIR, M.H.-TEL, E.-AYDIN, A.-OKUDUCU, S.-KAPLAN, A. In PHYSICS OF ATOMIC NUCLEI, 2011, vol. 74, p. 209-215., WOS

[1.1] LAHIRI, S.- MAITI, M.- GHOSH, K. Production and separation of ^{111}In . In JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY, 2013, vol. 297, no. 3, p. 309-318., WOS

[1.1] LALREMRUCHA, B.-OTUKA, N.-TAMBAVE, G.J. Systematic study of (n, p) reaction cross sections. In PHYSICAL REVIEW C, 2012, vol. 85, no. 2, 024624., WOS

[1.1] PU, Z.S.-FAN, K.K.-SONG, G.Q. In CHINESE PHYSICS C, 2011, vol. 35, p. 445-448., WOS

[1.1] PU, Z.S.-SONG, G.Q.-FAN, K.K.-YANG, P. In JOURNAL OF RADIOANALYTICAL NUCLEAR CHEMISTRY, 2011, vol. 288 p. 507-510., WOS

[1.1] TEL, E.-EFIL, A.-ULUER, I.-AYDIN, A.-SAHAN, M. In JOURNAL OF FUSION ENERGY, 2011, vol. 30, p. 421-427., WOS

[1.1] TEL, E.-SAHAN, M.-AYDIN, A.-BOLUKDEMIR, M.-SAHAN, H.-UGUR, F.A. In JOURNAL FUSION ENERGY, 2011, vol. 30, p. 26-33., WOS

[1.1] TEL, E.-SAHAN, M.-UGUR, F.A.-SAHAN, H.-AYDIN, A. In KERNTECHNIK, 2011, vol. 76, p. 136-141., WOS

[1.1] YIGIT, M.- TEL, E. Cross section systematics of (d, p) reactions at 8.5 MeV. In NUCLEAR ENGINEERING AND DESIGN, 2014, vol. 280, pp. 37-41., WOS

ADCA58 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] SAHAN, M. - TEL, E. - AYDIN, A. - YEGINGIL, İlhami.

Investigation of Some Stellar Iron Group Fusion Materials for (n, p) Reactions. In JOURNAL OF FUSION ENERGY. ISSN 0164-0313, 2012, vol. 31, no. 1, pp. 52-64., WOS

ADCA59 BĚTÁK, Emil - KOPECKY, J. - CVELBAR, F. Another possible manifestation of the energy-dependent width of the giant-dipole resonance. In *Physical Review C. Nuclear physics*, 1992, vol. 46, no. 3, p. 945-951. ISSN 0556-2813.

Ohlasy:

[1.1] BROWNE, E. - TULI, J. K. Nuclear Data Sheets for $A=143$. In

NUCLEAR DATA SHEETS. ISSN 0090-3752, 2012, vol. 113, no. 3, pp. 715-908., WOS

[1.1] COOPER, N. - REICHEL, F. - WERNER, V. - BETTERMANN, L. - ALIKHANI, B. - ASLANIDOU, S. - BAUER, C. - COQUARD, L. - FRITZSCHE, M. - FRITZSCHE, Y. - GLORIUS, J. - GODDARD, P. M. - MOELLER, T. - PIETRALLA, N. - REESE, M. - ROMIG, C. - SAVRAN, D. - SCHNORRENBERGER, L. - SIEBENHUEHNER, F. - SIMON, V. V. - SONNABEND, K. - SMITH, M. K. - WALZ, C. - YATES, S. W. - YEVETSKA, O. - ZWEIDINGER, M. Photoresponse of Se-76 below 9 MeV. In PHYSICAL REVIEW C. ISSN 0556-2813, 2012, vol. 86, no. 3, 034313., WOS

[1.1] DAOUTIDIS, I. - RING, P. Relativistic continuum quasiparticle random-phase approximation in spherical nuclei. In Physical Review C Nuclear Physics, 2011, vol.83, no.4, 044303., WOS

ADCA60 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. (1.854 - IF2000). ISSN 0375-9474.

Ohlasy:

[1.1] SATHEESH, B.-MUSTHAFA, M.M.-SINGH, B.P.-PRASAD, R. Study of isomeric cross-section ration and pre-equilibrium fraction in proton. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E, 2012, vol. 21, no. 6 1250059., WOS

ADCA61 BĚTÁK, Emil - RURARZ, E. - MIKOLAJEWSKI, S. - WOJTKOWSKA, J. New method of pure 111 In production by proton-induced nuclear reactions with enriched 112 Sn. In *Nukleonika*, 2007, vol. 52, p. 17-27. ISSN 0029-5922.

Ohlasy:

[1.1] YARMOHAMMADI, M.- ZOLATA, H.R.- SADEGHI, M. In J. IND. CHEM. SOC., 2014, vol. 91, pp. 1283., WOS

ADCA62 BĚTÁK, Emil. Program for spectra and cross-section calculations within the pre-equilibrium model of nuclear reactions. In *Computer Physics Communications*, 1975, vol. 9, p. 92-101. ISSN 0010-4655.

Ohlasy:

[1.1] AYTEKIN H.-BALDIK R. In ANNALS OF NUCLEAR ENERGY, 2013, vol. 53, p. 439., WOS

ADCA63 BĚTÁK, Emil - DOBEŠ, J. The finite depth of the nuclear potential well in the exciton model of pre-equilibrium decay. In *Zeitschrift für Physik A. Hadrons and nuclei*, 1976, vol. 279, p. 319-324. ISSN 0939-7922.

Ohlasy:

[1.1] JEREMIAH, J.S.- SUCHIANG, D.- JYRWA, B.M. In ANNALS OF NUCLEAR ENERGY, 2013, vol. 56, p. 44., WOS

[1.1] JEREMIH, J.J.-SUCHIANG, D.-JYRWA, B.M. In AN. NUCL. ENG., 2012, vol. 43, pp. 208., WOS

[1.1] KUNIEDA, S. In PHYSICAL REVIEW C, 2012, vol. 85, 054602., WOS

[1.1] KUNIEDA, S.-KAWANO, T.-CHADWICK, M.B. In EPJ Web Conf, 2012, vol. 21, 09003., WOS

- ADCA64 BILGICI, E. - DANZER, J. - GATTRINGER, Ch. - LANG, C.B. - LIPTÁK, Ľudovít. Canonical fermion determinants in lattice QCD- numerical evaluation and properties. In *Physics Letters B*, 2011, vol. 697, p. 85-89. (5.255 - IF2010). (2011 - Current Contents, WOS, SCOPUS). ISSN 0370-2693.
- Ohlasy:
- [1.1] BLOCH, Jacques - BRUCKMANN, Falk - KIEBURG, Mario - SPLITTORFF, K. - VERBAARSCHOT, J. J. M. Subsets of configurations and canonical partition functions. In *PHYSICAL REVIEW D*. ISSN 1550-7998, 2013, vol. 87, no. 3, 034510., WOS
- [1.1] LI, A.- ALEXANDRU, A.- LIU, K.-F. In *PHYSICAL REVIEW D*, 2011, vol. 84, 071503., WOS
- [3.1] D'ELIA, M. Lattice with purely imaginary sources at zero and non-zero temperature. In *PROC. SCI. LATTICE 2014* (2014), 020.
- ADCA65 BISIO, A. - D' ARIANO, G.M. - PERINOTTI, P. - SEDLÁK, Michal. Cloning of a quantum measurement. In *Physical Review A*, 2011, vol. 84, 042330. (2.861 - IF2010). (2011 - Current Contents). ISSN 1050-2947.
- Ohlasy:
- [1.1] CHIRIBELLA, Giulio - TOIGO, Alessandro - UMANITA, Veronica. Normal Completely Positive Maps on the Space of Quantum Operations. In *OPEN SYSTEMS & INFORMATION DYNAMICS*. ISSN 1230-1612, 2013, vol. 20, no. 1, 1350003., WOS
- [1.1] JENCOVA, Anna. Extremal generalized quantum measurements. In *LINEAR ALGEBRA AND ITS APPLICATIONS*. ISSN 0024-3795, 2013, vol. 439, no. 12, pp. 4070., WOS
- ADCA66 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. (2.878 - IF2011). (2012 - Current Contents). ISSN 1050-2947.
- Ohlasy:
- [1.1] JENCOVA, Anna. Extremal generalized quantum measurements. In *LINEAR ALGEBRA AND ITS APPLICATIONS*. ISSN 0024-3795, 2013, vol. 439, no. 12, pp. 4070., WOS
- [1.1] KOŁODYŃSKI, Jan - DEMKOWICZ-DOBŹANSKI, Rafał. Efficient tools for quantum metrology with uncorrelated noise. In *NEW JOURNAL OF PHYSICS*. ISSN 1367-2630, 2013, vol. 15, 073043., WOS
- ADCA67 BISIO, A. - D' ARIANO, G.M. - PERINOTTI, P. - SEDLÁK, Michal. Quantum learning algorithms for quantum measurements. In *Physics Letters A*, 2011, vol. 375, p. 3425-3434. (1.963 - IF2010). (2011 - Current Contents). ISSN 0375-9601.
- Ohlasy:
- [1.1] CHIRIBELLA, Giulio - TOIGO, Alessandro - UMANITA, Veronica. Normal Completely Positive Maps on the Space of Quantum Operations. In *OPEN SYSTEMS & INFORMATION DYNAMICS*. ISSN 1230-1612, 2013, vol. 20, no. 1, 1350003., WOS
- [1.1] CHIRIBELLA, Giulio - TOIGO, Alessandro - UMANITA, Veronica - ACCARDI, L - FAGNOLA, F. COMPLETELY POSITIVE TRANSFORMATIONS OF QUANTUM OPERATIONS. In *QUANTUM*

PROBABILITY AND RELATED TOPICS. ISSN 1793-5121, 2013, vol. 29, pp. 43., WOS

[1.1] JENCOVA, Anna. Extremal generalized quantum measurements. In LINEAR ALGEBRA AND ITS APPLICATIONS. ISSN 0024-3795, 2013, vol. 439, no. 12, pp. 4070., WOS

ADCA68 BOHÁČ, Vlastimil - SHIROKOV, D.M. New computer iterative fitting program DVBS for backscattering analysis. In *Nuclear Instruments and Methods in Physical Research B*, 1994, vol. 84, no. 4, p. 497-506. (1.160 - IF1993). (1994 - Current Contents). ISSN 0168-583X.

Ohlasy:

[1.2] HORODEK, P. - HORODEK, P. - DRYZEK, J. - DRYZEK, J. - KOBETS, A. G. - KOBETS, A. G. - KULIK, M. - KULIK, M. - LOKHMATOV, V. I. - MESHKOV, I. N. - ORLOV, O. S. - PAVLOV, V. - RUDAKOV, A. Yu - SIDORIN, A. A. - SIEMEK, K. - YAKOVENKO, S. L. Slow positron beam studies of the stainless steel surface exposed to sandblasting. In *Acta Physica Polonica A*. ISSN 05874246, 2014-01-01, 125, 3, pp. 714-717., SCOPUS

ADCA69 BOHÁČ, Vlastimil - GUSTAVSSON, Mattias K. - KUBIČÁR, Ľudovít - GUSTAFSSON, Silas E. Parameter estimations for measurements of thermal transport properties. In *Review of Scientific Instruments*, 2000, vol. 71, no. 6, p. 2452-2455. (1.293 - IF1999). (2000 - Current Contents, SCOPUS). ISSN 0034-6748.

Ohlasy:

[1.1] AFRIYIE, Ebenezer Twumasi - KARAMI, Peyman - NORBERG, Peter - GUDMUNDSSON, Kjartan. Textural and thermal conductivity properties of a low density mesoporous silica material. In *ENERGY AND BUILDINGS*. ISSN 0378-7788, 2014, vol. 75, pp. 210., WOS

[1.1] ANTUNES, Marcelo - REALINHO, Vera - IGNACIO VELASCO, Jose - SOLORZANO, Eusebio - RODRIGUEZ-PEREZ, Miguel-Angel - ANTONIO DE SAJA, Jose. Thermal conductivity anisotropy in polypropylene foams prepared by supercritical CO2 dissolution. In *MATERIALS CHEMISTRY AND PHYSICS*. ISSN 0254-0584, 2012, vol. 136, no. 1, pp. 268., WOS

[1.1] BAHRANI, Seyed Amir - JANNOT, Yves - DEGIOVANNI, Alain. Extension and optimization of a three-layer method for the estimation of thermal conductivity of super-insulating materials. In *JOURNAL OF APPLIED PHYSICS*. ISSN 0021-8979, 2014, vol. 116, no. 14, 143509., WOS

[1.1] BATTAGLIA, J.L. - SABOUL, M. - PAILHES, J. - SACI, A. - KUSIAK, A. - FUDYM, O. Carbon epoxy composites thermal conductivity at 77 K and 300 K. In *JOURNAL OF APPLIED PHYSICS*. ISSN 0021-8979, 2014, vol. 115, no. 22, 223516., WOS

[1.1] COQUARD, R. - COMENT, E. - FLASQUIN, G. - BAILLIS, D. Analysis of the hot-disk technique applied to low-density insulating materials. In *INTERNATIONAL JOURNAL OF THERMAL SCIENCES*. ISSN 1290-0729, 2013, vol. 65, pp. 242., WOS

[1.1] CZEL, Balazs - WOODBURY, Keith A. - GROF, Gyula. Simultaneous estimation of temperature-dependent volumetric heat capacity and thermal conductivity functions via neural networks. In *INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER*. ISSN 0017-9310, 2014, vol. 68, pp. 1-13., WOS

- [1.1] HADI, Syamsul - NISHITANI, Mamoru - WIJAYANTA, Agung Tri - FUKUNAGA, Takanobu - KURATA, Kosaku - TAKAMATSU, Hiroshi. Contact measurement of thermal conductivity and thermal diffusivity of solid materials: Experimental validation of feasibility with a prototype sensor. In INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER. ISSN 0017-9310, 2014, vol. 69, pp. 256., WOS
- [1.1] HUANG, Congliang - FENG, Yanhui - ZHANG, Xinxin - WANG, Ge. THERMAL CONDUCTIVITY OF NANOPOROUS GLASS ALUMINA FILM AND COMPOSITES. In MODERN PHYSICS LETTERS B. ISSN 0217-9849, 2014, vol. 28, no. 3., WOS
- [1.1] KARAMI, Peyman - AFRIYIE, Ebenezer Twumasi - NORBERG, Peter - GUDMUNDSSON, Kjartan. A study of the thermal conductivity of granular silica materials for VIPs at different levels of gaseous pressure and external loads. In ENERGY AND BUILDINGS. ISSN 0378-7788, 2014, vol. 85, pp. 199-211., WOS
- [1.1] KOLE, Madhusree - TRIPATHI, D. - DEY, T. K. Percolation based enhancement in effective thermal conductivity of HDPE/LBSMO composites. In BULLETIN OF MATERIALS SCIENCE. ISSN 0250-4707, 2012, vol. 35, no. 4, pp. 601., WOS
- [1.1] MALINARIC, Svetozar - DIESKA, Peter - KRUPA, Peter. Modified Dynamic Plane Source Method for Measuring Thermophysical Parameters of Solids. In INTERNATIONAL JOURNAL OF THERMOPHYSICS. ISSN 0195-928X, 2012, vol. 33, no. 3, pp. 528., WOS
- [1.1] MALINARIC, Svetozar. Contribution to the Transient Plane Source Method for Measuring Thermophysical Properties of Solids. In INTERNATIONAL JOURNAL OF THERMOPHYSICS. ISSN 0195-928X, 2013, vol. 34, no. 10, pp. 1953., WOS
- [1.1] MA, Y. - GUSTAVSSON, J. S. - HAGLUND, A. - GUSTAVSSON, M. - GUSTAFSSON, S. E. Pulse transient hot strip technique adapted for slab sample geometry to study anisotropic thermal transport properties of μm -thin crystalline films. In REVIEW OF SCIENTIFIC INSTRUMENTS. ISSN 0034-6748, 2014, vol. 85, no. 4, 044903., WOS
- [1.1] NANDI, A. K. - DATTA, S. - ORKUS, J. Effective properties of particle reinforced polymeric mould material towards reducing cooling time in soft tooling process. In JOURNAL OF APPLIED POLYMER SCIENCE. ISSN 0021-8995, 2012, vol. 124, no. 3, pp. 2567., WOS
- [1.1] RAHMAN, M. - HAIDER, J. - AKTER, T. - HASHMI, M. S. J. - HASHMI, S. Techniques for Assessing the Properties of Advanced Ceramic Materials. In COMPREHENSIVE MATERIALS PROCESSING, VOL 1: ASSESSING PROPERTIES OF CONVENTIONAL AND SPECIALIZED MATERIALS, 2014, pp. 3-34., WOS
- [1.1] WARZOHA, Ronald J. - FLEISCHER, Amy S. Determining the thermal conductivity of liquids using the transient hot disk method. Part I: Establishing transient thermal-fluid constraints. In INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER. ISSN 0017-9310, 2014, vol. 71, pp. 779-789., WOS
- [1.1] WARZOHA, Ronald J. - FLEISCHER, Amy S. Improved heat recovery from paraffin-based phase change materials due to the presence of percolating graphene networks. In INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER. ISSN 0017-9310, 2014, vol. 79, pp. 314., WOS

- [1.1] WARZOHA, Ronald J. - FLEISCHER, Amy S. Effect of Graphene Layer Thickness and Mechanical Compliance on Interfacial Heat Flow and Thermal Conduction in Solid-Liquid Phase Change Materials. In ACS APPLIED MATERIALS & INTERFACES. ISSN 1944-8244, 2014, vol. 6, no. 15, pp. 12868., WOS
- [1.1] WARZOHA, Ronald J. - FLEISCHER, Amy S. Determining the thermal conductivity of liquids using the transient hot disk method. Part II: Establishing an accurate and repeatable experimental methodology. In INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER. ISSN 0017-9310, 2014, vol. 71, pp. 790., WOS
- [1.1] YU, Hang - NONN, Andreas - HEIDER, Dirk - ADVANI, Suresh. Model-based characterization and enhancement of the through-thickness thermal conductivity of polymer composites using infrared camera. In INTERNATIONAL JOURNAL OF THERMAL SCIENCES. ISSN 1290-0729, 2014, vol. 80, pp. 118., WOS
- [1.1] YU, H. - NONN, A. - HEIDER, D. - ADVANI, S. - BAKIS, CE. Modeling and Characterization of the Through-thickness Thermal Conductivity of Polymer Composites using Infrared Camera. In PROCEEDINGS OF THE AMERICAN SOCIETY FOR COMPOSITES, 2013., WOS
- [1.1] ZHANG, Hu - JIN, Yu - GU, Wei - LI, Zeng-Yao - TAO, Wen-Quan. A numerical study on the influence of insulating layer of the hot disk sensor on the thermal conductivity measuring accuracy. In PROGRESS IN COMPUTATIONAL FLUID DYNAMICS. ISSN 1468-4349, 2013, vol. 13, no. 3-4, pp. 191., WOS
- [1.1] ZHANG, Hu - LI, Ming-Jia - FANG, Wen-Zhen - DAN, Dan - LI, Zeng-Yao - TAO, Wen-Quan. A numerical study on the theoretical accuracy of film thermal conductivity using transient plane source method. In APPLIED THERMAL ENGINEERING. ISSN 1359-4311, 2014, vol. 72, no. 1, pp. 62., WOS
- [1.1] ZHU, Wen-kui - LIN, Hui - CAO, Yan - LI, Bin. Thermal properties measurement of cut tobacco based on TPS method and thermal conductivity model. In JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY. ISSN 1388-6150, 2014, vol. 116, no. 3, pp. 1117., WOS
- [1.2] ADAMS, T.N.G. - OLSON, T.R. - KING, J.A. - KEITH, J.M. In-plane thermal conductivity modeling of carbon-filled liquid crystal polymer-based resins. In Polymer Composites, 2011, vol.32, no.1, 147-157., SCOPUS
- [1.2] CONSTANTINESCU, D. - CONSTANTINESCU, M. - MARIN-PERIANU, C. - PETRAN, H. - PETCU, C. - CARACAS, A.-G. - ANGHEL, E.M. Principles and method of determining the thermal diffusivity of homogeneous and isotropic materials. In Revue Roumaine de Chimie, 2011, vol.56, no.10-11, 987-996., SCOPUS

ADCA70 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] ADELMANN, B. et al. Laser alloying nickel on 4H-silicon carbide substrate to generate ohmic contacts. In JOURNAL OF LASER MICRO NANOENGINEERING, 2013, VOL. 8, p. 97-101., WOS

ADCA71 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] ZHU, Wen-kui - LIN, Hui - CAO, Yan - LI, Bin. Thermal properties measurement of cut tobacco based on TPS method and thermal conductivity model. In *JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY*. ISSN 1388-6150, 2014, vol. 116, no. 3, pp. 1117-1123., WOS

ADCA72 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. (2.861 - IF2010). (2011 - Current Contents). ISSN 1050-2947.

Ohlasy:

[1.1] CAI, Xiao-Qiu - NIU, Hui-Fang. Quantum Private Communication with an Anonymous Sender. In *INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS*. ISSN 0020-7748, 2013, vol. 52, no. 2, pp. 411., WOS

[1.1] HUANG, Wei - WEN, Qiao-Yan - LIU, Bin - SU, Qi - QIN, Su-Juan - GAO, Fei. Quantum anonymous ranking. In *PHYSICAL REVIEW A*. ISSN 1050-2947, 2014, vol. 89, no. 3, 032325., WOS

[1.1] JIANG, Lang - HE, Guangqiang - NIE, Ding - XIONG, Jin - ZENG, Guihua. Quantum anonymous voting for continuous variables. In *PHYSICAL REVIEW A*. ISSN 1050-2947, 2012, vol. 85, no. 4., WOS

[1.1] LIU, Wenjie - LIU, Chao - WANG, Haibin - JIA, Tingting. Quantum Private Comparison: A Review. In *IETE TECHNICAL REVIEW*. ISSN 0256-4602, 2013, vol. 30, no. 5, pp. 439., WOS

[1.1] WANG, Qing-Le - SUN, Hong-Xiang - HUANG, Wei. Multi-party quantum private comparison protocol with n-level entangled states. In *QUANTUM INFORMATION PROCESSING*. ISSN 1570-0755, 2014, vol. 13, no. 11, pp. 2375., WOS

[1.1] ZHOU RUI-RUI - YANG LI. Quantum election scheme based on anonymous quantum key distribution. In *CHINESE PHYSICS B*. ISSN 1674-1056, 2012, vol. 21, no. 8, 080301., WOS

[1.1] ZHOU, Rui-Rui - YANG, Li - GONG, Q - GUO, GC - SHEN, YR. Quantum election based on distributed scheme. In *QUANTUM AND NONLINEAR OPTICS II*. ISSN 0277-786X, 2012, vol. 8554., WOS

[1.1] ZI, Wei - GUO, Fenzhuo - LUO, Yi - CAO, Shouhong - WEN, Qiaoyan. Quantum Private Comparison Protocol with the Random Rotation. In *INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS*. ISSN 0020-7748, 2013, vol. 52, no. 9, pp. 3212., WOS

ADCA73 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. (2.991 - IF2013). (2014 - Current Contents). ISSN 1050-2947.

Ohlasy:

[1.1] PUETZ, Gilles - ROSSET, Denis - BARNEA, Tomer Jack - LIANG,

Yeong-Cherng - GISIN, Nicolas. Arbitrarily Small Amount of Measurement Independence Is Sufficient to Manifest Quantum Nonlocality. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2014, vol. 113, no. 19, 190402., WOS

ADCA74 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.

Ohlasy:

[1.1] BASTOS, W. P. - CARDOSO, W. B. - AVELAR, A. T. - BASEIA, B. A note on entanglement swapping of atomic states through the photonic Faraday rotation. In QUANTUM INFORMATION PROCESSING, 2011, vol.10, no.3, 395., WOS

[1.1] LIN, Song - GUO, Gong-De - GAO, Fei - LIU, Xiao-Fen. QUANTUM KEY DISTRIBUTION: DEFEATING COLLECTIVE NOISE WITHOUT REDUCING EFFICIENCY. In QUANTUM INFORMATION & COMPUTATION. ISSN 1533-7146, 2014, vol. 14, no. 9-10, pp. 845., WOS

[1.1] LIN, Song - HUANG, Chaun - LIU, Xiao-Fen. Multi-user quantum key distribution based on Bell states with mutual authentication. In PHYSICA SCRIPTA. ISSN 0031-8949, 2013, vol. 87, no. 3, 035008., WOS

[1.1] LI, Zhao - ZHOU, Ping. PROBABILISTIC MULTIPARTY-CONTROLLED REMOTE PREPARATION OF AN ARBITRARY m-QUDIT STATE VIA POSITIVE OPERATOR-VALUED MEASUREMENT. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION. ISSN 0219-7499, 2012, vol. 10, no. 5, 1250062., WOS

ADCA75 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.

Ohlasy:

[1.1] CHURCH, Amber - KRIBS, David W. - PEREIRA, Rajesh - PLOSKER, Sarah. PRIVATE QUANTUM CHANNELS, CONDITIONAL EXPECTATIONS, AND TRACE VECTORS. In QUANTUM INFORMATION & COMPUTATION, 2011, vol.11, no.9-10, 774., WOS

ADCA76 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, 062308. (2.878 - IF2011). (2012 - Current Contents). ISSN 1050-2947.

Ohlasy:

[1.1] HUBER, Marcus - PAWLOWSKI, Marcin. Weak randomness in device-independent quantum key distribution and the advantage of using high-dimensional entanglement. In PHYSICAL REVIEW A. ISSN 1050-2947, 2013, vol. 88, no. 3, 032309., WOS

ADCA77 BRAGANTI, J.P. - HELD, O. - KUHNAST, F.A. - ILLEKOVA, Emilia. Kinetic study of isothermal crystallization in amorphous Al₃₃Ni₁₆Zr₅₁ produced. In *Thermochimica Acta*, 2000, vol. 362, p. 71-78. (0.880 - IF1999). (2000 - Current Contents).

Ohlasy:

[1.1] KHAYATI, Gholam Reza - JANGHORBAN, Kamal - SHARIAT, Mohamad Hosein. Isothermal kinetics of mechanochemically and thermally

synthesized Ag from Ag₂O. In TRANSACTIONS OF NONFERROUS METALS SOCIETY OF CHINA. ISSN 1003-6326, 2012, vol. 22, no. 4, pp. 935., WOS

[1.1] QIAO, J. C. - PELLETIER, J. M. Crystallization kinetics in Cu₄₆Zr₄₅Al₇Y₂ bulk metallic glass by differential scanning calorimetry (DSC). In JOURNAL OF NON-CRYSTALLINE SOLIDS, 2011, vol.357, no.14, 2590., WOS

[1.1] ROGER, J. - MAILLE, L. - DOURGES, M. A. Isothermal nitridation kinetics of TiSi₂ powders. In JOURNAL OF SOLID STATE CHEMISTRY. ISSN 0022-4596, 2014, vol. 212, pp. 134-140., WOS

ADCA78 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, 052313. (2.684 - IF2000). ISSN 1050-2947.

Ohlasy:

[1.1] CWIKLINSKI, P. Region of fidelities. In PHYSICS LETTERS A, 2012, vol. 376, pp. 2178., WOS

[1.1] FAN, H. et al. In PHYSICS REPORTS, 2014, vol. 544, no. 3, pp. 241., WOS

[1.1] GAO, G. In SCIENCE CHINA- PHYSICS ,MECHANICS AND ASTRONOMY, 2012, vol. 55, pp. 1422., WOS

[1.1] JAFOROV, E.I. In JOURNAL OF PHYSICS A, 2011, vol. 44, 355205., WOS

[1.1] JIANG, X.-X. et al. In LASER PHYSICS LETTERS, 2014, vol. 11, no. 12, 125202., WOS

[1.1] KENT, A. In NEW JOURNAL OF PHYSICS, 2011, vol. 13, 113015., WOS

[1.1] KENT, A. In QUANTUM INFORMATION PROCESSING, 2013, vol. 12, pp. 1023-1032., WOS

[1.1] LIU, X. et al. In PHYSICAL REVIEW A, 2014, vol. 90, no. 6, 062330., WOS

[1.1] LUO, M. In QUANTUM INFORMATION PROCESSING, 2013, vol. 12, pp. 3353-3367., WOS

[1.1] PANDEY, S. In PHYSICAL REVIEW A, 2013, vol. 88, 033852., WOS

[1.1] STUDZINSKI, M. et al. In PHYSICAL REVIEW A, 2014, vol. 89, 052322., WOS

[1.1] SU, Q.-P. In PROCESS OF THEORETICAL AND EXPERIMENTAL PHYSICS, 2013, no. 2, 023J01., WOS

[1.1] VASILE, R. In PHYSICAL REVIEW A, 2011, vol. 83, 042321., WOS

[1.1] XIAO, X. et al. In SCIENTIFIC REPORTS, 2014, VOL. 4, 7361., WOS

[1.1] YOSHIKAWA, J. In PHYSICAL REVIEW A, 2011, vol. 83, 052307., WOS

[1.1] ZHANG, G.-ZHOU, J.-XUE, Z.-Y. In CHINESE PHYSICS B, 2013, vol. 22, 040307., WOS

[1.1] ZHANG, Y.Q. One-step implementation of a multiqubit. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B, 2012, vol. 29, pp. 300., WOS

ADCA79 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. (7.370 - IF2011). (2012 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Ohlasy:

[1.1] ABGARYAN, V. S. Quantum entanglement and quantum phase transitions in anisotropic two- and three-particle spin-1 Heisenberg clusters. In JOURNAL OF CONTEMPORARY PHYSICS-ARMENIAN ACADEMY OF SCIENCES. ISSN 1068-3372, 2014, vol. 49, no. 6, pp. 249., WOS

[1.1] PYRKOV, Alexey N. - BYRNES, Tim. Quantum teleportation of spin coherent states: beyond continuous variables teleportation. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2014, vol. 16, 073038., WOS

ADCA80 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. (3.107 - IF2006). (2007 - Current Contents, WOS, SCOPUS). ISSN 1098-0121.

Ohlasy:

[1.1] MILNIKOV, Gennady - MORI, Nobuya. Universal conductance statistics in a backscattering model: Solving the Dorokhov-Mello-Pereyra-Kumar equation with $\beta=1, 2$, and 4. In PHYSICAL REVIEW B. ISSN 1098-0121, 2013, vol. 88, no. 15, 155406., WOS

ADCA81 BRNDIAR, Ján - MARKOŠ, Peter. Character of eigenstates of the three-dimensional disordered Hamiltonian. In *Physical Review B*, 2008, vol. 77, no. 11, 115131. (3.172 - IF2007). (2008 - Current Contents, WOS, SCOPUS). ISSN 1098-0121.

Ohlasy:

[1.1] SORIANO, David - ORTMANN, Frank - ROCHE, Stephan. Three-Dimensional Models of Topological Insulators: Engineering of Dirac Cones and Robustness of the Spin Texture. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2012, vol. 109, no. 26, 266805., WOS

[1.2] PRIOUR, D. J. Electronic states in one-, two-, and three-dimensional highly amorphous materials: A tight-binding treatment. In PHYSICAL REVIEW B, 2012, vol.85, no.1, 014209., WOS

ADCA82 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. (3.652 - IF2010). (2011 - Current Contents). ISSN 0957-4484.

Ohlasy:

[1.1] KHOMENKO, A. V. - PRODANOV, N. V. - PERSSON, B. N. J. Atomistic modelling of friction of Cu and Au nanoparticles adsorbed on graphene. In CONDENSED MATTER PHYSICS. ISSN 1607-324X, 2013, vol. 16, no. 3, 33401., WOS

[1.1] VANOSSI, Andrea - MANINI, Nicola - URBACH, Michael - ZAPPERI, Stefano - TOSATTI, Erio. Colloquium: Modeling friction: From nanoscale to mesoscale. In REVIEWS OF MODERN PHYSICS. ISSN 0034-6861, 2013, vol. 85, no. 2, pp. 529., WOS

[1.1] YANG, Jiarui - LIU, Ze - GREY, Francois - XU, Zhiping - LI, Xide -

LIU, Yilun - URBACH, Michael - CHENG, Yao - ZHENG, Quanshui.
Observation of High-Speed Microscale Superlubricity in Graphite. In
PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2013, vol. 110, no. 25,
255504., WOS
[1.2] POLYAKOV, B. - VLASSOV, S. - DOROGIN, L.M. - KULIS, P. -
KINK, I. - LOHMUS, R. The effect of substrate roughness on the static friction
of CuO nanowires. In Surface Science, 2012, vol.606, no.17-18, 1393-1399.,
SCOPUS

ADCA83 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.

Ohlasy:

[1.1] EKUMA, Chinedu E. - TERLETSKA, Hanna - MENG, Zi Yang -
MORENO, Juana - JARRELL, Mark - MAHMOUDIAN, Samiyeh -
DOBROSAVLJEVIC, Vladimir. Effective cluster typical medium theory for the
diagonal Anderson disorder model in one- and two-dimensions. In JOURNAL
OF PHYSICS-CONDENSED MATTER. ISSN 0953-8984, 2014, vol. 26, no. 27,
274209., WOS

[1.1] KHODJA, Abdellah - GEMMER, Jochen. Effect of short-range order
on transport in one-particle tight-binding models. In PHYSICAL REVIEW E.
ISSN 1539-3755, 2013, vol. 88, no. 4, 042103., WOS

[1.1] KHODJA, Abdellah - NIEMEYER, Hendrik - GEMMER, Jochen.
Transport in topologically disordered one-particle, tight-binding models. In
PHYSICAL REVIEW E. ISSN 1539-3755, 2013, vol. 87, no. 5, 052133., WOS

[1.1] KRICH, Jacob J. - ASPURU-GUZI, Alan. Scaling and Localization
Lengths of a Topologically Disordered System. In PHYSICAL REVIEW
LETTERS, 2011, vol.106, no.15, 156405., WOS

[1.1] MURPHY, N. C. - WORTIS, R. - ATKINSON, W. A. Generalized
inverse participation ratio as a possible measure of localization for interacting
systems. In PHYSICAL REVIEW B, 2011, vol.83, no.18, 184206., WOS

[1.1] SEPEHRINIA, Reza - SHEIKHAN, Ameneh. NUMERICAL
SIMULATION OF ANDERSON LOCALIZATION. In COMPUTING IN
SCIENCE & ENGINEERING, 2011, vol.13, no.3, 74-82., WOS

[1.1] SCHMIDTKE, Daniel - KHODJA, Abdellah - GEMMER, Jochen.
Transport in tight-binding bond percolation models. In PHYSICAL REVIEW E.
ISSN 1539-3755, 2014, vol. 90, no. 3, 032127., WOS

[1.1] SONG, Yun - SONG, Hongkang - FENG, Shiping. The effects of
disorder and interactions on the Anderson transition in doped graphene. In
JOURNAL OF PHYSICS-CONDENSED MATTER, 2011, vol.23, no.20,
205501., WOS

[1.2] CROYA, A. - CAIN, P. - SCHREIBER, M. The role of power-law
correlated disorder in the Anderson metal-insulator transition. In European
Physical Journal B, 2012, vol.85, no.5, 165., SCOPUS

ADCA84 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. (5.215 - IF2011). (2012 - Current
Contents). ISSN 1549-9618.

Ohlasy:

[1.1] DUBECKY, Matus - DERIAN, Rene - JURECKA, Petr - MITAS, Lubos - HOBZA, Pavel - OTYEPKA, Michal. Quantum Monte Carlo for noncovalent interactions: an efficient protocol attaining benchmark accuracy. In PHYSICAL CHEMISTRY CHEMICAL PHYSICS. ISSN 1463-9076, 2014, vol. 16, no. 38, pp. 20915-20923., WOS

[1.1] DUBECKY, Matus. QUANTUM MONTE CARLO FOR NONCOVALENT INTERACTIONS: A TUTORIAL REVIEW. In ACTA PHYSICA SLOVACA. ISSN 0323-0465, 2014, vol. 64, no. 5, pp. 501-575., WOS

ADCA85 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. ISSN 1478-6435.

Ohlasy:

[1.1] CHEN, P. H. - AVCHACHOV, K. - NORDLUND, K. - PUSSI, K. Molecular dynamics simulation of radiation damage in CaCd6 quasicrystal cubic approximant up to 10 keV. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2013, vol. 138, no. 23, 234505., WOS

ADCA86 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] RAJPUT, P. - GUPTA, A. - RAJAGOPALAN, S. - TYAGI, A.K. In AIP ADVANCES. MAR 2012, vol. 2, no. 1., WOS

ADCA87 BRUNNER, Róbert - PINČÍK, Emil - KOBAYASHI, H. - KUČERA, Michal - TAKAHASHI, M. - RUSNÁK, Jaroslav. On photoluminescence properties of a-Si:H-based structures. In *Applied Surface Science*, 2010, vol. 256, p. 5596-5601. (1.616 - IF2009). (2010 - Current Contents). ISSN 0169-4332.

Ohlasy:

[1.1] KHOMENKOVA, L. Analysis of PL spectrum shape of Si-based materials as a tool for determination of Si crystallites' distribution. In PHYSICA B-CONDENSED MATTER. NOV 15 2014, vol. 453, p. 19-25., WOS

ADCA88 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.

Ohlasy:

[1.1] BHAT, A. - BHARTI, A. - KHOSA, S. K. Projected shell model study of yrast bands in even-even Pd100-118 isotopes. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2012, vol. 48, no. 3, 39., WOS

[1.1] HE, C. Y. - YU, B. B. - ZHU, L. H. - WU, X. G. - ZHENG, Y. -

ZHANG, B. - YAO, S. H. - WANG, L. L. - LI, G. S. - HAO, X. - SHI, Y. - XU, C. - XU, F. R. - WANG, J. G. - GU, L. - ZHANG, M. Band structures in Pd-106. In PHYSICAL REVIEW C. ISSN 0556-2813, 2012, vol. 86, no. 4, 047302., WOS

[1.1] SMITH, A. G. - DURELL, J. L. - PHILLIPS, W. R. - URBAN, W. - SARRIGUREN, P. - AHMAD, I. Lifetime measurements and nuclear deformation in the A approximate to 100 region. In PHYSICAL REVIEW C. ISSN 0556-2813, 2012, vol. 86, no. 1, 014321., WOS

[1.1] WANG, Y. B. - RISSANEN, J. Collective properties of neutron-rich Ru, Pd, and Cd isotopes. In HYPERFINE INTERACTIONS. ISSN 0304-3843, 2014, vol. 223, no. 1-3, pp. 167., WOS

ADCA89 BUTVIN, Pavol - JANOŠEK, M. - RIPKA, P. - BUTVINOVÁ, Beata - ŠVEC, Peter - KUZMINSKI, M. - ŠVEC, Peter Jr. - JANIČKOVIČ, Dušan - VLASÁK, Gabriel. Field annealed cosed- path fluxgate sensors made of metallic-glass ribbons. In *Sensors and Actuators A*, 2012, vol. 184, p. 72-77. (3.898 - IF2011). (2012 - Current Contents). ISSN 0925-4005.

Ohlasy:

[1.1] BUTTA, M. - KRAUS, L. Stress-induced anisotropy in electroplated FeNi racetrack fluxgate cores. In IEEE TRANSACTIONS ON MAGNETICS, 2014, vol. 50, no. 4, 4003904., WOS

[1.1] LEI, J. In JOURNAL OF MICROMECHANICS AND MICROENGINEERINGS, 2013, VOL. 23, 095005., WOS

ADCA90 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. (1.704 - IF2007). (2008 - Current Contents, SCOPUS). ISSN 0304-8853.

Ohlasy:

[1.1] KLEIN, P. - VARGA, R. - VAZQUEZ, M. Stable and fast domain wall dynamics in nanocrystalline magnetic microwire. In JOURNAL OF ALLOYS AND COMPOUNDS, 2013, vol. 550, p. 31., WOS

[1.1] KLEIN, P. - VARGA, R. - VAZQUEZ, M. Stable and fast domain wall dynamics in nanocrystalline magnetic microwire. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2013, vol. 550, pp. 31-34., WOS

[1.1] KONG, L. H. - GAO, Y. L. - SONG, T. T. - ZHAI, Q. J. Structure and magnetic properties of Nb-doped FeZrB soft magnetic alloys. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, 2011, vol. 323, no. 16, 2165-2169., WOS

[1.1] KONG, L. H. - CHEN, R. R. - SONG, T. T. - GAO, Y. L. - ZHAI, Q. J. Magnetic characterization of dual phase FeZrB soft magnetic alloy. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, 2011, vol. 323, no. 24, 3285-3289., WOS

ADCA91 BUTVIN, Pavol - AL-JA'AFREH, J. - STEHLÍK, J. - HAVRÁNEK, E. Solubility, stability and dissociation constants of (2RS,4R)-2-substituted thiazolidine-4-carboxylic acids in aqueous solutions. In *Chemical Papers - Chemické zvesti*, 1999, vol. 53, no. 5, p. 315-322. (0.140 - IF1998). ISSN 0366-6352.

Ohlasy:

[1.1] REISCHL, Roland J. - BICKER, Wolfgang - KELLER, Thomas - LAMPRECHT, Guenther - LINDNER, Wolfgang. Occurrence of 2-methylthiazolidine-4-carboxylic acid, a condensation product of cysteine and acetaldehyde, in human blood as a consequence of ethanol consumption. In ANALYTICAL AND BIOANALYTICAL CHEMISTRY. ISSN 1618-2642, 2012, vol. 404, no. 6-7, pp. 1779., WOS

ADCA92 BUTVINOVA, 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] SARKAR, Partha - MALLICK, A. Basu - ROY, R. K. - PANDA, A. K. - MITRA, A. Structural and Giant Magneto-impedance properties of Cr-incorporated Co-Fe-Si-B amorphous microwires. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2012, vol. 324, no. 8, pp. 1551-1556., WOS

ADCA93 BUŽEK, Vladimír - JEX, I. Amplitude Kappa-th-power squeezing of k-photon coherent states. In *Physical Review A*, 1990, vol. 41, no. 7, p. 4079-4082. ISSN 1050-2947.

Ohlasy:

[1.1] PRAKAASH, R.-YADAV, A.K. A proposal for experimental detection. In OPTICS COMMUNICATIONS, 2012, vol. 285, no. 9, pp. 2387-2391., WOS

ADCA94 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] BASTOS, W. P. - CARDOSO, W. B. - AVELAR, A. T. - BASEIA, B. A note on entanglement swapping of atomic states through the photonic Faraday rotation. In QUANTUM INFORMATION PROCESSING, 2011, vol.10, no.3, 395., WOS

[1.1] FAN, Heng - WANG, Yi-Nan - JING, Li - YUE, Jie-Dong - SHI, Han-Duo - ZHANG, Yong-Liang - MU, Liang-Zhu. Quantum cloning machines and the applications. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, 2014, vol. 544, no. 3, pp. 241., WOS

[1.1] GYONGYOSI, Laszlo - IMRE, Sandor. Quasi-superactivation of classical capacity of zero-capacity quantum channels. In JOURNAL OF MODERN OPTICS. ISSN 0950-0340, 2012, vol. 59, no. 14, pp. 1243., WOS

[1.1] GYONGYOSI, Laszlo - IMRE, Sandor - SCHMIEDMAYER, HJ - WALTHER, P. Quasi-Superactivation for the Classical Capacity of Quantum Channels. In ELEVENTH INTERNATIONAL CONFERENCE ON QUANTUM COMMUNICATION, MEASUREMENT AND COMPUTATION (QCMC). ISSN 0094-243X, 2014, vol. 1633, pp. 162., WOS

[1.1] XIONG, W. Robust schemes. In EUROPEAN PHYSICAL JOURNAL D, 2011, vol. 62, P. 265., WOS

ADCA95 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] ABDEL-KHALEK, S. - ABDEL-HAMEED, H. F. - ABDEL-ATY, M. ATOMIC WEHRL ENTROPY OF A SINGLE QUBIT SYSTEM. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION, 2011, vol.9, no.3, 967., WOS

[1.1] FENG, Xun-Li - XU, Yan - OH, C. H. Cavity quantum electrodynamics with rapidly vibrating atom. In LASER PHYSICS LETTERS. ISSN 1612-2011, 2014, vol. 11, no. 2, 025204., WOS

[1.1] GRUENWALD, P. - SINGH, S. K. - VOGEL, W. Raman-assisted Rabi resonances in two-mode cavity QED. In PHYSICAL REVIEW A, 2011, vol.83, no.6., WOS

[1.1] MOHAMED, Abdel-Baset A. ENTANGLEMENT DEATH AND PURITY LOSS FOREVER IN THE DISPERSIVE INTERACTION OF A TRAPPED ION AND LIGHT WITHOUT ENERGY RELAXATION. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION, 2011, vol.9, no.1, 519., WOS

[1.1] OBADA, A.S. F. - MOHAMED, A.B. A. Quantum correlations of two non-interacting ion's internal electronic states with intrinsic decoherence. In OPTICS COMMUNICATIONS. ISSN 0030-4018, 2013, vol. 309, pp. 236., WOS

[1.1] SHI, Z.C. One-step preparation. In EUROPEAN PHYSICAL JOURNAL D, 2012, vol. 66, 127., WOS

[1.1] YE XIAO-FANG - CHEN MEI-FENG. Generating W State with Qubits of Superconducting Quantum Interference Devices via Adiabatic Passage. In COMMUNICATIONS IN THEORETICAL PHYSICS, 2011, vol.55, no.5, 868., WOS

ADCA96 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.

Ohlasy:

[1.1] LEONSKI, W. - KOWALEWSKA-KUDLASZYK, A. - WOLF, E. Quantum Scissors Finite-Dimensional States Engineering. In PROGRESS IN OPTICS, VOL 56, 2011, vol.56, 131., WOS

[1.1] MIRANOWICZ, Adam - PAPRZYCKA, Malgorzata - PATHAK, Anirban - NORI, Franco. Phase-space interference of states optically truncated by quantum scissors: Generation of distinct superpositions of qudit coherent states by displacement of vacuum. In PHYSICAL REVIEW A. ISSN 1050-2947, 2014, vol. 89, no. 3, 033812., WOS

[1.1] ZAREZADEH, M. - TAVASSOLY, M. K. Solution of the Schrodinger equation for a particular form of Morse potential using the Laplace transform. In CHINESE PHYSICS C. ISSN 1674-1137, 2013, vol. 37, no. 4, UNSP 043106., WOS

ADCA97 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.

Ohlasy:

[1.1] AMIRI, F. - SHIRKANI, H. - GOLSHAN, M. M. Time-evolution of electronic states in a Rashba anisotropic two-dimensional quantum dot. In *SUPERLATTICES AND MICROSTRUCTURES*, 2011, vol.50, no.4, 419., WOS

[1.1] EIED, A. A. - HANOURA, S. A. - OBADA, A.S. F. Quantum Entropy of a Four-Level Atom with Arbitrary Nonlinearities. In *INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS*. ISSN 0020-7748, 2012, vol. 51, no. 9, pp. 2665., WOS

[1.1] OBADA, Abdel-Shafy Fahmy - HANOURA, Sadek Ahmed - EIED, Abdel-Hameed. Collapse-revival phenomenon for different configurations of a three-level atom interacting with a field via multi-photon process and nonlinearities. In *EUROPEAN PHYSICAL JOURNAL D*. ISSN 1434-6060, 2014, vol. 68, no. 2, 18., WOS

[1.1] ZIEGLER, K. Photonic spectral density of coupled optical cavities. In *LASER PHYSICS*. ISSN 1054-660X, 2012, vol. 22, no. 1, pp. 331., WOS

ADCA98 BUŽEK, Vladimír - ORSZAG, M. - ROŠKO, M. Comment on "Instability and entanglement of the ground state of the Dicke model"- reply. In *Physical Review Letters*, 2006, vol. 96, no. 8, 089302. (7.489 - IF2005). (2006 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Ohlasy:

[1.1] COTO, Raul - ORSZAG, Miguel. Propagation and distribution of quantum correlations in a cavity QED network. In *JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS*. ISSN 0953-4075, 2013, vol. 46, no. 17, 175503., WOS

ADCA99 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] LIM, Youngrong - PATERNOSTRO, Mauro - KANG, Minsu - LEE, Jinhyoung - JEONG, Hyunseok. Using macroscopic entanglement to close the detection loophole in Bell-inequality tests. In *PHYSICAL REVIEW A*. ISSN 1050-2947, 2012, vol. 85, no. 6, 062112., WOS

ADCA100 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] CORDERO, Sergio - RECAMIER, Jose. Selective transition and complete revivals of a single two-level atom in the Jaynes-Cummings Hamiltonian with an additional Kerr medium. In *JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS*, 2011, vol.44, no.13., WOS

[1.1] CORDERO, Sergio - RECAMIER, Jose. Algebraic treatment of the time-dependent Jaynes-Cummings Hamiltonian including nonlinear terms. In *JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL*. ISSN 1751-8113, 2012, vol. 45, no. 38, 385303., WOS

- [1.1] FAGHIHI, M. J. - TAVASSOLY, M. K. - HATAMI, M. Dynamics of entanglement of a three-level atom in motion interacting with two coupled modes including parametric down conversion. In *PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS*. ISSN 0378-4371, 2014, vol. 407, pp. 100-109., WOS
- [1.1] GAO YUN-FENG - FENG JIAN - LI YUE-KE. Emission Spectrum Property of Modulated Atom-Field Coupling System. In *COMMUNICATIONS IN THEORETICAL PHYSICS*. ISSN 0253-6102, 2013, vol. 60, no. 2, pp. 217., WOS
- [1.1] MOHAMED, Abdel-Baset A. LOSS OF COHERENCE OF PURE AND MIXED STATES FOR A MULTIMODE RADIATION FIELD INTERACTING NONLINEARLY WITH A QUBIT. In *JOURNAL OF RUSSIAN LASER RESEARCH*, 2011, vol.32, no.6, 518., WOS
- [1.1] PARVIN, Babak - MALEKFAR, Rasoul. The nonlinear effects over time evolution of a three-level atom confined in a single mode optical cavity. In *JOURNAL OF MODERN OPTICS*. ISSN 0950-0340, 2012, vol. 59, no. 21, pp. 1841., WOS
- [1.1] YAN, Wei-Bin - LIU, Zhong-Ju - ZHOU, Ling. Control of Two-Photon Transport in a One-Dimensional Waveguide. In *INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS*. ISSN 0020-7748, 2012, vol. 51, no. 7, pp. 2237., WOS

ADCA101 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.

Ohlasy:

- [1.1] ABDEL-KHALEK, S. - ZIDAN, Nour - ABDEL-ATY, M. Analysis of mixed state entanglement with intrinsic decoherence. In *PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES*, 2011, vol.44, no.1, 6-11., WOS
- [1.1] HOU, Xi-Wen - WAN, Ming-Fang - MA, Zhong-Qi. Tripartite entanglement dynamics for mixed states in the Tavis-Cummings model with intrinsic decoherence. In *EUROPEAN PHYSICAL JOURNAL D*. ISSN 1434-6060, 2012, vol. 66, no. 6, 152., WOS

ADCA102 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.

Ohlasy:

- [1.1] CHEN, Y. F. Geometry of classical periodic orbits and quantum coherent states in coupled oscillators with $SU(2)$ transformations. In *PHYSICAL REVIEW A*, 2011, vol.83, no.3., WOS
- [1.1] CHEN, Y. F. - LIN, Y. C. - ZHUANG, W. Z. - LIANG, H. C. - SU, K. W. - HUANG, K. F. Generation of large orbital angular momentum from superposed Bessel beams corresponding to resonant geometric modes. In *PHYSICAL REVIEW A*. ISSN 1050-2947, 2012, vol. 85, no. 4, 043833., WOS
- [1.1] MAHDIFAR, A. In *INTERNATIONAL JOURNAL OF GEOMETRIC METHODS IN MODERN PHYSICS*, 2013, vol. 10, 1350028., WOS
- [1.1] MIRY, Seyedeh Robabeh - TAVASSOLY, Mohammad Kazem - ROKNIZADEH, Rasoul. On the generation of number states, their single- and

two-mode superpositions, and two-mode binomial state in a cavity. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS. ISSN 0740-3224, 2014, vol. 31, no. 2, pp. 270., WOS

[1.1] TAY, B. A. Reduced dynamics of two oscillators collectively coupled to a thermal bath. In PHYSICAL REVIEW E. ISSN 1539-3755, 2013, vol. 87, no. 5, 052117., WOS

[1.1] TAY, B. A. SEPARABILITY OF TWO-OSCILLATOR MIXED STATES FROM THE SUBSPACE WITH FIXED TOTAL OCCUPATION QUANTUM NUMBER. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2014, vol. 45, no. 4, pp. 867., WOS

[1.1] ZHANG, Jin Hua - LIANG, Mai Lin - ZHANG, Fu Lin - YANG, Hui. Mixed Moving Atom Entanglement Transferred from an SU(2) Coherent State under Nonlinear Interaction. In CHINESE JOURNAL OF PHYSICS. ISSN 0577-9073, 2014, vol. 52, no. 3, pp. 1145., WOS

ADCA103 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. (7.218 - IF2004). (2005 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Ohlasy:

[1.1] CASTANOS, O. - CORDERO, S. - LOPEZ-PENA, R. - NAHMAD-ACHAR, E. Single and collective regimes in three-level systems interacting with a one-mode electromagnetic field. In JOURNAL OF PHYSICS CONFERENCE SERIES, 2014, vol. 512, 012006., WOS

[1.1] CORDERO, S. - CASTANOS, O. - LOPEZ-PENA, R. - NAHMAD-ACHAR, E. A semi-classical versus quantum description of the ground state of three-level atoms interacting with a one-mode electromagnetic field. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2013, vol. 46, no. 50, 505302., WOS

[1.1] CORDERO, S. - LOPEZ-PENA, R. - CASTANOS, O. - NAHMAD-ACHAR, E. Quantum phase transitions of three-level atoms interacting with a one-mode electromagnetic field. In PHYSICAL REVIEW A. ISSN 1050-2947, 2013, vol. 87, no. 2, 023805., WOS

[1.1] COTO, Raul - ORSZAG, Miguel. Propagation and distribution of quantum correlations in a cavity QED network. In JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS. ISSN 0953-4075, 2013, vol. 46, no. 17, 175503., WOS

[1.1] GRINBERG, Horacio. Nonclassical effects in a highly nonlinear generalized homogeneous Dicke model. In ANNALS OF PHYSICS, 2011, vol.326, no.11, 2845., WOS

[1.1] KONYA, G. - SZIRMAI, G. - DOMOKOS, P. Multimode mean-field model for the quantum phase transition of a Bose-Einstein condensate in an optical resonator. In EUROPEAN PHYSICAL JOURNAL D, 2011, vol.65, no.1-2, 33., WOS

[1.1] VUKICS, Andras - DOMOKOS, Peter. Adequacy of the Dicke model in cavity QED: A counter-no-go statement. In PHYSICAL REVIEW A. ISSN 1050-2947, 2012, vol. 86, no. 5, 053807., WOS

[1.1] YE, Jinwu - ZHANG, CunLin. Superradiance, Berry phase, photon phase diffusion, and number squeezed state in the U(1) Dicke (Tavis-Cummings) model. In PHYSICAL REVIEW A, 2011, vol.84, no.2., WOS

- [1.1] YU YI-XIANG - YE, Jinwu - LIU, Wu-Ming. Goldstone and Higgs modes of photons inside a cavity. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2013, vol. 3, 3476., WOS
- [1.1] ZOU, J. H. - LIU, T. - FENG, M. - YANG, W. L. - CHEN, C. Y. - TWAMLEY, J. Quantum phase transition in a driven Tavis-Cummings model. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2013, vol. 15, 123032., WOS

ADCA104 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.

Ohlasy:

- [1.1] GRINBERG, H. In OPTIK, 2014, vol. 125, pp. 5566., WOS
- [1.1] ROBLES-PEREZ, S.- GONZALES-DIAZ, P.F. In JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS, 2014, vol. 118, pp. 34-53., WOS
- [1.1] WANG, Z. Jaynes-cummings Hamiltonian describing. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2011, vol. 50, no. 9, p. 2666., WOS

ADCA105 BUŽEK, Vladimír. Jaynes-cummings model with intensity-dependent coupling with holstein-primakoff su (1,1) coherent state. In *Physical Review A*, 1989, vol. 39, no. 6, p. 3196-3199. ISSN 1050-2947.

Ohlasy:

- [1.1] ABERG, J. In PHYSICAL REVIEW LETTERS, 2014, vol. 113, 150402., WOS
- [1.1] BAGHSHAHI, H.R. In CHINESE PHYSICS B, 2014, vol. 23, 074203., WOS
- [1.1] DE LOS SANTOS-SANCHEZ, O. The f- deformed Jaynes-Cummings model. In JOURNAL OF PHYSICS B, 2012, vol. 45, 015502., WOS
- [1.1] FAGHIHI, M.J.- TAVASSOLY, M.K. In JOURNAL OF PHYSICS B, 2013, vol. 46, 145506., WOS
- [1.1] FAGHIHI, M.J.- TAVASSOLY, M.K.- HOOSHMANDASL, M.R. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B, 2013, vol. 30, no. 5, pp. 1109., WOS
- [1.1] HESSIAN, H.A.- MOHAMED, A.-B.A. In OPTICS AND SPECTROSCOPY, 2014, vol. 117, p. 474-479., WOS
- [1.1] HONARASA, G.R. Generalized deformed Kerr states. In PHYSICA SCRIPTA, 2012, vol. 86, no. 3, 035401., WOS
- [1.1] CHANG, JAE WON. In JOURNAL OF RADIATION RESEARCH, 2014, vol. 55, p. 245-256., WOS
- [1.1] KARI, E. In PHYSICAL REVIEW A, 2014, vol. 89, 063813., WOS
- [1.1] KOROLI, V. GENERATION OF THE NON-CLASSICAL STATES. IN INTERNATIONAL JOURNAL OF QUANTUM INFORMATION, 2011, vol. 9, p. 293., WOS
- [1.1] MARZUOLI, A. In JOURNAL OF PHYSICS A, 2014, vol. 47, 275202., WOS
- [1.1] MIRY, S.R.- SHAHPARI, M.- TAVASSOLY, M.K. In OPTICS COMMUNICATIONS, 2013, vol. 306, pp. 49., WOS
- [1.1] NADERI, M.H. THE JAYNES-CUMMINGS MODEL. IN JOURNAL OF PHYSICS A, 2011, VOL. 44, 055304., WOS

- [1.1] NOORMANDIPOUR, A. In COMMUNICATIONS IN THEORETICAL PHYSICS, 2014, vol. 61, p. 521-530., WOS
- [1.1] OBADA, A.S.F. In APPLIED MATHEMATICS AND INFORMATION SCIENCES, 2014, vol. 8, p. 1167-1172., WOS
- [1.1] TAVASSOLY, M.K. A THEORETICAL SCHEME FOR GENERATION OF GAZEAU-KLAUDER. IN OPTICS COMMUNICATIONS, 2011, VOL. 284, P.608., WOS
- [1.1] TAVASSOLY, M.K.- YADOLLAHI, F. Dynamics of states in the nonlinear interaction regime. In INTERNATIONAL JOURNAL OF MODERN PHYSICS B, 2012, vol. 26, no. 5, 1250027., WOS

ADCA106 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.
Ohlasy:

- [1.1] ACHARYYA, Nirmalendu - CHANDRA, Nitin - VAIDYA, Sachindeo. Noncommutative vortices and instantons from generalized Bose operators. In JOURNAL OF HIGH ENERGY PHYSICS, 2011, no.12, 110., WOS
- [1.1] SU, Wan-Jun - HUANG, Jian-Min. Strong-Driving-Assisted Preparation of Superpositions of Two-Mode Coherent States in Cavity QED. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2011, vol.50, no.9, 2917., WOS

ADCA107 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.

Ohlasy:

- [1.1] OBADA, A. S. F. - ABDEL-KHALEK, S. - SHAHEEN, M. E. Quantum Information Features Attendant to Atomic Spontaneous Decay. In APPLIED MATHEMATICS & INFORMATION SCIENCES. ISSN 2325-0399, 2014, vol. 8, no. 3, pp. 1167., WOS
- [1.1] RODRIQUEZ-LARA, B.M. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B, 2014, vol. 31, pp. 1719., WOS
- [1.1] SOTO-EGUIBAR, F. - RODRIGUEZ-LARA, B. M. - MOYA-CESSA, H. M. Phase state and related nonlinear coherent states. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS. ISSN 0740-3224, 2014, vol. 31, no. 6, pp. 1335., WOS
- [1.1] ZHANG, Jin Hua - LIANG, Mai Lin - ZHANG, Fu Lin - YANG, Hui. MIXED MOVING ATOM ENTANGLEMENT TRANSFERRED FROM BELL STATE LIGHT FIELD. In ROMANIAN JOURNAL OF PHYSICS. ISSN 1221-146X, 2013, vol. 58, no. 7-8, pp. 904-912., WOS
- [1.1] ZHANG, Jin Hua - LIANG, Mai Lin - ZHANG, Fu Lin - YANG, Hui. Mixed Moving Atom Entanglement Transferred from an SU(2) Coherent State under Nonlinear Interaction. In CHINESE JOURNAL OF PHYSICS. ISSN 0577-9073, 2014, vol. 52, no. 3, pp. 1145., WOS

ADCA108 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.

Ohlasy:

- [1.1] ABDEL-WAHAB, N.H. General formalism. In EUROPEAN PHYSICAL JOURNAL PLUS, 2011, vol. 126, no. 27., WOS
- [1.1] CASTANOS, O. Dynamics of Schrodinger cat states. In JOURNAL OF PHYSICS CONFERENCE SERIES, 2012, vol. 380, 012017., WOS
- [1.1] DONG, Y.-L. Quantum-state transmission. In PHYSICAL REVIEW A, 2012, vol. 85, 023833., WOS
- [1.1] CHATTERJEE, A. In PHYSICS LETTERS A, 2012, vol. 376, no. 19, pp. 1601., WOS
- [1.1] LIAO, Q. In OPTIK, 2013, vol. 124, pp. 1083., WOS
- [1.1] LIAO, W. et al. In OPTIK, 2014, vol. 125, pp. 1739., WOS
- [1.1] SANTOS, J.P.- SEMIAO, F.L. In PHYSICAL REVIEW A, 2014, vol. 89, no. 2, 022128., WOS
- [1.1] WANG, JI-Ch. Entropy exchange. In ACTA PHYSICA SINICA, 2011, vol. 60, no. 11, 114208., WOS

ADCA109 BUŽEK, Vladimír - KNIGHT, P.L. - IMOTO, N. Multiple observations of quantum clocks. In *Physical Review A*, 2000, vol. 62, p. 062309. (2000 - Current Contents). ISSN 1050-2947.

Ohlasy:

- [1.1] ABERG, Johan. Catalytic Coherence. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2014, vol. 113, no. 15, 150402., WOS

ADCA110 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] CHUMAK, O. O. - STOLYAROV, E. V. Phase-space distribution functions for photon propagation in waveguides coupled to a qubit. In PHYSICAL REVIEW A. ISSN 1050-2947, 2013, vol. 88, no. 1, 013855., WOS
- [1.1] LIGARE, Martin. Propagation of quantized fields through negative-index media. In JOURNAL OF MODERN OPTICS, 2011, vol.58, no.17, 1551., WOS
- [1.1] REZUS, Y. L. A. - WALT, S. G. - LETTOW, R. - RENN, A. - ZUMOFEN, G. - GOETZINGER, S. - SANDOGHDAR, V. Single-Photon Spectroscopy of a Single Molecule. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2012, vol. 108, no. 9, 093601., WOS
- [1.1] TUFARELLI, Tommaso - KIM, M. S. - CICCARELLO, Francesco. Non-Markovianity of a quantum emitter in front of a mirror. In PHYSICAL REVIEW A. ISSN 1050-2947, 2014, vol. 90, no. 1, 012113., WOS
- [1.1] ZHAO, H. J. - DU, M. L. Spatial oscillations in the spontaneous emission rate of an atom inside a metallic wedge. In JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS, 2011, vol.44, no.2., WOS

ADCA111 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.

Ohlasy:

[1.1] DODONOV, A. V. - DODONOV, V. V. Dynamical Casimir effect in a cavity in the presence of a three-level atom. In *PHYSICAL REVIEW A*. ISSN 1050-2947, 2012, vol. 85, no. 6, 063804., WOS

[1.1] CHEN, Qian-Fan - FAN, Hong-Yi. Multiphoton Laguerre polynomial state as minimum uncertainty states of intensity-dependent squeezing. In *CANADIAN JOURNAL OF PHYSICS*. ISSN 0008-4204, 2014, vol. 92, no. 9, pp. 1016., WOS

ADCA112 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.

Ohlasy:

[1.1] PANAHI, H. - RAD, S. Asghari. Two and k-Photon Jaynes-Cummings Models and Dirac Oscillator Problem in Bargmann-Segal Representation. In *INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS*. ISSN 0020-7748, 2013, vol. 52, no. 11, pp. 4068., WOS

ADCA113 BUŽEK, Vladimír - HILLERY, M. Operational phase distributions via displaced squeezed states. In *Journal of Modern Optics*, 1996, vol. 43, no. 8, p. 1633-1651. ISSN 0950-0340.

Ohlasy:

[1.1] SUBEESH, T. - SUDHIR, Vivishek. Phase properties of operator valued measures in phase space. In *JOURNAL OF MODERN OPTICS*. ISSN 0950-0340, 2013, vol. 60, no. 6, pp. 503., WOS

ADCA114 BUŽEK, Vladimír - HILLERY, M. Optimal Manipulations with Qubits: Universal. In *Physical Review A*, 2000, vol. 62, 022303. (2000 - Current Contents). ISSN 1050-2947.

Ohlasy:

[1.1] DE MARTINI, Francesco - SCIARRINO, Fabio. Colloquium: Multiparticle quantum superpositions and the quantum-to-classical transition. In *REVIEWS OF MODERN PHYSICS*. ISSN 0034-6861, 2012, vol. 84, no. 4, pp. 1765., WOS

[1.1] ISSOUFA, Youssouf Hamidou - MESSIKH, Azeddine. Effect of dephasing on superadiabatic three-level quantum driving. In *PHYSICAL REVIEW A*. ISSN 1050-2947, 2014, vol. 90, no. 5, 055402., WOS

[1.1] WANG FENG - LUO MINGXING - CHEN XIUBO - YANG YIXIAN - WANG XIAOJUN. Typical universal entanglers. In *SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY*. ISSN 1674-7348, 2014, vol. 57, no. 10, pp. 1913., WOS

ADCA115 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] ADESSO, Gerardo - D'AMBROSIO, Vincenzo - NAGALI, Eleonora - PIANI, Marco - SCIARRINO, Fabio. Experimental Entanglement Activation from Discord in a Programmable Quantum Measurement. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2014, vol. 112, no. 14,

140501., WOS

[1.1] BRADLER, K.-ADAMI, Ch. In JOURNAL OF HIGH ENERGY PHYSICS, 2014, Iss. 5, 095., WOS

[1.1] DE MARTINI, Francesco - SCIARRINO, Fabio. Colloquium: Multiparticle quantum superpositions and the quantum-to-classical transition. In REVIEWS OF MODERN PHYSICS. ISSN 0034-6861, 2012, vol. 84, no. 4, pp. 1765., WOS

[1.1] GENKINA, Dina - CHIRIBELLA, Giulio - HARDY, Lucien. Optimal probabilistic simulation of quantum channels from the future to the past. In PHYSICAL REVIEW A. ISSN 1050-2947, 2012, vol. 85, no. 2, 022330., WOS

[1.1] CHANG, Lina - LI, Nan - LUO, Shunlong - SONG, Hongting. Optimal extraction of information from two spins. In PHYSICAL REVIEW A. ISSN 1050-2947, 2014, vol. 89, no. 4, 042110., WOS

[1.1] JEZEK, M. - MICUDA, M. - STRAKA, I. - MIKOVA, M. - DUSEK, M. - FIURASEK, J. Orthogonalization of partly unknown quantum states. In PHYSICAL REVIEW A. ISSN 1050-2947, 2014, vol. 89, no. 4, 042316., WOS

[1.1] JOHANSSON, Markus - ERICSSON, Marie - SJOEQVIST, Erik - OSTERLOH, Andreas. Classification scheme of pure multipartite states based on topological phases. In PHYSICAL REVIEW A. ISSN 1050-2947, 2014, vol. 89, no. 1, 012320., WOS

[1.1] JOHANSSON, Markus. Local unitary symmetries and entanglement invariants. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2014, vol. 47, no. 46, 465301., WOS

[1.1] JONES, Jonathan A. Quantum computing with NMR. In PROGRESS IN NUCLEAR MAGNETIC RESONANCE SPECTROSCOPY, 2011, vol.59, no.2, 91., WOS

[1.1] LEE, Sang Min - BANG, Jeongho - KIM, Heonoh - JEONG, Hyunseok - LEE, Jinhyoung - MOON, Han Seb. Experimental demonstration of error-insensitive approximate universal-NOT gates. In PHYSICAL REVIEW A. ISSN 1050-2947, 2014, vol. 89, no. 5, 052329., WOS

[1.1] LEUCHS, G. - SONDERMANN, M. Time-reversal symmetry in optics. In PHYSICA SCRIPTA. ISSN 0031-8949, 2012, vol. 85, no. 5, 058101., WOS

[1.1] NAMIKI, Ryo. Fundamental quantum limits on phase-insensitive linear amplification and phase conjugation in a practical framework. In PHYSICAL REVIEW A, 2011, vol.83, no.4., WOS

[1.1] REN, X. J. - XIANG, Y. - FAN, H. Optimal asymmetric 1 > 4 quantum cloning in arbitrary dimension. In EUROPEAN PHYSICAL JOURNAL D, 2011, vol.65, no.3, 621., WOS

[1.1] SIOMAU, M. - FRITZSCHE, S. Quantum computing with mixed states. In EUROPEAN PHYSICAL JOURNAL D, 2011, vol.62, no.3, 449., WOS

[1.1] VANNER, M. R. - ASPELMEYER, M. - KIM, M. S. Quantum State Orthogonalization and a Toolset for Quantum Optomechanical Phonon Control. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2013, vol. 110, no. 1, 010504., WOS

[1.1] YANG, Y.-CHIRIBELLA, G.-ADESSO, G. In PHYSICAL REVIEW A, 2014, vol. 90, 042301., WOS

[1.1] YE LIU - HU GUIYU - LI AIXIA. Implementing two optimal economical quantum cloning with superconducting quantum interference devices in a cavity. In SCIENCE CHINA-PHYSICS MECHANICS &

ASTRONOMY, 2011, vol.54, no.1, 115., WOS
 [1.1] YE LIU - XIONG WEI - LI AIXIA - GUO GUANGCAN.
 Implementing ancilla-free phase covariant quantum cloning with atoms trapped
 in cavities. In SCIENCE CHINA-PHYSICS MECHANICS &
 ASTRONOMY, 2011, vol.54, no.2, 262., WOS
 [1.1] YE, Liu - SONG, Xue-Ke - YANG, Jie - YANG, Qun - MA,
 Yang-Cheng. OPTICAL IMPLEMENTATION OF THE OPTIMAL
 UNIVERSAL AND PHASE-COVARIANT QUANTUM CLONING
 MACHINES. In MODERN PHYSICS LETTERS B. ISSN 0217-9849, 2012, vol.
 26, no. 16, 1250102., WOS

ADCA116 BUŽEK, Vladimír - DERKA, R. - MASSAR, S. Optimal quantum clocks. In
Physical Review Letters, 1999, vol. 82, no. 10, p. 2207-2210. (6.017 - IF1998).
 (1999 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Ohlasy:

[1.1] BEN-AV, Radel - EXMAN, Iakov. Optimized multiparty quantum
 clock synchronization. In PHYSICAL REVIEW A, 2011, vol.84, no.1., WOS
 [1.1] BISIO, A. - CHIRIBELLA, G. - D'ARIANO, G. M. -
 PERINOTTI, P. QUANTUM NETWORKS: GENERAL THEORY AND
 APPLICATIONS. In ACTA PHYSICA SLOVACA, 2011, vol.61, no.3, 273.,
 WOS
 [1.1] BOIXO, Sergio - HEUNEN, Chris. Entangled and Sequential Quantum
 Protocols with Dephasing. In PHYSICAL REVIEW LETTERS. ISSN
 0031-9007, 2012, vol. 108, no. 12, 120402., WOS
 [1.1] BRUALLA, Lorenzo. Comment on 'The smallest clock'; In
 EUROPEAN JOURNAL OF PHYSICS. ISSN 0143-0807, 2013, vol. 34, no. 3,
 pp. L65., WOS
 [1.1] DORNER, U. Quantum frequency estimation with trapped ions and
 atoms. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2012, vol. 14,
 043011., WOS
 [1.1] GIOVANNETTI, Vittorio - LLOYD, Seth - MACCONE, Lorenzo.
 Advances in quantum metrology. In NATURE PHOTONICS, 2011, vol.5, no.4,
 222., WOS
 [1.1] HAYASHI, Masahito. Comparison Between the Cramer-Rao and the
 Mini-max Approaches in Quantum Channel Estimation. In
 COMMUNICATIONS IN MATHEMATICAL PHYSICS, 2011, vol.304, no.3,
 689., WOS
 [1.1] CHAVES, R. - BRASK, J. B. - MARKIEWICZ, M. - KOLODYNski,
 J. - ACIN, A. Noisy Metrology beyond the Standard Quantum Limit. In
 PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2013, vol. 111, no. 12,
 120401., WOS
 [1.1] CHIRIBELLA, Giulio - ANGELOVA, M - ZAKRZEWSKI, W -
 HUSSIN - PIETTE, B. Group theoretic structures in the estimation of an
 unknown unitary transformation. In GROUP 28: PHYSICAL AND
 MATHEMATICAL ASPECTS OF SYMMETRY: PROCEEDINGS OF THE
 28TH INTERNATIONAL COLLOQUIUM ON GROUP-THEORETICAL
 METHODS IN PHYSICS, 2011, vol.284, no., WOS
 [1.1] CHIRIBELLA, Giulio - GIOVANNETTI, Vittorio - MACCONE,
 Lorenzo - PERINOTTI, Paolo. Teleportation transfers only speakable quantum
 information. In PHYSICAL REVIEW A. ISSN 1050-2947, 2012, vol. 86,

010304., WOS

[1.1] CHIRIBELLA, Giulio. Optimal networks for quantum metrology: semidefinite programs and product rules. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2012, vol. 14, 125008., WOS

[1.1] KOŁODYŃSKI, Jan - DEMKOWICZ-DOBŹZANSKI, Rafał. Efficient tools for quantum metrology with uncorrelated noise. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2013, vol. 15, 073043., WOS

[1.1] MACCONE, Lorenzo. Intuitive reason for the usefulness of entanglement in quantum metrology. In PHYSICAL REVIEW A. ISSN 1050-2947, 2013, vol. 88, no. 4., WOS

[1.1] MULLAN, Michael - KNILL, Emanuel. IMPROVING QUANTUM CLOCKS VIA SEMIDEFINITE PROGRAMMING. In QUANTUM INFORMATION & COMPUTATION. ISSN 1533-7146, 2012, vol. 12, no. 7-8, pp. 553., WOS

[1.1] PANG, S.-BRUN, T.A. In PHYSICAL REVIEW A, 2014, vol. 90, 022117., WOS

[1.1] REN, Changliang - HOFMANN, Holger F. Clock synchronization using maximal multipartite entanglement. In PHYSICAL REVIEW A. ISSN 1050-2947, 2012, vol. 86, no. 1, 014301., WOS

[1.1] SUBEESH, T. - SUDHIR, Vivishek. Phase properties of operator valued measures in phase space. In JOURNAL OF MODERN OPTICS. ISSN 0950-0340, 2013, vol. 60, no. 6, pp. 503., WOS

[1.1] WINELAND, David J. Nobel Lecture: Superposition, entanglement, and raising Schrodinger's cat. In REVIEWS OF MODERN PHYSICS. ISSN 0034-6861, 2013, vol. 85, no. 3, pp. 1103., WOS

[1.1] WINELAND, David J. Superposition, entanglement, and raising Schrodinger's cat. In ANNALEN DER PHYSIK. ISSN 0003-3804, 2013, vol. 525, no. 10-11, pp. 739., WOS

[1.1] WINELAND, David J. Superposition, Entanglement, and Raising Schrodinger's Cat (Nobel Lecture). In ANGEWANDTE CHEMIE-INTERNATIONAL EDITION. ISSN 1433-7851, 2013, vol. 52, no. 39, pp. 10179., WOS

[1.2] CATANA, Catalin - GUŢĂ, Mădălin. Heisenberg versus standard scaling in quantum metrology with Markov generated states and monitored environment. In Physical Review A Atomic, Molecular, and Optical Physics. ISSN 10502947, 2014-07-21, 90, 1, 012330., SCOPUS

[1.2] FRÖWIS, F. - FRÖWIS, F. - SKOTINIOTIS, M. - KRAUS, B. - DÜR, W. Optimal quantum states for frequency estimation. In New Journal of Physics. ISSN 13672630, 2014-01-01, 16, 083010., SCOPUS

[1.2] KESSLER, E. M. - KESSLER, E. M. - KÓMÁR, P. - BISHOF, M. - JIANG, L. - SØRENSEN, A. S. - YE, J. - LUKIN, M. D. Heisenberg-limited atom clocks based on entangled qubits. In Physical Review Letters. ISSN 00319007, 2014-05-15, 112, 19., SCOPUS

[1.2] KÓMÁR, P. - KESSLER, E. M. - KESSLER, E. M. - BISHOF, M. - JIANG, L. - SØRENSEN, A. S. - YE, J. - LUKIN, M. D. A quantum network of clocks. In Nature Physics. ISSN 17452473, 2014-01-01, 10, 8, pp. 582-587., SCOPUS

[1.2] MACIESZCZAK, Katarzyna - MACIESZCZAK, Katarzyna - FRAAS, Martin - DEMKOWICZ-DOBŹZANSKI, Rafał. Bayesian quantum frequency estimation in presence of collective dephasing. In New Journal of Physics. ISSN

13672630, 2014-10-31, 16, 113002., SCOPUS

[1.2] MULLAN, Michael - MULLAN, Michael - KNILL, Emanuel.

Optimizing passive quantum clocks. In *Physical Review A Atomic, Molecular, and Optical Physics*. ISSN 10502947, 2014-10-08, 90, 4, 042310., SCOPUS

[1.2] PEZZÈ, L. - SMERZI, Augusto. Quantum theory of phase estimation. In *Atom Interferometry*, 2014-10-16, 188, pp. 691-741., SCOPUS

[1.2] PEZZÈ, L. - SMERZI, A. Quantum theory of phase estimation. In *Proceedings of the International School of Physics "Enrico Fermi"*. ISSN 0074784X, 2014-01-01, 188, pp. 691-741., SCOPUS

[1.2] WINELAND, David J. - WINELAND, David J. Superposition, entanglement, and raising Schrödinger's cat. In *International Journal of Modern Physics A*. ISSN 0217751X, 2014-04-20, 29, 10., SCOPUS

[1.2] ZHONG, Wei - LU, Xiao Ming - JING, Xiao Xing - WANG, Xiaoguang. Optimal condition for measurement observable via error-propagation. In *Journal of Physics A: Mathematical and Theoretical*. ISSN 17518113, 2014-09-26, 47, 38, 385304., SCOPUS

[1.2] ÅBERG, Johan. Catalytic coherence. In *Physical Review Letters*. ISSN 00319007, 2014-10-07, 113, 15, 150402., SCOPUS

ADCA117 BUŽEK, Vladimír. Periodic revivals of squeezings in an anharmonic-oscillator model with coherent-light. In *Physics Letters A*, 1989, vol. 136, no. 4-5, p. 188-192. ISSN 0375-9601.

Ohlasy:

[1.1] KUMAR, P.- KUMAR, R. In *OPTIK*, 2013, vol. 124, no. 15, pp. 2229-2233., WOS

[1.1] PRAKASH, H. Higher-order. In *OPTICS COMMUNICATIONS*, 2011, vol. 284, p. 289., WOS

ADCA118 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] DE MARTINI, Francesco - SCIARRINO, Fabio. Colloquium: Multiparticle quantum superpositions and the quantum-to-classical transition. In *REVIEWS OF MODERN PHYSICS*. ISSN 0034-6861, 2012, vol. 84, no. 4, pp. 1765., WOS

[1.1] FAN, Heng - WANG, Yi-Nan - JING, Li - YUE, Jie-Dong - SHI, Han-Duo - ZHANG, Yong-Liang - MU, Liang-Zhu. Quantum cloning machines and the applications. In *PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS*. ISSN 0370-1573, 2014, vol. 544, no. 3, pp. 241., WOS

[1.1] JONES, Jonathan A. Quantum computing with NMR. In *PROGRESS IN NUCLEAR MAGNETIC RESONANCE SPECTROSCOPY*, 2011, vol.59, no.2, 91., WOS

[1.1] LIU, A-Peng - WEN, Jing-Ji - CHENG, Liu-Yong - SU, Shi-Lei - CHEN, Li - WANG, Hong-Fu - ZHANG, Shou. Quantum cloning based on iSWAP gate with nitrogen-vacancy centers in photonic crystal cavities. In *OPTICS COMMUNICATIONS*. ISSN 0030-4018, 2014, vol. 333, pp. 187-192., WOS

[1.1] LI, X. X. - HU, X. M. Entangled entanglement in Raman lasers. In *EUROPEAN PHYSICAL JOURNAL D*, 2011, vol.62, no.2, 245., WOS

- [1.1] SHEN YAO - HAO LIANG - LONG GUI-LU. Why Can We Copy Classical Information? In CHINESE PHYSICS LETTERS, 2011, vol.28, no.1, 010306., WOS
- [1.1] SONG PEI-JUN - LUE XIN-YOU - SI LIU-GANG - YANG XIAO-XUE. Deterministic generation of Greenberger-Horne-Zeilinger and W states for three distant atoms via adiabatic passage. In CHINESE PHYSICS B, 2011, vol.20, no.5, 050308., WOS
- [1.1] XIANG, Shao-Hua - LU, De-Hua - SONG, Ke-Hui. Realization of Optimal Universal Quantum Cloner for Electron-Spin Qubits via Nearest-Neighbor Quantum Controlled Gates. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2012, vol. 51, no. 12, pp. 4006., WOS
- [1.1] XIONG, W. - YE, L. Robust schemes for the generation of multipartite entanglement for remote atoms with cross-Kerr nonlinearity. In EUROPEAN PHYSICAL JOURNAL D, 2011, vol.62, no.2, 265., WOS
- [1.1] ZHOU YAN-HUI. Quantum logic networks for cloning a quantum state near a given state. In CHINESE PHYSICS B, 2011, vol.20, no.8, 080305., WOS
- [1.1] ZHOU, Yan-Hui - WANG, Lei. Scheme for implementing 1> M symmetric economical phase-covariant telecloning based on quantum logic network. In JOURNAL OF MODERN OPTICS. ISSN 0950-0340, 2012, vol. 59, no. 7, pp. 658., WOS

ADCA119 BUŽEK, Vladimír - HILLERY, M. Quantum cloning. In *Physics World*, 2001, vol. 14, no. 11, p. 25-29. ISSN 0953-8585.

Ohlasy:

- [1.1] AVILA, A.M. Optimal estimate of a pure qubit state. In BRAZILIAN JOURNAL OF PHYSICS, 2012, vol. 42, pp. 1-5., WOS
- [1.1] BISIO, B. Quantum networks. In ACTA PHYSICA SLOVACA, 2011, vol. 61, P. 273., WOS
- [1.1] MISHRA, M.K. Two-way quantum communication. In JOURNAL OF PHYSICS B, 2011, vol. 44, 115504., WOS

ADCA120 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] AARONSON, S. Quantum money. In COMMUNICATION OF THE ACM, 2012, vol. 55, pp. 84., WOS
- [1.1] AHN, D. In PHYSICAL REVIEW A, 2013, vol. 88, no. 2, 022332., WOS
- [1.1] ARANEDA, G. - CISTERNAS, N. - JIMENEZ, O. - DELGADO, A. Nonlocal optimal probabilistic cloning of qubit states via twin photons. In PHYSICAL REVIEW A. ISSN 1050-2947, 2012, vol. 86, no. 5, 052332., WOS
- [1.1] BARTKIEWICZ, Karol - MIRANOWICZ, Adam. Optimal cloning of arbitrary mirror-symmetric distributions on the Bloch sphere: a proposal for practical photonic realization. In PHYSICA SCRIPTA. ISSN 0031-8949, 2012, vol. T147, 014003., WOS
- [1.1] BARTKIEWICZ, K. In PHYSICAL REVIEW LETTERS, 2013, vol. 110, 173601., WOS
- [1.1] BISIO, Alessandro - D&APOS;ARIANO, Giacomo Mauro - PERINOTTI, Paolo - SEDLAK, Michal. Cloning of a quantum measurement. In

PHYSICAL REVIEW A, 2011, vol.84, no.4., WOS

[1.1] BULA, M. In PHYSICAL REVIEW A, 2013, vol. 87, 033826., WOS

[1.1] CALSAMIGLIA, J. In NATURE PHYSICS, 2014, vol. 10, pp. 91-2., WOS

[1.1] CWIKLINSKI, Piotr - HORODECKI, Michal - STUDZINSKI, Michal. Region of fidelities for a $1 < N$ universal qubit quantum cloner. In PHYSICS LETTERS A. ISSN 0375-9601, 2012, vol. 376, no. 32, pp. 2178., WOS

[1.1] DE MARTINI, Francesco - SCIARRINO, Fabio. Colloquium: Multiparticle quantum superpositions and the quantum-to-classical transition. In REVIEWS OF MODERN PHYSICS. ISSN 0034-6861, 2012, vol. 84, no. 4, pp. 1765., WOS

[1.1] DUNJKO, V. Truly noiseless. In PHYSICAL REVIEW A, 2012, vol. 86, 042322., WOS

[1.1] DURT, Thomas - VAN DE PUTTE, Johan. ABOUT OPTIMAL CLONING AND ENTANGLEMENT. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION, 2011, vol.9, no.3, 915., WOS

[1.1] FANG, Bao-Long - SONG, Qing-Ming - YE, Liu. Realization of a universal and phase-covariant quantum cloning machine in separate cavities. In PHYSICAL REVIEW A, 2011, vol.83, no.4., WOS

[1.1] FANG, B.-L. Realization of an economical phase. In QUANTUM INFORMATION AND COMPUTATION, 2012, vol. 12, pp. 334., WOS

[1.1] FAZIO, R. In PHYSICAL REVIEW A, 2013, vol. 87, 0521321., WOS

[1.1] FERENCZI, Agnes - LUETKENHAUS, Norbert. Symmetries in quantum key distribution and the connection between optimal attacks and optimal cloning. In PHYSICAL REVIEW A. ISSN 1050-2947, 2012, vol. 85, no. 5, 052310., WOS

[1.1] GEDIK, Z. In PHYSICAL REVIEW A, 2013, vol. 87, 042314., WOS

[1.1] GHIU, Iulia. NON-OPTIMAL CLONING OF QUBITS AT A DISTANCE. In PROCEEDINGS OF THE ROMANIAN ACADEMY SERIES A-MATHEMATICS PHYSICS TECHNICAL SCIENCES INFORMATION SCIENCE. ISSN 1454-9069, 2012, vol. 13, no. 1, pp. 42., WOS

[1.1] GHIU, I. In ROMANIAN REPORT IN PHYSICS, 2013, vol. 65, pp. 721., WOS

[1.1] GYONGYOSI, L.-IMRE, S. Quasi-superactivation of classical capacity. In JOURNAL OF MODERN OPTICS, 2012, vol. 59, pp. 1243., WOS

[1.1] CHAKRABARTY, Indranil - GANGULY, Nirman - CHOUDHURY, Binayak S. Deletion, Bell's inequality, teleportation. In QUANTUM INFORMATION PROCESSING, 2011, vol.10, no.1, 27., WOS

[1.1] CHANG, Y. In SCIENTIFIC REPORTS, 2013, vol. 3, 1498., WOS

[1.1] CHEN, Hongwei - LU, Dawei - CHONG, Bo - QIN, Gan - ZHOU, Xianyi - PENG, Xinhua - DU, Jiangfeng. Experimental Demonstration of Probabilistic Quantum Cloning. In PHYSICAL REVIEW LETTERS, 2011, vol.106, no.18., WOS

[1.1] CHEN, Zi-hong - PEI, Pei - ZHANG, Feng-yang - SONG, He-shan. One-step preparation of three-particle Greenberger-Horne-Zeilinger states in cavity quantum electrodynamics. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS. ISSN 0740-3224, 2012, vol. 29, no. 7, pp. 1744., WOS

[1.1] CHEN, Z.-H. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2013, vol. 52, pp. 3276., WOS

- [1.1] CHIRIBELLA, G. In NATURE COMMUNICATIONS, 2013, vol. 4, 2915., WOS
- [1.1] JIA, Zhujun. Optimal Measurement Basis for Economical Phase-covariant Telecloning with Partially Entangled States. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2011, vol.50, no.10, 3049., WOS
- [1.1] JING, Li - WANG, Yi-Nan - SHI, Han-Duo - MU, Liang-Zhu - FAN, Heng. Minimal input sets determining phase-covariant and universal quantum cloning. In PHYSICAL REVIEW A. ISSN 1050-2947, 2012, vol. 86, no. 6, 062315., WOS
- [1.1] JI, Yan-Qiang - YU, Tao - ZHU, Ai-Dong - WANG, Hong-Fu - ZHANG, Shou - YEON, Kyu-Hwang - YU, Seong-Cho. Realization of optimal symmetric universal and phase-covariant quantum cloning with quantum dot spins in cavity QED. In JOURNAL OF MODERN OPTICS. ISSN 0950-0340, 2012, vol. 59, no. 14, pp. 1272., WOS
- [1.1] JOCHYM-O&APOS;CONNOR, Tomas - BRADLER, Kamil - WILDE, Mark M. Trade-off coding for universal qudit cloners motivated by the Unruh effect. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL, 2011, vol.44, no.41., WOS
- [1.1] JONES, Jonathan A. Quantum computing with NMR. In PROGRESS IN NUCLEAR MAGNETIC RESONANCE SPECTROSCOPY, 2011, vol.59, no.2, 91., WOS
- [1.1] KAY, A. In QUANTUM INFORMATION AND COMPUTATION, 2013, vol. 13, pp. 880., WOS
- [1.1] KENT, A. In QUANTUM INFORMATION PROCESSING, 2013, vol. 12, pp. 1023., WOS
- [1.1] KENT, A. Quantum tasks in Minkowski space. In CLASSICAL AND QUANTUM GRAVITY, 2012, vol. 29, 224013., WOS
- [1.1] LEMR, Karel - BARTKIEWICZ, Karol - CERNOCH, Antonin - SOUBUSTA, Jan - MIRANOWICZ, Adam. Experimental linear-optical implementation of a multifunctional optimal qubit cloner. In PHYSICAL REVIEW A. ISSN 1050-2947, 2012, vol. 85, no. 5, 050307., WOS
- [1.1] LEMR, K. In PHYSICAL REVIEW A, 2013, vol. 87, 062333., WOS
- [1.1] LIAN-FANG, Han. In INDIAN JOURNAL OF PURE AND APPLIED PHYSICS, 2014, vol. 52, pp. 563-570., WOS
- [1.1] LI, Ch.-Y. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B, 2013, vol. 30, pp. 123, WOS
- [1.1] LUO, M.-X. In QUANTUM INFORMATION PROCESSING, 2013, vol. 12, pp. 3353., WOS
- [1.1] LUO, M.-X. In QUANTUM INFORMATION PROCESSING, 2013, vol. 12, pp. 1701., WOS
- [1.1] LU, X.-M. In PHYSICAL REVIEW A, 2013, vol. 87, 050302., WOS
- [1.1] MA SONG-Ya. In CHINESE PHYSICS B, 2013, vol. 22, 110304., WOS
- [1.1] MARTIN, F. In NEUROQUANTOLOGY, 2013, vol. 11, pp. 16., WOS
- [1.1] MILNE, A. In PHYSICAL REVIEW A, 2014, vol. 90, 024302., WOS
- [1.1] OTHMANI, B. In QUANTUM INFORMATION PROCESSING, 2013, vol. 12, pp. 945., WOS
- [1.1] PANDEY, S. In PHYSICAL REVIEW A, 2013, vol. 88, 033852., WOS
- [1.1] PENG, J.-Y. In INTERNATIONAL JOURNAL OF MODERN

PHYSICS B, 2013, vol. 27, 135137., WOS

[1.1] PENG, J.-Y. In QUANTUM INFORMATION PROCESSING, 2013, vol. 12, pp. 3511., WOS

[1.1] PRUDENCIO, T. No-cloning theorem in thermofield dynamics. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION, 2012, vol. 10, 1230001., WOS

[1.1] RAEISI, Sadegh - TITTEL, Wolfgang - SIMON, Christoph. Proposal for Inverting the Quantum Cloning of Photons. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2012, vol. 108, no. 12, 120404., WOS

[1.1] RASTEGIN, Alexey E. OPTIMAL CLONING WITH RESPECT TO THE RELATIVE ERROR. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION, 2011, vol.9, no.5, 1341., WOS

[1.1] REID, M.D. In PHYSICAL REVIEW A, 2013, vol. 88, 062338., WOS

[1.1] REN, X. J. - XIANG, Y. - FAN, H. Optimal asymmetric & 4 quantum cloning in arbitrary dimension. In EUROPEAN PHYSICAL JOURNAL D, 2011, vol.65, no.3, 621., WOS

[1.1] SABERI, Hamed - MARDOUKHI, Yousof. Sequential quantum cloning under real-life conditions. In PHYSICAL REVIEW A. ISSN 1050-2947, 2012, vol. 85, no. 5, 052323., WOS

[1.1] SABERI, H. In PHYSICAL REVIEW A, 2013, vol. 88, 062315., WOS

[1.1] SAGLAM YUREK, E. Conditional detection. In PHYSICAL REVIEW LETTERS, 2012, vol. 108, 083602., WOS

[1.1] SEKINO, Y.- ISHIZAKA, S. In PHYSICAL REVIEW A, 2014, vol. 89, 034304., WOS

[1.1] SHEN YAO - HAO LIANG - LONG GUI-LU. Why Can We Copy Classical Information? In CHINESE PHYSICS LETTERS, 2011, vol.28, no.1., WOS

[1.1] SHEN, L.T. Distributed phase-covariant. In EUROPEAN PHYSICAL JOURNAL, 2012, vol. 66, 123., WOS

[1.1] SIOMAU, M. - FRITZSCHE, S. Quantum computing with mixed states. In EUROPEAN PHYSICAL JOURNAL D, 2011, vol.62, no.3, 449., WOS

[1.1] SONG PEI-JUN - LUE XIN-YOU - SI LIU-GANG - YANG XIAO-XUE. Deterministic generation of Greenberger-Horne-Zeilinger and W states for three distant atoms via adiabatic passage. In CHINESE PHYSICS B, 2011, vol.20, no.5., WOS

[1.1] SONG, H. In PHYSICAL REVIEW A, vol. 88, no. 4, 042121., WOS

[1.1] SONG, Qing-Min - FANG, Bao-Long - WU, Tao - YE, Liu. Optical realization of optimal symmetric universal and phase-covariant quantum cloning. In JOURNAL OF MODERN OPTICS, 2011, vol.58, no.2, 160., WOS

[1.1] SPEDALIERI, G.- WEEDBROOK, Ch.- PIRANDOLA, S. In JOURNAL OF PHYSICS A, 2013, vol. 46, 025304., WOS

[1.1] TARASOV, Vasily E. Fractional Dynamics of Open Quantum Systems. In FRACTIONAL DYNAMICS: APPLICATIONS OF FRACTIONAL CALCULUS TO DYNAMICS OF PARTICLES, FIELDS AND MEDIA, 2011, vol., no., 467., WOS

[1.1] TEH, N.J. On classical cloning. In STUDIES IN HISTORY AND PHILOSOPHY OF MODERN PHYSICS, 2012, vol. 43, pp. 47., WOS

[1.1] VALENTE, D. Universal optimal broadband photon cloning. In PHYSICAL REVIEW A, 2012, vol. 86, 022333., WOS

- [1.1] WANG, C.-R. Implementing W states. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2012, vol. 51, pp. 221., WOS
- [1.1] WANG, C.-R. In CHINESE PHYSICS LETTERS, 2013, vol. 30, 030302., WOS
- [1.1] WANG, Dong - YE, Liu. Optimizing Scheme for Remote Preparation of Four-particle Cluster-like Entangled States. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2011, vol.50, no.9, 2748., WOS
- [1.1] WANG, Xin-Wen - ZHANG, Deng-Yu - YANG, Guo-Jian - TANG, Shi-Qing - XIE, Li-Jun. Remote information concentration and multipartite entanglement in multilevel systems. In PHYSICAL REVIEW A, 2011, vol.84, no.4., WOS
- [1.1] WANG, Yi-Nan - SHI, Han-Duo - XIONG, Zhao-Xi - JING, Li - REN, Xi-Jun - MU, Liang-Zhu - FAN, Heng. Unified universal quantum cloning machine and fidelities. In PHYSICAL REVIEW A, 2011, vol.84, no.3., WOS
- [1.1] WANG, Yi-Nan - SHI, Han-Duo - JING, Li - XIONG, Zhao-Xi - LEI, Jin - MU, Liang-Zhu - FAN, Heng. Non-compression of quantum phase information. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2012, vol. 45, no. 2, 025304., WOS
- [1.1] WEN, J.-J. In JOURNAL OF THE KOREAN PHYSICAL SOCIETY, 2013, vol. 63, pp. 1696., WOS
- [1.1] WU, Tao - FANG, Bao-Long - YE, Liu. Implementation of a quantum cloning machine via an ion-trap system. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS. ISSN 0740-3224, 2012, vol. 29, no. 10, pp. 2749., WOS
- [1.1] WU, T. In CHINESE PHYSICS B, 2013, vol. 22, 110311., WOS
- [1.1] XIAO, Xiao-Qi - LIU, Jin-Ming. Assisted Cloning and Orthogonal Complementing of an Arbitrary Two-qubit State. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2011, vol.50, no.9, 2864., WOS
- [1.1] XIAO, Xiao-Qi - LIU, Jin-Ming. Scheme for assisted cloning an unknown arbitrary three-qubit state. In QUANTUM INFORMATION PROCESSING, 2011, vol.10, no.4, 567., WOS
- [1.1] XIONG, Wei - YE, Liu. Optimal real state quantum cloning machine in cavity quantum electrodynamics. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS, 2011, vol.28, no.9, 2260., WOS
- [1.1] XIONG, W. Tunable optimal quantum cloning machines. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B, 2012, vol. 29, pp. 901., WOS
- [1.1] XIONG, W. - YE, L. Robust schemes for the generation of multipartite entanglement for remote atoms with cross-Kerr nonlinearity. In EUROPEAN PHYSICAL JOURNAL D, 2011, vol.62, no.2, 265., WOS
- [1.1] YANG XIAO-LIN - ZHOU XIAO-QING - ZHAO HAN - WANG PENG-PENG. Data link layer of selective repeat protocol based on quantum teleportation. In ACTA PHYSICA SINICA. ISSN 1000-3290, 2012, vol. 61, no. 2, 020303., WOS
- [1.1] YAO, Y. In PHYSICAL REVIEW A, 2014, vol. 90, 022327., WOS
- [1.1] YE LIU - HU GUIYU - LI AIXIA. Implementing two optimal economical quantum cloning with superconducting quantum interference devices in a cavity. In SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY, 2011, vol.54, no.1, 115., WOS
- [1.1] YE LIU - XIONG WEI - LI AIXIA - GUO GUANGCAN. Implementing ancilla-free phase covariant quantum cloning with atoms trapped

in cavities. In SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY, 2011, vol.54, no.2, 262., WOS

[1.1] YU TAO - ZHU AI-DONG - ZHANG SHOU. Non local quantum cloning via quantum dots trapped in distant cavities. In CHINESE PHYSICS B. ISSN 1674-1056, 2012, vol. 21, no. 5, 050304., WOS

[1.1] YUAN, H. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2013, vol. 52, no. 4, pp. 1282., WOS

[1.1] YU, Y. In INTERNATIONAL JOURNAL OF MODERN PHYSICS B, 2013, vol. 27, 1350154., WOS

[1.1] ZHANG WENHAI - YU LONGBAO - YANG MING - CAO ZHUOLIANG. Quantum cloning with multicopy in d-dimensions. In SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY, 2011, vol.54, no.12, 2217., WOS

[1.1] ZHANG WEN-HAI - YU LONG-BAO - CAO ZHUO-LIANG - YE LIU. Optimal Phase-Covariant Cloning in 3 Dimensions. In COMMUNICATIONS IN THEORETICAL PHYSICS. ISSN 0253-6102, 2012, vol. 57, no. 6, pp. 991., WOS

[1.1] ZHANG, W.-H. Optimal cloning . In PHYSICAL REVIEW A, 2012, vol. 86, 022322., WOS

[1.1] ZHANG, Zhaoyang - TANG, Shiqing - XIE, Lijun - WANG, Xinwen. Effect of a Nonideal Initial-State of the Ancillary System on Optimal Universal Quantum Cloning. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2012, vol. 51, no. 3, pp. 805., WOS

[1.1] ZHAN, Y.-B. Deterministic joint assisted cloning. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2012, vol. 51, pp. 1655., WOS

[1.1] ZHOU, Y.-H. Scheme for implementing. In JOURNAL OF MODERN OPTICS, 2012, vol. 59, pp. 658., WOS

[1.1] ZHU, Xuanmin - PANG, Shengshi - WU, Shengjun - LIU, Quanhui. The classicality and quantumness of a quantum ensemble. In PHYSICS LETTERS A, 2011, vol.375, no.18, 1855., WOS

[1.2] ALVAREZ-RODRIGUEZ, U. - SANZ, M. - LAMATA, L. - SOLANO, E. - SOLANO, E. Biomimetic cloning of quantum observables. In Scientific Reports, 2014-05-09, 4, 4910., SCOPUS

[1.2] BAI, Ming Qiang - PENG, Jia Yin - PENG, Jia Yin - MO, Zhi Wen. Three schemes of remote information concentration based on ancilla-free phase-covariant telecloning. In Quantum Information Processing. ISSN 15700755, 2014-01-01, 13, 5, pp. 1067-1083., SCOPUS

[1.2] BARTKIEWICZ, Karol - BARTKIEWICZ, Karol - ČERNOCH, Antonín - LEMR, Karel - SOUBUSTA, Jan - STOBÍŇSKA, Magdalena - STOBÍŇSKA, Magdalena. Efficient amplification of photonic qubits by optimal quantum cloning. In Physical Review A Atomic, Molecular, and Optical Physics. ISSN 10502947, 2014-06-18, 89, 6, 062322., SCOPUS

[1.2] BISIO, Alessandro - D'ARIANO, Giacomo Mauro - PERINOTTI, Paolo - SEDLÁK, Michal - SEDLÁK, Michal. Optimal processing of reversible quantum channels. In Physics Letters, Section A: General, Atomic and Solid State Physics. ISSN 03759601, 2014-05-16, 378, 26-27, pp. 1797-1808., SCOPUS

[1.2] BOUCHER, G. - ECKSTEIN, A. - ORIEUX, A. - FAVERO, I. - LEO, G. - COUDREAU, T. - KELLER, A. - MILMAN, P. - DUCCI, S.

Polarization-entanglement generation and control in a counterpropagating phase-matching geometry. In *Physical Review A Atomic, Molecular, and Optical Physics*. ISSN 10502947, 2014-03-10, 89, 3, 033815., SCOPUS

[1.2] BRÁDLER, Kamil - ADAMI, Christoph. The capacity of black holes to transmit quantum information. In *Journal of High Energy Physics*. ISSN 11266708, 2014-01-01, 2014, 5, 095., SCOPUS

[1.2] CALSAMIGLIA, John. The occasional super clock-cloner. In *Nature Physics*. ISSN 17452473, 2014-02-01, 10, 2, pp. 91-92., SCOPUS

[1.2] FAN, Heng - FAN, Heng - WANG, Yi Nan - JING, Li - YUE, Jie Dong - SHI, Han Duo - ZHANG, Yong Liang - MU, Liang Zhu. Quantum cloning machines and the applications. In *Physics Reports*. ISSN 03701573, 2014-01-01, 544, 3, pp. 241-322., SCOPUS

[1.2] JIN, Zhao - JI, Yan Qiang - ZHU, Ai Dong - WANG, Hong Fu - ZHANG, Shou. A robust scheme for implementing optimal economical phase-covariant quantum cloning with quantum-dot spins in optical microcavities. In *Optics Communications*. ISSN 00304018, 2014-03-15, 315, pp. 265-269., SCOPUS

[1.2] JIN, Zhao - JI, Yan Qiang - ZHU, Ai Dong - WANG, Hong Fu - ZHANG, Shou. Deterministic implementation of optimal symmetric quantum cloning with nitrogen-vacancy centers coupled to a whispering-gallery microresonator. In *Journal of the Optical Society of America B: Optical Physics*. ISSN 07403224, 2014-01-01, 31, 10, pp. 2516-2523., SCOPUS

[1.2] KAK, Subhash. Measurement complexity and oracle quantum computing. In *NeuroQuantology*. ISSN 13035150, 2014-01-01, 12, 3, pp. 374-381., SCOPUS

[1.2] LIU, A. Peng - WEN, Jing Ji - CHENG, Liu Yong - SU, Shi Lei - CHEN, Li - WANG, Hong Fu - ZHANG, Shou - ZHANG, Shou. Quantum cloning based on iSWAP gate with nitrogen-vacancy centers in photonic crystal cavities. In *Optics Communications*. ISSN 00304018, 2014-12-15, 333, pp. 187-192., SCOPUS

[1.2] LIU, K. - GAO, J. R. Quantum conditional cloning of continuous variable entangled states. In *Journal of the European Optical Society*, 2014-12-22, 9, 14057., SCOPUS

[1.2] LI, Na - YE, Liu. Realizing various approximate quantum cloning with XY-type exchange interactions of flux qubits. In *International Journal of Modern Physics B*. ISSN 02179792, 2014-06-10, 28, 14, 14500817., SCOPUS

[1.2] PENG, Jia Yin - PENG, Jia Yin - LEI, Hong Xuan - MO, Zhi Wen. Faithful Remote Information Concentration Based on the Optimal Universal $1 \rightarrow 2$ Telecloning of Arbitrary Two-Qubit States. In *International Journal of Theoretical Physics*. ISSN 00207748, 2014-01-01, 53, 5, pp. 1637-1647., SCOPUS

[1.2] PENG, Jia Yin - PENG, Jia Yin - BAI, Ming Qiang - MO, Zhi Wen. Joint remote state preparation of a four-dimensional quantum state. In *Chinese Physics Letters*. ISSN 0256307X, 2014-01-01, 31, 1, 010301., SCOPUS

[1.2] REN, Xi Jun - FAN, Heng. Single-outcome information gain of qubit measurements on different state ensembles. In *Journal of Physics A: Mathematical and Theoretical*. ISSN 17518113, 2014-01-01, 30, 305302., SCOPUS

[1.2] SHANG, Tao - ZHAO, Xiao Jie - WANG, Chao - LIU, Jian Wei. Controlled quantum network coding scheme based on single controller. In *Tien*

Tzu Hsueh Pao/Acta Electronica Sinica. ISSN 03722112, 2014-01-01, 42, 10, pp. 1913-1917., SCOPUS

[1.2] STUDZIŃSKI, Michał - STUDZIŃSKI, Michał - ĆWIKLIŃSKI, Piotr - ĆWIKLIŃSKI, Piotr - HORODECKI, Michał - HORODECKI, Michał - MOZRZYMAS, Marek. Group-representation approach to $1 \rightarrow N$ universal quantum cloning machines. In Physical Review A Atomic, Molecular, and Optical Physics. ISSN 10502947, 2014-05-22, 89, 5, 052322., SCOPUS

[1.2] WANG, Ju Xia. Relevance between fidelity and degree of entanglement in the system of two-level atoms interacting with multi-mode fields. In Guangzi Xuebao/Acta Photonica Sinica. ISSN 10044213, 2014-01-01, 43, 3., SCOPUS

[1.2] WANG, Xin Wen - WANG, Xin Wen - TANG, Shi Qing - TANG, Shi Qing - XIE, Li Jun - ZHANG, Deng Yu - KUANG, Le Man. Many-to-one remote information concentration for qudits and multipartite entanglement. In Quantum Information and Computation. ISSN 15337146, 2014-01-01, 14, 1-2, pp. 122-136., SCOPUS

[1.2] XIAO, Xing - XIAO, Xing - YAO, Yao - ZHOU, Lei Ming - ZHOU, Lei Ming - WANG, Xiaoguang - WANG, Xiaoguang. Distribution of quantum Fisher information in asymmetric cloning machines. In Scientific Reports, 2014-01-01, 4, 7361., SCOPUS

[1.2] ZHANG, Jun - WU, Shao Xiong - YUA, Chang Shui. The roles of quantum correlations in quantum cloning. In European Physical Journal D. ISSN 14346060, 2014-01-01, 68, 12., SCOPUS

[1.2] ZHANG, Pei - ZHOU, Xiao Qing - LI, Zhi Wei. Identification scheme based on quantum teleportation for wireless communication networks. In Wuli Xuebao/Acta Physica Sinica. ISSN 10003290, 2014-07-05, 63, 13, 130301., SCOPUS

[1.2] ZHANG, Wen Hai - YU, Long Bao - CAO, Zhuo Liang - YE, Liu. Optimal $1 \rightarrow M$ phase-covariant cloning in three dimensions. In Chinese Physics B. ISSN 16741056, 2014-07-01, 23, 7, 070304., SCOPUS

[1.2] ZHANG, Wen - RUI, Pinshu - ZHANG, Ziyun - YANG, Qun. Probabilistically cloning two single-photon states using weak cross-Kerr nonlinearities. In New Journal of Physics. ISSN 13672630, 2014-01-01, 16, 083019., SCOPUS

[1.2] ZHANG, Xian Peng - SHEN, Li Tuo - YANG, Zhen Biao. Multi-atom entanglement engineering and phase-covariant quantum cloning with a single resonant interaction assisted by external driving. In Optics Communications. ISSN 00304018, 2014-12-01, 332, pp. 214-218., SCOPUS

ADCA121 BUŽEK, Vladimír - HILLERY, M. Quantum disentanglement and phase measurements. In *Czechoslovak Journal of Physics*, 1995, vol. 45, no. 9, p. 711-725. (0.330 - IF1994). (1995 - Current Contents, WOS, SCOPUS). ISSN 0011-4626.

Ohlasy:

[1.1] CARRANZA, Raul - GERRY, Christopher C. Photon-subtracted two-mode squeezed vacuum states and applications to quantum optical interferometry. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS. ISSN 0740-3224, 2012, vol. 29, no. 9, pp. 2581., WOS

[1.1] GERRY, Christopher C. - MIMIĆ, Jihane - ULHASAN, Z - HEMMER, PR - LEE, H - SANTORI, CM. Heisenberg-limited quantum sensing and metrology with superpositions of twin-Fock states. In ADVANCES IN PHOTONICS OF QUANTUM COMPUTING, MEMORY, AND

COMMUNICATION IV. PROCEEDINGS OF SPIE, 2011, vol.7948, 79480D.,
WOS

- ADCA122 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.

Ohlasy:

[1.1] HU, L.Y. Wigner function. In JOURNAL OF PHYSICS A, 2011, vol. 44, 195304., WOS

[1.1] SUBEESH, T. - SUDHIR, Vivishek. Phase properties of operator valued measures in phase space. In JOURNAL OF MODERN OPTICS. ISSN 0950-0340, 2013, vol. 60, no. 6, pp. 503., WOS

- ADCA123 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] DI CANDIA, R. - MENZEL, E. P. - ZHONG, L. - DEPPE, F. - MARX, A. - GROSS, R. - SOLANO, E. Dual-path methods for propagating quantum microwaves. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2014, vol. 16, 015001., WOS

[1.1] EICHLER, C. - BOZYIGIT, D. - LANG, C. - STEFFEN, L. - FINK, J. - WALLRAFF, A. Experimental State Tomography of Itinerant Single Microwave Photons. In PHYSICAL REVIEW LETTERS, 2011, vol.106, no.22., WOS

[1.1] EICHLER, C. - BOZYIGIT, D. - WALLRAFF, A. Characterizing quantum microwave radiation and its entanglement with superconducting qubits using linear detectors. In PHYSICAL REVIEW A. ISSN 1050-2947, 2012, vol. 86, no. 3, 032106., WOS

[1.1] FILIPPOV, Sergey N. - MAN&APOS;KO, Vladimir I. Measuring microwave quantum states: Tomogram and moments. In PHYSICAL REVIEW A, 2011, vol.84, no.3., WOS

[1.1] FILIPPOV, S. N. - MAN&APOS;KO, V. I. Evolution of Microwave Quantum States in Terms of Measurable Ordered Moments of Creation and Annihilation Operators. In OPTICS AND SPECTROSCOPY. ISSN 0030-400X, 2012, vol. 112, no. 3, pp. 365., WOS

[1.1] LI, Wen Zhang - SHEN, Li Tuo. Sudden death and birth of two-atom entanglement with two thermal fields in coupled cavities. In EUROPEAN PHYSICAL JOURNAL D. ISSN 1434-6060, 2013, vol. 67, no. 6, 111., WOS

[1.1] SHEN, Li-Tuo - YANG, Zhen-Biao - WU, Huai-Zhi - CHEN, Xin-Yu - ZHENG, Shi-Biao. Control of two-atom entanglement with two thermal fields in coupled cavities. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS. ISSN 0740-3224, 2012, vol. 29, no. 9, pp. 2379., WOS

- ADCA124 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] ALI, S. A. - CAFARO, C. - GIFFIN, A. - LUPO, C. - MANCINI, S. - GOYAL, P - GIFFIN, A - KNUTH, KH - VRSCAY, E. On a Differential

Geometric Viewpoint of Jaynes's; MaxEnt Method and Its Quantum Extension. In BAYESIAN INFERENCE AND MAXIMUM ENTROPY METHODS IN SCIENCE AND ENGINEERING. ISSN 0094-243X, 2012, vol. 1443, pp. 120., WOS

[1.1] GONCALVES, D. S. - LAVOR, C. - GOMES-RUGGIERO, M. A. - CESARIO, A. T. - VIANNA, R. O. - MACIEL, T. O. Quantum state tomography with incomplete data: Maximum entropy and variational quantum tomography. In PHYSICAL REVIEW A. ISSN 1050-2947, 2013, vol. 87, no. 5, 052140., WOS

[1.1] LA COUR, Brian R. A Locally Deterministic, Detector-Based Model of Quantum Measurement. In FOUNDATIONS OF PHYSICS. ISSN 0015-9018, 2014, vol. 44, no. 10, pp. 1059., WOS

[1.1] OLIVARES, S. - PARIS, M. G. A. Quantum estimation of states and operations from incomplete data. In EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS. ISSN 1951-6355, 2012, vol. 203, no. 1, pp. 185., WOS

[1.1] RAU, Jochen. Appearance of Gibbs states in quantum-state tomography. In PHYSICAL REVIEW A. ISSN 1050-2947, 2014, vol. 90, no. 6, 062114., WOS

[1.1] RAU, Jochen. Inferring the Gibbs state of a small quantum system. In PHYSICAL REVIEW A, 2011, vol.84, no.1, 012101., WOS

[1.1] STEPHAN, Weis. Continuity of the Maximum-Entropy Inference. In COMMUNICATIONS IN MATHEMATICAL PHYSICS. ISSN 0010-3616, 2014, vol. 330, no. 3, pp. 1263., WOS

[1.1] THILAGAM, A. Exciton propagation via quantum walks based on non-Hermitian coin flip operations. In JOURNAL OF MATHEMATICAL CHEMISTRY. ISSN 0259-9791, 2014, vol. 52, no. 8, pp. 2141., WOS

[1.1] USENKO, Constantin V. - DIOSI, L - ELZE, HT - FRONZONI, L - HALLIWELL, JJ - PRATI, E - VITIELLO, G - YEARSLEY, J. Entanglement and Complexity of Measurement. In 6TH INTERNATIONAL WORKSHOP DICE2012 SPACETIME MATTER QUANTUM MECHANICS: FROM THE PLANCK SCALE TO EMERGENT PHENOMENA. ISSN 1742-6588, 2013, vol. 442, UNSP 012061., WOS

ADCA125 BUŽEK, Vladimír - DROBNÝ, Gabriel. Quantum tomography via the MaxEnt principle. In *Journal of Modern Optics*, 2000, vol. 47, no. 14/15, p. 2823-2839. (1.475 - IF1999). ISSN 0950-0340.

Ohlasy:

[1.1] CHRZANOWSKI, H. M. - ASSAD, S. M. - BERNU, J. - HAGE, B. - LUND, A. P. - RALPH, T. C. - LAM, P. K. - SYMUL, T. Reconstruction of photon number conditioned states using phase randomized homodyne measurements. In JOURNAL OF PHYSICS B. ISSN 0953-4075, 2013, vol. 46, no. 10, 104009., WOS

[1.1] MURAO, Mio. Evaluation of Estimation Precision in Quantum Tomography. In SUGIYAMA, T. FINITE SAMPLE ANALYSIS IN QUANTUM ESTIMATION. ISSN 2190-5053. Springer, 2014, pp. 37-87., WOS

[1.1] RAU, Jochen. Appearance of Gibbs states in quantum-state tomography. In PHYSICAL REVIEW A. ISSN 1050-2947, 2014, vol. 90, no. 6, 062114., WOS

[1.1] RAU, Jochen. Inferring the Gibbs state of a small quantum system. In PHYSICAL REVIEW A, 2011, vol.84, no.1., WOS

[1.1] SUGIYAMA, Takanori - TURNER, Peter S. - MURAO, Mio. Error probability analysis in quantum tomography: A tool for evaluating experiments. In *PHYSICAL REVIEW A*, 2011, vol.83, no.1., WOS

ADCA126 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] DI CANDIA, R. - MENZEL, E. P. - ZHONG, L. - DEPPE, F. - MARX, A. - GROSS, R. - SOLANO, E. Dual-path methods for propagating quantum microwaves. In *NEW JOURNAL OF PHYSICS*. ISSN 1367-2630, 2014, vol. 16, 015001., WOS

[1.1] NOORMANDIPOUR, A. - TAVASSOLY, M. K. f-Deformed Squeezed Vacuum and First Excited States, Their Superposition and Corresponding Nonclassical Properties. In *COMMUNICATIONS IN THEORETICAL PHYSICS*. ISSN 0253-6102, 2014, vol. 61, no. 4, pp. 521., WOS

[1.1] SPARACIARI, Carlo - OLIVARES, Stefano - TICOZZI, Francesco - PARIS, Matteo G. A. Exact and approximate solutions for the quantum minimum-Kullback-entropy estimation problem. In *PHYSICAL REVIEW A*. ISSN 1050-2947, 2014, vol. 89, no. 4, 042124., WOS

[1.1] TEO, Yong Siah - STOKLASA, Bohumil - ENGLERT, Berthold-Georg - REHACEK, Jaroslav - HRADIL, Zdenek. Incomplete quantum state estimation: A comprehensive study. In *PHYSICAL REVIEW A*. ISSN 1050-2947, 2012, vol. 85, no. 4, 042317., WOS

[1.1] TEO, Yong Siah - ZHU, Huangjun - ENGLERT, Berthold-Georg - REHACEK, Jaroslav - HRADIL, Zdenek. Quantum-State Reconstruction by Maximizing Likelihood and Entropy. In *PHYSICAL REVIEW LETTERS*, 2011, vol.107, no.2, 020404., WOS

ADCA127 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.

Ohlasy:

[1.1] BRIF, C.-CHAKRABARTI, R.-RABITZ, H. Control of quantum phenomena. In *ADVANCES IN CHEMICAL PHYSICS*, 2012, vol. 148, pp. 1-76., WOS

[1.1] DOBEK, K. Experimental extraction. In *PHYSICAL REVIEW LETTERS*, 2011, vol. 106, 030501., WOS

[1.1] FLAMMIA, S.T. Quantum tomography. In *NEW JOURNAL OF PHYSICS*, 2012, vol. 14, 095022., WOS

[1.1] FU, Ch.H- HU, Z.N. Quantum teleportation. In *COMMUNICATIONS IN THEORETICAL PHYSICS*, 2013, vol. 59, pp. 398-406., WOS

[1.1] CHAKRABARTI, R.-GHOSH, A. Optimal state estimation. In *PHYSICAL REVIEW A*, 2012, vol. 85, no. 3, 032305., WOS

[1.1] RAU, J. In *PHYSICAL REVIEW A*, 2014, vol. 90, 062114., WOS

[1.1] RAU, J. Inferring the Gibbs state. In *PHYSICAL REVIEW A*, 2011, vol. 84, 012101., WOS

[1.1] ROHLING, N.- BURKARD, G. Tomography scheme for two spin-1/2

qubits in a double quantum dot. In PHYSICAL REVIEW B, 2013, vol. 88, 085402., WOS

[1.1] TANAKA, F. Noninformative prior in the quantum statistical model of pure states. In PHYSICAL REVIEW A, 2012, vol. 85, no. 6, 062305., WOS

ADCA128 BUŽEK, Vladimír - DROBNÝ, Gabriel - ADAM, G. - DERKA, R. - KNIGHT, P.L. Reconstruction of quantum states of spin systems via the Jaynes principle of maximum entropy. In *Journal of Modern Optics*, 1997, vol. 44, no. 11, p. 2607-2627. ISSN 0950-0340.

Ohlasy:

[1.1] RAU, Jochen. Appearance of Gibbs states in quantum-state tomography. In PHYSICAL REVIEW A. ISSN 1050-2947, 2014, vol. 90, no. 6, 062114., WOS

[1.1] SPARACIARI, Carlo - OLIVARES, Stefano - TICOZZI, Francesco - PARIS, Matteo G. A. Exact and approximate solutions for the quantum minimum-Kullback-entropy estimation problem. In PHYSICAL REVIEW A. ISSN 1050-2947, 2014, vol. 89, no. 4, 042124., WOS

[1.1] ZORZI, Mattia - TICOZZI, Francesco - FERRANTE, Augusto. Minimum Relative Entropy for Quantum Estimation: Feasibility and General Solution. In IEEE TRANSACTIONS ON INFORMATION THEORY. ISSN 0018-9448, 2014, vol. 60, no. 1, pp. 357., WOS

[1.1] WOS

ADCA129 BUŽEK, Vladimír. Reconstruction of Liouvillian superoperators. In *Physical Review A*, 1998, vol. 58, no. 3, p. 1723-1727. ISSN 1050-2947.

Ohlasy:

[1.1] FERRIE, Christopher. Quantum model averaging. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2014, vol. 16, 093035., WOS

[1.1] JONES, Jonathan A. Quantum computing with NMR. In PROGRESS IN NUCLEAR MAGNETIC RESONANCE SPECTROSCOPY, 2011, vol.59, no.2, 91., WOS

[1.1] MURAO, Mio. Evaluation of Estimation Precision in Quantum Tomography. In FINITE SAMPLE ANALYSIS IN QUANTUM ESTIMATION. ISSN 2190-5053, 2014, pp. 37-87., WOS

[1.1] STENHOLM, Stig - JAEGER, G - KHRENNIKOV, A - SCHLOSSHAUER, M - WEIHS, G. What little we remember. In ADVANCES IN QUANTUM THEORY, AIP CONFERENCE PROCEEDINGS, 2011, vol.1327, p. 231-239., WOS

[1.1] TIMM, Carsten. Time-convolutionless master equation for quantum dots: Perturbative expansion to arbitrary order. In PHYSICAL REVIEW B, 2011, vol.83, no.11., WOS

ADCA130 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.

Ohlasy:

[1.1] ABDALLA, M. Sebaweh - OBADA, A. S-F - KHALIL, E. M. - MOHAMED, A-B A. Wehrl entropy information and purity of a SC charge qubit interacting with a lossy cavity field. In SOLID STATE COMMUNICATIONS. ISSN 0038-1098, 2014, vol. 184, pp. 56., WOS

- [1.1] ABDEL-KHALEK, Sayed - PLASTINO, Angelo - OBADA, Abdel-Shafy Fahmy. Interplay of information quantifiers and the modified Jaynes-Cummings model. In CENTRAL EUROPEAN JOURNAL OF PHYSICS, 2011, vol.9, no.6, 1426., WOS
- [1.1] ABDEL-KHALEK, S. New aspects of field entropy. In CHINESE PHYSICS LETTERS, 2011, vol. 28, 120305., WOS
- [1.1] ABDEL-KHALEK, S. - AHMED, M. M. A. - OBADA, A-S F. New Aspects of Field Entropy Squeezing as an Indicator for Mixed State Entanglement in an Effective Two-Level System with Stark Shift. In CHINESE PHYSICS LETTERS, 2011, vol.28, no.12., WOS
- [1.1] ABDEL-KHALEK, S. - ABDEL-HAMEED, H. F. - ABDEL-ATY, M. ATOMIC WEHRL ENTROPY OF A SINGLE QUBIT SYSTEM. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION, 2011, vol.9, no.3, 967., WOS
- [1.1] ABDEL-KHALEK, S. - ALMALKI, M. S. ENTANGLEMENT FOR JAYNES CUMMINGS MODEL IN THE PRESENCE MULTI-PHOTON PROCESS UNDER DECOHERENCE EFFECT. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION. ISSN 0219-7499, 2013, vol. 11, no. 3, 1350026., WOS
- [1.1] ABDEL-KHALEK, S. - BERRADA, K. - ELEUCH, H. - ABEL-ATY, M. Dynamics of Wehrl entropy of a degenerate two-photon process with a nonlinear medium. In OPTICAL AND QUANTUM ELECTRONICS, 2011, vol.42, no.14-15, 887., WOS
- [1.1] ABDEL-KHALEK, S. - BARZANJEH, S. - ELEUCH, H. Entanglement Sudden Death and Sudden Birth in Semiconductor Microcavities. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2011, vol.50, no.9, 2939., WOS
- [1.1] ADESSO, Gerardo - GIROLAMI, Davide - SERAFINI, Alessio. Measuring Gaussian Quantum Information and Correlations Using the Renyi Entropy of Order 2. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2012, vol. 109, no. 19, 190502., WOS
- [1.1] GUO, Qin - YUAN, Wen - FAN, Hong-Yi. New approach for solving the Wigner function from the Husimi function in the two-mode entangled state representation. In OPTIK. ISSN 0030-4026, 2014, vol. 125, no. 18, pp. 5303., WOS
- [1.1] HEESE, Raoul - FREYBERGER, Matthias. Entropic uncertainty relation for pointer-based simultaneous measurements of conjugate observables. In PHYSICAL REVIEW A. ISSN 1050-2947, 2013, vol. 87, no. 1, 012123., WOS
- [1.1] HEESE, Raoul - FREYBERGER, Matthias. Pointer-based simultaneous measurements of conjugate observables in a thermal environment. In PHYSICAL REVIEW A. ISSN 1050-2947, 2014, vol. 89, no. 5, 052111., WOS
- [1.1] NATH, Debraj - DAS, P. K. INTERACTION OF A THREE-LEVEL ATOM WITH A SINGLE-MODE FIELD IN A TWO PHOTON RESONANT CAVITY. In INTERNATIONAL JOURNAL OF MODERN PHYSICS B, 2011, vol.25, no.3, 417., WOS
- [1.1] OBADA, A.S. F. - ABDEL-KHALEK, S. - PLASTINO, A. Information quantifiers's description of weak field vs. strong field dynamics for a trapped ion in a laser field. In PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS, 2011, vol.390, no.3, 525., WOS

[1.1] OBADA, A-S F. - MOHAMED, A-B A. Erasing information and purity of a quantum dot via its spontaneous decay. In SOLID STATE COMMUNICATIONS, 2011, vol.151, no.23, 1824., WOS

ADCA131 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.

Ohlasy:

[1.1] ABDALLA, M. Sebaweh - OBADA, A. S-F - KHALIL, E. M. - MOHAMED, A-B A. Wehrl entropy information and purity of a SC charge qubit interacting with a lossy cavity field. In SOLID STATE COMMUNICATIONS. ISSN 0038-1098, 2014, vol. 184, pp. 56., WOS

[1.1] ABDEL-KHALEK, S. - ABDEL-HAMEED, H. F. - ABDEL-ATY, M. ATOMIC WEHRL ENTROPY OF A SINGLE QUBIT SYSTEM. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION, 2011, vol.9, no.3, 967., WOS

[1.1] DODONOV, V. V. - VALVERDE, C. - SOUZA, L. S. - BASEIA, B. Classicalization times of parametrically amplified "Schrodinger cat" states coupled to phase-sensitive reservoirs. In PHYSICS LETTERS A, 2011, vol.375, no.42, 3668., WOS

[1.1] NATH, Debraj - DAS, P. K. INTERACTION OF A THREE-LEVEL ATOM WITH A SINGLE-MODE FIELD IN A TWO PHOTON RESONANT CAVITY. In INTERNATIONAL JOURNAL OF MODERN PHYSICS B, 2011, vol.25, no.3, 417., WOS

[1.1] OBADA, A-S F. - MOHAMED, A-B A. Erasing information and purity of a quantum dot via its spontaneous decay. In SOLID STATE COMMUNICATIONS, 2011, vol.151, no.23, 1824., WOS

ADCA132 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.

Ohlasy:

[1.1] ABDALLA, M. Sebawe - KHALIL, E. M. - OBADA, A. S.F. Exact treatment of the Jaynes-Cummings model under the action of an external classical field. In ANNALS OF PHYSICS, 2011, vol.326, no.9, 2486., WOS

[1.1] ABDALLA, M. Sebawe - KHALIL, E. M. Two coupled oscillators in the form of a frequency converter in interaction with a single atom via two-photon processes. In JOURNAL OF RUSSIAN LASER RESEARCH. ISSN 1071-2836, 2012, vol. 33, no. 4, pp. 336., WOS

[1.1] ABDEL-KHALEK, S. - NOFAL, T. A. Correlation and entanglement of a three-level atom inside a dissipative cavity. In PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS, 2011, vol.390, no.13, 2626., WOS

[1.1] BERRADA, K. - ABDEL-KHALEK, S. Entanglement of atom-field interaction for nonlinear optical fields. In PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES, 2011, vol.44, no.3, 628., WOS

[1.1] EIED, A. A. - HANOURA, S. A. - OBADA, A.S. F. Quantum Entropy of a Four-Level Atom with Arbitrary Nonlinearities. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2012, vol. 51, no. 9, pp. 2665., WOS

- [1.1] ESCALANTE, Jose M. - MARTINEZ, Alejandro - DURT, T - ZADKOV, VN. Theoretical study about the behavior of two-level systems inside of optomechanical cavity where mechanical oscillations are induced. In QUANTUM OPTICS II. ISSN 0277-786X, 2012, vol. 8440, 84400R., WOS
- [1.1] HESSIAN, H.;A. Entanglement and purity. In QUANTUM INFORMATION PROCESSING, 2011, vol. 10, P. 543., WOS
- [1.1] KADRY, H. In INTERNATIONAL CONFERENCE ON COMPUTER AND INFORMATION SCIENCES (ICCOINS), Jun 3-5, 2014, Malaysia., WOS
- [1.1] KHALIL, E. M. - ABDALLA, M. Sebawe. Entropic uncertainty for two atoms interacting with a cavity field under the influence of two photons (off-resonance case). In JOURNAL OF RUSSIAN LASER RESEARCH. ISSN 1071-2836, 2012, vol. 33, no. 2, pp. 128., WOS
- [1.1] KHALIL, E. M. - AHMED, M. M. A. - OBADA, A.S. F. ENTANGLEMENT OF A TWO-LEVEL ATOM INTERACTING WITH A NEW STRUCTURE OF A GENERALIZED NONLINEAR STARK SHIFT VIA Xi CONFIGURATION. In INTERNATIONAL JOURNAL OF MODERN PHYSICS B, 2011, vol.25, no.19, 2621., WOS
- [1.1] LIAO, Q. H. - FANG, G. Y. - WANG, Y. Y. - AHMAD, M. A. - LIU, S. Entanglement swapping in two independent Jaynes-Cummings models. In EUROPEAN PHYSICAL JOURNAL D, 2011, vol.61, no.2, 475., WOS
- [1.1] NATH, Debraj - DAS, P. K. INTERACTION OF A THREE-LEVEL ATOM WITH A SINGLE-MODE FIELD IN A TWO PHOTON RESONANT CAVITY. In INTERNATIONAL JOURNAL OF MODERN PHYSICS B, 2011, vol.25, no.3, 417., WOS
- [1.1] OBADA, A.S. F. - ABO-KAHLA, D. A. M. - METWALLY, N. - ABDEL-ATY, M. The quantum computational speed of a single Cooper-pair box. In PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES, 2011, vol.43, no.10, 1792., WOS
- [1.1] OBADA, A.S. F. - KHALIL, E. M. - ABDEL-KHALEK, S. - ALI, S. I. New features of a single-mode nonlinear Stark shift in the presence of phase damping. In OPTICS COMMUNICATIONS. ISSN 0030-4018, 2012, vol. 285, no. 10-11, pp. 2675., WOS
- [1.1] OPATRNY, Tomas - MOLMER, Klaus. Spin squeezing and Schrodinger-cat-state generation in atomic samples with Rydberg blockade. In PHYSICAL REVIEW A. ISSN 1050-2947, 2012, vol. 86, no. 2, 023845., WOS
- [1.1] SEN, Surajit - NATH, Mihir Ranjan - DEY, Tushar Kanti - GANGOPADHYAY, Gautam. Bloch space structure, the qutrit wavefunction and atom-field entanglement in three-level systems. In ANNALS OF PHYSICS. ISSN 0003-4916, 2012, vol. 327, no. 2, pp. 224., WOS
- [1.2] ABDALLA, Mohammed Sebawe - AHMED, Mohamed M A - KHALIL, Elsayed Moustafa Ahmed - OBADA, Abdel Shafy Fahmy. Dynamics of an adiabatically effective two-level atom interacting with a star-like system. In Progress of Theoretical and Experimental Physics, 2014-01-01, 2014, 7., SCOPUS
- [1.2] ABDEL-KHALEK, Sayed. Quantum Fisher information for moving three-level atom. In Quantum Information Processing. ISSN 15700755, 2013-12-01, 12, 12, pp. 3761-3769., SCOPUS
- [1.2] AHMED, Abdel Haleem M - CHEONG, Leeyen - ZAKARIA, Nordin B. - METWALLY, Nasser. Dynamics of Information Coded in a Single Cooper Pair Box. In International Journal of Theoretical Physics. ISSN 00207748,

2013-06-01, 52, 6, pp. 1979-1988., SCOPUS

[1.2] BAGHSHAHI, Hamid Reza - TAVASSOLY, Mohammad Kazem - BEHJAT, Abbas. Entropy squeezing and atomic inversion in the k-photon Jaynes Cummings model in the presence of the Stark shift and a Kerr medium: A full nonlinear approach. In Chinese Physics B. ISSN 16741056, 2014-07-01, 23, 7, 074203., SCOPUS

[1.2] BAGHSHAHI, Hamid Reza - TAVASSOLY, Mohammad Kazem. Entanglement, quantum statistics and squeezing of two Ξ -type three-level atoms interacting nonlinearly with a single-mode field. In Physica Scripta. ISSN 00318949, 2014-07-01, 89, 7, 075101., SCOPUS

[1.2] BAKEMEIER, L. - ALVERMANN, Andreas - FEHSKE, Holger. Dynamics of the Dicke model close to the classical limit. In Physical Review A Atomic, Molecular, and Optical Physics. ISSN 10502947, 2013-10-21, 88, 4, 043835., SCOPUS

[1.2] BENENTI, Giuliano - SICCARDI, Stefano - STRINI, Giuliano. Nonperturbative interpretation of the Bloch vector's path beyond the rotating-wave approximation. In Physical Review A Atomic, Molecular, and Optical Physics. ISSN 10502947, 2013-09-05, 88, 3, 033814., SCOPUS

[1.2] DOOLEY, Shane - MCCROSSAN, Francis - HARLAND, Derek - EVERITT, Mark J. - SPILLER, Timothy P. Collapse and revival and cat states with an N-spin system. In Physical Review A Atomic, Molecular, and Optical Physics. ISSN 10502947, 2013-05-24, 87, 5, 052323., SCOPUS

[1.2] DOOLEY, Shane - SPILLER, Timothy P. Fractional revivals, multiple-Schrödinger-cat states, and quantum carpets in the interaction of a qubit with N qubits. In Physical Review A Atomic, Molecular, and Optical Physics. ISSN 10502947, 2014-07-14, 90, 1, 012320., SCOPUS

[1.2] HESSIAN, Hosny Ammar - MOHAMED, Abdel Baset A. Purity loss and degradation of qubit-field correlations and entanglement due to phase noise in nonlinear interaction. In Optics and Spectroscopy (English translation of Optika i Spektroskopiya). ISSN 0030400X, 2014-01-01, 117, 3, pp. 474-479., SCOPUS

[1.2] KADRY, Heba - CHEONG, Leeyen - ZAKARIA, Nordin B. Information entropy of multi-photon field interacting with single-qubit circuit. In Proceedings 2013 IEEE 3rd International Conference on System Engineering and Technology, ICSET 2013, 2013-12-31, pp. 183-187., SCOPUS

[1.2] KADRY, Heba - ZAKARIA, Nordin B. - CHEONG, Leeyen - ABDEL-ATY, Mahmoud. Entropy squeezing of multi-photon field interacting with a single Cooper-pair box. In Optik. ISSN 00304026, 2014-01-01, 125, 18, pp. 5134-5140., SCOPUS

[1.2] LIAO, Qinghong - AHMAD, Muhammad Ashfaq. Entropy squeezing of atom and the generation of Schrödinger-cat states in the three-photon Jaynes-Cummings model. In Optik. ISSN 00304026, 2013-06-01, 124, 12, pp. 1083-1088., SCOPUS

[1.2] LIAO, Qinghong - LIU, Ye - YAN, Qiurong - AHMAD, Muhammad Ashfaq. Entanglement dynamics and quasiprobability distribution for the degenerate Raman process. In Optik. ISSN 00304026, 2014-03-01, 125, 6, pp. 1739-1744., SCOPUS

[1.2] LIAO, Qinghong - YAN, Qiurong - LIU, Ye - AHMAD, Muhammad Ashfaq. Entropy and entanglement of a moving atom interacting with different initial fields. In Guangzi Xuebao/Acta Photonica Sinica. ISSN 10044213,

2013-10-01, 42, 10, pp. 1248-1255., SCOPUS

[1.2] OBADA, Abdel Shafy Fahmy - HANOURA, Sadek Ahmed - EIED, A. A. Entanglement for a general formalism of a three-level atom in a V-configuration interacting nonlinearly with a non-correlated two-mode field. In Laser Physics. ISSN 1054660X, 2013-05-01, 23, 5, 055201., SCOPUS

[1.2] OBADA, Abdel Shafy Fahmy - HANOURA, Sadek Ahmed - EIED, A. A. Entropy of a general three-level atom interacting with a two mode. In Laser Physics. ISSN 1054660X, 2013-02-01, 23, 2, 025201., SCOPUS

[1.2] OBADA, Abdel Shafy Fahmy - AHMED, Mohamed Mobasher A - KHALIL, Elsayed Moustafa Ahmed - ALI, S. I. Entangled two two-level atoms interacting with a cavity field in the presence of the stark shift terms. In Optics Communications. ISSN 00304018, 2013-01-15, 287, pp. 215-223., SCOPUS

[1.2] OBADA, Abdel Shafy Fahmy - HANOURA, Sadek Ahmed - EIED, Abdel Hameed A. Collapse-revival phenomenon for different configurations of a three-level atom interacting with a field via multi-photon process and nonlinearities. In European Physical Journal D. ISSN 14346060, 2014-02-01, 68, 2, 18., SCOPUS

[1.2] OBADA, A-S.F. Entanglement in a system of a three-level atom interacting with a single-mode field in the presence of arbitrary forms of the nonlinearity and of the atomic initial state. In Laser Physics. ISSN 1054660X, 2014-01-01, 24, 5, 055201., SCOPUS

[1.2] QUESADA, Nicolás - SANPERA, Anna. Bound entanglement in the Jaynes-Cummings model. In Journal of Physics B: Atomic, Molecular and Optical Physics. ISSN 09534075, 2013-11-28, 46, 22, 224002., SCOPUS

ADCA133 BUŽEK, Vladimír. Subradiation versus superradiation from a system of a spatially distributed 2-level atoms. In *Zeitschrift fur Physik D*, 1990, vol. 17, no. 2, p. 91-100. ISSN 0178-7683.

Ohlasy:

[1.1] LIAO, Zeyang - ZUBAIRY, M. Suhail. Single-photon modulation by the collective emission of an atomic chain. In PHYSICAL REVIEW A. ISSN 1050-2947, 2014, vol. 90, no. 5, 053805., WOS

ADCA134 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.

Ohlasy:

[1.1] AGARWAL, Girish S. Non-Gaussian nonclassical states. In QUANTUM OPTICS, 2013, pp. 76., WOS

[1.1] AHMAD MUHAMMAD ASHFAQ. Nonclassical features. In JOURNAL OFS MODERN OPTICS, 2011, vol. 58, p. 890., WOS

[1.1] BUKHARI, Syed Hamad - HUSSAIN, Muhammad Iqbal - KHAN, Salman Naeem - AHMAD, Muhammad Ashfaq. Nonclassicality of two-mode nonorthogonal states. In OPTIK. ISSN 0030-4026, 2012, vol. 123, no. 24, pp. 2288., WOS

[1.1] EL ALLATI, A. - ROBLES-PEREZ, S. - HASSOUNI, Y. - GONZALEZ-DIAZ, P. F. Non-classicality versus channel capacity for a superposition of entangled coherent states. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2013, vol. 12, no. 7, pp. 2587., WOS

[1.1] KUMAR, Pankaj - KUMAR, Rakesh. Simultaneous higher-order Hong

and Mandel's squeezing of both quadrature components in orthogonal even coherent state. In OPTIK. ISSN 0030-4026, 2013, vol. 124, no. 15, pp. 2229., WOS

[1.1] LIU, X-M - LI, B. Even and odd nonlinear charge coherent states and their nonclassical properties. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2012, vol. 45, no. 41, 415307., WOS

[1.1] MARIAN, Paulina - GHIU, Iulia - MARIAN, Tudor A. Gaussification through decoherence. In PHYSICAL REVIEW A. ISSN 1050-2947, 2013, vol. 88, no. 1, 012316., WOS

[1.1] McKEOWN, G. Testing quantum contextuality. In PHYSICAL REVIEW A, 2011, vol. 83, 062105., WOS

[1.1] MENG, X.G. New bipartite coherent-entangled state. In OPTICS COMMUNICATIONS, 2011, vol. 284, P. 2070., WOS

[1.1] MOHAMED, A.B. Loss of coherence of pure and mixed states. In JOURNAL OF RUSSIAN RESEARCH, 2011, vol. 32, p. 518., WOS

[1.1] NATION, P. D. Nonclassical mechanical states in an optomechanical micromaser analog. In PHYSICAL REVIEW A. ISSN 1050-2947, 2013, vol. 88, no. 5, 053828., WOS

[1.1] PRAKASH, Hari - KUMAR, Pankaj. Non-classical properties of superposition of two coherent states having phase difference ϕ . In OPTIK, 2011, vol.122, no.12, 1058., WOS

[1.1] PRAKASH, Hari - KUMAR, Rakesh - KUMAR, Pankaj. Higher-order Hong-Mandel's squeezing in superposed coherent states. In OPTICS COMMUNICATIONS, 2011, vol.284, no.1, 289., WOS

[1.1] YANG, S. Coherence and antibunching. In PHYSICAL REVIEW B, 2011, vol. 84, 024515., WOS

[1.2] BAN, Masashi - KITAJIMA, Sachiko - SHIBATA, Fumiaki. Quadrature operators with arbitrary phase and applications to phase-space distribution and quantum communication. In Journal of Modern Optics. ISSN 09500340, 2014-01-01, 61, 7, pp. 582-607., SCOPUS

[1.2] CHEN, Qianfan - FAN, Hongyi. Multiphoton Laguerre polynomial state as minimum uncertainty states of intensity-dependent squeezing. In Canadian Journal of Physics. ISSN 00084204, 2014-01-01, 92, 9, pp. 1016-1020., SCOPUS

[1.2] CHOI, Jeongryeol - LAKEHAL, Samira - MAAMACHE, Mustapha - MENOUE, Salah. Quantum analysis of modified Caldirola-Kanai oscillator model for electromagnetic fields in time-varying plasma. In Progress in Electromagnetics Research Letters. ISSN 19376480, 2014-01-01, 44, pp. 71-79., SCOPUS

[1.2] KARIMI, Amir - TAVASSOLY, Mohammad Kazem. Quantum engineering and nonclassical properties of $SU(1,1)$ and $SU(2)$ entangled nonlinear coherent states. In Journal of the Optical Society of America B: Optical Physics. ISSN 07403224, 2014-01-01, 31, 10, pp. 2345-2353., SCOPUS

[1.2] OBADA, Abdel Shafy Fahmy - ABDEL-KHALEK, Sayed - SHAHEEN, Mahboob E. Quantum information features attendant to atomic spontaneous decay. In Applied Mathematics and Information Sciences. ISSN 19350090, 2014-05-01, 8, 3, pp. 1167-1172., SCOPUS

[1.2] SIVAKUMAR, Sri V. Truncated Coherent States and Photon-Addition. In International Journal of Theoretical Physics. ISSN 00207748, 2014-01-01, 53, 5, pp. 1697-1709., SCOPUS

ADCA135 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.

Ohlasy:

[1.1] DEHGHANI, Alireza - MOJAVERI, Bashir. Generalized $su(2)$ coherent states for the Landau levels and their nonclassical properties. In *EUROPEAN PHYSICAL JOURNAL D*. ISSN 1434-6060, 2013, vol. 67, no. 12, 179., WOS

[1.1] FENG, Chen - CHEN JUN-HUA - FAN, Hong-yi. Correspondence Between the Operational Element of an Amplitude Damping Harmonic Oscillator to the Kraus Operator of the Master Equation for Dissipation. In *INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS*. ISSN 0020-7748, 2013, vol. 52, no. 7, pp. 2407., WOS

[1.1] CHEN FENG - FAN HONGYI. A new approach to the time evolution of characteristic function of the density operator obtained by virtue of thermal entangled state representation. In *SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY*. ISSN 1674-7348, 2012, vol. 55, no. 11, pp. 2076., WOS

[1.1] CHEN FENG - FAN HONG-YI. Evolution law of a negative binomial state in an amplitude dissipative channel. In *CHINESE PHYSICS B*. ISSN 1674-1056, 2014, vol. 23, no. 3, 030304., WOS

[1.1] KUANG, Qing-Qiang - HU, Li-Yun. BIPARTITE SQUEEZING OPERATOR FROM COHERENT ENTANGLED STATE GENERATED BY ASYMMETRIC BEAMSPLITTER. In *MODERN PHYSICS LETTERS B*, 2011, vol.25, no.6, 391., WOS

[1.1] MENG, Xiang-guo - WANG, Zhen - WANG, Ji-suo - FAN, Hong-yi. Wigner function, optical tomography of two-variable Hermite polynomial state, and its decoherence effects studied by the entangled-state representations. In *JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS*. ISSN 0740-3224, 2013, vol. 30, no. 6, pp. 1614., WOS

[1.1] MIHALCEA, Bogdan M. Semiclassical dynamics for an ion confined within a nonlinear electromagnetic trap. In *PHYSICA SCRIPTA*, 2011, vol.T143, 014018., WOS

[1.1] MOJAVERI, B. Klauder-Perelomov and Gazeau-Klauder coherent states for an electron in the Morse-like magnetic field. In *EUROPEAN PHYSICAL JOURNAL D*. ISSN 1434-6060, 2013, vol. 67, no. 5, 105., WOS

[1.1] POPOV, Dusan - SAJFERT, Vjekoslav - POP, Nicolina - CHIRITOIU, Viorel. About a new family of coherent states for some $SU(1,1)$ central field potentials. In *JOURNAL OF MATHEMATICAL PHYSICS*. ISSN 0022-2488, 2013, vol. 54, no. 3, 032103., WOS

[1.1] REN, Gang - MA, Jian-guo - DU, Jian-ming - YU, Hai-jun. New generating function formulas of Jacobi polynomials obtained by virtue of the photon subtracted and photon added two-mode squeezed states. In *OPTIK*. ISSN 0030-4026, 2014, vol. 125, no. 19, pp. 5519., WOS

[1.1] SOTO-EGUIBAR, F. - RODRIGUEZ-LARA, B. M. - MOYA-CESSA, H. M. Phase state and related nonlinear coherent states. In *JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS*. ISSN 0740-3224, 2014, vol. 31, no. 6, pp. 1335., WOS

[1.1] TAN GUO-BIN - XU LI-JUAN - MA SHAN-JUN. Nonclassicality of a two-variable Hermite polynomial state. In *CHINESE PHYSICS B*. ISSN 1674-1056, 2012, vol. 21, no. 4, 044210., WOS

- [1.1] XIE, Ch.-M. A new theorem relating quantum tomogram. In CHINESE PHYSICS B, 2011, vol. 20, 060303., WOS
- [1.1] XU, Li-juan - TAN, Guo-bin - MA, Shan-jun. Nonclassicality and decoherence of two-mode photon-added squeezed vacuum. In OPTICS COMMUNICATIONS, 2011, vol.284, no.13, 3335., WOS
- [1.1] ZHANG, Hong-Biao - LU, Lu. Application of polynomial $su(1,1)$ algebra to Poschl-Teller potentials. In JOURNAL OF MATHEMATICAL PHYSICS. ISSN 0022-2488, 2013, vol. 54, no. 12, 122102., WOS
- [1.1] ZHOU, Jun - FAN, Hong-yi - SONG, Jun. On the photon distribution of the two-mode squeezed chaotic state. In PHYSICA SCRIPTA, 2011, vol.84, no.4., WOS
- [1.1] ZHOU, Jun - FAN, Hong-yi - SONG, Jun. Photon-Subtracted Two-Mode Squeezed Thermal State and Its Photon-Number Distribution. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2012, vol. 51, no. 5, pp. 1591., WOS
- [1.1] ZHOU, Jun - SONG, Jun - YUAN, Hao - ZHANG, Bo - XIE, Chuan-Mei - FAN, Hong-Yi. Photon-Number Distribution and Wigner Function of Generalized Squeezed Thermal State. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2012, vol. 51, no. 9, pp. 2681., WOS

ADCA136 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.

Ohlasy:

- [1.1] ALEIXO, A. N. F. - BALANTEKIN, A. B. Accidental degeneracies in nonlinear quantum deformed systems. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL, 2011, vol.44, no.36., WOS
- [1.1] ALEIXO, A. N. F. - BALANTEKIN, A. B. Algebraic construction of coherent states for nonlinear quantum deformed systems. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2012, vol. 45, no. 16, 165302., WOS

ADCA137 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.

Ohlasy:

- [1.1] EL ALLATI, A. - ROBLES-PEREZ, S. - HASSOUNI, Y. - GONZALEZ-DIAZ, P. F. Non-classicality versus channel capacity for a superposition of entangled coherent states. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2013, vol. 12, no. 7, pp. 2587., WOS
- [1.1] MOHAMED, Abdel-Baset A. LOSS OF COHERENCE OF PURE AND MIXED STATES FOR A MULTIMODE RADIATION FIELD INTERACTING NONLINEARLY WITH A QUBIT. In JOURNAL OF RUSSIAN LASER RESEARCH, 2011, vol.32, no.6, 518., WOS
- [1.1] REITER, D. E. - WIGGER, D. - AXT, V. M. - KUHN, T. Generation and dynamics of phononic cat states after optical excitation of a quantum dot. In PHYSICAL REVIEW B, 2011, vol.84, no.19., WOS
- [1.1] SANDERS, Barry C. Review of entangled coherent states. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN

1751-8113, 2012, vol. 45, no. 24, 244002., WOS

[1.1] SUBEESH, T. - SUDHIR, Vivishek. Phase properties of operator valued measures in phase space. In JOURNAL OF MODERN OPTICS. ISSN 0950-0340, 2013, vol. 60, no. 6, pp. 503., WOS

ADCA138 BUŽEK, Vladimír. Time evolution of an anharmonic-oscillator in an initial holstein-primakoff su(1,1) coherent state. In *Physical Review A*, 1989, vol. 39, no. 10, p. 5432-5435. ISSN 1050-2947.

Ohlasy:

[1.1] HU, Li-Yun - DUAN, Zheng-Lu - XU, Xue-Xiang - WANG, Zi-Sheng. Wigner function evolution in a self-Kerr medium derived by entangled state representation. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL, 2011, vol.44, no.19., WOS

ADCA139 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. (6.140 - IF1997). (1998 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Ohlasy:

[1.1] BARTKIEWICZ, Karol - MIRANOWICZ, Adam. Optimal cloning of arbitrary mirror-symmetric distributions on the Bloch sphere: a proposal for practical photonic realization. In PHYSICA SCRIPTA. ISSN 0031-8949, 2012, vol. T147, 014003., WOS

[1.1] BRADLER, Kamil. An Infinite Sequence of Additive Channels: The Classical Capacity of Cloning Channels. In IEEE TRANSACTIONS ON INFORMATION THEORY, 2011, vol.57, no.8, 5497., WOS

[1.1] DE MARTINI, Francesco - SCIARRINO, Fabio. Colloquium: Multiparticle quantum superpositions and the quantum-to-classical transition. In REVIEWS OF MODERN PHYSICS. ISSN 0034-6861, 2012, vol. 84, no. 4, pp. 1765., WOS

[1.1] GYONGYOSI, Laszlo - IMRE, Sandor. Quasi-superactivation of classical capacity of zero-capacity quantum channels. In JOURNAL OF MODERN OPTICS. ISSN 0950-0340, 2012, vol. 59, no. 14, pp. 1243., WOS

[1.1] JING, Li - WANG, Yi-Nan - SHI, Han-Duo - MU, Liang-Zhu - FAN, Heng. Minimal input sets determining phase-covariant and universal quantum cloning. In PHYSICAL REVIEW A. ISSN 1050-2947, 2012, vol. 86, no. 6, 062315., WOS

[1.1] KUMAR, Karthikeyan S. - PARAOANU, G. S. A quantum no-reflection theorem and the speeding up of Grover's search algorithm. In EPL, 2011, vol.93, no.2., WOS

[1.1] LIU ZHIHAO - CHEN HANWU - LIU WENJIE - XU JUAN - LI ZHIQIANG. Deterministic secure quantum communication without unitary operation based on high-dimensional entanglement swapping. In SCIENCE CHINA-INFORMATION SCIENCES. ISSN 1674-733X, 2012, vol. 55, no. 2, pp. 360., WOS

[1.1] LUO, Ming-Xing - DENG, Yun. Distort one qubit from copying and deleting. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2013, vol. 12, no. 4, pp. 1701., WOS

[1.1] OTHMANI, B. - MACHHOUT, M. - BELMABROUK, H. - TOURKI, R. - MEJRI, H. Effects of a magnetic field environment on quantum cloning of

qubits. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2013, vol. 12, no. 2, pp. 945., WOS

[1.1] REID, M. D. Signifying quantum benchmarks for qubit teleportation and secure quantum communication using Einstein-Podolsky-Rosen steering inequalities. In PHYSICAL REVIEW A. ISSN 1050-2947, 2013, vol. 88, no. 6, 062338., WOS

[1.1] SIOMAU, Michael. Fidelity estimation between two finite ensembles of unknown pure equatorial qubit states. In PHYSICS LETTERS A, 2011, vol.375, no.38, 3340., WOS

[1.1] WANG, Xin-Wen - ZHANG, Deng-Yu - YANG, Guo-Jian - TANG, Shi-Qing - XIE, Li-Jun. Remote information concentration and multipartite entanglement in multilevel systems. In PHYSICAL REVIEW A, 2011, vol.84, no.4., WOS

[1.1] WANG, Yi-Nan - SHI, Han-Duo - XIONG, Zhao-Xi - JING, Li - REN, Xi-Jun - MU, Liang-Zhu - FAN, Heng. Unified universal quantum cloning machine and fidelities. In PHYSICAL REVIEW A, 2011, vol.84, no.3., WOS

[1.1] WEN, Jing-Ji - YEON, Kyu-Hwang - WANG, Hong-Fu - ZHANG, Shou. Scheme for Implementing the Optimal Quantum Cloning via Long-range Off-resonant Raman Coupling. In JOURNAL OF THE KOREAN PHYSICAL SOCIETY. ISSN 0374-4884, 2013, vol. 63, no. 9, pp. 1696., WOS

[1.1] WILDE, Mark M. - GUHA, Saikat. Polar Codes for Degradable Quantum Channels. In IEEE TRANSACTIONS ON INFORMATION THEORY. ISSN 0018-9448, 2013, vol. 59, no. 7, pp. 4718., WOS

[1.1] WU TAO - FANG BAO-LONG - YE LIU. Quantum cloning machines and their implementation in physical systems. In CHINESE PHYSICS B. ISSN 1674-1056, 2013, vol. 22, no. 11, 110311., WOS

[1.1] YAO, Y. In PHYSICAL REVIEW A, 2014, vol. 90, 022327., WOS

[1.1] YU, Yang - YE, Liu. PROPOSAL FOR A GENERAL QUANTUM CLONING MACHINE VIA DISTANT QUBITS IN A QUANTUM NETWORK. In INTERNATIONAL JOURNAL OF MODERN PHYSICS B. ISSN 0217-9792, 2013, vol. 27, no. 23, 1350154., WOS

[1.1] ZHANG WENHAI - YU LONGBAO - YANG MING - CAO ZHUOLIANG. Quantum cloning with multicopy in d-dimensions. In SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY, 2011, vol.54, no.12, 2217., WOS

[1.1] ZHANG WEN-HAI - YU LONG-BAO - CAO ZHUO-LIANG - YE LIU. Optimal Phase-Covariant Cloning in 3 Dimensions. In COMMUNICATIONS IN THEORETICAL PHYSICS. ISSN 0253-6102, 2012, vol. 57, no. 6, pp. 991., WOS

[1.1] ZHANG, Wen-Hai - YU, Long-Bao - CAO, Zhuo-Liang - YE, Liu. Optimal cloning of two known nonorthogonal quantum states. In PHYSICAL REVIEW A. ISSN 1050-2947, 2012, vol. 86, no. 2, 022322., WOS

[1.1] ZHANG, Yong-Liang - WANG, Yi-Nan - XIAO, Xiang-Ru - JING, Li - MU, Liang-Zhu - KOREPIN, V. E. - FAN, Heng. Quantum network teleportation for quantum information distribution and concentration. In PHYSICAL REVIEW A. ISSN 1050-2947, 2013, vol. 87, no. 2, 022302., WOS

[1.2] ADHIKARI, Satyabrata - ROY, Sovik - ROY, Sovik - CHAKRABORTY, Shantanav - JAGADISH, Vinayak - HARIS, M. K. - KUMAR, Atul. Controlled secret sharing protocol using a quantum cloning circuit. In Quantum Information Processing. ISSN 15700755, 2014-01-01, 13, 9,

pp. 2071-2080., SCOPUS

[1.2] FAN, Heng - FAN, Heng - WANG, Yi Nan - JING, Li - YUE, Jie Dong - SHI, Han Duo - ZHANG, Yong Liang - MU, Liang Zhu. Quantum cloning machines and the applications. In *Physics Reports*. ISSN 03701573, 2014-01-01, 544, 3, pp. 241-322., SCOPUS

[1.2] GHIU, Iulia. Quantum Chernoff bound as a measure of the efficiency of quantum cloning for mixed states. In *Physica Scripta*. ISSN 02811847, 2014-01-01, T160, 014013., SCOPUS

[1.2] GYONGYOSI, Laszlo - GYONGYOSI, Laszlo - IMRE, Sandor. Quasi-superactivation for the classical capacity of quantum channels. In *AIP Conference Proceedings*. ISSN 0094243X, 2014-01-01, 1633, pp. 162-164., SCOPUS

[1.2] LIU, A. Peng - WEN, Jing Ji - CHENG, Liu Yong - SU, Shi Lei - CHEN, Li - WANG, Hong Fu - ZHANG, Shou - ZHANG, Shou. Quantum cloning based on iSWAP gate with nitrogen-vacancy centers in photonic crystal cavities. In *Optics Communications*. ISSN 00304018, 2014-12-15, 333, pp. 187-192., SCOPUS

[1.2] LIU, K. - GAO, J. R. Quantum conditional cloning of continuous variable entangled states. In *Journal of the European Optical Society*, 2014-12-22, 9., SCOPUS

[1.2] REN, Xi Jun - FAN, Heng. Single-outcome information gain of qubit measurements on different state ensembles. In *Journal of Physics A: Mathematical and Theoretical*. ISSN 17518113, 2014-01-01, 30, 305302., SCOPUS

[1.2] ROA, Luis - ALID-VACCAREZZA, M. - JARA-FIGUEROA, C. - KLIMOV, A. B. Quantum correlations support probabilistic pure state cloning. In *Physics Letters, Section A: General, Atomic and Solid State Physics*. ISSN 03759601, 2014-02-28, 378, 13, pp. 941-945., SCOPUS

[1.2] ROY, Sovik - ROY, Sovik - GANGULY, Nirman - GANGULY, Nirman - KUMAR, Atul - ADHIKARI, Satyabrata - MAJUMDAR, A. S. A cloned qutrit and its utility in information processing tasks. In *Quantum Information Processing*. ISSN 15700755, 2014-03-01, 13, 3, pp. 629-638., SCOPUS

[1.2] YAO, Yao - YAO, Yao - GE, Li - XIAO, Xing - WANG, Xiaoguang - SUN, C. P. - SUN, C. P. Multiple phase estimation for arbitrary pure states under white noise. In *Physical Review A Atomic, Molecular, and Optical Physics*. ISSN 10502947, 2014-12-08, 90, 6, 062113., SCOPUS

ADCA140 BUŽEK, Vladimír - HILLERY, M. - WERNER, R. Universal-NOT gate. In *Journal of Modern Optics*, 2000, vol. 47, p. 211-232. (1.475 - IF1999). ISSN 0950-0340.

Ohlasy:

[1.1] FAN, Heng - WANG, Yi-Nan - JING, Li - YUE, Jie-Dong - SHI, Han-Duo - ZHANG, Yong-Liang - MU, Liang-Zhu. Quantum cloning machines and the applications. In *PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS*. ISSN 0370-1573, 2014, vol. 544, no. 3, pp. 241., WOS

[1.1] JEZEK, M. - MICUDA, M. - STRAKA, I. - MIKOVA, M. - DUSEK, M. - FIURASEK, J. Orthogonalization of partly unknown quantum states. In *PHYSICAL REVIEW A*. ISSN 1050-2947, 2014, vol. 89, no. 4, 042316., WOS

[1.1] JONES, Jonathan A. Quantum computing with NMR. In *PROGRESS*

IN NUCLEAR MAGNETIC RESONANCE SPECTROSCOPY, 2011, vol.59, no.2, 91., WOS

[1.1] LEE, Sang Min - BANG, Jeongho - KIM, Heonoh - JEONG, Hyunseok - LEE, Jinhyoung - MOON, Han Seb. Experimental demonstration of error-insensitive approximate universal-NOT gates. In PHYSICAL REVIEW A. ISSN 1050-2947, 2014, vol. 89, no. 5, 052329., WOS

[1.2] BANG, J. - LEE, S.-W. - JEONG, H. - LEE, J. Procedures for realizing an approximate universal-not gate. In Physical Review A Atomic, Molecular, and Optical Physics, 2012, 86, 6, 062317., SCOPUS

[1.2] BERTINI, C. - LEPORINI, R. Logics from quantum computation with bounded additive operators. In International Journal of Quantum Information, 2012, 10, 3, 1250036., SCOPUS

ADCA141 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] HUANG, Hui - LI, Gao-xiang - GU, Wen-ju - FICEK, Zbigniew. Establishment of correlated states in a quantum dot interacting with an acoustic-phonon reservoir. In PHYSICAL REVIEW A. ISSN 1050-2947, 2014, vol. 90, no. 2, 023815., WOS

[1.1] OMKAR, S. - SRIKANTH, R. - BANERJEE, Subhashish. Dissipative and non-dissipative single-qubit channels: dynamics and geometry. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2013, vol. 12, no. 12, pp. 3725., WOS

[1.1] ZENG, Zhiqiang - HOU, Bangpin. Effects of squeezed vacuum on transient optical response in a A system. In OPTIK, 2011, vol.122, no.14, 1231., WOS

[1.1] ZENG, Zhiqiang - HOU, Bangpin - LIU, Futi - GAO, Zenghui. Evolution of population in an equispaced three-level ladder-type atomic system. In OPTIK. ISSN 0030-4026, 2014, vol. 125, no. 13, pp. 3376., WOS

[1.1] ZENG, Zhi-Qiang - HOU, Bang-Pin - GAO, Zeng-Hui - YANG, Ya-Ping. Transient Response in a Three-Level System with the Squeezed Vacuum. In OPTICAL REVIEW. ISSN 1340-6000, 2012, vol. 19, no. 2, pp. 45., WOS

ADCA142 BYAKOV, V.M. - KRIŠTIÁK, Jozef. On the relationship between o-Ps lifetime in liquids and their surface tension. In *Journal of Radioanalytical and Nuclear Chemistry-Articles*, 1996, vol. 211, no. 1, p. 11-14. (0.368 - IF1995). (1996 - Current Contents). ISSN 0236-5731.

Ohlasy:

[1.1] ZGARDZINSKA, Bozena - GOWOREK, Tomasz. Positronium bubble in liquid alkanes and alcohols. In CHEMICAL PHYSICS. ISSN 0301-0104, 2012, vol. 405, pp. 32., WOS

ADCA143 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. (0.910 - IF2003). (2004 - Current Contents, WOS, SCOPUS). ISSN 0304-8853.

Ohlasy:

[1.1] SALACH, J. et al. Possibilities of application of amorphous Fe₇₇CrB₁₆Si₅ alloys. In *SOLID STATE PHENOMENA*, 2013, vol. 198, pp. 388-393., WOS

ADCA144 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.

Ohlasy:

[1.1] KOCKAR, H. - KARAAGAC, O. - KURU, H. - KARPUZ, A. - HACIISMAILOGLU, M. S. - ALPER, M. Substrate type and their rotation speed controlled magnetic anisotropy of iron films evaporated by a newly designed vacuum coating system. In *OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS*. ISSN 1842-6573, 2014, vol. 8, no. 3-4, pp. 270-273., WOS

[1.1] LI, Mingsheng - TU, Jinwei - ZHANG, Shujuan - ZHONG, JL. Effects of Annealing on Electrochemical Corrosion of Fe_{73.5}Si_{13.5}B₉Nb₃Cu₁ Alloys. In *SMART MATERIALS AND NANOTECHNOLOGY IN ENGINEERING*. ISSN 1022-6680, 2012, vol. 345, no., pp. 83., WOS

[1.1] LI, Mingsheng - ZHANG, Dan - JIANG, Yiming - LI, Jin - SANG, XM - WANG, PC - AI, L - LI, YG - BU, JL. Corrosion of Amorphous Fe_{73.5}Si_{13.5}B₉Nb₃Cu₁ Alloys on the Synergistic Effect of Chloride and Hydroxyl Ions. In *MATERIALS AND DESIGN*, PTS 1-3, 2011, vol. 284-286, part 1-3, p. 1550-1553., WOS

[1.1] MARICIC, A. - SPASOJEVIC, M. - KALEZIC-GLISOVIC, A. - RIBIC-ZELENOVIC, L. - DJUKIC, S. - MITROVIC, N. The stress effect on electrical resistivity sensitivity of FeBSiC amorphous ribbon. In *SENSORS AND ACTUATORS A-PHYSICAL*. ISSN 0924-4247, 2012, vol. 174, pp. 103., WOS

ADCA145 BYSTRITSKIY, Yu.M. - VOLKOV, M.K. - KURAEV, E.A. - BARTOŠ, Erik - SEČANSKÝ, Michal. Decay ϕ - $f(0)$ γ and the process $e(+)$ $e(-)$ $f(0)$ (980). In *Physical review D. Particle and fields*, 2008, vol. 77, no. 5, 054008. ISSN 1550-7998.

Ohlasy:

[1.1] ACHASOV, N.N.-SHESTAKOV, G.N. In *Physics-USPEKHI*, 2011, vol. 54, no. 8, p. 799-828.

ADCA146 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.

Ohlasy:

[1.1] CARICATO, Anna Paola - LUCHES, Armando. Applications of the matrix-assisted pulsed laser evaporation method for the deposition of organic, biological and nanoparticle thin films: a review. In *APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING*, 2011, vol. 105, no. 3, 565., WOS

[1.1] MEBARKI, M. - LAYADI, A. - GUITTOUM, A. - BENABBAS, A. -

GHEBOULI, B. - SAAD, M. - MENNI, N. Structural and electrical properties of evaporated Fe thin films. In *APPLIED SURFACE SCIENCE*, 2011, vol.257, no.16, 7025., WOS

ADCA147 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.

Ohlasy:

[1.1] GRAMEGNA, F. et al. In *JOURNAL OF PHYSICS CONFERENCE SERIES*, 2014, vol. 580, 012011., WOS

[1.1] KRAVCHUK, V. L. - FOTINA, O. V. - GRAMEGNA, F. - BRUNO, M. - D'AGOSTINO, M. - SAMBI, S. - BARLINI, S. - CASINI, G. PRE-EQUILIBRIUM ALPHA-PARTICLE EMISSION AS A PROBE TO EXPLORE ALPHA CLUSTERING IN NUCLEI. In *INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS*, 2011, vol.20, no.4, 1050-1053., WOS

[1.1] YADAV, Abhishek - SINGH, Pushpendra P. - SHARMA, Vijay R. - GUPTA, Unnati - SINGH, Devendra P. - SHARMA, Manoj K. - SINGH, B. P. - PRASAD, R. - KUMAR, R. - SINGH, R. P. - MURALITHAR, S. - BHOWMIK, R. K. SIGNATURE OF PRE-EQUILIBRIUM-EMISSION IN FORWARD-TO-BACKWARD YIELD RATIO MEASUREMENT. In *INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS*, 2011, vol.20, no.10, 2133., WOS

ADCA148 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. (1.063 - IF2011). (2012 - Current Contents). ISSN 0921-4526.

Ohlasy:

[1.1] KANSY, Jerzy - HANC-KUCZKOWSKA, Aneta - GIEBEL, Dawid. Change of the defect structure in FeAl alloy as a result of its aging at ambient temperature. In *NUKLEONIKA*. ISSN 0029-5922, 2013, vol. 58, no. 1, pp. 221., WOS

ADCA149 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 - ZEMLYANOV, 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. (7.622 - IF2010). (2011 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Ohlasy:

[1.1] BAGLIN, Coral M. Nuclear Data Sheets for A=192. In *NUCLEAR DATA SHEETS*. ISSN 0090-3752, 2012, vol. 113, no. 8-9, pp. 1871., WOS

- [1.1] GARCIA-RAMOS, J. E. - HELLEMANS, V. - HEYDE, K. Platinum nuclei: Concealed configuration mixing and shape coexistence. In PHYSICAL REVIEW C, 2011, vol.84, no.1, 014331., WOS
- [1.1] GARCIA-RAMOS, J. E. - HEYDE, K. Nuclear shape coexistence: A study of the even-even Hg isotopes using the interacting boson model with configuration mixing. In PHYSICAL REVIEW C. ISSN 0556-2813, 2014, vol. 89, no. 1, 014306., WOS
- [1.1] HEYDE, Kris - WOOD, John L. Shape coexistence in atomic nuclei. In REVIEWS OF MODERN PHYSICS, 2011, vol.83, no.4., WOS
- [1.1] JAKOBSSON, U. - JUUTINEN, S. - UUSITALO, J. - LEINO, M. - AURANEN, K. - ENQVIST, T. - GREENLEES, P. T. - HAUSCHILD, K. - JONES, P. - JULIN, R. - KETELHUT, S. - KUUSINIEMI, P. - NYMAN, M. - PEURA, P. - RAHKILA, P. - RUOTSALAINEN, P. - SAREN, J. - SCHOLEY, C. - SORRI, J. Spectroscopy of the proton drip-line nucleus Fr-203. In PHYSICAL REVIEW C. ISSN 0556-2813, 2013, vol. 87, no. 5, 054320., WOS
- [1.1] JAKOBSSON, U. - UUSITALO, J. - JUUTINEN, S. - LEINO, M. - ENQVIST, T. - GREENLEES, P. T. - HAUSCHILD, K. - JONES, P. - JULIN, R. - KETELHUT, S. - KUUSINIEMI, P. - NYMAN, M. - PEURA, P. - RAHKILA, P. - RUOTSALAINEN, P. - SAREN, J. - SCHOLEY, C. - SORRI, J. Recoil-decay tagging study of Fr-205. In PHYSICAL REVIEW C. ISSN 0556-2813, 2012, vol. 85, no. 1, 014309., WOS
- [1.1] JENKINS, David Gareth. Recent advances in nuclear physics through on-line isotope separation. In NATURE PHYSICS. ISSN 1745-2473, 2014, vol. 10, no. 12, pp. 909., WOS
- [1.1] KUKLIN, S. N. - SHNEIDMAN, T. M. - ADAMIAN, G. G. - ANTONENKO, N. V. Alpha-decay fine structures of U isotopes and systematics for isotopic chains of Po and Rn. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2012, vol. 48, no. 8, 112., WOS
- [1.1] QUINET, Pascal. Investigation of intravalence, core-valence and core-core electron correlation effects in polonium atomic structure calculations. In JOURNAL OF QUANTITATIVE SPECTROSCOPY & RADIATIVE TRANSFER. ISSN 0022-4073, 2014, vol. 145, pp. 153., WOS

ADCA150 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. ISSN 0021-8898.

Ohlasy:

- [1.1] BORGESSE, L. In TALANTA, VOL. 89, 2012, p. 99-104., WOS
- [1.1] CUI JIAN-JUN - GAO SI-TIAN. Nanometer film thickness metrology and traceability based on grazing incidence X-ray reflectometry. In ACTA PHYSICA SINICA. ISSN 1000-3290, 2014, vol. 63, no. 6, 060601., WOS
- [1.1] CUI, J. In PROCEEDINGS OF SPIE, 2013, vol. 8916, 891634., WOS
- [1.1] GOZU, S.-I. In NANOSCALE RESEARCH LETTERS, vol. 7, 2012, 620., WOS
- [1.1] LEE, S.W. In PHYSICS PROCEDIA, vol. 37, 2012, p. 765-772.,

WOS

[1.1] LISCIO, F. In ACS NANO, 2013, vol. 7, no. 2, p. 1257-1264., WOS

[1.1] SARTORE, L. Polymer-grafted QCM. In SENSORS AND ACTUATORS B, 2011, VOL. 155, NO. 2, P. 538., WOS

[1.1] SINTONEN, Sakari - ALI, Saima - YLIVAARA, Oili M. E. - PUURUNEN, Riikka L. - LIPANEN, Harri. X-ray reflectivity characterization of atomic layer deposition Al₂O₃/TiO₂ nanolaminates with ultrathin bilayers. In JOURNAL OF VACUUM SCIENCE & TECHNOLOGY A. ISSN 0734-2101, 2014, vol. 32, no. 1, 01A111., WOS

[1.1] WANG, Yinglin - YANG, Lin - ZHANG, Jing - LI, Renzhi - ZHANG, Min - WANG, Peng. Altering the Self-organization of Dyes on Titania with Dyeing Solvents to Tune the Charge-transfer Dynamics of Sensitized Solar Cells. In CHEMPHYSICHEM. ISSN 1439-4235, 2014, vol. 15, no. 6, pp. 1037., WOS

[1.1] WERNECKE, J.-SCHOLZE, F.-KRUMREY, M. In REVIEW OF SCIENTIFIC INSTRUMENTS, vol. 83, 2012, 103906., WOS

[1.2] WINDOVER, D. - GIL, D. L. - AZUMA, Y. - FUJIMOTO, T. Determining sample alignment in x-ray reflectometry using thickness and density from GaAs/AlAs multilayer certified reference materials. In Measurement Science and Technology. ISSN 09570233, 2014-10-01, 25, 10, 105007., SCOPUS

ADCA151 CONDE, C.F. - CONDE, A. - ŠVEC, Peter - OCHIN, P. Influence of the addition of Mn and Cu on the nanocrystallization process of Hitperm FeCoNbB. In *Materials Science and Engineering A - Structural Materials Properties Microstructure and Processing*, 2004, vol. 375, p. 718-721. (1.363 - IF2003). (2004 - Current Contents, WOS, SCOPUS). ISSN 0921-5093.

Ohlasy:

[1.1] LEARY, A.M.-OHODNICKI, P.R.-McHENRY, M.E. Soft magnetic materials in high-frequency. In JOM, 2012, vol. 64, no. 7, pp. 772-781., WOS

[1.1] WILLARD, M.A.- DANIIL, M. In HANDBOOK OF MAGNETIC MATERIALS, 2013, vol. 21, pp. 173-342., WOS

ADCA152 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. (2.138 - IF2010). (2011 - Current Contents). ISSN 0925-8388.

Ohlasy:

[1.1] COJOCARU, Vasile Danut. Ball milling synthesis and stability under pressure in nanostructured HITPERM alloys. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2012, vol. 324, no. 9, pp. 1664., WOS

[1.1] DUMAN, Nagehan - AKDENIZ, M. Vedat - MEKHRABOV, Amdulla O. Magnetic monitoring approach to nanocrystallization kinetics in Fe-based bulk amorphous alloy. In INTERMETALLICS. ISSN 0966-9795, 2013, vol. 43, pp. 152., WOS

[1.1] HASIAK, Mariusz - MIGLIERINI, Marcel - LUKIEWSKI, Miroslaw - KALETA, Jerzy. Microstructure, Magnetic Properties, and Applications of Co-Rich HITPERM-Type Amorphous Alloys. In IEEE TRANSACTIONS ON MAGNETICS. ISSN 0018-9464, 2012, vol. 48, no. 4, pp. 1665., WOS

- [1.1] HASIAK, Mariusz - MIGLIERINI, Marcel - LUKIEWSKI, Mirosław - KALETA, Jerzy. Impact of Microstructure Upon Soft Magnetic Properties of Cobalt-Doped Metallic Glasses. In *IEEE TRANSACTIONS ON MAGNETICS*. ISSN 0018-9464, 2014, vol. 50, no. 4, UNSP 2004104., WOS
- [1.1] LEARY, Alex M. - OHODNICKI, Paul R. - MCHENRY, Michael E. Soft Magnetic Materials in High-Frequency, High-Power Conversion Applications. In *JOM*. ISSN 1047-4838, 2012, vol. 64, no. 7, pp. 772., WOS
- [1.1] MOUMENI, Hayet - NEMAMCHA, Abderrafik - ALLEG, Safia - GRENECHE, Jean Marc. Hyperfine interactions and structural features of Fe-44Co-6Mo (wt.%) nanostructured powders. In *MATERIALS CHEMISTRY AND PHYSICS*. ISSN 0254-0584, 2013, vol. 138, no. 1, pp. 209., WOS

ADCA153 CONDE, C.F. - BLÁZQUEZ, J.S. - FRANCO, V. - CONDE, A. - ŠVEC, Peter - JANIČKOVIČ, Dušan. Microstructure and magnetic properties of FeMoBCu alloys. In *Acta Materialia*, 2007, vol. 55, no. 17, p. 5675-5683. ISSN 1359-6454.

Ohlasy:

- [1.1] DUMAN, Nagehan - AKDENİZ, M. Vedat - MEKHRABOV, Amdulla O. Magnetic monitoring approach to nanocrystallization kinetics in Fe-based bulk amorphous alloy. In *INTERMETALLICS*. ISSN 0966-9795, 2013, vol. 43, pp. 152., WOS
- [1.1] GONDRO, J. - SWIERCZEK, J. - BLOCH, K. - ZBROSZCZYK, J. - CIURZYŃSKA, W. - OLSZEWSKI, J. Microstructure and some thermomagnetic properties of amorphous and partially crystallized Fe-(Pt)-Zr-Nb-Cu-B alloys. In *PHYSICA B-CONDENSED MATTER*. ISSN 0921-4526, 2014, vol. 445, pp. 37-41., WOS
- [1.1] GU, Yue - CHAO, Yue-sheng - ZHAO, G - LU, L - LONG, B - NIE, Z. Influences of the Adding Manners of B on the Stability and the Soft Magnetic Properties of Amorphous Fe₅₂Co₃₄Hf₇B₆Cu₁ Alloys. In *CHINA FUNCTIONAL MATERIALS TECHNOLOGY AND INDUSTRY FORUM*. ISSN 1660-9336, 2013, vol. 320, pp. 83., WOS
- [1.1] SWIERCZEK, Jan. Nanocrystallization and magnetocaloric effect in amorphous Fe-Mo-Cu-B alloy. In *JOURNAL OF ALLOYS AND COMPOUNDS*. ISSN 0925-8388, 2014, vol. 615, pp. 255-262., WOS
- [1.1] SWIERCZEK, Jan. Superparamagnetic behavior and magnetic entropy change in partially crystallized Fe-Mo-Cu-B alloy. In *PHYSICA STATUS SOLIDI A-APPLICATIONS AND MATERIALS SCIENCE*. ISSN 1862-6300, 2014, vol. 211, no. 7, pp. 1567-1576., WOS

ADCA154 CSACH, K. - OCELIK, V. - MISKUF, J. - BENGUS, V.Z. - DUHAJ, Pavol. Direct spectrum analysis of anelastic deformation response. In *IEEE Transactions on Magnetics*, 1994, vol. 30, no. 2, p. 496-498. (0.952 - IF1993). (1994 - Current Contents, WOS, SCOPUS). ISSN 0018-9464.

Ohlasy:

- [1.1] JU, J. D. - JANG, D. - NWANKPA, A. - ATZMON, M. An atomically quantized hierarchy of shear transformation zones in a metallic glass. In *JOURNAL OF APPLIED PHYSICS*, 2011, vol.109, no.5, 053522., WOS

ADCA155 CUCCHIERI, Attilio - MAAS, Axel - MENDES, Tereza. Linear covariant gauges on the lattice. In *Computer Physics Communications*, 2009, vol. 180, p. 215-225. (2.120 - IF2008). ISSN 0010-4655.

Ohlasy:

- [1.1] LLANES-ESTRADA, Felipe J. - WILLIAMS, Richard. Two infrared Yang-Mills solutions in stochastic quantization and in an effective action formalism. In PHYSICAL REVIEW D. ISSN 1550-7998, 2012, vol. 86, no. 6, 065034., WOS
- [1.1] SERREAU, J. - TISSIER, M. - TRESMONTANT, A. Covariant gauges without Gribov ambiguities in Yang-Mills theories. In PHYSICAL REVIEW D. ISSN 1550-7998, 2014, vol. 89, no. 12, 125019., WOS
- [3] ALKOFER, I.R.-HUBER, M.Q.-MADER, V.-WINDISCH, A. In PROCEEDINGS OF SCIENCE, QCD-TNT-II, 2011, 003.
- [3] SERREAU, J. A class of nonperturbative nonlinear gauges in Yang-Mills theories. In PROCEEDINGS OF SCIENCE QCD-TNT-III, 2013, 038.
- [3.1] GONGYO, S. Two- dimensional gluon propagators in maximally Abelian gauge in SU(2) lattice QCD. In PREPRINT HEP-LAT/ 1411.2211, 2014.

ADCA156 CUCCHIERI, A. - MAAS, Axel - MENDES, T. Three-point vertices in Landau-gauge Yang-Mills theory. In *Physical Review D*, 2008, vol. 77, 094510. ISSN 1550-7998.

Ohlasy:

- [1.1] AGUILAR, A. C. - BINOSI, D. - PAPAVALASSILIOU, J. Unquenching the gluon propagator with Schwinger-Dyson equations. In PHYSICAL REVIEW D. ISSN 1550-7998, 2012, vol. 86, no. 1, 014032., WOS
- [1.1] AGUILAR, A. C. - BINOSI, D. - IBANEZ, D. - PAPAVALASSILIOU, J. Effects of divergent ghost loops on the Green's functions of QCD. In PHYSICAL REVIEW D. ISSN 1550-7998, 2014, vol. 89, no. 8, 085008., WOS
- [1.1] AGUILAR, A. C. - IBANEZ, D. - MATHIEU, V. - PAPAVALASSILIOU, J. Massless bound-state excitations and the Schwinger mechanism in QCD. In PHYSICAL REVIEW D. ISSN 1550-7998, 2012, vol. 85, no. 1, 014018., WOS
- [1.1] AGUILAR, A. C. - IBANEZ, D. - PAPAVALASSILIOU, J. Ghost propagator and ghost-gluon vertex from Schwinger-Dyson equations. In PHYSICAL REVIEW D. ISSN 1550-7998, 2013, vol. 87, no. 11, 114020., WOS
- [1.1] BINOSI, D. - IBANEZ, D. - PAPAVALASSILIOU, J. All-order equation of the effective gluon mass. In PHYSICAL REVIEW D. ISSN 1550-7998, 2012, vol. 86, no. 8, 085033., WOS
- [1.1] BINOSI, D. - IBANEZ, D. - PAPAVALASSILIOU, J. Nonperturbative study of the four gluon vertex. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2014, 1409, 059., WOS
- [1.1] BINOSI, D. - IBANEZ, D. In ACTA PHYSICA POLONICA SUPPLEMENTS, 2014, vol. 7, 3 591., WOS
- [1.1] BLUM, Adrian Lorenz - HUBER, Markus Q. - MITTER, Mario - VON SMEKAL, Lorenz. Gluonic three-point correlations in pure Landau gauge QCD. In PHYSICAL REVIEW D. ISSN 1550-7998, 2014, vol. 89, no. 6, 061703., WOS
- [1.1] BOUCAUD, Ph. - DUDAL, D. - LEROY, J. P. - PENE, O. - RODRIGUEZ-QUINTERO, J. On the leading OPE corrections to the ghost-gluon vertex and the Taylor theorem. In JOURNAL OF HIGH ENERGY PHYSICS, 2011, 1112, 018., WOS
- [1.1] BOUCAUD, Ph. - LEROY, J. P. - LE YAOUANC, A. - MICHELI, J. -

- PENE, O. - RODRIGUEZ-QUINTERO, J. The Infrared Behaviour of the Pure Yang-Mills Green Functions. In FEW-BODY SYSTEMS. ISSN 0177-7963, 2012, vol. 53, no. 3-4, pp. 387., WOS
- [1.1] CAMPAGNARI, Davide R. - REINHARDT, Hugo - LLANESESTRADA, FJ - PELAEZ. Variational Approach to Yang-Mills Theory with non-Gaussian Wave Functionals. In IX INTERNATIONAL CONFERENCE ON QUARK CONFINEMENT AND THE HADRON SPECTRUM (QCHS IX), 2011, vol.1343, 209., WOS
- [1.1] CAMPAGNARI, Davide R. - REINHARDT, Hugo. Variational approach to Yang-Mills theory with non-Gaussian wave functionals. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2012, vol. 67, no. 2, pp. 180., WOS
- [1.1] CAMPAGNARI, Davide R. - REINHARDT, Hugo. The ghost-gluon vertex in Hamiltonian Yang-Mills theory in Coulomb gauge. In PHYSICS LETTERS B. ISSN 0370-2693, 2012, vol. 707, no. 1, pp. 216., WOS
- [1.1] CAPRI, M. A. L. - DUDAL, D. - GUIMARAES, M. S. - JUSTO, I. F. - SORELLA, S. P. - VERCAUTEREN, D. The (IR-)relevance of the Gribov ambiguity in $SU(2) \times U(1)$ gauge theories with fundamental Higgs matter. In ANNALS OF PHYSICS. ISSN 0003-4916, 2014, vol. 343, pp. 72., WOS
- [1.1] DUDAL, D. - GUIMARAES, M. S. - SORELLA, S. P. Pade approximation and glueball mass estimates in 3d and 4d with $N_c=2, 3$ colors. In PHYSICS LETTERS B. ISSN 0370-2693, 2014, vol. 732, pp. 247., WOS
- [1.1] EICHHORN, Astrid - GIES, Holger - PAWLOWSKI, Jan M. Gluon condensation and scaling exponents for the propagators in Yang-Mills theory. In PHYSICAL REVIEW D, 2011, vol.83, no.4, 045014., WOS
- [1.1] EICHMANN, Gernot - WILLIAMS, Richard - ALKOFER, Reinhard - VUJINOVIC, Milan. Three-gluon vertex in Landau gauge. In PHYSICAL REVIEW D. ISSN 1550-7998, 2014, vol. 89, no. 10, 105014., WOS
- [1.1] GRACEY, J. A. Power corrections to symmetric point vertices in Gribov-Zwanziger theory. In PHYSICAL REVIEW D. ISSN 1550-7998, 2012, vol. 86, no. 10, 105029., WOS
- [1.1] GRACEY, J. A. Symmetric point quartic gluon vertex and momentum subtraction. In PHYSICAL REVIEW D. ISSN 1550-7998, 2014, vol. 90, no. 2, 025011., WOS
- [1.1] HOPFER, Markus - FISCHER, Christian S. - ALKOFER, Reinhard. Running coupling in the conformal window of large- N_f QCD. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2014, 1411, 035., WOS
- [1.1] HUBER, Markus Q. - MITTER, Mario. CrasyDSE: A framework for solving Dyson-Schwinger equations. In COMPUTER PHYSICS COMMUNICATIONS. ISSN 0010-4655, 2012, vol. 183, no. 11, pp. 2441., WOS
- [1.1] HUBER, Markus Q. - VON SMEKAL, Lorenz. On the influence of three-point functions on the propagators of Landau gauge Yang-Mills theory. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2013, no. 4, 149., WOS
- [1.1] HUBER, Markus Q. - VON SMEKAL, Lorenz. Spurious divergences in Dyson-Schwinger equations. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2014, 1406, 015., WOS
- [1.1] PELAEZ, Marcela - TISSIER, Matthieu - WSCHEBOR, Nicolas. Three-point correlation functions in Yang-Mills theory. In PHYSICAL REVIEW D. ISSN 1550-7998, 2013, vol. 88, no. 12, 125003., WOS

- [1.1] PENNINGTON, M. R. - WILSON, D. J. Are the dressed gluon and ghost propagators in the Landau gauge presently determined in the confinement regime of QCD? In PHYSICAL REVIEW D, 2011, vol.84, no.9, 119901., WOS
- [1.1] REINHARDT, Hugo - CAMPAGNARI, Davide R. - LEDER, Markus - BURGIO, Giuseppe - PAWLOWSKI, Jan M. - QUANDT, Markus - WEBER, Axel - KIZILERSU, A - THOMAS, AW. Hamiltonian Approach to Yang-Mills Theory in Coulomb Gauge Revisited. In T(R)OPICAL QCD-TNT-II , 2011, vol.1354, 038., WOS
- [1.1] REINHARDT, Hugo - CAMPAGNARI, Davide R. - HEFFNER, Jan - PAK, Markus. Hamilton approach to QCD in Coulomb gauge. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2012, vol. 67, no. 2, pp. 173., WOS
- [1.1] REINHARDT, H.-CAMPAGNARI, D.R.-LEDER, M.-BURGIO, G.-PAWLOWSKI, J.M.-QUANDT, M.-WEBER, A. In AIP CONFERENCE PROCEEDINGS, 2011, 1354, p. 161., WOS
- [1.1] STERNBECK, Andre - MUELLER-PREUSSKER, Michael. Lattice evidence for the family of decoupling solutions of Landau gauge Yang-Mills theory. In PHYSICS LETTERS B. ISSN 0370-2693, 2013, vol. 726, no. 1-3, pp. 396-403., WOS
- [1.1] STRAUSS, Stefan - FISCHER, Christian S. - KELLERMANN, Christian. Analytic structure of Landau gauge ghost and gluon propagators. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2012, vol. 67, no. 2, pp. 239., WOS
- [1.1] STRAUSS, Stefan - FISCHER, Christian S. - KELLERMANN, Christian. Analytic Structure of the Landau-Gauge Gluon Propagator. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2012, vol. 109, no. 25, 252001., WOS
- [1.1] VUJINOVIC, M.-ALKOFER, R.-EICHMANN, G.-WILLIAMS, R. In ACTA PHYSICA POLONICA SUPPLEMENTS, 2014, vol. 7, 607., WOS
- [3] AGUILAR, A.C. The impact of the ghost-gluon vertex on the ghost Schwinger-Dyson equations. In PROCEEDINGS OF SCIENCE QCD-TNT-III, 2013, 001.
- [3] ALKOFER, R. and all. On propagators and three-point functions in Landau gauge QCD and QCD-like theories. In PROCEEDINGS OF SCIENCE QCD-TNT-III, 2013, 003.
- [3] HUBER, M.Q. and all. On propagators and vertices of Landau gauge Yang-Mills theory. In PROCEEDINGS OF SCIENCE QCD-TNT-III, 2013, 018.
- [3] HUBER, M.Q.-von SMEKAL, L. On two- and three-point functions of Landau gauge Yang-Mills theory. In PROCEEDINGS OF SCIENCE LATTICE 2013, pp. 364.
- [3] PAPAVALASSILOU, J. Gluon propagator with dynamical quarks. In PROCEEDINGS OF SCIENCE QCD-TNT-III, 2013, 029.
- [3] RODRIQUEZ-QUINTERO, J. In PROCEEDINGS OF SCIENCE, QCD-TNT-II, 2011, 040.
- [3] SANCHIS-ALEPUZ, H. Baryon properties and glueball from Poincare-covariant bound-state equations. In PREPRINT HEP-PH/ 1206.5190, 2012
- [3] VANDERSICKEL, N. A study of the Gribov-Zwanziger action: from propagators to glueballs. In PREPRINT HEP-TH/1104.1315.

[3.1] CORNWALL, J.M. Resolving infrared singularities of QCD through the vertes paradigm. In PREPRINT HEP-PH/ 1410.2214, 2014.

ADCA157 CVELBAR, F. - BĚTÁK, Emil - MERHAR, J. Preequilibrium equilibrium-model calculations of nucleon radiative-capture excitation-functions. In *Journal of Physics G: Nuclear and particle physics*, 1991, vol. 17, no. 2, p. 113-124. ISSN 0954-3899.

Ohlasy:

[1.1] BASUNIA, M. Shamsuzzoha. Nuclear Data Sheets for A=210. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2014, vol. 121, pp. 561-693., WOS

ADCA158 CVELBAR, F. - BĚTÁK, Emil - LIKAR, A. Pre-equilibrium and direct-semi-direct model-calculations of nucleon radiative-capture excitation-functions on heavy-nuclei. In *Journal of Physics G: Nuclear and particle physics*, 1995, vol. 21, no. 3, p. 377-384. ISSN 0954-3899.

Ohlasy:

[1.2] BROWNE, E. - TULI, J.K. Nuclear Data Sheets for A = 143. In Nuclear Data Sheets, 2012, 113, 3, pp. 715-908., SCOPUS

ADCA159 CVELBAR, F. - BĚTÁK, Emil - MERHAR, J. Pre-equilibrium-equilibrium-model calculations of nucleon radiative-capture excitation-functions. In *Journal of Physics G: Nuclear and particle physics*, 1991, vol. 17, no. 2, p. 113-124. ISSN 0954-3899.

Ohlasy:

[1.1] BASUNIA, M.S. In NUCLEAR DATA SHEETS, 2014, vol. 121, pp. 561., WOS

[1.2] BROWNE, E. - TULI, J.K. Nuclear Data Sheets for A = 143. In Nuclear Data Sheets, 2012, 113, 3, pp. 715-908., SCOPUS

[1.2] SHAMSUZZOHA BASUNIA, M. Nuclear Data Sheets for A = 210. In Nuclear Data Sheets. ISSN 00903752, 2014-01-01, 121, pp. 561-694., SCOPUS

ADCA160 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. (2.003 - IF2011). (2012 - Current Contents, SCOPUS, WOS). ISSN 0921-5093.

Ohlasy:

[1.1] DAM, Karel - PRUSA, Filip - VOJTECH, Dalibor. Structural and mechanical characteristics of the Al-23Si-8Fe-5Mn alloy prepared by combination of centrifugal spraying and hot die forging. In MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING. ISSN 0921-5093, JUL 29 2014, vol. 610, p. 197-202., WOS

[1.1] DAM, Karel - VOJTECH, Dalibor - PRUSA, Filip. Powder metallurgy Al-6Cr-2Fe-1Ti alloy prepared by melt atomisation and hot ultra-high pressure compaction. In MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND

- PROCESSING. ISSN 0921-5093, 2013, vol. 560, no., pp. 705., WOS
- [1.1] DAM, Karel - VOJTECH, Dalibor - PRUSA, Filip. PROPERTIES OF NANOCRYSTALLINE Al-Cr-Fe-Ti ALLOYS PREPARED BY POWDER METALLURGY. In NANOCON 2012, 4TH INTERNATIONAL CONFERENCE, 2012, vol., no., pp. 253., WOS
- [1.1] CHLUPOVA, Alice - CHLUP, Zdenek - KUBENA, Ivo. MICROSTRUCTURE EVOLUTION DURING FATIGUE LOADING OF BULK NANOSTRUCTURED ALLOY AL(93)FE(3)CR(2)TI(2). In NANOCON 2012, 4TH INTERNATIONAL CONFERENCE, 2012, vol., no., pp. 328., WOS
- [1.1] PRUSA, F. - VOJTECH, D. Mechanical properties and thermal stability of Al-23Si-8Fe-1Cr and Al-23Si-8Fe-5Mn alloys prepared by powder metallurgy. In MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING. ISSN 0921-5093, 2013, vol. 565, no., pp. 13., WOS
- [1.1] PRUSA, F. - VOJTECH, D. MECHANICAL PROPERTIES AND THERMAL STABILITY OF AlSi-X BASED ALLOYS PREPARED BY CENTRIFUGAL ATOMIZATION. In METAL 2013: 22ND INTERNATIONAL CONFERENCE ON METALLURGY AND MATERIALS. 2013, p. 1189-1194., WOS
- [1.1] PRUSA, F. - VOJTECH, D. PROPERTIES OF Al-BASED ALLOYS PREPARED BY CENTRIFUGAL ATOMISATION AND HOT EXTRUSION. In METAL 2014: 23RD INTERNATIONAL CONFERENCE ON METALLURGY AND MATERIALS. 2014, p. 1345-1350., WOS
- [1.1] PRUSA, F. - VOJTECH, D. - MICHALCOVA, A. - MAREK, I. Mechanical properties and thermal stability of Al-Fe-Ni alloys prepared by centrifugal atomisation and hot extrusion. In MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING. ISSN 0921-5093, MAY 6 2014, vol. 603, p. 141-149., WOS
- [1.1] STAN, K. - LITYNSKA-DOBZYNSKA, L. - OCHIN, P. - WIERZBICKA-MIERNIK, A. - GORAL, A. - WOJEWODA-BUDKA, J. EFFECT OF ALLOYING ELEMENTS ON MICROSTRUCTURE AND PROPERTIES OF Al-Mn-Fe RIBBON. In ARCHIVES OF METALLURGY AND MATERIALS. ISSN 1733-3490, 2013, vol. 58, no. 2, p. 341-346., WOS
- [1.1] VOJTECH, Dalibor - DAM, Karel - PRUSA, Filip. Highly Thermally Stable Light-Weight Al Based Alloys Prepared by Centrifugal Atomization and Powder Compaction. In METALLOGRAPHY XV. ISSN 0255-5476, 2014, vol. 782, p. 347-352., WOS
- [1.2] VODIROVA, M. - NOVAK, P. - VOJTECH, D. Microstructure of rapidly solidified and hot-pressed Al-Fe-X alloys. In MATERIALI IN TEHNOLOGIJE. ISSN 1580-2949, 2014, vol. 48, pp. 349-353., SCOPUS

ADCA161 D' ANNA, E. - LEGGIERI, G. - LUCHES, A. - LÁNYI, Štefan - ZEMEK, J. Pulsed laser synthesis of titanium silicides using a Q-switched ND- glass-laser. In *Applied Physics A: Materials Science & Processing*, 1989, vol. 48, no. 6, p. 503-507. ISSN 0947-8396.

Ohlasy:

- [1.1] MAKAROV, Vladimir I. - KHMELINSKII, Igor - KOCHUBEI, Sergey A. Observation of spin-polarized state transport from a ferromagnetic to a

conductive material. In JOURNAL OF APPLIED PHYSICS, 2011, vol.110, no.6, 063717., WOS

[1.1] MAKAROV, Vladimir I. - KHMELINSKII, Igor - KOCHUBEI, Sergey A. Spin-polarized state transport from ferromagnetic to conductive material: Signal amplification by ferromagnetic layer. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2012, vol. 112, no. 8, 084310., WOS

ADCA162 D' ARIANO, G.M. - PERINOTTI, P. - SEDLÁK, Michal. Extremal quantum protocols. In *Journal of Mathematical Physics*, 2011, vol. 52, no. 8, 082202. (1.291 - IF2010). (2011 - Current Contents). ISSN 0022-2488.

Ohlasy:

[1.1] JENCOVA, Anna. Extremality conditions for generalized channels. In JOURNAL OF MATHEMATICAL PHYSICS. ISSN 0022-2488, 2012, vol. 53, no. 12, 122203., WOS

[1.1] JENCOVA, Anna. Extremal generalized quantum measurements. In LINEAR ALGEBRA AND ITS APPLICATIONS. ISSN 0024-3795, 2013, vol. 439, no. 12, pp. 4070., WOS

[1.1] MODI, Kavan - BRODUTCH, Aharon - CABLE, Hugo - PATEREK, Tomasz - VEDRAL, Vlatko. The classical-quantum boundary for correlations: Discord and related measures. In REVIEWS OF MODERN PHYSICS. ISSN 0034-6861, 2012, vol. 84, no. 4, pp. 1655., WOS

[1.1] PELLONPAA, Juha-Pekka. Quantum instruments: II. Measurement theory. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2013, vol. 46, no. 2, 025303., WOS

[1.1] PELLONPAA, Juha-Pekka. Modules and extremal completely positive maps. In POSITIVITY. ISSN 1385-1292, 2014, vol. 18, no. 1, pp. 61., WOS

ADCA163 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. (7.622 - IF2010). (2011 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Ohlasy:

[1.1] BOVENSIEPEN, Uwe - KIRCHMANN, Patrick S. Elementary relaxation processes investigated by femtosecond photoelectron spectroscopy of two-dimensional materials. In LASER & PHOTONICS REVIEWS. ISSN 1863-8880, 2012, vol. 6, no. 5, pp. 589., WOS

[1.1] IBEK, Mateusz - LEITNER, Torsten - ERKO, Alexei - FIRSOV, Alexander - WERNET, Philippe. Monochromatizing and focussing femtosecond high-order harmonic radiation with one optical element. In REVIEW OF SCIENTIFIC INSTRUMENTS. ISSN 0034-6748, 2013, vol. 84, no. 10, 103102., WOS

[1.1] NEPPL, Stefan - SHAVORSKIY, Andrey - ZEGKINOGLU, Ioannis - FRAUND, Matthew - SLAUGHTER, Daniel S. - TROY, Tyler - ZIEMKIEWICZ, Michael P. - AHMED, Musahid - GUL, Sheraz - RUDE, Bruce - ZHANG, Jin Z. - TREMSIN, Anton S. - GLANS, Per-Anders - LIU, Yi-Sheng - WU, Cheng Hao - GUO, Jinghua - SALMERON, Miquel - BLUHM, Hendrik - GESSNER, Oliver. Capturing interfacial photoelectrochemical dynamics with picosecond time-resolved X-ray photoelectron spectroscopy. In FARADAY

DISCUSSIONS. ISSN 1359-6640, 2014, vol. 171, pp. 219., WOS
 [1.1] OURA, Masaki - WAGAI, Tatsuya - CHAINANI, Ashish - MIYAWAKI, Jun - SATO, Hiromi - MATSUNAMI, Masaharu - EGUCHI, Ritsuko - KISS, Takayuki - YAMAGUCHI, Takashi - NAKATANI, Yasuhiro - TOGASHI, Tadashi - KATAYAMA, Tetsuo - OGAWA, Kanade - YABASHI, Makina - TANAKA, Yoshihito - KOHMURA, Yoshiki - TAMASAKU, Kenji - SHIN, Shik - ISHIKAWA, Tetsuya. Development of a single-shot CCD-based data acquisition system for time-resolved X-ray photoelectron spectroscopy at an X-ray free-electron laser facility. In JOURNAL OF SYNCHROTRON RADIATION. ISSN 0909-0495, 2014, vol. 21, pp. 183., WOS
 [1.1] ROHDE, G. - ROHWER, T. - SOHRT, C. - STANGE, A. - HELLMANN, S. - YANG, L. X. - HANFF, K. - CARR, A. - MURNANE, M. M. - KAPTEYN, H. - KIPP, L. - ROSSNAGEL, K. - BAUER, M. Tracking the relaxation pathway of photo-excited electrons in 1T-TiSe₂. In EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS. ISSN 1951-6355, 2013, vol. 222, no. 5, pp. 997., WOS
 [1.1] WERNET, Philippe. Electronic structure in real time: mapping valence electron rearrangements during chemical reactions. In PHYSICAL CHEMISTRY CHEMICAL PHYSICS, 2011, vol.13, no.38, 16941., WOS
 [1.1] YAMAMOTO, Susumu - MATSUDA, Iwao. Time-Resolved Photoelectron Spectroscopies Using Synchrotron Radiation: Past, Present, and Future. In JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN. ISSN 0031-9015, 2013, vol. 82, no. 2, 021003., WOS

ADCA164 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: 3368keV gamma radiation from Be-10 fragments. In *Physical review C : nuclear physics*, 2004, vol. 69, no. 4, 041305. (2.708 - IF2003). (2004 - Current Contents, SCOPUS). ISSN 0556-2813.

Ohlasy:

[1.1] GIARDINA, G. Bremsstrahlung emission of photons. In JOURNAL OF PHYSICS: CONFERENCE SERIES, 2011, vol. 282, 012016., WOS
 [1.1] ISMAIL, M. In CANADIAN JOURNAL OF PHYSICS, 2013, vol. 91, p. 401-410., WOS
 [1.1] MANIMARAN, K. All possible ternary fragmentations. In PHYSICAL REVIEW C, 2011, vol. 83, 034609., WOS
 [1.1] NASIROV, A.K. et al. In PHYSICA SCRIPTA, 2014, vol. 89, 054022., WOS
 [1.1] RONEN, Y. In PHYSICA SCRIPTA, vol. 85, 2012, no. 6, 065203., WOS
 [1.1] SANTHOSH, K.P. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E, 2014, vol. 23, 1450071., WOS
 [1.1] VIJAYARAGHAVAN, K.R. In PHYSICAL REVIEW C, 2014, vol. 90, 024601., WOS

ADCA165 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, p. 6255-6266. (3.941 - IF2012). (2013 - Current Contents, WOS, SCOPUS). ISSN 1359-6454.

Ohlasy:

[1.1] ANGERER, Paul - STROBL, Stefan. Equi-penetration grazing incidence X-ray diffraction method: Stress depth profiling of ground silicon nitride. In *ACTA MATERIALIA*. ISSN 1359-6454, 2014, vol. 77, pp. 370., WOS

[1.1] BEMPORAD, E. - BRISOTTO, M. - DEPERO, L. E. - GELFI, M. - KORSUNSKY, A. M. - LUNT, A. J. G. - SEBASTIANI, M. A critical comparison between XRD and FIB residual stress measurement techniques in thin films. In *THIN SOLID FILMS*. ISSN 0040-6090, 2014, vol. 572, pp. 224., WOS

ADCA166 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. (4.034 - IF2008). (2009 - Current Contents, WOS, SCOPUS). ISSN 0370-2693.

Ohlasy:

[1.1] ARMONI, A.-PATELLA, A. In *PHYSICAL REVIEW D*, 2012, vol. 85, 125021., WOS

[1.1] LOEWE, M. - MARQUEZ, F. - VILLAVICENCIO, C. Nonlocal Nambu-Jona-Lasinio model with a fractional Lorentzian regulator in the real time formalism. In *PHYSICAL REVIEW D*. ISSN 1550-7998, 2013, vol. 88, no. 5, 056004., WOS

ADCA167 DARBY, I.G. - PAGE, R.D. - JOSS, D.T. - BIANCO, L. - GRAHN, T. - JUDSON, D.S. - SIMPSON, J. - EECKHAUDT, S. - GREENLEES, P.T. - JONES, P.M. - JULIN, R. - JUUTINEN, S. - KETELHUT, S. - LEINO, M. - LEPPANEN, A.-P. - NYMAN, M. - RAHKILA, P. - SAREN, J. - SCHOLEY, C. - STEER, A.N. - UUSITALO, J. - VENHART, Martin - ERTURK, S. - GALL, B. - HADINIA, B. Precision measurements of proton emission from the ground states of Ta-156 and Re-160. In *Physical Review C*, 2011, vol. 83, no. 6, 064320. (3.416 - IF2010). (2011 - Current Contents). ISSN 0556-2813.

Ohlasy:

[1.1] RAJESWARI, N. S. - BALASUBRAMANIAM, M. Exotic decay modes of odd-Z (105-119) superheavy nuclei. In *EUROPEAN PHYSICAL JOURNAL A*. ISSN 1434-6001, 2014, vol. 50, no. 6, 105., WOS

[1.1] ZHAO, Qiang - DONG, Jian Min - SONG, Jun Ling - LONG, Wen Hui. Proton radioactivity described by covariant density functional theory with the similarity renormalization group method. In *PHYSICAL REVIEW C*. ISSN 0556-2813, 2014, vol. 90, no. 5, 054326., WOS

ADCA168 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. (3.308 - IF2011). (2012 - Current Contents, WOS, SCOPUS). ISSN 0556-2813.

Ohlasy:

[1.1] DELGADO-ACOSTA, E. G. - KIRCHBACH, M. - NAPSUCIALE, M. - RODRIGUEZ, S. Compton scattering off massive fundamental bosons of pure

spin 1. In PHYSICAL REVIEW D. ISSN 1550-7998, 2013, vol. 87, no. 9, 096010., WOS

ADCA169 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. (2007 - Current Contents). ISSN 1476-1122.

Ohlasy:

[1.1] DE BOISSIEU, Marc. Phonons and Phasons in Icosahedral Quasicrystals. In ISRAEL JOURNAL OF CHEMISTRY, 2011, vol.51, no.11-12, 1292., WOS

[1.1] JANSSEN, T. Fifty years of aperiodic crystals. In ACTA CRYSTALLOGRAPHICA SECTION A. ISSN 0108-7673, 2012, vol. 68, pp. 667., WOS

[1.1] TOUDIC, B. - LEFORT, R. - ECOLIVET, C. - GUERIN, L. - CURRAT, R. - BOURGES, P. - BREZIEWSKI, T. Mixed Acoustic Phonons and Phase Modes in an Aperiodic Composite Crystal. In PHYSICAL REVIEW LETTERS, 2011, vol.107, no.20., WOS

ADCA170 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.

Ohlasy:

[1.1] ADESSO, Gerardo - D&APOS;AMBROSIO, Vincenzo - NAGALI, Eleonora - PIANI, Marco - SCIARRINO, Fabio. Experimental Entanglement Activation from Discord in a Programmable Quantum Measurement. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2014, vol. 112, no. 14, 140501., WOS

[1.1] BANG, Jeongho - LEE, Seung-Woo - JEONG, Hyunseok - LEE, Jinhyoung. Procedures for realizing an approximate universal-NOT gate. In PHYSICAL REVIEW A. ISSN 1050-2947, 2012, vol. 86, no. 6., WOS

[1.1] BERTINI, Cesarino - LEPORINI, Roberto. LOGICS FROM QUANTUM COMPUTATION WITH BOUNDED ADDITIVE OPERATORS. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION. ISSN 0219-7499, 2012, vol. 10, no. 3, 1250036., WOS

[1.1] ECKSTEIN, Andreas - BOUCHER, Guillaume - LEMAITRE, Aristide - FILLOUX, Pascal - FAVERO, Ivan - LEO, Giuseppe - SIPE, John E. - LISCIDINI, Marco - DUCCI, Sara. High-resolution spectral characterization of two photon states via classical measurements. In LASER & PHOTONICS REVIEWS. ISSN 1863-8880, 2014, vol. 8, no. 5, pp. L76., WOS

[1.1] FAN, Heng - WANG, Yi-Nan - JING, Li - YUE, Jie-Dong - SHI, Han-Duo - ZHANG, Yong-Liang - MU, Liang-Zhu. Quantum cloning machines and the applications. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, 2014, vol. 544, no. 3, pp. 241., WOS

[1.1] CHEN, Hongwei - LU, Dawei - CHONG, Bo - QIN, Gan - ZHOU, Xianyi - PENG, Xinhua - DU, Jiangfeng. Experimental Demonstration of Probabilistic Quantum Cloning. In PHYSICAL REVIEW LETTERS, 2011,

vol.106, no.18., WOS

[1.1] JEZEK, M. - MICUDA, M. - STRAKA, I. - MIKOVA, M. - DUSEK, M. - FIURASEK, J. Orthogonalization of partly unknown quantum states. In PHYSICAL REVIEW A. ISSN 1050-2947, 2014, vol. 89, no. 4, 042316pp., WOS

[1.1] LEE, Sang Min - BANG, Jeongho - KIM, Heonoh - JEONG, Hyunseok - LEE, Jinhyoung - MOON, Han Seb. Experimental demonstration of error-insensitive approximate universal-NOT gates. In PHYSICAL REVIEW A. ISSN 1050-2947, 2014, vol. 89, no. 5, 052329., WOS

[1.1] LIM, Hyang-Tag - RA, Young-Sik - KIM, Yong-Su - BAE, Joonwoo - KIM, Yoon-Ho - MEYERS, RE - SHIH, Y - DEACON, KS. Physical implementation of non-physical quantum operations: realization of the universal transpose operation. In QUANTUM COMMUNICATIONS AND QUANTUM IMAGING IX, 2011, vol.8163, no., WOS

[1.1] LIM, Hyang-Tag - RA, Young-Sik - KIM, Yong-Su - BAE, Joonwoo - KIM, Yoon-Ho - ULHASAN, Z - HEMMER, PR - LEE, H - SANTORI, CM. Experimental Implementation of the Universal Transpose Operation. In ADVANCES IN PHOTONICS OF QUANTUM COMPUTING, MEMORY, AND COMMUNICATION IV, 2011, vol.7948, no., WOS

[1.1] MISHRA, Devendra Kumar. Unambiguous discrimination of two squeezed states using probabilistic quantum cloning. In OPTICS COMMUNICATIONS. ISSN 0030-4018, 2012, vol. 285, no. 6, pp. 1560., WOS

[1.1] SABERI, Hamed - MARDOUKHI, Yousof. Sequential quantum cloning under real-life conditions. In PHYSICAL REVIEW A. ISSN 1050-2947, 2012, vol. 85, no. 5, 052323., WOS

[1.1] SIOMAU, M. - FRITZSCHE, S. Quantum computing with mixed states. In EUROPEAN PHYSICAL JOURNAL D, 2011, vol.62, no.3, 449., WOS

[1.1] VANNER, M. R. - ASPELMEYER, M. - KIM, M. S. Quantum State Orthogonalization and a Toolset for Quantum Optomechanical Phonon Control. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2013, vol. 110, no. 1, 010504., WOS

[1.1] YANG, Yuxiang - CHIRIBELLA, Giulio - ADESSO, Gerardo. Certifying quantumness: Benchmarks for the optimal processing of generalized coherent and squeezed states. In PHYSICAL REVIEW A. ISSN 1050-2947, 2014, vol. 90, no. 4, 042319., WOS

[1.1] YOSHIKAWA, Jun-ichi - MIWA, Yoshichika - FILIP, Radim - FURUSAWA, Akira. Demonstration of a reversible phase-insensitive optical amplifier. In PHYSICAL REVIEW A, 2011, vol.83, no.5., WOS

[1.1] WOS

ADCA171 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.

Ohlasy:

[1.1] BERCEANU, S. GENERALIZED COHERENT STATES BASED ON SIEGEL-JACOBI DISK. In ROMANIAN JOURNAL OF PHYSICS, 2011, vol.56, no.7-8, 856., WOS

[1.1] BUECKER, Robert - HOHENESTER, Ulrich - BERRADA, Tarik - VAN FRANK, Sandrine - PERRIN, Aurelien - MANZ, Stephanie - BETZ,

- Thomas - GROND, Julian - SCHUMM, Thorsten - SCHMIEDMAYER, Jorg. Dynamics of parametric matter-wave amplification. In PHYSICAL REVIEW A. ISSN 1050-2947, 2012, vol. 86, no. 1, 013638., WOS
- [1.1] GIORDA, Paolo - ALLEGRA, Michele - PARIS, Matteo G. A. Quantum discord for Gaussian states with non-Gaussian measurements. In PHYSICAL REVIEW A. ISSN 1050-2947, 2012, vol. 86, no. 5, 052328., WOS
- [1.1] KEIL, Robert - PEREZ-LEIJA, Armando - DREISOW, Felix - HEINRICH, Matthias - MOYA-CESSA, Hector - NOLTE, Stefan - CHRISTODOULIDES, Demetrios N. - SZAMEIT, Alexander. Classical Analogue of Displaced Fock States and Quantum Correlations in Glauber-Fock Photonic Lattices. In PHYSICAL REVIEW LETTERS, 2011, vol.107, no.10., WOS
- [1.1] LAIHO, Kaisa - AVENHAUS, Malte - SILBERHORN, Christine. Characteristics of displaced single photons attained via higher order factorial moments. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2012, vol. 14, 105011., WOS
- [1.1] LIAO, Jie-Qiao - CHEUNG, H. K. - LAW, C. K. Spectrum of single-photon emission and scattering in cavity optomechanics. In PHYSICAL REVIEW A. ISSN 1050-2947, 2012, vol. 85, no. 2, 025803., WOS
- [1.1] MATSUMOTO, Masao. SU(2) COHERENT STATE PATH INTEGRALS LABELED BY A FULL SET OF EULER ANGLES: BASIC FORMULATION. In INTERNATIONAL JOURNAL OF MODERN PHYSICS B. ISSN 0217-9792, 2012, vol. 26, no. 29, 1250143., WOS
- [1.1] MOYA-CESSA, Hector - SOTO-EGUIBAR, Francisco - VARGAS-MARTINEZ, Jose M. - JUAREZ-AMARO, Raul - ZUNIGA-SEGUNDO, Arturo. Ion-laser interactions: The most complete solution. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, 2012, vol. 513, no. 5, pp. 229., WOS
- [1.1] WINDHAGER, A. - SUDA, M. - PACHER, C. - PEEV, M. - POPPE, A. Quantum interference between a single-photon Fock state and a coherent state. In OPTICS COMMUNICATIONS, 2011, vol.284, no.7, 1907., WOS
- [1.1] YANG, L. P. - LI, Y. - SUN, C. P. Franck-Condon effect in central spin system. In EUROPEAN PHYSICAL JOURNAL D. ISSN 1434-6060, 2012, vol. 66, no. 11, 300., WOS
- [1.2] ÁLVAREZ-ESTRADA, Ramón F. Complementarity, quartic polynomials and quantum states. In Physica Scripta. ISSN 00318949, 2013-03-01, 87, T153, 014002., SCOPUS
- [1.2] BÜCKER, Robert - BERRADA, Tarik - VAN FRANK, Sandrine - SCHAFF, Jean François - SCHUMM, Thorsten - SCHMIEDMAYER, Jörg - JÄGER, Georg - GROND, Julian - HOHENESTER, Ulrich. Vibrational state inversion of a Bose-Einstein condensate: Optimal control and state tomography. In Journal of Physics B: Atomic, Molecular and Optical Physics. ISSN 09534075, 2013-05-28, 46, 10, 104012., SCOPUS
- [1.2] COLAVITA, E. - HACYAN, S. Coherent quantum states of a relativistic particle in an electromagnetic plane wave and a parallel magnetic field. In Annals of Physics. ISSN 00034916, 2014-03-01, 342, pp. 205-213., SCOPUS
- [1.2] DE LOS SANTOS-SÁNCHEZ, O. - RÉCAMIER, José A. Morse-like squeezed coherent states and some of their properties. In Journal of Physics A: Mathematical and Theoretical. ISSN 17518113, 2013-09-20, 46, 37, 375303.,

SCOPUS

- [1.2] DE MELO, J. Lemos - BAKKE, K. - FURTADO, C. Quantum holonomies for displaced Landau-Aharonov-Casher states. In Quantum Information Processing. ISSN 15700755, 2014-01-01, 13, 7, pp. 1563-1572., SCOPUS
- [1.2] DEHGHANI, Alireza - MOJAVERI, Bashir. New physics in Landau levels. In Journal of Physics A: Mathematical and Theoretical. ISSN 17518113, 2013-09-27, 46, 38, 385303., SCOPUS
- [1.2] DEHGHANI, A. General displaced $SU(1, 1)$ number states: Revisited. In Journal of Mathematical Physics. ISSN 00222488, 2014-04-10, 55, 4, 043502., SCOPUS
- [1.2] DENG, Wenwu - LI, Gaoxiang. Influences of counter-rotating wave terms on the trace distance of quantum states in the Rabi model. In Journal of Physics B: Atomic, Molecular and Optical Physics. ISSN 09534075, 2013-02-14, 46, 3., SCOPUS
- [1.2] GU, Wen Ju - LI, Gao Xiang - WU, Shao Ping - YANG, Ya Ping. Generation of non-classical states of mirror motion in the single-photon strong-coupling regime. In Optics Express, 2014-01-01, 22, 15, pp. 18254-18267., SCOPUS
- [1.2] JANG, Seokhyun - KIM, Kisik. Adding a single photon to a coherent state. In Journal of the Korean Physical Society. ISSN 03744884, 2014-01-01, 64, 8, pp. 1230-1233., SCOPUS
- [1.2] JUÁREZ-AMARO, Raúl - ZÚÑIGA-SEGUNDO, Arturo Zuniga - SOTO-EGUIBAR, Francisco - MOYA-CESSA, Héctor M Moya. Equivalence between mirror-field-atom and ion-laser interactions. In Applied Mathematics and Information Sciences. ISSN 19350090, 2013-07-01, 7, 4, pp. 1311-1315., SCOPUS
- [1.2] KAISER, S. - CLARK, S. R. - CLARK, S. R. - NICOLETTI, D. - COTUGNO, G. - COTUGNO, G. - TOBEY, R. I. - DEAN, N. - LUPI, S. - OKAMOTO, H. - HASEGAWA, T. - JAKSCH, D. - JAKSCH, D. - CAVALLERI, A. - CAVALLERI, A. Optical properties of a vibrationally modulated solid state Mott insulator. In Scientific Reports, 2014-01-22, 4, 3823., SCOPUS
- [1.2] LIAO, Jieqiao - LAW, Chikin. Correlated two-photon scattering in cavity optomechanics. In Physical Review A Atomic, Molecular, and Optical Physics. ISSN 10502947, 2013-04-08, 87, 4, 043809., SCOPUS
- [1.2] LIU, FeiRan - TONG, Ninghua. Single mode approximation for sub-Ohmic spin-boson model: Adiabatic limit and critical properties. In European Physical Journal B. ISSN 14346028, 2013-04-01, 86, 4, 141., SCOPUS
- [1.2] MESSINA, A. In OPEN SYSTEMS AND INFORMATION DYNAMICS, 2013, vol. 20, 1340004., SCOPUS
- [1.2] MIRANOWICZ, Adam - MIRANOWICZ, Adam - BAJER, Jiří - PAPRZYCKA, Małgorzata - LIU, Yu Xi - LIU, Yu Xi - LIU, Yu Xi - ZAGOSKIN, Alexandre M. - ZAGOSKIN, Alexandre M. - NORI, Franco - NORI, Franco. State-dependent photon blockade via quantum-reservoir engineering. In Physical Review A . ISSN 10502947, 2014-09-19, 90, 3, 033831., SCOPUS
- [1.2] MOYA-CESSA, Héctor M Moya. Relation between the Glauber-Sudarshan and Kirkwood-Rihaczek distribution functions. In Journal of Modern Optics. ISSN 09500340, 2013-05-01, 60, 9, pp. 726-730., SCOPUS

- [1.2] MOYA-CESSA, Héctor M Moya - CHRISTODOULIDES, Demetrios N. A simple way to reconstruct the Wigner function. In *Applied Mathematics and Information Sciences*. ISSN 19350090, 2013-05-01, 7, 3, pp. 839-841., SCOPUS
- [1.2] OJEDA-GUILLÉN, D. - MOTA, R. D. - GRANADOS, V. D. The $SU(1, 1)$ perelomov number coherent states and the non-degenerate parametric amplifier. In *Journal of Mathematical Physics*. ISSN 00222488, 2014-04-23, 55, 4, 042109., SCOPUS
- [1.2] PHILBIN, T. G. Generalized coherent states. In *American Journal of Physics*. ISSN 00029505, 2014-08-08, 82, 8, pp 742-748., SCOPUS
- [1.2] PLASTINA, Francesco - SINDONA, Alfredo - GOOLD, John - LO GULLO, Nicola - LORENZO, S. Decoherence in a fermion environment: Non-markovianity and orthogonality catastrophe. In *Open Systems and Information Dynamics*. ISSN 12301612, 2013-09-01, 20, 3, ., SCOPUS
- [1.2] ROMÁN-ANCHEYTA, R. - GONZÁLEZ GUTIÉRREZ, C. - RÉCAMIER, J. Photon-added nonlinear coherent states for a one-mode Field in a kerr medium hoton-added nonlinear coherent states for a one-mode Field in a kerr medium. In *Journal of the Optical Society of America B: Optical Physics*. ISSN 07403224, 2014-01-01, 31, 1, pp. 38-44., SCOPUS
- [1.2] XU, GaoFeng - LAW, Chikin. Dark states of a moving mirror in the single-photon strong-coupling regime. In *Physical Review A Atomic, Molecular, and Optical Physics*. ISSN 10502947, 2013-05-30, 87, 5, 053849., SCOPUS
- [1.2] ZIESEL, Frank - RUSTER, T. - WALTHER, Andreas - KAUFMANN, Holger J. - DAWKINS, Samuel T. - SINGER, Kilian D. - SCHMIDT-KALER, Ferdinand - POSCHINGER, Ulrich G. Experimental creation and analysis of displaced number states. In *Journal of Physics B: Atomic, Molecular and Optical Physics*. ISSN 09534075, 2013-05-28, 46, 10, 104008., SCOPUS

ADCA172 DEANKO, Martin - PALUGA, Marek - KEPAPTSOGLU, 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. (1.250 - IF2006). (2007 - Current Contents, WOS, SCOPUS). ISSN 0925-8388.

Ohlasy:

- [1.1] VAROUTI, Eirini - HRISTOFOROU, E - VLACHOS, DS. Characterization of amorphous, magnetic Fe-Si-B ribbons. In *MATERIALS AND APPLICATIONS FOR SENSORS AND TRANSDUCERS II*. ISSN 1013-9826, 2013, vol. 543, no., pp. 476., WOS
- [1.1] VAROUTI, Eirini - HRISTOFOROU, E - VLACHOS, DS. Preparation and crystallization kinetics of FeSiB amorphous ribbons under non-isothermal regime. In *MATERIALS AND APPLICATIONS FOR SENSORS AND TRANSDUCERS III*. ISSN 1013-9826, 2014, vol. 605, pp. 35-38., WOS

ADCA173 DEANKO, M. - KEPAPTSOGLU, D.M. - MÜLLER, Dušan - JANIČKOVIČ, Dušan - ŠKORVÁNEK, Ivan - HRISTOFOROU, E. - ŠVEC, Peter. Identification and quantification of microstructures formed during nanocrystallization of amorphous (Fe, Co)-Nb-(Si, B) systems. In *Journal of Microscopy - Oxford*, 2006, vol. 223, no. 3, p. 260-263. (2.095 - IF2005). (2006 - Current Contents, WOS, SCOPUS). ISSN 0022-2720.

Ohlasy:

[1.1] VAROUTI, Eirini - HRISTOFOROU, E - VLACHOS, DS. Characterization of amorphous, magnetic Fe-Si-B ribbons. In MATERIALS AND APPLICATIONS FOR SENSORS AND TRANSDUCERS II. ISSN 1013-9826, 2013, vol. 543, no., pp. 476., WOS

[1.1] VAROUTI, Eirini - HRISTOFOROU, E - VLACHOS, DS. Preparation and crystallization kinetics of FeSiB amorphous ribbons under non-isothermal regime. In MATERIALS AND APPLICATIONS FOR SENSORS AND TRANSDUCERS III. ISSN 1013-9826, 2014, vol. 605, pp. 35-38., WOS

ADCA174 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. (1.300 - IF1991). (1992 - Current Contents). ISSN 0304-8853.

Ohlasy:

[1.1] CHEN, Dong-Ming - XING, Da-Wei - QIN, Fa-Xiang - LIU, Jing-Shun - WANG, Huan - WANG, Xiao-Dong - SUN, Jian-Fei. Correlation of magnetic domains, microstructure and GMI effect of Joule-annealed melt-extracted Co_{68.15}Fe_{4.35}Si_{12.25}B_{13.75}Nb₁Cu_{0.5} microwires for double functional sensors. In PHYSICA STATUS SOLIDI A-APPLICATIONS AND MATERIALS SCIENCE. ISSN 1862-6300, 2013, vol. 210, no. 11, pp. 2515., WOS

ADCA175 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] CARDOSO, N. - CARDOSO, M. - BICUDO, P. Colour field flux tubes and Casimir scaling for various SU(3) representations. In PHYSICS LETTERS B. ISSN 0370-2693, 2012, vol. 710, no. 2, pp. 343-348., WOS

[1.1] MARSH, Kristen - LEWIS, Randy. Lattice QCD study of generalized gluelumps. In PHYSICAL REVIEW D. ISSN 1550-7998, 2014, vol. 89, no. 1, 014502., WOS

[1.1] MYKKANEN, Anne - PANERO, Marco - RUMMUKAINEN, Kari. Casimir scaling and renormalization of Polyakov loops in large-N gauge theories. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2012, no. 5, 069., WOS

ADCA176 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] BOWMAN, Patrick O. - LANGFELD, Kurt - LEINWEBER, Derek B. - STERNBECK, Andre - VON SMEKAL, Lorenz - WILLIAMS, Anthony G. Role of center vortices in chiral symmetry breaking in SU(3) gauge theory. In PHYSICAL REVIEW D, 2011, vol.84, no.3, 034501., WOS

[1.1] DE LEMOS, A. L. L. - OXMAN, L. E. - TEIXEIRA, B. F. I. Derivation of an Abelian effective model for instanton chains in 3D Yang-Mills theory. In PHYSICAL REVIEW D. ISSN 1550-7998, 2012, vol. 85, no. 12,

125014., WOS

[1.1] ENGELHARDT, M. Center vortex model for the infrared sector of SU(3) Yang-Mills theory: Topological susceptibility. In PHYSICAL REVIEW D, 2011, vol.83, no.2, 025015., WOS

[1.1] FOSCO, C. D. - OXMAN, L. E. A non Abelian effective model for ensembles of magnetic defects in 3D Yang-Mills theory. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2013, vol. 46, no. 33, 335401., WOS

[1.1] GONGYO, Shinya - IRITANI, Takumi - SUGANUMA, Hideo. Gauge-invariant formalism with a Dirac-mode expansion for confinement and chiral symmetry breaking. In PHYSICAL REVIEW D. ISSN 1550-7998, 2012, vol. 86, no. 3, 034510., WOS

[1.1] CHERNODUB, M. N. - KALAYDZHYAN, Tigran - VAN DOORSSELAERE, Jos - VERSCHELDE, Henri. On chromoelectric (super)conductivity of the Yang-Mills vacuum. In PHYSICS LETTERS B. ISSN 0370-2693, 2014, vol. 730, pp. 63-66., WOS

[1.1] IRITANI, Takumi - SUGANUMA, Hideo. Lattice QCD analysis of the Polyakov loop in terms of Dirac eigenmodes. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS. ISSN 2050-3911, 2014, no. 3, 033B03., WOS

[1.1] IRITANI, T.-SUGANUMA, H. Lattice QCD analysis for Faddeev-Popov eigenmodes. In PHYSICAL REVIEW D, 2012, vol. 86, 074034., WOS

[1.1] LANGFELD, Kurt - ILGENFRITZ, Ernst-Michael - LLANESESTRADA, FJ - PELAEZ. Yang-Mills streamlines and semi-classical confinement. In IX INTERNATIONAL CONFERENCE ON QUARK CONFINEMENT AND THE HADRON SPECTRUM (QCHS IX), 2011. AIP CONFERENCE PROCEEDINGS, 2011, vol.1343, 143-145., WOS

[1.1] OSTRANDER, A. - SANTOPINTO, E. - SZCZEPANIAK, A. P. - VASSALLO, A. Gluon chain formation in presence of static charges. In PHYSICAL REVIEW D. ISSN 1550-7998, 2012, vol. 86, no. 11, 114015., WOS

[1.1] OXMAN, L. E. Diagonal deformations of thin center vortices and their stability in Yang-Mills theories. In JOURNAL OF HIGH ENERGY PHYSICS, 2011, no.7, 078., WOS

[1.1] OXMAN, L. E. - SANTOS-ROSA, G. C. - TEIXEIRA, B. F. I. Coloured loops in 4D and their effective field representation. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2014, vol. 47, no. 30, 305401., WOS

[1.1] O'MALLEY, E.-A. SU (3) centre vortices. In PHYSICAL REVIEW D, 2012, vol. 86, 054503., WOS

[1.1] RAFIBAKHSH, Shahnoosh. Effect of the SU(4) group factor in the thick center vortex potentials. In PHYSICAL REVIEW D. ISSN 1550-7998, 2014, vol. 89, no. 3, 034503., WOS

[1.1] SZCZEPANIAK, Adam P. - REINHARDT, Hugo. Schwinger-Dyson equations and disorder. In PHYSICAL REVIEW D, 2011, vol.84, no.5, 056011., WOS

[1.1] ZIMMERMANN, F.-FORKEL, H.-MULLER-PREUSSKER, M. Vacuum structure and string tension in Yang-Mills dimeron ensembles. In PHYSICAL REVIEW D, 2012, vol. 86, 094005., WOS

[3] BURGIO, G. 't Hooft loop and the phases of SU(2) LGT. In LATTICE

- 2013 (Proceedings of Science- LATTICE 2013, SISSA, 2013), p. 493.
- [3] FOSCO, C.D. - OXMAN, L.E. A non Abelian effective model for correlated monopoles and center vortices in QCD3. In PREPRINT HEP-TH/1104.3552, 2011.
- [3] CHERNODUB, M.N. In PREPRINT HEP-PH/1212.3168, 2012.
- [3] KALAYDZHYAN, Tigran. Quark-gluon plasma in strong magnetic fields. In PhD THESIS, UNIVERSITY OF HAMBURG, 2013.
- [3] ZHANG, B. Two aspects of the quantum chromodynamics transition at finite temperature. In PhD THESIS, UNIVERSITY OF REGENSBURG, 2011.
- [3] ZUBKOV, M.A. In PREPRINT DOCTORAL THESIS (ITEP, Moscow), HEP-PH/1207.4619, 2012.

ADCA177 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] RAFIBAKHSH, Shahnoosh. Effect of the SU(4) group factor in the thick center vortex potentials. In PHYSICAL REVIEW D. ISSN 1550-7998, 2014, vol. 89, no. 3, 034503., WOS
- [3] ZUBKOV, M.A. In PREPRINT DOCTORAL THESIS (ITEP, Moscow), HEP-PH/1207.4619, 2012.

ADCA178 DEL DEBBIO, L. - DI GIACOMO, A. - MAGGIORE, M. - OLEJNÍK, Štefan. Confinement and monopoles in lattice QCD. In *Physics Letters B*, 1991, vol. 267, p. 254-260. ISSN 0370-2693.

Ohlasy:

- [3] BONATI, C. Confinement, deconfinement and monopoles in gauge theories. In PhD THESIS, UNIVERSITY OF PISA, 2011.
[HTTP://INSPIREHEP.NET/RECORD/1088683/FILES/phdt.pdf](http://inspirehep.net/record/1088683/files/phdt.pdf).

ADCA179 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. ISSN 1550-7998.

Ohlasy:

- [1.1] BOWMAN, Patrick O. - LANGFELD, Kurt - LEINWEBER, Derek B. - STERNBECK, Andre - VON SMEKAL, Lorenz - WILLIAMS, Anthony G. Role of center vortices in chiral symmetry breaking in SU(3) gauge theory. In PHYSICAL REVIEW D, 2011, vol.84, no.3, 034501., WOS
- [1.1] ENGELHARDT, M. Center vortex model for the infrared sector of SU(3) Yang-Mills theory: Topological susceptibility. In PHYSICAL REVIEW D, 2011, vol.83, no.2, 025015., WOS
- [1.1] FOSCO, C. D. - OXMAN, L. E. A non Abelian effective model for ensembles of magnetic defects in 3D Yang-Mills theory. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2013, vol. 46, no. 33, 335401., WOS
- [1.1] GOGOKHIA, V - BARNAFOLDI, GG. Mass Gap and its Applications. In MASS GAP AND ITS APPLICATIONS, 2013, pp. 1-236., WOS
- [1.1] CHERNODUB, M. N. - KALAYDZHYAN, Tigran - VAN DOORSSELAERE, Jos - VERSCHELDE, Henri. On chromoelectric

(super)conductivity of the Yang-Mills vacuum. In PHYSICS LETTERS B. ISSN 0370-2693, 2014, vol. 730, pp. 63-66., WOS

- [1.1] CHERNODUB, M. N. - NAKAGAWA, Y. - NAKAMURA, A. - SAITO, T. - ZAKHAROV, V. I. Gluon propagators and center vortices in gluon plasma. In PHYSICAL REVIEW D, 2011, vol.83, no.11, 114501., WOS
- [1.1] IRITANI, Takumi - SUGANUMA, Hideo. Lattice QCD analysis of the Polyakov loop in terms of Dirac eigenmodes. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS. ISSN 2050-3911, 2014, no. 3, 033B03., WOS
- [1.1] LANGFELD, Kurt - WIPF, Andreas. Fermi-Einstein condensation in dense QCD-like theories. In ANNALS OF PHYSICS. ISSN 0003-4916, 2012, vol. 327, no. 4, pp. 994., WOS
- [1.1] O'MALLEY, E.-A. SU(3) center vortices underpin confinement. In PHYSICAL REVIEW D, 2012, vol. 86, no. 5, 054503., WOS
- [1.1] ZIMMERMANN, Falk - FORKEL, Hilmar - MUELLER-PREUSSKER, Michael. Vacuum structure and string tension in Yang-Mills dimeron ensembles. In PHYSICAL REVIEW D. ISSN 1550-7998, 2012, vol. 86, no. 9, 094005., WOS
- [3] FOSCO, C.D.-OXMAN, L.E. A non Abelian effective model. In PREPRINT HEP-TH/1104.3552, 2011.
- [3] CHERNODUB, M.N. In PREPRINT HEP-PH/ 1212.3168, 2012.
- [3] KALAYDZHYAN, Tigran. Quark-gluon plasma in strong magnetic fields. In PhD THESIS, UNIVERSITY OF HAMBURG, 2013.
- [3] ZHANG, B. Two aspects of the quantum chromodynamics transition at finite temperature. In PhD THESIS, UNIVERSITY OF REGENSBURG, 2011.
- [3] ZUBKOV, M.A. In PREPRINT DOCTORAL THESIS (ITEP, Moscow), HEP-PH/ 1207.4619, 2012.

ADCA180 DELLACQUA, G. - KRAJČÍ, Marián - HAFNER, J. Face-centred icosahedral Al-Mg-Li alloys. In *Journal of Physics: Condensed Matter*, 1997, vol. 9, no. 48, p. 10725-10738. (1.487 - IF1996). (1997 - Current Contents, WOS, SCOPUS). ISSN 0953-8984.

Ohlasy:

- [1.1] CULLITON, D. - BETTS, A. J. - KENNEDY, D. Impact of intermetallic precipitates on the tribological and/or corrosion performance of cast aluminium alloys: a short review. In INTERNATIONAL JOURNAL OF CAST METALS RESEARCH. ISSN 1364-0461, 2013, vol. 26, no. 2, pp. 65., WOS

ADCA181 DENIOZOU, Th. - ADDOU, R. - SHUKLA, A.K. - HEGGEN, M. - FEUERBACHER, M. - KRAJČÍ, Marián - HAFNER, J. - WIDMER, R. - GRONING, O. - FOURNÉE, V. - DUBOIS, J.-M. - LEDIEU, J. Structure of the (010) surface of the orthorhombic complex metallic alloy T-Al₃(Mn, Pd). In *Physical Review B*, 2010, vol. 81, 125418. (3.475 - IF2009). (2010 - Current Contents, WOS, SCOPUS). ISSN 1098-0121.

Ohlasy:

- [1.1] ADDOU, R. In JOURNAL OF PHYSICS-CONDENSED MATTER, 2011, vol. 23, no. 43, 435009., WOS
- [1.1] DUGUET, T. Chemical contrast in STM. In PROGRESS IN SURFACE SCIENCE, vol. 87, 2012, p. 47., WOS
- [1.1] SHIN, S. In PHYSICAL REVIEW B, 2011, vol. 84, 115454., WOS

- [1.1] SHIN, S. In PHYSICAL REVIEW B, 2011, vol. 84, 085411., WOS
- [1.1] VILLASECA, S. In JOURNAL OF PHYSICAL CHEMISTRY C, 2011, vol. 115, p. 14922., WOS
- [1.1] VILLASECA, S. In PHILOSOPHICAL MAGAZINE, 2011, vol. 91, p. 1894., WOS

ADCA182 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.

Ohlasy:

- [1.1] BERMUDEZ, A. - ALMEIDA, J. - SCHMIDT-KALER, F. - RETZKER, A. - PLENIO, M.B. In PHYSICAL REVIEW LETTERS. NOV 11 2011, vol. 107, no. 20., WOS
- [1.2] Suzuki, S., Inoue, J.-I., Chakrabarti, B.K. Lecture Notes in Physics (2013) 862, pp. 1-414, SCOPUS

ADCA183 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. (6.140 - IF1997). (1998 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Ohlasy:

- [1.1] AVILA AOKI, Manuel. Optimal Estimate of a Pure Qubit State from Uhlmann-Josza Fidelity. In BRAZILIAN JOURNAL OF PHYSICS. ISSN 0103-9733, 2012, vol. 42, no. 1-2, pp. 1., WOS
- [1.1] DE MARTINI, Francesco - SCIARRINO, Fabio. Colloquium: Multiparticle quantum superpositions and the quantum-to-classical transition. In REVIEWS OF MODERN PHYSICS. ISSN 0034-6861, 2012, vol. 84, no. 4, pp. 1765., WOS
- [1.1] GAO, W. B. - FALLAHI, P. - TOGAN, E. - DELTEIL, A. - CHIN, Y. S. - MIGUEL-SANCHEZ, J. - IMAMOGLU, A. Quantum teleportation from a propagating photon to a solid-state spin qubit. In NATURE COMMUNICATIONS. ISSN 2041-1723, 2013, vol. 4, 2744., WOS
- [1.1] GENDRA, B. Beating noise with abstention in state estimation. In NEW JOURNAL OF PHYSICS, 2012, vol. 14, 105015., WOS
- [1.1] GENDRA, B. - RONCO-BONVEHI, E. - CALSAMIGLIA, J. - MUNOZ-TAPIA, R. - BAGAN, E. Optimal parameter estimation with a fixed rate of abstention. In PHYSICAL REVIEW A. ISSN 1050-2947, 2013, vol. 88, no. 1, 012128., WOS
- [1.1] HAO, Sheng-Bin - YU, Bo. Multiparty Quantum Secret Information Sharing in Enterprise Management Based on Single Qubit with Random Rotation Angle. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2012, vol. 51, no. 6, pp. 1674., WOS
- [1.1] HAPP, C. J. - FREYBERGER, M. Simple adaption of measurements for qudit estimation. In EUROPEAN PHYSICAL JOURNAL D, 2011, vol. 64, no. 2-3, 579., WOS
- [1.1] CHIRIBELLA, Giulio. Optimal networks for quantum metrology: semidefinite programs and product rules. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2012, vol. 14, 125008., WOS
- [1.1] KUMAR, K.S. In EPL, 2011, vol. 93, 20005., WOS

- [1.1] LUO, Ming-Xing - DENG, Yun. Distort one qubit from copying and deleting. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2013, vol. 12, no. 4, pp. 1701., WOS
- [1.1] MULLAN, Michael - KNILL, Emanuel. IMPROVING QUANTUM CLOCKS VIA SEMIDEFINITE PROGRAMMING. In QUANTUM INFORMATION & COMPUTATION. ISSN 1533-7146, 2012, vol. 12, no. 7-8, pp. 553., WOS
- [1.1] SENTIS, G. - CALSAMIGLIA, J. - MUNOZ-TAPIA, R. - BAGAN, E. Quantum learning without quantum memory. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2012, vol. 2, 708., WOS
- [1.1] SEYFARTH, U. - NIKOLOPOULOS, G. M. - ALBER, G. Symmetries and security of a quantum-public-key encryption based on single-qubit rotations. In PHYSICAL REVIEW A. ISSN 1050-2947, 2012, vol. 85, no. 2, 022342., WOS
- [1.1] SIOMAU, Michael. Fidelity estimation between two finite ensembles of unknown pure equatorial qubit states. In PHYSICS LETTERS A, 2011, vol.375, no.38, 3340., WOS
- [1.1] SUBEESH, T. - SUDHIR, Vivishek. Phase properties of operator valued measures in phase space. In JOURNAL OF MODERN OPTICS. ISSN 0950-0340, 2013, vol. 60, no. 6, pp. 503., WOS
- [1.1] TANAKA, Fuyuhiko. Noninformative prior in the quantum statistical model of pure states. In PHYSICAL REVIEW A. ISSN 1050-2947, 2012, vol. 85, no. 6, 062305., WOS
- [1.1] ZILBERBERG, Oded - ROMITO, Alessandro - STARLING, David J. - HOWLAND, Gregory A. - BROADBENT, Curtis J. - HOWELL, John C. - GEFEN, Yuval. Null Values and Quantum State Discrimination. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2013, vol. 110, no. 17, 170405., WOS
- [1.2] FAN, Heng - FAN, Heng - WANG, Yi Nan - JING, Li - YUE, Jie Dong - SHI, Han Duo - ZHANG, Yong Liang - MU, Liang Zhu. Quantum cloning machines and the applications. In Physics Reports. ISSN 03701573, 2014-01-01, 544, 3, pp. 241-322., SCOPUS
- [1.2] ILO-OKEKE, Ebubechukwu O. - ILO-OKEKE, Ebubechukwu O. - BYRNES, Tim. Theory of single-shot phase contrast imaging in spinor bose-einstein condensates. In Physical Review Letters. ISSN 00319007, 2014-06-13, 112, 23, 233602., SCOPUS
- [1.2] KAFTAL, Tomasz - DEMKOWICZ-DOBRZAŃSKI, Rafał. Usefulness of an enhanced Kitaev phase-estimation algorithm in quantum metrology and computation. In Physical Review A Atomic, Molecular, and Optical Physics. ISSN 10502947, 2014-12-05, 90, 6, 062313., SCOPUS
- [1.2] KANG, Guodong - ZHOU, Qingping - FANG, Maofa - ZHANG, Yanliang. Asymmetric "4+2" protocol for quantum key distribution with finite resources. In Quantum Information Processing. ISSN 15700755, 2014-01-01, 13, 1, pp. 5-20., SCOPUS
- [1.2] PYRKOV, Alexey N. - PYRKOV, Alexey N. - BYRNES, Tim. Quantum teleportation of spin coherent states: Beyond continuous variables teleportation. In New Journal of Physics. ISSN 13672630, 2014-01-01, 16, 073038., SCOPUS

ADCA184 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.

Ohlasy:

- [1.1] AKIHIRO SHIBATA- KEI-ICHI KONDO- SEIKOU KATO. Non-Abelian dual superconductivity in SU(3) Yang-Mills theory. In PHYSICAL REVIEW D, 2013, vol. 87, 054011., WOS
- [1.1] CARDACI, Mario Salvatore - CEA, Paolo - COSMAI, Leonardo - FALCONE, Rossella - PAPA, Alessandro. Chromoelectric flux tubes in QCD. In PHYSICAL REVIEW D, 2011, vol.83, no.1, 014502., WOS
- [1.1] CARDOSO, N. - CARDOSO, M. - BICUDO, P. Colour field flux tubes and Casimir scaling for various SU(3) representations. In PHYSICS LETTERS B. ISSN 0370-2693, 2012, vol. 710, no. 2, pp. 343., WOS
- [1.1] CARDOSO, N. - CARDOSO, M. - BICUDO, P. Inside the SU(3) quark-antiquark QCD flux tube: Screening versus quantum widening. In PHYSICAL REVIEW D. ISSN 1550-7998, 2013, vol. 88, no. 5, 054504., WOS
- [1.1] CEA, Paolo - COSMAI, Leonardo - PAPA, Alessandro. Chromoelectric flux tubes and coherence length in QCD. In PHYSICAL REVIEW D. ISSN 1550-7998, 2012, vol. 86, no. 5, 054501., WOS
- [1.1] CEA, Paolo - COSMAI, Leonardo - CUTERI, Francesca - PAPA, Alessandro. Flux tubes in the SU(3) vacuum: London penetration depth and coherence length. In PHYSICAL REVIEW D. ISSN 1550-7998, 2014, vol. 89, no. 9, 094505., WOS
- [1.1] XIONG, Chi. QCD flux tubes and anomaly inflow. In PHYSICAL REVIEW D. ISSN 1550-7998, 2013, vol. 88, no. 2, 025042., WOS
- [1.1] ZIMMERMANN, Falk - FORKEL, Hilmar - MUELLER-PREUSSKER, Michael. Vacuum structure and string tension in Yang-Mills dimeron ensembles. In PHYSICAL REVIEW D. ISSN 1550-7998, 2012, vol. 86, no. 9, 094005., WOS
- [3] CARDACI, M.S. Flux tubes in the SU(3) vacuum. In LATTICE 2011. PROCEEDINGS OF SCIENCE-LATTICE 2011, p. 323.
- [3] CEA, P.- COSMAI, L.- CUTERI, F. Flux tubes and coherence length in the SU(3) vacuum. In LATTICE 2013 (PROCEEDINGS OF SCIENCE-LATTICE 2013, SISSA 2013), p. 468.
- [3] SHIBATA AKIHIRO- KEI-ICHI KONDO- SEIKOU KATO. Non-Abelian dual superconductivity and gluon propagators in the deep IR region for SU(3) Yang-Mills theory. In PROCEEDINGS OF SCIENCE- Confinement X, 2013), p. 052.
- [3] SHIBATA, A. - KONDO, K.-I. - SHINOHARA, T. Dual Messner effect and non-Abelian dual superconductivity in SU(3) Yang-Mills theory. In LATTICE 2011. PROCEEDINGS OF SCIENCE-LATTICE 2011, p. 262.
- [3] SHIBATA, A. - KONDO, K.I.- SEIKOU KATO. Gluon propagators in the deep IR region. In LATTICE 2012 (PROCEEDINGS OF SCIENCE-LATTICE 2012), p. 215.
- [3] YAMAMOTO, A. Lattice QCD anatomy via the energy-momentum component of gluons. In PhD THESIS, KYOTO UNIVERSITY 2011. HEP-LAT/1101.5765.
- [3.1] SHIBATA, Akihiro- KONDO, Kei-Ichi- KATO, Seikou- SHINOHARA, Toru. Non-Abelian dual Meissner effect and confinement/deconfinement phase transition in SU(3) Yang-Mills theory. In

PROCEEDINGS OF SCIENCE LATTICE 2013. SISSA 2014, p. 506.

[3.1] SHIBATA, Akihiro- KONDO, Kei-Ichi- KATO, Seikou- SHINOHARA, Toru. Non-Abelian dual Meissner effect in SU(3) Yang-Mills theory and confinement/deconfinement phase transition at finite temperature. In PROCEEDINGS OF SCIENCE-QCD-TNT-III. SISSA 2014, p. 039.

[3.1] SHIBATA, Akihiro- KONDO, Kei-Ichi- KATO, Seikou- SHINOHARA, Toru. Discriminating between two reformulations of SU(3) Yang-Mills theory on a lattice. In PREPRINT HEP-LAT/ 1412.8009, 2014.

ADCA185 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.

Ohlasy:

[1.1] CARDACI, Mario Salvatore - CEA, Paolo - COSMAI, Leonardo - FALCONE, Rossella - PAPA, Alessandro. Chromoelectric flux tubes in QCD. In PHYSICAL REVIEW D, 2011, vol.83, no.1, 014502., WOS

[1.1] CARDOSO, N. - CARDOSO, M. - BICUDO, P. Colour field flux tubes and Casimir scaling for various SU(3) representations. In PHYSICS LETTERS B. ISSN 0370-2693, 2012, vol. 710, no. 2, pp. 343., WOS

[1.1] CARDOSO, N. - CARDOSO, M. - BICUDO, P. Inside the SU(3) quark-antiquark QCD flux tube: Screening versus quantum widening. In PHYSICAL REVIEW D. ISSN 1550-7998, 2013, vol. 88, no. 5, 054504., WOS

[1.1] CEA, Paolo - COSMAI, Leonardo - PAPA, Alessandro. Chromoelectric flux tubes and coherence length in QCD. In PHYSICAL REVIEW D. ISSN 1550-7998, 2012, vol. 86, no. 5, 054501., WOS

[1.1] CEA, Paolo - COSMAI, Leonardo - CUTERI, Francesca - PAPA, Alessandro. Flux tubes in the SU(3) vacuum: London penetration depth and coherence length. In PHYSICAL REVIEW D. ISSN 1550-7998, 2014, vol. 89, no. 9, 094505., WOS

[1.1] CHI XIONG. QCD flux tubes and anomaly inflow. In PHYSICAL REVIEW D, 2013, vol. 88, 025042., WOS

[1.1] NANDAN, H. - BEZARES-RODER, N. M. - CHANDOLA, H. C. Screening mechanism and multi-vortices in dual QCD vacuum. In INDIAN JOURNAL OF PURE & APPLIED PHYSICS. ISSN 0019-5596, 2014, vol. 52, no. 4, pp. 271-276., WOS

[1.1] SHIBATA, Akihiro - KONDO, Kei-Ichi - KATO, Seikou - SHINOHARA, Toru. Non-Abelian dual superconductivity in SU(3) Yang-Mills theory: Dual Meissner effect and type of the vacuum. In PHYSICAL REVIEW D. ISSN 1550-7998, 2013, vol. 87, no. 5, 054011., WOS

[3] Akihiro Shibata- Kei-Ichi Kondo- Seikou Kato. Gluon propagators in the IR region. In LATTICE 2012 (PROCEEDINGS OF SCIENCE-SISSA 2012), p. 215.

[3] CARDACI, M.S. Flux tubes in the SU(3). In LATTICE 2011. PROCEEDINGS OF SCIENCE-LATTICE 2011, p. 323.

[3] CEA, P.- COSMAI, L.- CUTERI, F. Flux tubes and coherence length in the SU(3) vacuum. In LATTICE 2013 (PROCEEDINGS OF SCIENCE, SISSA 2013), p. 468.

[3] SHIBATA, A. - KONDO, K.-I.- SHINOHARA, T. Dual Meissner effect and non-Abelian dual superconductivity in SU(3) Yang-Mills theory. In LATTICE 2011. PROCEEDINGS OF SCIENCE-LATTICE 2011, p. 262.

- [3] SHIBATA, A.- KEI-ICHI KONDO- SEIKOU KATO. Non-Abelian dual superconductivity and gluon propagators in the deep IR region for SU(3) Yang-Mills theory. In PROCEEDINGS OF SCIENCE- Confinement X, SISSA 2013), p. 052.
- [3.1] Akihiro SHIBATA- KONDO, Kei-Ichi- KATO Seikou- SHINOHARA, Toru. Non-Abelian dual Meissner effect and confinement/deconfinement phase transition in SU(3) Yang-Mills theory. In PROCEEDINGS OF SCIENCE LATTICE 2013, SISSA 2014, p. 506.
- [3.1] Akihiro SHIBATA- KONDO, Kei-Ichi- KATO, Seikou- SHINOHARA, Toru. Non-Abelian dual Meissner effect in SU(3) Yang-Mills theory and confinement/deconfinement phase transition at finite temperature. In PROCEEDINGS OF SCIENCE-QCD-TNT-III, SISSA 2014, p. 039.
- [3.1] Akihiro SHIBATA- KONDO, Kei-Ichi- KATO, Seikou- SHINOHARA, Toru. Discriminating between two reformulations of SU(3) Yang-Mills theory on a lattice. In PREPRINT HEP-LAT/1412.8009, 2014.
- [3.1] SUZUKI, Tsuneo. A new scheme for color confinement due to violation of the non-Abelian Bianchi identities. In PREPRINT HEP-LAT/1402.1294, 2014.

ADCA186 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] KHOMENKO, A. V. Self-organization of adatom adsorption structure at interaction with tip of dynamic force microscope. In CONDENSED MATTER PHYSICS. ISSN 1607-324X, 2014, vol. 17, no. 3, 33401., WOS
- [1.1] RIBAS-ARINO, Jordi - MARX, Dominik. Covalent Mechanochemistry: Theoretical Concepts and Computational Tools with Applications to Molecular Nanomechanics. In CHEMICAL REVIEWS. ISSN 0009-2665, 2012, vol. 112, no. 10, pp. 5412., WOS

ADCA187 DOBEŠ, J. - BĚTÁK, Emil. A statistical derivation of the density of final states for the exciton model. In *Nuclear Physics A*, 1976, vol. 272, p. 353-364. ISSN 0375-9474.

Ohlasy:

- [1.1] TEL, E.- KARA, A. In JOURNAL FUS. ENERGY, 2012, vol. 31, p. 257., WOS
- [1.1] VARLAMOV, V.V.-ISHKHANOV, B.S.-ORLIN, V.N. In PHYSICS OF ATOMIC NUCLEI, 2012, vol. 75, p. 1339., WOS
- [1.2] ISHKHANOV, B.S. - ORLIN, V.N. Combined model of photonucleon reactions. In Physics of Atomic Nuclei, 2011, vol.74, no.1, 19-39., SCOPUS
- [1.2] TEL, E. - EFIL, A. - ULUER, I. - AYDIN, A. - SAHAN, M. Pre-equilibrium emission spectra calculations of $^{232}\text{Th}(n,xn)$ using new evaluated method. In Journal of Fusion Energy, 2011, vol.30, no.5, 421-427., SCOPUS

ADCA188 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] JEREMIAH J.J.-SUCHIANG D.-JYRWA B.M. In ANNALS OF

- NUCLEAR ENERGY, 2013, vol. 56, p. 44., WOS
- [1.1] KAPLAN A. In JOURNAL OF FUSION ENERGY, 2013, vol. 32, p. 382., WOS
- [1.1] KAPLAN A.-OZDOĞAN H.-AYDIN A.-TEL E. In JOURNAL OF FUSION ENERGY, 2013, vol. 32, p. 344., WOS
- [1.1] KAPLAN A.-OZDOĞAN H.-AYDIN A.-TEL E. In JOURNAL OF FUSION ENERGY, 2013, vol. 32, p. 431., WOS
- [1.1] KONING, A.J.- ROCHMAN, D. In NUCLEAR DATA SHEETS, 2014, vol. 117. pp. 2841., WOS
- [1.2] ISHKHANOV, B.S. - TROSHCHIEV, S.Y. Simulation of photodisintegration of heavy nuclei. In Moscow University Physics Bulletin, 2011, vol.66, no.3, p. 219-225., SCOPUS
- [1.2] JOSEPH JEREMIAH, J. - SUCHIANG, D. - JYRWA, B.M. Excitation functions and isotopic effects in (n,p) reactions for stable iron isotopes from reaction threshold to 20 MeV. In Annals of Nuclear Energy, 2012, 43, pp. 208-212., SCOPUS
- [1.2] KAPLAN, A. - ÖZDOĞAN, H. - AYDIN, A. - TEL, E. Photo-neutron cross-section calculations of $^{142,143,144,145,146,150}\text{Nd}$ rare-earth isotopes for (γ , n) reaction. In Physics of Atomic Nuclei. ISSN 10637788, 2014-01-01, 77, 11, pp. 1371-1377., SCOPUS
- [1.2] KONING, A.J. - ROCHMAN, D. Modern Nuclear Data Evaluation with the TALYS Code System. In Nuclear Data Sheets, 2012, 113, 12, pp. 2927-2934., SCOPUS
- [1.2] PANDEY, Bhawna - AGRAWAL, H. M. - PEPELNIK, R. Neutron activation cross-sections for ytterbium isotopes at $(14.6 \pm 0.3)\text{meV}$. In Applied Radiation and Isotopes. ISSN 09698043, 2014-02-01, 85, pp. 128-132., SCOPUS
- [1.2] PANDEY, Hem Chandra - PANDEY, Bhawna - AGRAWAL, H. M. Pre-equilibrium effects on (n,p) reactions of Gd and Dy isotopes from threshold to 20 MeV. In Annals of Nuclear Energy. ISSN 03064549, 2014-01-01, 64, pp. 8-10., SCOPUS
- [1.2] VOGT, R. - RANDRUP, J. - BROWN, D.A. - DESCALLE, M.A. - ORMAND, W.E. Event-by-event evaluation of the prompt fission neutron spectrum from $^{239}\text{Pu}(n,f)$. In Physical Review C Nuclear Physics, 2012, 85, 2, 024608., SCOPUS

ADCA189 DÓZSA, L. - LÁNYI, Štefan - RAINERI, V. - GIANNAZZO, F. - GALKIN, N.G. Microscopic study of electrical properties of CrSi_2 nanocrystals in silicon. In *Nanoscale Research Letters*, 2011, vol. 6, no. 1, 209. ISSN 1556-276X.

Ohlasy:

- [1.1] GALKIN, N. G. - CHUSOVITIN, E. A. - GALKIN, K. N. - GOROSHKO, D. L. - SHAMIRSAEV, T. S. - LENG, J - BARCOHEN, Y - LEE - LU, J. Approach to a creation of silicon silicide smart materials for silicon based thermoelectronics and photonics. In THIRD INTERNATIONAL CONFERENCE ON SMART MATERIALS AND NANOTECHNOLOGY IN ENGINEERING. ISSN 0277-786X, 2012, vol. 8409, no. 84091W., WOS

ADCA190 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. ISSN 1556-276X.

Ohlasy:

[1.1] ZHANG, Bosheng - ADAMS, Daniel E. - SEABERG, Matthew D. - GARDNER, Dennis F. - SHANBLATT, Elisabeth R. - KAPTEYN, Henry - MURNANE, Margaret - CAIN, JP - SANCHEZ, MI. Quantitative tabletop coherent diffraction imaging microscope for EUV lithography mask inspection. In PROCEEDINGS OF SPIE, 2014, vol. 9050, 90501D., WOS

ADCA191 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. (0.810 - IF1999). (2000 - Current Contents). ISSN 0167-9317.

Ohlasy:

[1.1] GU, Ja Myung - THADESAR, Paragkumar A. - DEMBLA, Ashish - BAKIR, Muhannad S. - MAY, Gary S. - HONG, Sang Jeon. Endpoint Detection in Low Open Area TSV Fabrication Using Optical Emission Spectroscopy. In IEEE TRANSACTIONS ON COMPONENTS PACKAGING AND MANUFACTURING TECHNOLOGY. ISSN 2156-3950, 2014, vol. 4, no. 7, pp. 1251-1260., WOS

[1.1] LEOPOLD, S. - MUELLER, L. - KREMIN, C. - HOFFMANN, M. Online monitoring of the passivation breakthrough during deep reactive ion etching of silicon using optical plasma emission spectroscopy. In JOURNAL OF MICROMECHANICS AND MICROENGINEERING. ISSN 0960-1317, 2013, vol. 23, no. 7, 074001., WOS

[1.1] LI, Juntao - LIU, Bo - SONG, Zhitang - FENG, Gaoming - WU, Guanping - HE, Aodong - YANG, Zuoya - ZHU, Nanfei - XU, Jia - REN, Jiadong - FENG, Songlin - GAN, F - SONG, Z. Optical Emission Spectroscopy Analysis for Ge₂Sb₂Te₅ Etching Endpoint Detection in HBr/He Plasma. In 2012 INTERNATIONAL WORKSHOP ON INFORMATION STORAGE AND NINTH INTERNATIONAL SYMPOSIUM ON OPTICAL STORAGE. ISSN 0277-786X, 2013, vol. 8782, UNSP 87820L., WOS

ADCA192 DRESCHER, M. - ŠIFFALOVIČ, Peter - SPIEWECK, A. - HEINZMANN, U. Applicability of monochromatized high harmonic extended ultraviolet radiation for inner-shell photoelectron spectroscopy. In *Journal of Electron Spectroscopy and Related Phenomena*, 2002, vol. 127, no. 1-2, p. 103-108. ISSN 0368-2048.

Ohlasy:

[1.1] WERNET, Philippe - GAUDIN, Jerome - GODEHUSEN, Kai - SCHWARZKOPF, Olaf - EBERHARDT, Wolfgang. Femtosecond time-resolved photoelectron spectroscopy with a vacuum-ultraviolet photon source based on laser high-order harmonic generation. In REVIEW OF SCIENTIFIC INSTRUMENTS, 2011, vol.82, no.6., WOS

ADCA193 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] SEN, Biswajit - MANDAL, Swapan - PERINA, Jan. Squeezing and photon antibunching in second harmonic generation: an analytical approach. In

- ADCA194 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.

Ohlasy:

[1.1] LI, Sheng-Chang - FU, Li-Bin - LIU, Jie. Virtual monopoles in a bosonic atom-diatomic-molecule system. In *PHYSICAL REVIEW A*. ISSN 1050-2947, 2014, vol. 89, no. 2, 023628., WOS

[1.1] SEN, Biswajit - MANDAL, Swapan - PERINA, Jan. Squeezing and photon antibunching in second harmonic generation: an analytical approach. In *JOURNAL OF MODERN OPTICS*. ISSN 0950-0340, 2012, vol. 59, no. 6, pp. 555., WOS

- ADCA195 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.

Ohlasy:

[1.2] KLIMOV, A.B. - DINANI, H.T. - MEDENDORP, Z.E.D. - DE GUISE, H. Qutrit squeezing via semiclassical evolution. In *New Journal of Physics*, 2011, vol.13, 1113033., SCOPUS

- ADCA196 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] STRAUCH, Frederick W. - ONYANGO, Douglas - JACOBS, Kurt - SIMMONDS, Raymond W. Entangled-state synthesis for superconducting resonators. In *PHYSICAL REVIEW A*. ISSN 1050-2947, 2012, vol. 85, no. 2, 022335., WOS

- ADCA197 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. (1.475 - IF1999). ISSN 0950-0340.

Ohlasy:

[1.1] BARAGIOLA, Ben Q. - COOK, Robert L. - BRANCZYK, Agata M. - COMBES, Joshua. N-photon wave packets interacting with an arbitrary quantum system. In *PHYSICAL REVIEW A*. ISSN 1050-2947, 2012, vol. 86, no. 1, 013811., WOS

[1.1] ELYUTIN, P. V. Interaction of a single-photon wave packet with an excited atom. In *PHYSICAL REVIEW A*. ISSN 1050-2947, 2012, vol. 85, no. 3, 033816., WOS

[1.1] CHUMAK, O. O. - STOLYAROV, E. V. Phase-space distribution functions for photon propagation in waveguides coupled to a qubit. In *PHYSICAL REVIEW A*. ISSN 1050-2947, 2013, vol. 88, no. 1, 013855., WOS

- ADCA198 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. (3.453 - IF2010). (2011 - Current Contents). ISSN 1463-9076.

Ohlasy:

[1.1] DUARTE, Luis - FAUSTO, Rui - REVA, Igor. Structural and spectroscopic characterization of E- and Z-isomers of azobenzene. In *PHYSICAL CHEMISTRY CHEMICAL PHYSICS*. ISSN 1463-9076, 2014, vol. 16, no. 32, pp. 16919-16930., WOS

[1.1] HAGHDANI, Shokouh - DAVARI, Nazanin - SANDNES, Runar - ASTRAND, Per-Olof. Complex Frequency-Dependent Polarizability through the $p \rightarrow \pi^*$ Excitation Energy of Azobenzene Molecules by a Combined Charge-Transfer and Point-Dipole Interaction Model. In *JOURNAL OF PHYSICAL CHEMISTRY A*. ISSN 1089-5639, 2014, vol. 118, no. 47, pp. 11282-11292., WOS

[1.1] HARABUCHI, Yu - ISHII, Moe - NAKAYAMA, Akira - NORO, Takeshi - TAKETSUGU, Tetsuya. A multireference perturbation study of the NN stretching frequency of trans-azobenzene in $n \rightarrow \pi^*$ excitation and an implication for the photoisomerization mechanism. In *JOURNAL OF CHEMICAL PHYSICS*. ISSN 0021-9606, 2013, vol. 138, no. 6, 064305., WOS

[1.1] VALSSON, Omar - CAMPOMANES, Pablo - TAVERNELLI, Ivano - ROTHLIBERGER, Ursula - FILIPPI, Claudia. Rhodopsin Absorption from First Principles: Bypassing Common Pitfalls. In *JOURNAL OF CHEMICAL THEORY AND COMPUTATION*. ISSN 1549-9618, 2013, vol. 9, no. 5, pp. 2441., WOS

ADCA199 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. (3.093 - IF2009). (2010 - Current Contents). ISSN 0021-9606.

Ohlasy:

[1.1] AUSTIN, Brian M. - ZUBAREV, Dmitry Yu. - LESTER, William A. Quantum Monte Carlo and Related Approaches. In *CHEMICAL REVIEWS*, 2012, vol.112, no.1, p. 263-288., WOS

[1.1] FRACCHIA, Francesco - FILIPPI, Claudia - AMOVILLI, Claudio. Multi-level Quantum Monte Carlo Wave Functions for Complex Reactions: The Decomposition of alpha-Hydroxy-Dimethylnitrosamine. In *JOURNAL OF COMPUTATIONAL CHEMISTRY*. ISSN 0192-8651, 2014, vol. 35, no. 1, pp. 30-38., WOS

[1.1] FRACCHIA, F. - AMOVILLI, C. On the accuracy of pseudopotentials designed for QMC calculations on molecules of the first row atoms. In *CHEMICAL PHYSICS LETTERS*, 2012, vol.521,p. 20-25., WOS

[1.1] HARABUCHI, Yu - ISHII, Moe - NAKAYAMA, Akira - NORO, Takeshi - TAKETSUGU, Tetsuya. A multireference perturbation study of the NN stretching frequency of trans-azobenzene in $n \rightarrow \pi^*$ excitation and an implication for the photoisomerization mechanism. In *JOURNAL OF CHEMICAL PHYSICS*. ISSN 0021-9606, 2013, vol. 138, no. 6, 064305., WOS

[1.1] ZUBAREV, Dmitry Yu. - AUSTIN, Brian M. - LESTER, William A. Quantum Monte Carlo for the x-ray absorption spectrum of pyrrole at the nitrogen K-edge. In *JOURNAL OF CHEMICAL PHYSICS*, 2012, vol.136, no.14, 144301., WOS

ADCA200 DUBECKÝ, Matúš - JUREČKA, P. - DERIAN, René - HOBZA, P. - OTYEPKA, 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. (5.389 - IF2012). (2013 - Current Contents). ISSN 1549-9618.

Ohlasy:

[1.1] GANESH, P. - KIM, Jeongnim - PARK, Changwon - YOON, Mina - REBOREDO, Fernando A. - KENT, Paul R. C. Binding and Diffusion of Lithium in Graphite: Quantum Monte Carlo Benchmarks and Validation of van der Waals Density Functional Methods. In JOURNAL OF CHEMICAL THEORY AND COMPUTATION. ISSN 1549-9618, 2014, vol. 10, no. 12, pp. 5318-5323., WOS

[1.1] NEUSCAMMAN, Eric. Communication: A Jastrow factor coupled cluster theory for weak and strong electron correlation. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2013, vol. 139, no. 18, 181101., WOS

ADCA201 DUBNIČKA, Stanislav. Analysis of nucleon form-factor data reveals the $e+a\text{-}jnn\bar{b}$ cross- section to be remarkably larger than the $e+e\text{-}jpp\bar{b}$ one. In *Nuovo Cimento A*, 1988, vol. 100, no. 1, p. 1-24. ISSN 0369-3546.

Ohlasy:

[1.1] BALDINI, F.R.-PACETTI, S.-ZALLO, A. time-like Baryon form factors near threshold. In NUCLEAR PHYSICS B-PROCEEDINGS SUPPL, 2011, VOL. 219, P. 32-38., WOS

[1.1] FERROLI R.BALDINI-PACETTI, S.-ZALLO, A. : No sommerfeld resummation factor. In EUROPEAN PHYSICAL JOURNAL, 2012, vol. 48, no. 3, 33. A, WOS

[1.1] HE, L.P.- WANG, X.- LIU, X. In PHYSICAL REVIEW D, 2013, vol. 88, no. 3, 034008., WOS

[1.1] KISWANDHI, A.-YANG SHIN NAN: Analysis of the near-threshold peak structure in differential cross section of ϕ -meson photoproduction. In PHYSICAL REVIEW C, 2012, VOL. 86, 015203., WOS

ADCA202 DUBNIČKA, Stanislav. Comment on the prediction of the $E+e\text{-}jnn\bar{b}$ cross-section to be remarkably larger than the $E+e\text{-}jpp\bar{b}$. In *Nuovo Cimento della Societa Italiana di Fisica A- Nuclei Particles and Fields*, 1990, vol. 103, no. 10, pp. 1417-1426. ISSN 1124-1861.

Ohlasy:

[1.1] CHERNICHENKO, Yu. D. Form factor of a relativistic two-particle system within the relativistic quasipotential approach: Case of an arbitrary masses and a scalar current. In PHYSICS OF ATOMIC NUCLEI. ISSN 1063-7788, 2014, vol. 77, no. 2, pp. 229-242., WOS

ADCA203 DUBNIČKA, Stanislav - DUBNIČKOVÁ, Anna Zuzana - WEISENPACHER, Peter. Nucleon electromagnetic structure revisited. In *Journal of Physics G: Nuclear and particle physics*, 2003, vol. 29, p. 405-429. ISSN 0954-3899.

Ohlasy:

[1.1] MASJUAN, Pere - RUIZ ARRIOLA, Enrique - BRONIOWSKI, Wojciech. Meson dominance of hadron form factors and large-N-c

phenomenology. In PHYSICAL REVIEW D. ISSN 1550-7998, 2013, vol. 87, no. 1, 014005., WOS

- ADCA204 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) -- $\gamma + J/\psi$ in a relativistic constituent quark model with infrared confinement. In *Physical Review D*, 2011, vol. 84, nO. 1, 014006. (4.964 - IF2010). (2011 - Current Contents). ISSN 1550-7998.

Ohlasy:

- [1.1] ACETI, F. X(3872)-> J/ψ gamma decay. In PHYSICAL REVIEW D, 2012, vol. 86, 113007., WOS
- [1.1] DONG, Y. et al. In JOURNAL OF PHYSICS G, 2013, vol. 40, 015002., WOS
- [1.1] DONG, Y. et al. In PHYSICAL REVIEW D, 2013, vol. 88, 014030., WOS
- [1.1] DONG, Y. et al. Radiative decay Y(4260). In PHYSICAL REVIEW D, 2014, vol. 90, no. 7, 074032., WOS
- [1.1] KE, H.-W.-LI, X.-Q. What the radiative decays of X(3872) tell us. In PHYSICAL REVIEW D, 2011, VOL. 84, NO. 11, 114026., WOS
- [1.1] MARTINEZ TORRES, A. et al. X(3872) production in high energy heavy ion collisions. In PHYSICAL REVIEW D, 2014, vol. 90, no. 11, 114023., WOS
- [1.1] TAKIZAWA, M.-TAKEUCHI, S. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS, 2013, no. 9, 093D01., WOS
- [1.1] YANG, Yi-Bo et al. In PHYSICAL REVIEW D, 2013, vol. 87, 014501., WOS

- ADCA205 DUBNIČKA, Stanislav - DUBNIČKOVÁ, A.Z. - LIPTAJ, Andrej. Pseudoscalar meson transition form factors. In *Progress in Particle and Nuclear Physics*, 2012, vol. 67, p. 418-423. (2.614 - IF2011). (2012 - Current Contents). ISSN 0146-6410.

Ohlasy:

- [1.1] KLOPOT, Yaroslav - OGANESIAN, Armen - TERYAEV, Oleg. Transition form factors and mixing of pseudoscalar mesons from anomaly sum rule. In PHYSICAL REVIEW D. ISSN 1550-7998, 2013, vol. 87, no. 3, 036013., WOS

- ADCA206 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. (4.922 - IF2009). (2010 - Current Contents). ISSN 1550-7998.

Ohlasy:

- [1.1] COITO, Susana - RUPP, George - VAN BEVEREN, Eef. Delicate interplay between the (DD)-D-0*(0), $\rho(0)J/\psi$, and $\omega J/\psi$ channels in the X(3872) resonance. In EUROPEAN PHYSICAL JOURNAL C, 2011, vol. 71, no. 10, 1762., WOS
- [1.1] DONG, Yubing - FAESSLER, Amand - GUTSCHE, Thomas - LYUBOVITSKIJ, Valery E. Strong decays of molecular states $Z(c)(+)$ and $Z(c)'\text{'}$. In PHYSICAL REVIEW D. ISSN 1550-7998, 2013, vol. 88, no.

1, 014030., WOS

[1.1] DONG, Yubing - FAESSLER, Amand - GUTSCHE, Thomas - LYUBOVITSKIJ, Valery E. Decays of $Z(b)(+)$ and $Z(b)'\text{'}$ as hadronic molecules. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2013, vol. 40, no. 1, 015002., WOS

[1.1] DONG, Yubing - FAESSLER, Amand - GUTSCHE, Thomas - LYUBOVITSKIJ, Valery E. Selected strong decay modes of $Y(4260)$. In PHYSICAL REVIEW D. ISSN 1550-7998, 2014, vol. 89, no. 3, 034018., WOS

[1.1] GUTSCHE, Thomas - KESENHEIMER, Matthias - LYUBOVITSKIJ, Valery E. Radiative and dilepton decays of the hadronic molecule $Z(c)(+)$ (3900). In PHYSICAL REVIEW D. ISSN 1550-7998, 2014, vol. 90, no. 9, 094013., WOS

[1.1] CHEN, Wei - JIN, Hong-ying - KLEIV, R. T. - STEELE, T. G. - WANG, Meng - XU, Qing. QCD sum-rule interpretation of $X(3872)$ with $J(PC)=1(++)$ mixtures of hybrid charmonium and $(D)\overline{D}^*$ molecular currents. In PHYSICAL REVIEW D. ISSN 1550-7998, 2013, vol. 88, no. 4, 045027., WOS

[1.1] KE, Hong-Wei - LI, Xue-Qian. What the radiative decays of $X(3872)$ tell us. In PHYSICAL REVIEW D, 2011, vol.84, no.11, 114026., WOS

[1.1] KLEIV, R. T. - STEELE, T. G. - ZHANG, Ailin - BLOKLAND, Ian. Heavy-light diquark masses from QCD sum rules and constituent diquark models of tetraquarks. In PHYSICAL REVIEW D. ISSN 1550-7998, 2013, vol. 87, no. 12, 125018., WOS

[1.1] TAKEUCHI, Sachiko - SHIMIZU, Kiyotaka - TAKIZAWA, Makoto. On the origin of the narrow peak and the isospin symmetry breaking of the $X(3872)$. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS. ISSN 2050-3911, 2014, no. 12, 123D01., WOS

[1.1] TAKIZAWA, Makoto - TAKEUCHI, Sachiko. $X(3872)$ as a hybrid state of charmonium and the hadronic molecule. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS. ISSN 2050-3911, 2013, no. 9, 093D01., WOS

[1.1] VIJANDE, J. - VALCARCE, A. - RICHARD, J.M. Adiabaticity and color mixing in tetraquark spectroscopy. In PHYSICAL REVIEW D. ISSN 1550-7998, 2013, vol. 87, no. 3, 034040., WOS

[1.1] YANG, Yi-Bo - CHEN, Ying - GUI, Long-Cheng - LIU, Chuan - LIU, Yu-Bin - LIU, Zhaofeng - MA, Jian-Ping - ZHANG, Jian-Bo. Lattice study on $\eta(c2)$ and $X(3872)$. In PHYSICAL REVIEW D. ISSN 1550-7998, 2013, vol. 87, no. 1, 014501., WOS

ADCA207 DUBNIČKOVÁ, A.Z. - DUBNIČKA, Stanislav - REKALO, M.P.

Investigation of nucleon electromagnetic form factors in the unphysical region by means of the $(N)\overline{N}-\pi^1(+)(-)$ reactions. In *Zeitschrift fur Physik C*, 1996, vol. 70, no. 3, p. 473-481. ISSN 1431-5858.

Ohlasy:

[1.1] ADAMUSCIN, C. Testing electromagnetic proton form factors in the annihilation process. In NUCLEAR PHYSICS B- PROCEEDINGS SUPPL, 2011, VOL. 219, P. 158-161., WOS

[1.1] GAKH, G.I. General analysis and numerical estimations. In PHYSICAL REVIEW C, 2012, vol. 86, no. 2, 025204., WOS

[1.1] GUTTMANN, J.-VANDERHAEGHEN, M. In PHYSICS LETTERS

B, 2013, vol. 719, p. 136-142., WOS

[1.1] KURAEV, E.A. Annihilation of $(p)\overline{p}$. In JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS, 2012, vol. 115, p. 93-104., WOS

ADCA208 DUBNIČKOVÁ, A.Z. - DUBNIČKA, Stanislav - REKALO, M.P.

Investigation of the baryon electromagnetic structure by polarization effect in $e^{+}e^{-}B(B)\overline{B}$ processes. In *Nuovo Cimento della Societa Italiana di Fisica A*, 1996, vol. 109, no. 3, p. 241-156. ISSN 0369-3546.

Ohlasy:

[1.1] ADAMUSCIN, C. TESTING ELECTROMAGNETIC PROTON FORM FACTORS IN THE ANNIHILATION PROCESS. In NUCLEAR PHYSICS B-PROCEEDINGS SUPPL, 2011, VOL. 219, P. 158-161., WOS

[1.1] ARBUZOV, A.B. EXACT RESULTS IN QED. In PHYSICS OF PARTICLES AND NUCLEI, 2011, VOL. 42, NO. 1, P. 1-54., WOS

[1.1] BALDINI, F.R.-PACETTI, S.-ZALLO, A. Time-like Baryon factors near threshold status and perspectives. In NUCLEAR PHYSICS B-PROCEEDINGS SUPPL, 2011, VOL. 219, P. 32-38., WOS

[1.1] BEVAN, A.J. et al. The physics of the B factories. In EUROPEAN PHYSICAL JOURNAL C, 2014, vol. 74, no. 11, pp. 1-898., WOS

[1.1] DENIG, A.- SALME, G. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS, 2013, vol. 68, p. 113-157., WOS

[1.1] DRUZHININ, V.P. Hadron production via $e^{+}e^{-}$ collisions with initial state radiation. In REVIEW OF MODERN PHYSICS, 2011, VOL. 83, NO. 4, 1545., WOS

[1.1] FERROLI, R. Baldini - PACETTI, S. - ZALLO, A. No Sommerfeld resummation factor in $e^{+}e^{-} \rightarrow p(p)\overline{p}$? In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2012, vol. 48, no. 3., WOS

[1.1] KURAEV, E.A.-BYSTRITSKIY, Yu.M.-TOMASI-GUSTAFSSON, E. In NUCLEAR PHYSICS A, 2013, vol. 920, p. 45-57., WOS

ADCA209 DUBNIČKOVÁ, A.Z. - DUBNIČKA, Stanislav - ERDELYI, M. Predictions of polarization observables in $e^{+}e^{-}p\overline{p}$ by eight- and ten-resonance U and A models. In *Progress in Particle and Nuclear Physics*, 2008, vol. 61, no. 1, p. 162-167. ISSN 0146-6410.

Ohlasy:

[1.1] ADAMUSCIN, C. Testing electromagnetic proton form factors in the annihilation process. In NUCLEAR PHYSICS B- PROCEEDINGS SUPPL, 2011, VOL. 219, P. 158-161., WOS

[1.1] HAIDENBAUER, J.- KANG, X.W.- MEISSNER, U.G. The electromagnetic form factors of the proton in the timelike region. In NUCLEAR PHYSICS A, 2014, vol. 929, pp. 102-118., WOS

ADCA210 DUBNIČKOVÁ, A.Z. - DUBNIČKA, Stanislav - PANCHERI, G. - PEKÁRIK, Roman. Pseudoscalar meson transition form factors. In *Nuclear Physics B (Proc. Suppl.)*, 2004, vol. 126, p. 71-75.

Ohlasy:

[1.1] LICHARD, Peter. Vector meson dominance and the $\pi(0)$ transition form factor. In PHYSICAL REVIEW D, 2011, vol. 83, no. 3., WOS

ADCA211 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*, 2011, vol. 628, no. 1, p. 166-171. (1.142 - IF2010). (2011 - Current Contents). ISSN 0168-9002.

Ohlasy:

[1.1] ALEXOPOULOS, T. - CERUTTI, F. - CHARITONIDIS, N. - GAZIS, E. - KOKKORIS, M. - SKORDIS, E. - TSINGANIS, A. - TSIPOLITIS, G. - VLASTOU, R. Experimental study and FLUKA simulations of a prototype micromegas chamber in a mixed neutron and photon radiation field. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, 2012, vol. 677, pp. 52-60., WOS

[1.1] ALEXOPOULOS, T. - IAKOVIDIS, G. - LEONTSINIS, S. - NTEKAS, K. - POLYCHRONAKOS, V. Examining the geometric mean method for the extraction of spatial resolution. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, 2014, vol. 9, PO1003., WOS

ADCA212 DUHAJ, Pavol - ŠVEC, Peter. Formation of metastable phases from amorphous state. In *Materials Science and Engineering A*, 1997, vol. 226, p. 254-254. (0.852 - IF1996). (1997 - Current Contents, WOS, SCOPUS). ISSN 0921-5093.

Ohlasy:

[1.1] GORRIA, Pedro - FERNANDEZ-MARTINEZ, Alejandro - SANTOS, J. D. - PEREZ, Maria J. - CUELLO, Gabriel J. - VELASCO, JH - GARCIA, CC - CASTELLOTE, M - HERVIAS. Investigating the crystallization process in a FeCrB metallic glass by combining magnetic and neutron thermo-diffraction experiments. In JOURNAL OF PHYSICS CONFERENCE SERIES, 2014, vol. 549, 012018., WOS

[1.1] CHEN ZHENG - YANG YANAN - CHEN QIANG - XU JUNFENG - TANG YUEYUE - LIU FENG. RECALESCENCE EFFECT SIMULATION AND MICROSTRUCTURE EVOLUTION OF UNDERCOOLED Fe₈₂B₁₇Si₁ ALLOY. In ACTA METALLURGICA SINICA. ISSN 0412-1961, 2014, vol. 50, no. 7, pp. 795-801., WOS

ADCA213 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.

Ohlasy:

[1.1] WILLARD, Matthew A. - DANIIL, Maria - BUSCHOW, KHJ. NANOCRYSTALLINE SOFT MAGNETIC ALLOYS TWO DECADES OF PROGRESS. In HANDBOOK OF MAGNETIC MATERIALS, VOL 21. ISSN 1567-2719, 2013, vol. 21, pp. 173-342., WOS

ADCA214 DUHAJ, Pavol - MAŤKO, Igor - ŠVEC, Peter - JANIČKOVIČ, Dušan. Structural characterization of the finement type alloys. In *Journal of Non-Crystalline*

Solids, 1995, vol. 192-193, p. 561-564. (1.070 - IF1994). (1995 - Current Contents). ISSN 0022-3093.

Ohlasy:

[1.1] WILLARD, M.A. In HANDBOOK OF MAGNETIC MATERIALS. Edited by K.H.J. Buschow. 2013, vol. 21, p. 173-342., WOS

ADCA215 DUHAJ, Pavol - ŠVEC, Peter - JANIČKOVIČ, Dušan - MAŤKO, Igor - HLÁŠNIK, M. Structure and magnetic-properties of the finement alloy. In *Materials Science and Engineering B - Solid-State Materials for Advanced Technology*, 1992, vol. 14, no. 4, p. 357-364. (0.620 - IF1991). (1992 - Current Contents). ISSN 0921-5107.

Ohlasy:

[1.1] GONG, J. mAGNETISM OF MONOLITHIC AND PARTIALLY CRYSTALLIZED AMORPHOUS AL-NI-Y ALLOYS. In ACTA METALLURGICA SINICA, 2011, VOL. 47, P. 333., WOS

ADCA216 DUHAJ, Pavol - ŠVEC, Peter - JANIČKOVIČ, Dušan - MAŤKO, Igor. The study of phase transformations in nanocrystalline materials. In *Materials Science and Engineering A - Structural Materials Properties Microstructure and Processing*, 1991, vol. 133, p. 398-402. (1991 - Current Contents, SCOPUS). ISSN 0921-5093.

Ohlasy:

[1.1] WILLARD, M.A. - DANIIL, M. - BUSCHOW, KHJ. NANOCRYSTALLINE SOFT MAGNETIC ALLOYS TWO DECADES OF PROGRESS. In HANDBOOK OF MAGNETIC MATERIALS, VOL 21. ISSN 1567-2719, 2013, vol. 21, pp. 173., WOS

ADCA217 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.

Ohlasy:

[1.1] IMAMURA, Daisuke - TODAKA, Takashi - ENOKIZONO, Masato. Fe-Mn-Si/6.5wt%Si-Fe Bilayer Ribbons Produced by Using the Melt-Spinning Technique. In IEEE TRANSACTIONS ON MAGNETICS, 2011, vol.47, no.10, 3184., WOS

[1.1] IMAMURA, Daisuke - TODAKA, Takashi - ENOKIZONO, Masato - MAMALIS, AG - KLADAS, A - ENOKIZONO, M. Fe-Mn-Si/6.5wt%Si-Fe Bilayer Ribbons produced by using Melt Spinning Technique. In APPLIED ELECTROMAGNETIC ENGINEERING FOR MAGNETIC, SUPERCONDUCTING AND NANO MATERIALS. ISSN 0255-5476, 2012, vol. 721, pp. 53-58., WOS

[1.1] SAKOH, Nobuhiro - TODAKA, Takashi - ENOKIZONO, Masato. Magnetic Properties of Bilayer Ferromagnetic Shape Memory Ribbons. In IEEE TRANSACTIONS ON MAGNETICS. ISSN 0018-9464, 2014, vol. 50, no. 4, 2501304., WOS

ADCA218 DURNÝ, R. - PINČÍK, Emil - NÁDAŽDY, Vojtech - JERGEL, Matej - SHIMIZU, J. - KUMEDA, M - SHIMIZU, T. Very thin insulating layer formed by low-energy Ar-beam bombardment. In *Applied Physics Letters*, 2000, vol. 77, no.

12, p. 1783-1785. (4.184 - IF1999). (2000 - Current Contents, SCOPUS). ISSN 0003-6951.

Ohlasy:

[1.1] DEMAUREX, Benedicte - DE WOLF, Stefaan - DESCOEUDRES, Antoine - HOLMAN, Zachary Charles - BALLIF, Christophe. Damage at hydrogenated amorphous/crystalline silicon interfaces by indium tin oxide overlayer sputtering. In *APPLIED PHYSICS LETTERS*. ISSN 0003-6951, 2012, vol. 101, no. 17, 171604., WOS

ADCA219 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.

Ohlasy:

[1.1] CHEN, Libing - LIU, Yuhua - LU, Hong. PROGRAMMABLE AND CONTROLLED REMOTE UNAMBIGUOUS QUANTUM-STATE DISCRIMINATION BASED ON NONLOCAL SYSTEM-ANCILLA CONDITIONAL ROTATION. In *INTERNATIONAL JOURNAL OF MODERN PHYSICS B*, 2011, vol.25, no.22, 2991., WOS

[1.1] CHEN, Libing - LU, Hong. A Simplified Quantum Logic Network for Unambiguous Discrimination of Two Nonlocal and Unknown Pure Qubit States. In *INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS*, 2011, vol.50, no.2, 548., WOS

[1.1] SENTIS, G. - BAGAN, E. - CALSAMIGLIA, J. - MUNOZ-TAPIA, R. Programmable discrimination with an error margin. In *PHYSICAL REVIEW A*. ISSN 1050-2947, 2013, vol. 88, no. 5, 052304., WOS

[1.1] SENTIS, G. - CALSAMIGLIA, J. - MUNOZ-TAPIA, R. - BAGAN, E. Quantum learning without quantum memory. In *SCIENTIFIC REPORTS*. ISSN 2045-2322, 2012, vol. 2, 708., WOS

[1.1] ZHOU, Tao - CUI, Jing Xin - WU, Xiaohua - LONG, Gui Lu. MULTICOPY PROGRAMMABLE DISCRIMINATORS BETWEEN TWO UNKNOWN QUBIT STATES WITH GROUP-THEORETIC APPROACH. In *QUANTUM INFORMATION & COMPUTATION*. ISSN 1533-7146, 2012, vol. 12, no. 11-12, pp. 1017., WOS

[1.1] ZHOU, Tao. Success probabilities for universal unambiguous discriminators between unknown pure states. In *PHYSICAL REVIEW A*. ISSN 1050-2947, 2014, vol. 89, no. 1, 014301., WOS

[1.1] ZHOU, Tao. Unambiguous discrimination between two unknown qudit states. In *QUANTUM INFORMATION PROCESSING*. ISSN 1570-0755, 2012, vol. 11, no. 6, pp. 1669., WOS

ADCA220 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] BAO LING-DONG - HAN JING-HUA - DUAN TAO - SUN NIAN-CHUN - GAO XIANG - FENG GUO-YING - YANG LI-MING - NIU RUI-HUA - LIU QUAN-XI. Investigation of thermodynamic progress of silicon ablated by nanosecond uv repetitive pulse laser. In *ACTA PHYSICA SINICA*. ISSN 1000-3290, 2012, vol. 61, no. 19, 197901., WOS

[1.1] LIU, G. L. - HUANG, Z. R. - WU, J. H. - LIU, X. J. Surface morphology evolution and properties of silicon coating on silicon carbide ceramics by advanced plasma source ion plating. In SURFACE & COATINGS TECHNOLOGY. ISSN 0257-8972, 2012, vol. 207, pp. 204-210., WOS

[1.1] WANG SHAO-PENG - FENG GUO-YING - DUAN TAO - HAN JING-HUA. The Deposition of Elements in the Process of Laser Ablation of Silicon. In SPECTROSCOPY AND SPECTRAL ANALYSIS. ISSN 1000-0593, 2013, vol. 33, no. 2, pp. 527-530., WOS

ADCA221 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 ^{180}Tl . In *Physical Review C*, 2013, vol. 88, 044321. (3.715 - IF2012). (2013 - Current Contents, WOS, SCOPUS). ISSN 0556-2813.

Ohlasy:

[1.1] McDONNELL, J.D. et al. In PHYSICAL REVIEW C, 2014, vol. 90, 021302., WOS

ADCA222 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, 034307. (3.416 - IF2010). (2011 - Current Contents). ISSN 0556-2813.

Ohlasy:

[1.1] BHAAT, G.H. Traxial projected shell model study. In PHYSICAL REVIEW C, 2012, vol. 86, 047307., WOS

[1.1] GARCIA-RAMOS, J. E. - HEYDE, K. Nuclear shape coexistence: A study of the even-even Hg isotopes using the interacting boson model with configuration mixing. In PHYSICAL REVIEW C. ISSN 0556-2813, 2014, vol. 89, no. 1, 014306., WOS

[1.1] NOMURA, K. In PHYSICAL REVIEW C, 2013, vol. 87, no. 6, 064313., WOS

[1.1] QIAN, Y.-REN, Z. Shape probe of Hg. In JOURNAL OF PHYSICS G, 2012, vol. 39, no. 11, 115106., WOS

[1.1] YAO, J.M. In PHYSICAL REVIEW C, 2013, vol. 87, no. 3, 034322., WOS

ADCA223 EUCHNER, H. - MIHALKOVIČ, Marek - GAHLER, F. - JOHNSON, M.R. - SCHOBBER, 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 Mg(2)Zn(11) phase. In *Physical Review B*,

2011, vol. 83, no. 14, 144202. (3.774 - IF2010). (2011 - Current Contents, WOS, SCOPUS). ISSN 1098-0121.

Ohlasy:

[1.1] HARRIS, N.A. In ZEITSCHRIFT FUR ANORGANISCHE ALLGEMEINE CHEMIE, 2011, vol. 637m p. 1961., WOS

[1.1] KLANJSEK, M. In INTERMETALLICS, 2013, vol. 39, p. 50-57., WOS

ADCA224 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, 055402. (2.223 - IF2013). (2014 - Current Contents). ISSN 0953-8984.

Ohlasy:

[1.1] ORS, Taylan - TAKAKURA, Hiroyuki - ABE, Eiji - STEURER, Walter. The quasiperiodic average structure of highly disordered decagonal Zn-Mg-Dy and its temperature dependence. In ACTA CRYSTALLOGRAPHICA SECTION B-STRUCTURAL SCIENCE CRYSTAL ENGINEERING AND MATERIALS. ISSN 0108-7681, 2014, vol. 70, pp. 315., WOS

ADCA225 FABER, Manfred - GREENSITE, Jeff - OLEJNÍK, Štefan. First evidence for center dominance in SU(3) lattice gauge theory. In *Physics Letters B*, 2000, vol. 474, p. 177-181. (3.878 - IF1999). (2000 - Current Contents, WOS, SCOPUS). ISSN 0370-2693.

Ohlasy:

[1.1] BOWMAN, Patrick O. - LANGFELD, Kurt - LEINWEBER, Derek B. - STERNBECK, Andre - VON SMEKAL, Lorenz - WILLIAMS, Anthony G. Role of center vortices in chiral symmetry breaking in SU(3) gauge theory. In PHYSICAL REVIEW D, 2011, vol.84, no.3, 034501., WOS

ADCA226 FABER, M. - GREENSITE, J. - OLEJNÍK, Štefan. Casimir scaling from center vortices: Towards and understanding of the adjoint string tension. In *Physical Review D*, 1998, vol. 57, no. 4, p. 2603-2609. ISSN 1550-7998.

Ohlasy:

[1.1] DELDAR, S. Confinement in G(2) gauge theories. In PHYSICAL REVIEW D, 2012, vol. 85, no. 5, 054501., WOS

[1.1] DELDAR, S.-LOOKZADEH, H.-NEJAD, S.M.H. Center vortex model and the G(2) gauge group. In AIP CONFERENCE PROCEEDINGS, 2011, vol. 1343, P. 224-226., WOS

[1.1] ENGSELHARDT, M. Center vortex model for the infrared sector of SU(3)Yang-Mills theory. In PHYSICAL REVIEW D, 2011, vol. 83, 025015., WOS

[1.1] LOOKZADEH,Hadi- DELDAR,S. Interaction between multi-component vortices at arbitrary distances using a variational method in the Ginzburg-Landau theory. In EUROPEAN PHYSICAL JOURNAL C, 2014, vol. 74, 3093., WOS

[1.1] MYKKANEN, A. Casimir scaling and renormalization of Polyakov loops. In JOURNAL OF HIGH ENERGY PHYSICS, 2012, no. 5, 069., WOS

[1.1] NEJAD, Hosseini S.M.- DELDAR,S. Role of the SU(2)and SU(3)

subgroups in observing confinement in the $G(2)$ gauge group. In *PHYSICAL REVIEW D*, 2014, vol. 89, 014510., WOS

[1.1] OXMAN, L.E. - SANTOS-ROSA, G.C. - TEIXEIRA, B.F.I. Coloured loops in 4D and their effective field representation. In *JOURNAL OF PHYSICS A*, 2014, vol. 47, 305401., WOS

[1.1] RAFIBAKSHS, Shahnoosh. Effect of the $SU(4)$ group in the thick center vortex potentials. In *PHYSICAL REVIEW D*, 2014, vol. 89, 034503., WOS

[1.1] ZIMMERMANN, F. Vacuum structure and string tension in Yang-Mills dimeron ensembles. In *PHYSICAL REVIEW D*, 2012, vol. 86, no. 9, 094005., WOS

ADCA227 FABER, M. - GREENSITE, J. - OLEJNÍK, Štefan. Center projection with and without gauge fixing. In *Journal of High Energy Physics*, 1999, no. 01, 008. ISSN 1126-6708.

Ohlasy:

[3] ZUBKOV, M.A. In PREPRINT DOCTORAL THESIS (ITEP, Moscow), HEP-PH/ 1207.4619, 2012.

ADCA228 FABER, M. - MARKUM, H. - OLEJNÍK, Štefan - SAKULER, W. Topological charge-density around static color sources in lattice QCD with dynamical quarks. In *Nuclear Physics B - Proceedings Supplements*, 1995, vol. 42, p. 487-489. ISSN 0920-5632.

Ohlasy:

[1.1] REINHARDT, H. - WEIGEL, H. Vacuum nature of the QCD condensates. In *PHYSICAL REVIEW D*. ISSN 1550-7998, 2012, vol. 85, no. 7, 074029., WOS

[1.1] ZIMMERMANN, F.-FORKEL, H.- MULLER-PREUSSKER, M. Vacuum structure and string tension in Yang-Mills dimeron ensembles. In *PHYSICAL REVIEW D*, 2012, vol. 86, 094005., WOS

ADCA229 FARHI, E. - GOLDSTONE, J. - GUTMANN, S. - NAGAJ, Daniel. How to make the quantum adiabatic algorithm fail. In *International Journal of Quantum Information*, 2008, vol. 6, no. 3, p. 503-516. ISSN 0219-7499.

Ohlasy:

[1.1] DICKSON, Neil G. Elimination of perturbative crossings in adiabatic quantum optimization. In *NEW JOURNAL OF PHYSICS*, 2011, vol.13, no. 073011, WOS

[1.1] DICKSON, Neil G. - AMIN, M. H. S. Does Adiabatic Quantum Optimization Fail for NP-Complete Problems? In *PHYSICAL REVIEW LETTERS*, 2011, vol.106, no.5., WOS

[1.1] HEN, Itay - YOUNG, A. P. Exponential complexity of the quantum adiabatic algorithm for certain satisfiability problems. In *PHYSICAL REVIEW E*, 2011, vol.84, no.6., WOS

[1.1] CHOI, Vicky. DIFFERENT ADIABATIC QUANTUM OPTIMIZATION ALGORITHMS FOR THE NP-COMPLETE EXACT COVER AND 3SAT PROBLEMS. In *QUANTUM INFORMATION & COMPUTATION*, 2011, vol.11, no.7-8, 638., WOS

[1.1] PERDOMO-ORTIZ, Alejandro - VENEGAS-ANDRACA, Salvador E. - ASPURU-GUZI, Alan. A study of heuristic guesses for adiabatic quantum

computation. In QUANTUM INFORMATION PROCESSING, 2011, vol.10, no.1, 33., WOS

ADCA230 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. (7.328 - IF2009). (2010 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Ohlasy:

[1.1] AHARONOV, Dorit - ARAD, Itai - VAZIRANI, Umesh - LANDAU, Zeph. The detectability lemma and its applications to quantum Hamiltonian complexity. In NEW JOURNAL OF PHYSICS, 2011, vol.13, no. 113043., WOS
[1.1] PASTAWSKI, Fernando - YAO, Norman Y. - JIANG, Liang - LUKIN, Mikhail D. - CIRAC, J. Ignacio. Unforgeable noise-tolerant quantum tokens. In PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA. ISSN 0027-8424, 2012, vol. 109, no. 40, pp. 16079., WOS

ADCA231 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. (2.866 - IF2009). (2010 - Current Contents). ISSN 1050-2947.

Ohlasy:

[1.1] ANISHCHENKO, Anastasiia - BLUMEN, Alexander - MUELKEN, Oliver. Enhancing the spreading of quantum walks on star graphs by additional bonds. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2012, vol. 11, no. 5, pp. 1273., WOS
[1.1] DIMCOVIC, Zlatko - ROCKWELL, Daniel - MILLIGAN, Ian - BURTON, Robert M. - THINH NGUYEN - KOVCHEGOV, Yevgeniy. Framework for discrete-time quantum walks and a symmetric walk on a binary tree. In PHYSICAL REVIEW A, 2011, vol.84, no.3, 032311., WOS
[1.1] ELIAS VENEGAS-ANDRACA, Salvador. Quantum walks: a comprehensive review. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2012, vol. 11, no. 5, pp. 1015., WOS
[1.1] HAMILTON, Craig S. - KRUSE, Regina - SANSONI, Linda - SILBERHORN, Christine - JEX, Igor. Driven Quantum Walks. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2014, vol. 113, no. 8, 083602., WOS
[1.1] IONICIOIU, Radu - SPILLER, Tim P. Encoding graphs into quantum states: An axiomatic approach. In PHYSICAL REVIEW A. ISSN 1050-2947, 2012, vol. 85, no. 6, 062313., WOS
[1.1] MACHIDA, Takuya. REALIZATION OF THE PROBABILITY LAWS IN THE QUANTUM CENTRAL LIMIT THEOREMS BY A QUANTUM WALK. In QUANTUM INFORMATION & COMPUTATION. ISSN 1533-7146, 2013, vol. 13, no. 5-6, pp. 430., WOS
[1.1] MISZCZAK, Jaroslaw Adam - SADOWSKI, Przemyslaw. QUANTUM NETWORK EXPLORATION WITH A FAULTY SENSE OF DIRECTION. In QUANTUM INFORMATION & COMPUTATION. ISSN 1533-7146, 2014, vol. 14, no. 13-14, pp. 1238., WOS
[1.1] TSOMOKOS, Dimitris I. Quantum walks on complex networks with

connection instabilities and community structure. In PHYSICAL REVIEW A, 2011, vol.83, no.5, 052315., WOS

ADCA232 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)Pd(x)Ni(1-x). In *Intermetallics*, 2011, vol. 19, no. 4, p. 502-510. (2.335 - IF2010). (2011 - Current Contents, WOS, SCOPUS). ISSN 0966-9795.

Ohlasy:

[1.1] DING, H. Effect of nonmetal element. In INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol. 37, 2012, no. 8, p. 6700-6713., WOS

ADCA233 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. (0.852 - IF1996). (1997 - Current Contents, WOS, SCOPUS). ISSN 0921-5093.

Ohlasy:

[1.1] ABDI, S. - KHOSHKHOO, M. Samadi - SHULESHOVA, O. - BOENISCH, M. - CALIN, M. - SCHULTZ, L. - ECKERT, J. - BARO, M. D. - SORT, J. - GEBERT, A. Effect of Nb addition on microstructure evolution and nanomechanical properties of a glass-forming Ti-Zr-Si alloy. In INTERMETALLICS. ISSN 0966-9795, 2014, vol. 46, pp. 156., WOS

ADCA234 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. ISSN 0044-2968.

Ohlasy:

[1.1] BAUER, E. - ROGL, P. - BAUER, E - SIGRIST, M. Non-centrosymmetric Superconductors: Strong vs. Weak Electronic Correlations. In NON-CENTROSYMMETRIC SUPERCONDUCTORS: INTRODUCTION AND OVERVIEW. ISSN 0075-8450, 2012, vol. 847, pp. 3-33., WOS

[1.1] BERGER, Robert F. - WALTERS, Peter L. - LEE, Stephen - HOFFMANN, Roald. Connecting the Chemical and Physical Viewpoints of What Determines Structure: From 1-D Chains to gamma-Brasses. In CHEMICAL REVIEWS, 2011, vol.111, no.8, 4522., WOS

[1.1] BERNSTEIN, Noam - GOSWAMI, Ramasis - HOLTZ, Ronald L. Surface and Interface Energies of Complex Crystal Structure Aluminum Magnesium Alloys. In METALLURGICAL AND MATERIALS TRANSACTIONS A-PHYSICAL METALLURGY AND MATERIALS SCIENCE. ISSN 1073-5623, 2012, vol. 43A, no. 6, pp. 2166., WOS

- [1.1] BERNIS, Veronica M. - STACEY, Timothy E. - SAPIRO, Michael - FREDRICKSON, Daniel C. Mg₁₁Cu₆Al₁₂, A New Link in the Structural Chemistry of MgCu₂-Type Clusters. In EUROPEAN JOURNAL OF INORGANIC CHEMISTRY, 2011, no.26, 3936., WOS
- [1.1] BLATOV, V. A. Nanocluster analysis of intermetallic structures with the program package TOPOS. In STRUCTURAL CHEMISTRY. ISSN 1040-0400, 2012, vol. 23, no. 4, pp. 955., WOS
- [1.1] BLATOV, V. A. - ILYUSHIN, G. D. New icosahedral nanoclusters in crystal structures of intermetallic compounds: Topological types of 50-atom deltahedra D₅₀ in samson phases beta-Mg₂Al₃ and epsilon-Mg₂₃Al₃₀. In CRYSTALLOGRAPHY REPORTS. ISSN 1063-7745, 2012, vol. 57, no. 7, pp. 885., WOS
- [1.1] DIETRICH, D. - NICKEL, D. - KRAUSE, M. - LAMPKE, T. - COLEMAN, M. P. - RANDLE, V. Formation of intermetallic phases in diffusion-welded joints of aluminium and magnesium alloys. In JOURNAL OF MATERIALS SCIENCE, 2011, vol.46, no.2, 357., WOS
- [1.1] DUBOIS, Jean-Marie. Properties- and applications of quasicrystals and complex metallic alloys. In CHEMICAL SOCIETY REVIEWS. ISSN 0306-0012, 2012, vol. 41, no. 20, pp. 6760., WOS
- [1.1] DUBOIS, J.M. - BELIN-FERRE, E. Electronic Properties and Complexity of Al-Based Complex Metallic Alloys. In ACTA PHYSICA POLONICA A. ISSN 0587-4246, 2014, vol. 126, no. 2, pp. 453., WOS
- [1.1] DUDA, M. - WOLNY, J. Coherent joining of the domains in Mg₂Al₃ beta- and beta' -phases. In PHILOSOPHICAL MAGAZINE, 2011, vol.91, no.19-21, 2645., WOS
- [1.1] GROVE, Hilde - LOVVIK, Ole Martin - HUANG, Weiming - OPALKA, Susanne M. - HEYN, Richard H. - HAUBACK, Bjorn C. Decomposition of lithium magnesium aluminum hydride. In INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, 2011, vol.36, no.13, 7602., WOS
- [1.1] ILYUSHIN, G. D. Theory of cluster self-organization of crystal-forming systems: geometrical-topological modeling of nanocluster precursors with a hierarchical structure. In STRUCTURAL CHEMISTRY. ISSN 1040-0400, 2012, vol. 23, no. 4, pp. 997., WOS
- [1.1] KOVNIR, Kirill - SHATRUK, Michael. Magnetism in Giant Unit Cells Crystal Structure and Magnetic Properties of R₁₁₇Co₅₂+delta Sn₁₁₂+gamma (R = Sm, Tb, Dy). In EUROPEAN JOURNAL OF INORGANIC CHEMISTRY, 2011, vol., no.26, 3955., WOS
- [1.1] LOA, I. - NELMES, R. J. - LUNDEGAARD, L. F. - MCMAHON, M. I. Extraordinarily complex crystal structure with mesoscopic patterning in barium at high pressure. In NATURE MATERIALS. ISSN 1476-1122, 2012, vol. 11, no. 7, pp. 627., WOS
- [1.1] MIZUTANI, U. - INUKAI, M. - SATO, H. - ZIJLSTRA, E. S. Hume-Rothery stabilization mechanism and e/a determination for RT- and MI-type 1/1-1/1-1/1 approximants studied by FLAPW-Fourier analyses. In CHEMICAL SOCIETY REVIEWS. ISSN 0306-0012, 2012, vol. 41, no. 20, pp. 6799., WOS
- [1.1] NAYYERI, Mohammad Javad - GANJIKHANLOU, Yadolah - KOLAH, Alireza - JAMILI, Amir Mohammad. Effect of Ca and Rare Earth Additions on the Texture, Microhardness, Microstructure and Structural Properties of As-Cast Mg-4Al-2Sn Alloys. In TRANSACTIONS OF THE

INDIAN INSTITUTE OF METALS. ISSN 0972-2815, 2014, vol. 67, no. 4, pp. 469., WOS

[1.1] PANTELI, A. - ROBSON, J. D. - BROUGH, I. - PRANGNELL, P. B. The effect of high strain rate deformation on intermetallic reaction during ultrasonic welding aluminium to magnesium. In MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING. ISSN 0921-5093, 2012, vol. 556, pp. 31-42., WOS

[1.1] PONTHEU, M. In JOURNAL OF ALLOYS AND COMPOUNDS, 2013, vol. 548, p. 96-104., WOS

[1.1] SHIN, Dongwon - WOLVERTON, Christopher. The effect of native point defect thermodynamics on off-stoichiometry in beta-Mg₁₇Al₁₂. In ACTA MATERIALIA. ISSN 1359-6454, 2012, vol. 60, no. 13-14, pp. 5135., WOS

[1.1] WANG, Yiyu - LUO, Guoqiang - LI, Leijun - SHEN, Qiang - ZHANG, Lianmeng. Formation of intermetallic compounds in Mg-Ag-Al joints during diffusion bonding. In JOURNAL OF MATERIALS SCIENCE. ISSN 0022-2461, 2014, vol. 49, no. 20, pp. 7298., WOS

[1.1] WOLNY, J. - DUDA, M. Ordering of hexagonal layers in phase beta- and beta'-Mg₂Al₃. In PHILOSOPHICAL MAGAZINE, 2011, vol. 91, no. 11, 1568., WOS

[1.1] YI, Gaosong - FREE, Michael L. - ZHU, Yakun - DERRICK, Alexander T. Capillarity Effect Controlled Precipitate Growth at the Grain Boundary of Long-Term Aging Al 5083 Alloy. In METALLURGICAL AND MATERIALS TRANSACTIONS A-PHYSICAL METALLURGY AND MATERIALS SCIENCE. ISSN 1073-5623, 2014, vol. 45A, no. 11, pp. 4851., WOS

ADCA235 FIDRÍKOVÁ, Danica - GREIF, V. - DIEŠKA, P. - ŠTOFANIK, Vladimír - 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. (1.445 - IF2012). (2013 - Current Contents). ISSN 1866-6280.

Ohlasy:

[1.1] Di SIPIO, E. et al. Subsurface thermal conductivity assessment in Calabria (southern Italy): a regional case study. In ENVIRONMENTAL EARTH SCIENCES, 2014, vol. 72, no. 5, pp. 1383-1401., WOS

[1.1] SIEGESMUND, S. - BRIMBLECOMBE, P. In ENVIRONMENTAL EARTH SCIENCES, 2013, vol. 69, no. 4, pp. 1067-1069., WOS

ADCA236 FILIP, Peter. Indications of conical emission of charged hadrons at the BNL relativistic heavy ion collider. In *Physical Review Letters*, 2009, vol. 102, no. 5, 052302. (7.180 - IF2008). (2009 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Ohlasy:

[1.1] ADARE, Andrew - BLEICHER, M - CAINES, H - SANCHEZ, MCD - DEFALCO, A - FRIES, R - DECASSAGNAC, RG - HIPPOLYTE, B - MISCHKE, A - NARDI, M - SALGADO, CA. Jet-triggered dihadron correlations. In HOT QUARKS 2010: WORKSHOP FOR YOUNG SCIENTISTS ON THE PHYSICS OF ULTRARELATIVISTIC NUCLEUS-NUCLEUS COLLISIONS, 2011, vol. 270., WOS

- [1.1] ANDRADE, R. P. G. - GRASSI, F. - HAMA, Y. - QIAN, W.L. Hydrodynamics: Fluctuating initial conditions and two-particle correlations. In NUCLEAR PHYSICS A, 2011, vol.854, no.1, 81., WOS
- [1.1] ANDRADE, R. P. G. - GRASSI, F. - HAMA, Y. - QIAN, W-L. Temporal evolution of tubular initial conditions and their influence on two-particle correlations in relativistic nuclear collisions. In PHYSICS LETTERS B. ISSN 0370-2693, 2012, vol. 712, no. 3, pp. 226., WOS
- [1.1] ANTINORI, Federico. Hard Probes 2010: Experimental summary. In NUCLEAR PHYSICS A, 2011, vol.855, no.1, 197., WOS
- [1.1] AYALA, Alejandro - JALILIAN-MARIAN, Jamal - ORTIZ, Antonio - PAIC, Guy - MAGNIN, J. - ELENA TEJEDA-YEOMANS, Maria. Three-hadron angular correlations in high-energy proton-proton and nucleus-nucleus collisions from perturbative QCD. In PHYSICAL REVIEW C, 2011, vol.84, no.2., WOS
- [1.1] BETZ, Barbara - BIRO, TS - BARNAFOLDI, GG. Deflected Jets or Hot Spots? Conical Correlations of Hard Trigger Particles. In HCBM 2010 INTERNATIONAL WORKSHOP ON HOT AND COLD BARYONIC MATTER, 2011, vol.13., WOS
- [1.1] GALE, Charles - JEON, Sangyong - SCHENKE, Bjoern. HYDRODYNAMIC MODELING OF HEAVY-ION COLLISIONS. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2013, vol. 28, no. 11, 1340011., WOS
- [1.1] GRASSI, Frederique - GONCALVES, VP - DASILVA, MLL - AMARAL, JTD - MACHADO, MVT. Event-by-event hydrodynamics: a better tool to study the Quark-Gluon Plasma. In XII HADRON PHYSICS. ISSN 0094-243X, 2013, vol. 1520, pp. 166., WOS
- [1.1] HAMA, Y. On the origin of the Trigger-Angle dependence. In PROGRESS OF THEORETICAL PHYSICS SUPPL, 2012, vol. 193, pp. 167., WOS
- [1.1] HONG, Juhee - TEANEY, Derek - CHESLER, Paul M. Wake of a heavy quark in non-Abelian plasmas: Comparing kinetic theory and the anti-de Sitter space/conformal field theory correspondence. In PHYSICAL REVIEW C. ISSN 0556-2813, 2012, vol. 85, no. 6, 064903., WOS
- [1.1] CHAUDHURI, A. K. - HAQUE, Md. Rihan - ROY, Victor - MOHANTY, Bedangadas. Event-by-event hydrodynamical simulations for root s(NN)=200 GeV Au + Au collisions and the correlation between flow coefficients and initial asymmetry measures. In PHYSICAL REVIEW C. ISSN 0556-2813, 2013, vol. 87, no. 3, 034907., WOS
- [1.1] LI, Hanlin - LIU, Fuming - MA, Guo-liang - WANG, Xin-Nian - ZHU, Yan. Mach Cone Induced by gamma-Triggered Jets in High-Energy Heavy-Ion Collisions. In PHYSICAL REVIEW LETTERS, 2011, vol.106, no.1., WOS
- [1.1] NEUFELD, R. B. Thermal field theory derivation of the source term induced by a fast parton from the quark energy-momentum tensor. In PHYSICAL REVIEW D, 2011, vol.83, no.6., WOS
- [1.1] NEUFELD, R. B. - VITEV, I. Parton showers as sources of energy-momentum deposition in the quark-gluon plasma and their implication for shockwave formation at energies available at the BNL Relativistic Heavy Ion Collider and at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 0556-2813, 2012, vol. 86, no. 2, 024905., WOS
- [1.1] OLLITRAULT, Jean-Yves. Phenomenology of the little bang. In INTERNATIONAL NUCLEAR PHYSICS CONFERENCE 2010 (INPC): HOT

AND DENSE QCD, 2011, vol.312., WOS

[1.1] PEI, Hua - BELLWIED, R - PRUNEAU, C. Jet studies in STAR via 2+1 correlations. In 27TH WINTER WORKSHOP ON NUCLEAR DYNAMICS (WWND 2011), 2011, vol.316., WOS

[1.1] QIAN, W.-L. In JOURNAL OF PHYSICS G, 2014, vol. 41, 015103., WOS

[1.1] QIAN, W.-L. In PHYSICAL REVIEW C, 2013, vol. 87, 014904., WOS

[1.1] SCHENKE, Bjoern - JEON, Sangyong - GALE, Charles. Elliptic and Triangular Flow in Event-by-Event D=3+1 Viscous Hydrodynamics. In PHYSICAL REVIEW LETTERS, 2011, vol.106, no.4., WOS

[1.1] SCHENKE, Bjoern - JEON, Sangyong - GALE, Charles. Higher flow harmonics from (3+1)D event-by-event viscous hydrodynamics. In PHYSICAL REVIEW C. ISSN 0556-2813, 2012, vol. 85, no. 2, 024901., WOS

[1.1] TEANEY, Derek - YAN, Li. Triangularity and dipole asymmetry in relativistic heavy ion collisions. In PHYSICAL REVIEW C, 2011, vol.83, no.6., WOS

[1.1] XIE, W. Heavy flavor production and heavy flavor induced correlations at RHIC. In NUCLEAR PHYSICS A, 2011, vol.855, no.1, 108., WOS

ADCA237 FILIP, Peter - LEDNICKY, R. - MASUI, H. - XU, N. Initial eccentricity in deformed 197 Au+197 Au and 238 U +238 U collisions at odmochnina SNN=200 GeV at the BNL relativistic heavy ion collider. In *Physical Review C*, 2009, vol. 80, no. 5, 054903. (3.124 - IF2008). (2009 - Current Contents, SCOPUS). ISSN 0556-2813.

Ohlasy:

[1.1] HAQUE, R.-LIN, Z.-W.- MOHANTY B. In PHYSICAL REVIEW C, 2012, vol. 85, 021902., WOS

[1.1] HIRANO, T. In PHYSICAL REVIEW C, 2011, vol. 83, 021902., WOS

[1.1] HIRANO, T. In PHYSICAL REVIEW C, 2011, vol. 83, 021902., WOS

[1.1] HIRANO, T. In PROGRESS PARTICLE IN NUCLEAR PHYSICS, 2013, vol. 70, pp. 108-158., WOS

[1.1] RYBCZYNSKI, M. In PHYSICAL REVIEW C, 2013, vol. 87, 044908., WOS

[1.1] RYBCZYNSKI, M.-STEFANEK, G.-BRONIOWSKI, W.-BOZEK, P. GLISSANDO 2: GLauber initial-state simulation and more. In COMPUTER PHYSICS COMMUNICATIONS, vol. 185, 2014, pp. 1759-1772., WOS

[1.1] XU, J.-MARTINOT, Z.- LI, B.-A. In PHYSICAL REVIEW C, 2012, vol. 86. 044623., WOS

ADCA238 FILIPPOV, S.N. - ZIMAN, Mário. Bipartite entanglement-annihilating maps: necessary and sufficient conditions. In *Physical Review A*, 2013, vol. 88, 032316. (3.042 - IF2012). (2013 - Current Contents, WOS, SCOPUS). ISSN 1050-2947.

Ohlasy:

[1.1] ALI, Mazhar - GUEHNE, Otfried. Robustness of multiparticle entanglement: specific entanglement classes and random states. In JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS. ISSN 0953-4075, 2014, vol. 47, no. 5, 055503., WOS

[1.1] HUBER, Marcus - PERARNAU-LLOBET, Marti - DE VICENTE, Julio I. Entropy vector formalism and the structure of multidimensional entanglement in multipartite systems. In PHYSICAL REVIEW A. ISSN

1050-2947, 2013, vol. 88, no. 4, 042328., WOS

[1.1] MARZOLINO, U. Entanglement in dissipative dynamics of identical particles. In EPL. ISSN 0295-5075, 2013, vol. 104, no. 4, 40004., WOS

ADCA239 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. (3.042 - IF2012). (2013 - Current Contents, WOS, SCOPUS). ISSN 1050-2947.

Ohlasy:

[1.1] ALI, Mazhar - GUEHNE, Otfried. Robustness of multiparticle entanglement: specific entanglement classes and random states. In JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS. ISSN 0953-4075, 2014, vol. 47, no. 5, 055503., WOS

[1.1] ALI, Mazhar - HUANG JIANG. Distillability Sudden Birth of Entanglement for Qutrit-Qutrit Systems. In CHINESE PHYSICS LETTERS. ISSN 0256-307X, 2014, vol. 31, no. 11, 110301., WOS

[1.1] ALI, Mazhar - RAU, A. R. P. Sudden change in dynamics of genuine multipartite entanglement of cavity-reservoir qubits. In PHYSICAL REVIEW A. ISSN 1050-2947, 2014, vol. 90, no. 4, 042330., WOS

[1.1] ALI, Mazhar. Evolution of Genuine Multipartite Entanglement of Specific and Random States Under non-Markovian Noise. In OPEN SYSTEMS & INFORMATION DYNAMICS. ISSN 1230-1612, 2014, vol. 21, no. 4, 1450008., WOS

[1.1] HOFMANN, Martin - MORODER, Tobias - GUEHNE, Otfried. Analytical characterization of the genuine multiparticle negativity. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2014, vol. 47, no. 15, 155301., WOS

ADCA240 FILIPPOV, S.N. - RYBÁŘ, Tomáš - ZIMAN, Mário. Local two-qubit entanglement-annihilating channels. In *Physical Review A*, 2012, vol. 85, no. 1, 012303. (2.878 - IF2011). (2012 - Current Contents). ISSN 1050-2947.

Ohlasy:

[1.1] ALI, Mazhar. Dynamics of genuine multipartite entanglement under local non-Markovian dephasing. In PHYSICS LETTERS A. ISSN 0375-9601, 2014, vol. 378, no. 30-31, pp. 2048., WOS

[1.1] CARUSO, Filippo - GIOVANNETTI, Vittorio - LUPO, Cosmo - MANCINI, Stefano. Quantum channels and memory effects. In REVIEWS OF MODERN PHYSICS. ISSN 0034-6861, 2014, vol. 86, no. 4, pp. 1203., WOS

[1.1] DE PASQUALE, A. - GIOVANNETTI, V. Quantifying the noise of a quantum channel by noise addition. In PHYSICAL REVIEW A. ISSN 1050-2947, 2012, vol. 86, no. 5, 052302., WOS

[1.1] GUO, Yu - BAI, Zhaofang - DU, Shuanping - LI, Xiulan. WHEN QUANTUM CHANNEL PRESERVES PRODUCT STATES. In REPORTS ON MATHEMATICAL PHYSICS. ISSN 0034-4877, 2014, vol. 74, no. 3, pp. 277., WOS

[1.1] GUO, Yu - HOU, Jinchuan. Local channels preserving the states without measurement-induced nonlocality. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2013, vol. 46, no. 32, 325301., WOS

[1.1] HUBER, Marcus - PERARNAU-LLOBET, Marti - DE VICENTE,

Julio I. Entropy vector formalism and the structure of multidimensional entanglement in multipartite systems. In PHYSICAL REVIEW A. ISSN 1050-2947, 2013, vol. 88, no. 4, 042328., WOS

ADCA241 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, p. 085104-1-8. (3.065 - IF2000). (2001 - Current Contents, WOS, SCOPUS). ISSN 1098-0121.

Ohlasy:

[1.1] HATNEAN, M. Ciomaga - LEES, M. R. - PAUL, D. Mc. K. - BALAKRISHNAN, G. Large, high quality single-crystals of the new Topological Kondo Insulator, SmB6. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2013, vol. 3, 3071., WOS

[1.1] LEE, Hyun-Won - LEE, Kyujoon - CHOO, Seongmin - JO, Nahyun - JUNG, Myung-Hwa. Electron Tunneling Spectroscopy of SmB6 Studied by In Situ Nano-Break-Junction Method. In JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY, 2011, vol.11, no.7, 6368., WOS

[1.1] NEUPANE, M. - ALIDOUST, N. - XU, S.Y. - KONDO, T. - ISHIDA, Y. - KIM, D. J. - LIU, Chang - BELOPOLSKI, I. - JO, Y. J. - CHANG, T.R. - JENG, H.T. - DURAKIEWICZ, T. - BALICAS, L. - LIN, H. - BANSIL, A. - SHIN, S. - FISK, Z. - HASAN, M. Z. Surface electronic structure of the topological Kondo-insulator candidate correlated electron system SmB6. In NATURE COMMUNICATIONS. ISSN 2041-1723, 2013, vol. 4, 2991., WOS

[1.1] NIKOLIC, Predrag. Two-dimensional heavy fermions on the strongly correlated boundaries of Kondo topological insulators. In PHYSICAL REVIEW B. ISSN 1098-0121, 2014, vol. 90, no. 23, 235107., WOS

[1.1] ROESSLER, Sahana - JANG, Tae-Hwan - KIM, Dae-Jeong - TJENG, L. H. - FISK, Zachary - STEGLICH, Frank - WIRTH, Steffen. Hybridization gap and Fano resonance in SmB6. In PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA. ISSN 0027-8424, 2014, vol. 111, no. 13, pp. 4798-4802., WOS

[1.1] WOLGAST, Steven - KURDAK, Cagliyan - SUN, Kai - ALLEN, J. W. - KIM, Dae-Jeong - FISK, Zachary. Low-temperature surface conduction in the Kondo insulator SmB6. In PHYSICAL REVIEW B. ISSN 1098-0121, 2013, vol. 88, no. 18, 180405., WOS

[1.1] YAMAGUCHI, J. - SEKIYAMA, A. - KIMURA, M. Y. - SUGIYAMA, H. - TOMIDA, Y. - FUNABASHI, G. - KOMORI, S. - BALASHOV, T. - WULFHEKEL, W. - ITO, T. - KIMURA, S. - HIGASHIYA, A. - TAMASAKU, K. - YABASHI, M. - ISHIKAWA, T. - YEO, S. - LEE, S-I - IGA, F. - TAKABATAKE, T. - SUGA, S. Different evolution of the intrinsic gap in strongly correlated SmB6 in contrast to YbB12. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2013, vol. 15, 043042., WOS

[1.1] ZHANG, Xiaohang - BUTCH, N. P. - SYERS, P. - ZIEMAK, S. - GREENE, Richard L. - PAGLIONE, Johnpierre. Hybridization, Inter-Ion Correlation, and Surface States in the Kondo Insulator SmB6. In PHYSICAL REVIEW X. ISSN 2160-3308, 2013, vol. 3, no. 1, 011011., WOS

ADCA242 FLINT, S.D. - HARTMANOVÁ, Mária - JONES, J.S. - SLADE, R.C.T. Microstructure of Ca-doped barium cerate electrolytes BaCe_{1-x}CaO_{3-α} (x=0,

0.02, 0.05, 0.15). In *Solid State Ionics : Diffusion and Reactions*, 1996, vol. 86-8, p. 679-683. (1996 - Current Contents). ISSN 0167-2738.

Ohlasy:

[1.1] BASU, J. Microstructural evolution of cobalt. In *JOURNAL OF THE EUROPEAN CERAMIC SOCIETY*, 2011, VOL. 31, P. 1421., WOS

[1.1] JIMENEZ-MELENDO, M. In *FUEL PROCESSING TECHNOLOGY*, 2012, vol. 103, p. 146-150., WOS

[1.1] LOPEZ-ROBLEDO, M.J. Processing and mechanical behavior at elevated temperatures. In *JOURNAL OF THE EUROPEAN CERAMIC SOCIETY*, 2011, VOL. 31, NO. 7, P. 1339., WOS

ADCA243 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. (0.794 - IF2010). (2011 - Current Contents). ISSN 0021-2148.

Ohlasy:

[1.1] DUBOIS, J.-M. So useful, those quasicrystals. In *ISRAEL JOURNAL OF CHEMISTRY*, 2011, vol. 51, p. 1168-1175., WOS

[1.1] UENAL, B. - EVANS, J. W. - THIEL, P. A. Temperature Dependence of Ag Film Roughening during Deposition on Quasicrystal and Approximant Surfaces. In *ACTA PHYSICA POLONICA A*. ISSN 0587-4246, 2014, vol. 126, no. 2, pp. 608-612., WOS

ADCA244 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. (2.316 - IF2006). (2007 - Current Contents, SCOPUS). ISSN 0021-8979.

Ohlasy:

[1.1] ARAYEDH, Brahim - KALLEL, Sami - KALLEL, Nabil - PENA, Octavio. Influence of non-magnetic and magnetic ions on the MagnetoCaloric properties of La_{0.7}Sr_{0.3}Mn_{0.9}M_{0.1}O₃ doped in the Mn sites by M=Cr, Sn, Ti. In *JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS*. ISSN 0304-8853, 2014, vol. 361, pp. 68-73., WOS

[1.1] GHOSH, Nilotpal. Heisenberg-Like Critical Properties and Magnetocaloric Effect in Lead Doped NdMnO₃ Single Crystal. In *JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM*. ISSN 1557-1939, 2013, vol. 26, no. 5, pp. 1451., WOS

[1.1] HAN ZHIDA - QIAN BIN - ZHANG PING - JIANG XUEFAN - WANG DUNHUI - CHEN JIE - FENG JINFU - DU YOUWEI. Low-field magnetic entropy changes in (Gd_{1-x}Y_x)(₃)Al-2 alloys. In *JOURNAL OF RARE EARTHS*, 2011, vol.29, no.3, 235., WOS

[1.1] LAI, J. W. - ZHENG, Z. G. - MONTEMAYOR, R. - ZHONG, X. C. - LIU, Z. W. - ZENG, D. C. Magnetic phase transitions and magnetocaloric effect of MnCoGe_{1-x}Si_x. In *JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS*. ISSN 0304-8853, 2014, vol. 372, pp. 86-90., WOS

[1.1] LAW, J. Y. - FRANCO, V. - RAMANUJAN, R. V. Influence of La and Ce additions on the magnetocaloric effect of Fe-B-Cr-based amorphous alloys. In *APPLIED PHYSICS LETTERS*, 2011, vol.98, no.19., WOS

[1.1] LEE, Jong Ho - LEE, Seung Jae - HAN, Won Bae - AN, Hyeun Hwan -

- YOON, Chong Seung. Magnetocaloric effect of $\text{Fe}_{64}\text{Mn}_{15-x}\text{Co}_x\text{Si}_{10}\text{B}_{11}$ amorphous alloys. In JOURNAL OF ALLOYS AND COMPOUNDS, 2011, vol.509, no.29, 7764., WOS
- [1.1] LI, Xingzhou - PAN, Ye. Magnetocaloric effect in Fe-Zr-B-M (M = Ni, Co, Al, and Ti) amorphous alloys. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2014, vol. 116, no. 9, 093910., WOS
- [1.1] LUO, Qiang - SCHWARZ, Bjoern - MATTERN, Norbert - SHEN, Jun - ECKERT, Juergen. Mechanism of the giant irreversible positive magnetic entropy change in a Tb-based bulk metallic glass. In APPLIED PHYSICS LETTERS. ISSN 0003-6951, 2012, vol. 101, no. 6, 062411., WOS
- [1.1] LUO, Qiang - SCHWARZ, Bjoern - MATTERN, Norbert - SHEN, Jun - ECKERT, Juergen. Roles of hydrogenation, annealing and field in the structure and magnetic entropy change of Tb-based bulk metallic glasses. In AIP ADVANCES. ISSN 2158-3226, 2013, vol. 3, no. 3, 032134., WOS
- [1.1] MAHFOUDH, N. - KOUBAA, M. - CHEIKHROUHOUS - KOUBAA, W. - CHEIKHROUHOUS, A. Structural, Magnetic, and Magnetocaloric Properties of $\text{La}_{0.5}\text{M}_{0.1}\text{Sr}_{0.4}\text{MnO}_3$ (M = Bi, Eu, Gd, and Dy) Perovskite Manganites. In JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM. ISSN 1557-1939, 2013, vol. 26, no. 5, pp. 1631., WOS
- [1.1] PEKALA, M. - PEKALA, K. - DROZD, V. - STASZKIEWICZ, K. - FAGNARD, J.F. - VANDERBEMDEN, P. Magnetocaloric and transport study of poly- and nanocrystalline composite manganites $\text{La}_{0.7}\text{Ca}_{0.3}\text{MnO}_3/\text{La}_{0.8}\text{Sr}_{0.2}\text{MnO}_3$. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2012, vol. 112, no. 2, 023906., WOS
- [1.1] PRIDA, V. M. - FRANCO, V. - VEGA, V. - SANCHEZ-LLAMAZARES, J. L. - SUNOL, J. J. - CONDE, A. - HERNANDO, B. Magnetocaloric effect in melt-spun FePd ribbon alloy with second order phase transition. In JOURNAL OF ALLOYS AND COMPOUNDS, 2011, vol.509, no.2, 190., WOS
- [1.1] REGAIEG, Y. - KOUBAA, M. - KOUBAA, W. Cheikhrouhou - CHEIKHROUHOUS, A. - SICARD, L. - AMMAR-MERAH, S. - HERBST, F. Structure and magnetocaloric properties of $\text{La}_{0.8}\text{Ag}_{0.2-x}\text{K}_x\text{MnO}_3$ perovskite manganites. In MATERIALS CHEMISTRY AND PHYSICS. ISSN 0254-0584, 2012, vol. 132, no. 2-3, pp. 839., WOS
- [1.1] ROSTAMNEJADI, A. - VENKATESAN, M. - KAMELI, P. - SALAMATI, H. - COEY, J. M. D. Magnetocaloric effect in $\text{La}_{0.67}\text{Sr}_{0.33}\text{MnO}_3$ manganite above room temperature. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, 2011, vol.323, no.16, 2214., WOS
- [1.1] SMITH, Anders - BAHL, Christian R. H. - BJORK, Rasmus - ENGELBRECHT, Kurt - NIELSEN, Kaspar K. - PRYDS, Nini. Materials Challenges for High Performance Magnetocaloric Refrigeration Devices. In ADVANCED ENERGY MATERIALS. ISSN 1614-6832, 2012, vol. 2, no. 11, pp. 1288., WOS
- [1.1] SMITH, Anders - NIELSEN, Kaspar K. - BAHL, Christian R. H. Scaling and universality in magnetocaloric materials. In PHYSICAL REVIEW B. ISSN 1098-0121, 2014, vol. 90, no. 10, 104422., WOS
- [1.1] SWIERCZEK, Jan. Superparamagnetic behavior and magnetic entropy change in partially crystallized Fe-Mo-Cu-B alloy. In PHYSICA STATUS SOLIDI A-APPLICATIONS AND MATERIALS SCIENCE. ISSN 1862-6300, 2014, vol. 211, no. 7, pp. 1567-1576., WOS

ADCA245 FRIGAN, B. - SANTANA, A. - ENGEL, M. - SCHOPF, D. - TREBIN, H.-R. - MIHALKOVIČ, Marek. Low-temperature structure of Al-Pd-Mn optimized by ab initio methods. In *Physical Review B*, 2011, vol. 84, no. 18, 184203. (3.774 - IF2010). (2011 - Current Contents, WOS, SCOPUS). ISSN 1098-0121.

Ohlasy:

[1.1] HEGGEN, M. - FEUERBACHER, M. Metadislocation core structure and atomic model for metadislocation motion. In ACTA MATERIALIA. ISSN 1359-6454, 2013, vol. 61, no. 10, pp. 3851., WOS

[1.1] JANOVEC, J. - CERNICKOVA, I. - PRIPUTEN, P. - SANDERA, P. Complex metallic alloys microstructure characterization. In MATERIALS STRUCTURE & MICROMECHANICS OF FRACTURE VII. ISSN 1013-9826, 2014, vol. 592-593, pp. 483., WOS

[1.1] KOLESAR, V. - PRIPUTEN, R. - BEDNARCIK, J. - CERNICKOVA, I. - SVOBODA, M. - DRIENOVSKY, M. - JANOVEC, J. Evolution of phases in $\text{Al}_{55}\text{Ni}_{30}\text{Pd}_{15}$ alloy at temperatures up to 600 degrees C. In INTERMETALLICS. ISSN 0966-9795, 2014, vol. 46, pp. 141., WOS

ADCA246 FRÖHLICH, Karol - ŠOUC, Ján - MACHAJDÍK, Daniel - JERGEL, Matej - SNAUWAERT, J. - HELLEMANS, L. Surface quality of epitaxial CeO_2 thin films grown on sapphire by aerosol metal organic chemical vapour deposition. In *Chemical Vapour Deposition*, 1998, vol. 4, p. 216-220. (1.360 - IF1997). (1998 - Current Contents).

Ohlasy:

[1.1] GOBEL, M.C. - GREGORI, G. - MAIER, J. In JOURNAL OF PHYSICAL CHEMISTRY C. NOV 7 2013, vol. 117, no. 44, p. 22560-22568., WOS

[1.1] VARGAS-GARCIA, J.R. - TU, R. - GOTO, T. In THIN SOLID FILMS. JAN 1 2012, vol. 520, no. 6, p. 1851-1855., WOS

[1.1] ZHAO, P. - ITO, A. - TU, R. - GOTO, T. In SURFACE & COATINGS TECHNOLOGY. MAY 15 2011, vol. 205, no. 16, p. 4079-4082., WOS

ADCA247 GAKH, G.I. - TOMASI-GUSTAFSSON, E. - ADAMUŠČIN, Cyril - DUBNIČKA, Stanislav - DUBNIČKOVÁ, A.Z. Polarization effects in $e^+ + e^- d^- + d^- + d$ and determination of time-like deuteron form factors. In *Physical Review C*, 2007, vol. 75, no. 2, 065202. (3.327 - IF2006). (2007 - Current Contents, WOS, SCOPUS). ISSN 0556-2813.

Ohlasy:

[1.1] de MELO, J.P.B.C., FREDERICO, T. Light-front projection of spin-1 electromagnetic current and zero-modes. In PHYSICS LETTERS B, 2012, vol. 708, no. 1-2, pp. 87-92., WOS

ADCA248 GALANOPOULOS, S. - SOULIOITIS, G.A. - KEKSIS, A.L. - VESELSKÝ, Martin - KOHLEY, Z. - MAY, L.W. - SHETTY, D.V. - SOISSON, S.N. - STEIN, B.C. - WUENSCHER, S. - YENNELLO, S.J. Isoscaling of mass A similar or equal to 40 reconstructed quasiprojectiles from collisions in the Fermi energy regime. In *Nuclear Physics A*, 2010, vol. 837, no. 3-4, p. 145-162. (1.706 - IF2009). (2010 - Current Contents, SCOPUS). ISSN 0375-9474.

Ohlasy:

[1.1] DE FILIPPO, E. - PAGANO, A. Experimental effects of dynamics and

thermodynamics in nuclear reactions on the symmetry energy as seen by the CHIMERA 4 pi detector. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2014, vol. 50, no. 2, 32., WOS

[1.1] SINGH, H. In AIP CONFERENCE PROCEEDINGS, 2013, vol. 1524, pp. 252-255., WOS

[1.1] TIAN, W. Isospin and symmetry energy study. In SCIENCE CHINA-PHYSICS MECHANICS AND ASTRONOMY, 2011, vol. 54, S141., WOS

[1.1] ZHOU, P. The influence of multi-step. In CHINESE PHYSICS LETTERS, 2011, vol. 28, 062101., WOS

ADCA249 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.

Ohlasy:

[1.1] CHEN, X-B. - CAIN, T. - SCULLY, J. R. - BIRBILIS, N. Technical Note: Experimental Survey of Corrosion Potentials for Rare Earth Metals Ce, Er, Gd, La, and Nd as a Function of pH and Chloride Concentration. In CORROSION. ISSN 0010-9312, 2014, vol. 70, no. 4, pp. 323., WOS

[1.1] LI, C. L. - MURRAY, J. W. - VOISEY, K. T. - CLARE, A. T. - MCCARTNEY, D. G. Corrosion behaviour of a rapidly solidified Al_{87.4}Co_{7.9}Ce_{4.7} layer prepared by large area electron beam irradiation. In APPLIED SURFACE SCIENCE. ISSN 0169-4332, 2014, vol. 320, pp. 581., WOS

[1.1] LI, C. L. - MURRAY, J. W. - VOISEY, K. T. - CLARE, A. T. - MCCARTNEY, D. G. Effect of prior laser microstructural refinement on the formation of amorphous layer in an Al₈₆Co_{7.6}Ce_{6.4} alloy. In APPLIED SURFACE SCIENCE. ISSN 0169-4332, 2014, vol. 289, pp. 230., WOS

[1.1] TAILLEART, N. R. - HUANG, R. - ABURADA, T. - HORTON, D. J. - SCULLY, J. R. Effect of thermally induced relaxation on passivity and corrosion of an amorphous Al-Co-Ce alloy. In CORROSION SCIENCE. ISSN 0010-938X, 2012, vol. 59, pp. 238., WOS

[1.1] UPOROV, S. A. - BYKOV, V. A. - YAGODIN, D. A. Thermophysical properties of the Al₈₃Co₁₀Ce₇ glass-forming alloy in crystalline and liquid states. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2014, vol. 589, pp. 420., WOS

ADCA250 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] ISSA, A.- SAAL, J.E.- WOLVERTON, C. In ACTA MATERIALIA, 2014, vol. 65, pp. 240-250., WOS

[1.1] JI, Y.Z. et al. In ACTA MATERIALIA, 2014, vol. 76, pp. 259-271., WOS

[1.1] LI, Y. In JOURNAL OF PHASE EQUILIBRIA AND DIFFUSION, 2014, vol. 35, pp. 276-283., WOS

[1.1] MACWAN, A. et al. In MATERIALS AND DESIGN, 2014M vol. 62,

pp. 344-351., WOS

[1.1] RAGHAVAN, V. Al-Nd-Si (Aluminium-Neodymium-Silicon). In JOURNAL OF PHASE EQUILIBRIA AND DIFFUSION, vol. 33, 2012, pp. 66-67., WOS

[1.1] VANDARKUZHALI, S. et al. In ELECTROCHIMICA ACTA, 2014, vol. 145, pp. 86-98., WOS

ADCA251 GATTRINGER, Ch. - LIPTÁK, Ľudovít. Energy density for chiral lattice fermions with chemical potential. In *Physical Review D.*, 2007, vol. 76, 054502. ISSN 1550-7998.

Ohlasy:

[1.1] HEGDEA, P. Cutoff effects in lattice actions at $A \mu \neq 0$. In INDIAN JOURNAL OF PHYSICS, 2011, vol. 85, no. 1, p. 129-134., WOS

[1.1] NARAYANAN, R.-SHARMA, S. Introduction of the chemical potential in the overlap formalism. In JOURNAL OF HIGH ENERGY PHYSICS, 2011, vol. 10, 151., WOS

[3.1] GAVAI, R.V.- SHARMA, S. On curing the divergences in the quark number susceptibility. In PROC. SCI. LATTICE 2014 (2014), 189.

ADCA252 GENDIAR, Andrej - DANIŠKA, M. - LEE, Y. - NISHINO, T. Suppression of finite-size effects in one-dimensional correlated systems. In *Physical Review A*, 2011, vol. 83, no. 5, 052118. (2.861 - IF2010). (2011 - Current Contents). ISSN 1050-2947.

Ohlasy:

[1.1] HIKIHARA, Toshiya - SUZUKI, Takafumi. Long-distance entanglement in one-dimensional quantum systems under sinusoidal deformation. In PHYSICAL REVIEW A. ISSN 1050-2947, 2013, vol. 87, no. 4, 042337., WOS

[1.1] HOTTA, C. - SHIBATA, N. In PHYSICAL REVIEW B. JUL 24 2012, vol. 86, no. 4., WOS

[1.1] HOTTA, Chisa - NISHIMOTO, Satoshi - SHIBATA, Naokazu. Grand canonical finite size numerical approaches in one and two dimensions: Real space energy renormalization and edge state generation. In PHYSICAL REVIEW B. ISSN 1098-0121, 2013, vol. 87, no. 11, 115128., WOS

[1.1] CHEN, A.H. - GAO, X.L. In PHYSICAL REVIEW B. APR 10 2012, vol. 85, no. 13., WOS

[1.1] KATSURA, H. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. MAR 23 2012, vol. 45, no. 11., WOS

[1.1] MARUYAMA, Isao - KATSURA, Hosho - HIKIHARA, Toshiya. Sine-square deformation of free fermion systems in one and higher dimensions. In PHYSICAL REVIEW B, 2011, vol.84, no.16, 165132., WOS

[1.1] NEBENDAHL, V. - DUER, W. Improved numerical methods for infinite spin chains with long-range interactions. In PHYSICAL REVIEW B. ISSN 1098-0121, 2013, vol. 87, no. 7, 075413., WOS

[1.1] SHIBATA, Naokazu - HOTTA, Chisa. Boundary effects in the density-matrix renormalization group calculation. In PHYSICAL REVIEW B, 2011, vol.84, no.11, 115116., WOS

ADCA253 GIANNAZZO, F. - EYBEN, P. - BARANOWSKI, J. - CAMASSEL, J. -
LÁNYI, Štefan. Advanced materials nanocharacterization. In *Nanoscale Research Letters*, 2011, vol. 6, p. 107. ISSN 1556-276X.

Ohlasy:

[1.1] SU, Yuanjie - ZHANG, Peng - JIANG, Jing - LI, Shibin - WU, Zhiming - JIANG, Yadong. Absorption enhancement of near infrared in Te doped nanoporous silicon. In *JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS*. ISSN 0957-4522, 2013, vol. 24, no. 7, pp. 2197-2201., WOS

ADCA254 GMUCA, Štefan - RIBANSKÝ, I. Efficiency calibration of Ge/Li detectors in close geometry. In *Nuclear Instruments Methods*, 1982, vol. 202, p. 435.

Ohlasy:

[1.2] AKSOY, A. Efficiency inter-comparison measurements of medium and large volume HPGe detectors in far and close geometries. In *Arabian Journal for Science and Engineering*, 2011, vol.36, no.1, 131-136., SCOPUS

ADCA255 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.

Ohlasy:

[1.1] BISWAL, Subrata Kumar - PATRA, Suresh Kumar. Isoscalar giant monopole resonance for drip-line and super heavy nuclei in the framework of relativistic mean field formalism with scaling calculation. In *CENTRAL EUROPEAN JOURNAL OF PHYSICS*. ISSN 1895-1082, 2014, vol. 12, no. 8, pp. 582-596., WOS

[1.1] DUTRA, M. - LOURENCO, O. - AVANCINI, S. S. - CARLSON, B. V. - DELFINO, A. - MENEZES, D. P. - PROVIDENCIA, C. - TYPEL, S. - STONE, J. R. Relativistic mean-field hadronic models under nuclear matter constraints. In *PHYSICAL REVIEW C*. ISSN 0556-2813, 2014, vol. 90, no. 5, 055203., WOS

[1.1] SAHU, B. B. - SINGH, S. K. - BHUYAN, M. - PATRA, S. K. - KUMAR, S - JAIN, AK. The Relativistic Lagrangian: Nucleon-Nucleon Potential. In *INTERNATIONAL CONFERENCE ON RECENT TRENDS IN NUCLEAR PHYSICS-2012 (ICRTNP-2012)*. ISSN 0094-243X, 2013, vol. 1524, pp. 3-6., WOS

[1.1] SAHU, B. B. - SINGH, S. K. - BHUYAN, M. - PATRA, S. K. The effect of nonlinearity in relativistic nucleon-nucleon potential. In *PRAMANA-JOURNAL OF PHYSICS*. ISSN 0304-4289, 2014, vol. 82, no. 4, pp. 637-647., WOS

[1.1] SAHU, B. B. - SINGH, S. K. - BHUYAN, M. - BISWAL, S. K. - PATRA, S. K. Importance of nonlinearity in the NN potential. In *PHYSICAL REVIEW C*. ISSN 0556-2813, 2014, vol. 89, no. 3, 034614., WOS

[1.1] SINGH, Shailesh K. - BISWAL, S. K. - BHUYAN, M. - PATRA, S. K. Effects of delta mesons in relativistic mean field theory. In *PHYSICAL REVIEW C*. ISSN 0556-2813, 2014, vol. 89, no. 4, 055201., WOS

[1.1] SINGH, Shailesh K. - BISWAL, S. K. - BHUYAN, M. - PATRA, S. K. Effect of isospin asymmetry in a nuclear system. In *JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS*. ISSN 0954-3899, 2014, vol. 41, no. 5, 055201., WOS

[1.1] SINGH, S. K. - BHUYAN, M. - PANDA, P. K. - PATRA, S. K. The effect of isoscalar-isovector coupling in infinite nuclear matter. In JOURNAL OF PHYSICS G. ISSN 0954-3899, 2013, vol. 40, no. 8, 085104., WOS

ADCA256 GMUCA, Štefan - KOTULIČ BUNTA, Juraj. Nuclear symmetry energy constraints for RMF calculations of superheavy nuclei. In *Nuclear Physics A*, 2004, vol. 734, p. 172-175. (1.761 - IF2003). (2004 - Current Contents, WOS, SCOPUS). ISSN 0375-9474.

Ohlasy:

[1.1] AGRAWAL, B. K. - SULAKSONO, A. - REINHARD, P.G. Optimization of relativistic mean field model for finite nuclei to neutron star matter. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2012, vol. 882, pp. 1-20., WOS

ADCA257 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.

Ohlasy:

[1.1] BISWAL, Subrata Kumar - PATRA, Suresh Kumar. Isoscalar giant monopole resonance for drip-line and super heavy nuclei in the framework of relativistic mean field formalism with scaling calculation. In CENTRAL EUROPEAN JOURNAL OF PHYSICS. ISSN 1895-1082, 2014, vol. 12, no. 8, pp. 582-596., WOS

[1.1] DUTRA, M. - LOURENCO, O. - AVANCINI, S. S. - CARLSON, B. V. - DELFINO, A. - MENEZES, D. P. - PROVIDENCIA, C. - TYPEL, S. - STONE, J. R. Relativistic mean-field hadronic models under nuclear matter constraints. In PHYSICAL REVIEW C. ISSN 0556-2813, 2014, vol. 90, no. 5, 055203., WOS

[1.1] SAHU, B. B. - SINGH, S. K. - BHUYAN, M. - BISWAL, S. K. - PATRA, S. K. Importance of nonlinearity in the NN potential. In PHYSICAL REVIEW C. ISSN 0556-2813, 2014, vol. 89, no. 3, 034614., WOS

[1.1] SANTOS, B. M. - DUTRA, M. - LOURENCO, O. - DELFINO, A. Correlations between the nuclear matter symmetry energy, its slope, and curvature from a nonrelativistic solvable approach and beyond. In PHYSICAL REVIEW C. ISSN 0556-2813, 2014, vol. 90, no. 3, 035203., WOS

ADCA258 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.

Ohlasy:

[1.1] BISWAL, Subrata Kumar - PATRA, Suresh Kumar. Isoscalar giant monopole resonance for drip-line and super heavy nuclei in the framework of relativistic mean field formalism with scaling calculation. In CENTRAL EUROPEAN JOURNAL OF PHYSICS. ISSN 1895-1082, 2014, vol. 12, no. 8, pp. 582-596., WOS

ADCA259 GMUCA, Štefan. Superheavy nuclei in the RMF framework. In *Acta Physica Hungarica*. New series. Heavy ion physics, 2004, vol. 19, no. 1-2, p. 155-160. ISSN 1219-7580.

Ohlasy:

[1.1] AGRAWAL, B. K. - SULAKSONO, A. - REINHARD, P.G. Optimization of relativistic mean field model for finite nuclei to neutron star matter. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2012, vol. 882, pp. 1-20., WOS

[1.1] BROWNE, E. - TULI, J. K. Nuclear Data Sheets for A=246. In NUCLEAR DATA SHEETS, 2011, vol.112, no.7, 1833-1873., WOS

ADCA260 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. (1.410 - IF2007). (2008 - Current Contents). ISSN 0169-4332.

Ohlasy:

[1.1] HORVATH, B. - SUSTEK, M. - VAVRA, I. - MICUSIK, M. - GAL, M. - HRONEC, M. Gas-phase epoxidation of propylene over iron-containing catalysts: the effect of iron incorporation in the support matrix. In CATALYSIS SCIENCE & TECHNOLOGY. ISSN 2044-4753, 2014, vol. 4, no. 8, p. 2664-2673., WOS

ADCA261 GMUCOVÁ, Katarína - HARTMANOVÁ, Mária - KUNDRAČÍK, F. Charge distribution at interface and in bulk of YSZ thin films deposited on Si substrate. In *Ceramics International*, 2006, vol. 32, p. 105-109. ISSN 0272-8842.

Ohlasy:

[1.2] GERSTL, M. - NAVICKAS, E. - FRIEDBACHER, G. - KUBEL, F. - AHRENS, M. - FLEIG, J. The separation of grain and grain boundary impedance in thin yttria stabilized zirconia (YSZ) layers. In *Solid State Ionics*, 2011, vol.185, no.1, 32-41., SCOPUS

[1.2] KUO, C.-G. - HUANG, H.-H. - YANG, C.-F. Effects of the oxygen pressure on the crystalline orientation and strains of YSZ thin films prepared by E-beam PVD. In *Ceramics International*, 2011, vol.37, no.6, 2037-2041., SCOPUS

ADCA262 GMUCOVÁ, Katarína. Investigation of the background in the spectrum of an MOS structure obtained by correlated DLTS. In *Solid-State Electronics*, 1992, vol. 35, no. 8, p. 1197-1199. (0.850 - IF1991). (1992 - Current Contents). ISSN 0038-1101.

Ohlasy:

[1.1] SIMOEN, Eddy - LIN, Dennis Han-Chung - ALIAN, A. - BRAMMERTZ, G. - MERCKLING, C. - MITARD, J. - CLAEYS, Cor. Border Traps in Ge/III-V Channel Devices: Analysis and Reliability Aspects. In IEEE TRANSACTIONS ON DEVICE AND MATERIALS RELIABILITY. ISSN 1530-4388, 2013, vol. 13, no. 4, pp. 444-455., WOS

[3.1] SCARPINO, M. et al. : Impact of Pre- and Post-Growth Treatment on the Low-Frequency Noise of InGaAs nMOSFETs. In ECS TRANSACTIONS, 2014, vol. 60, no. 1, pp. 115-120.

ADCA263 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 volt-coulometry. In *Journal of Biochemical and Biophysical Methods*, 2007, vol. 70, no. 3, pp. 385-390. (1.403 - IF2006). ISSN 0165-022X.

Ohlasy:

[1.1] ADAMS, K.L. - JENA, B.K. - PERCIVAL, S.J. - ZHANG, B. Highly sensitive detection of exocytotic dopamine release using a gold-nanoparticle-network microelectrode. In *Analytical Chemistry*, 2011, vol.83, no.3, 920-927., WOS

ADCA264 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. ISSN 0022-0728.

Ohlasy:

[3] Kelvii Wei Guo. Chapter 18: An overview of green nanotechnology. In *BIO-NANOTECHNOLOGY: A REVOLUTION IN FOOD, BIOMEDICAL AND HEALTH SCIENCES*. Editors Debasis Bagchi, Monashi Bagchi, Hirovoshi Morivama and Fereidoon Shahidi. ISBN 978-1-1184-5193-9. Wiley-Blackwell: 2012, pp. 311-354.

[3] Nanoparticles. Chapter 94. In *ADVANCES IN NANOTECHNOLOGY RESEARCH AND APPLICATION*. Editor Q. Ashton Acton. Atlanta: ScholarlyEditions, 2012. 14170 p.

[3.1] Kelvii Wei Guo. Green bionanotechnology for human health. In *NANOTECHNOLOGY RESEARCH JOURNAL*. ISSN: 1935-2484. 2014, vol. 7, no. 3-4, pp. 307-356.

ADCA265 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, p. 1036-1039. ISSN 1439-4235.

Ohlasy:

[1.1] PARANG, Z. - KESHAVARZ, A. - FARAHI, S. - ELAHI, S. M. - GHORANNEVISS, M. - NASSERI, A. PREPARATION AND INVESTIGATION OF OPTICAL, THERMAL, AND ELECTROCHEMICAL PROPERTIES OF Ag/Co NANOPARTICLES. In *NANO*. ISSN 1793-2920, 2012, vol. 7, no. 2, 1250006., WOS

[3.1] HOLGER EICHHORN S.- YU, JONATHAN K. Chapter 8: Directed assembly and self-organization of metal nanoparticles in two and three dimensions. In *ANISOTROPIC NANOMATERIALS, PREPARATION, PROPERTIES AND APPLICATIONS*. Ed. by Quan Li. Springer Cham, Heidelberg/New York/Dordrecht/London 2014. ISBN 978-3-319-18292-6.

ADCA266 GMUCOVÁ, Katarína - THURZO, Ilja - ORLICKÝ, J. - PAVLÁSEK, J. Sensitivity enhancement in double-step volt-coulometry as a consequence of the changes in redox kinetics on the microelectrode exposed to low frequency sound. In *Electroanalysis*, 2002, vol. 14, no. 13, p. 943-948.

Ohlasy:

[1.1] SRIVASTAV, Shruti - DHILLON, Shweta - KUMAR, Ratnesh - KANT, Rama. Experimental Validation of Roughness Power Spectrum-Based Theory of Anomalous Cottrell Response. In *JOURNAL OF PHYSICAL CHEMISTRY C*. ISSN 1932-7447, 2013, vol. 117, no. 17, pp. 8594-8603., WOS

ADCA267 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. (7.370 - IF2011). (2012 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Ohlasy:

- [1.1] AFANASIEV, A.V. In *PHYSICAL REVIEW C*, 2013, vol. 88, no. 1, 014320., WOS
- [1.1] BENDER, M. In *JOURNAL OF PHYSICS CONFERENCE SERIES*, 2013, vol. 420, 012002., WOS
- [1.1] FU, X.M. et al. In *PHYSICAL REVIEW C*, 2014, vol. 89, 054301., WOS
- [1.1] GREENLEES, P.T. In *PHYSICA SCRIPTA*, 2013, T152, 014016., WOS
- [1.1] LIU, H.L.- WALKER, P.M.- XU, F.R. In *PHYSICAL REVIEW C*, 2014, vol. 89, 044304., WOS
- [1.1] LIU, H.- XU, F. In *CHINESE SCIENCE BULLETIN*, 2014, vol. 59, pp. 11-15., WOS
- [1.1] PRASSA, V. In *PHYSICAL REVIEW C*, 2013, vol. 88, no. 4, 044324., WOS
- [1.1] RISSANEN, J. In *PHYSICAL REVIEW C*, 2013, vol. 88, no: 4, 044313., WOS
- [1.1] SHI, Y.- DOBACZEWSKI, J.- GREENLEES, P.T. In *PHYSICAL REVIEW C*, 2014, vol. 89, 034309., WOS
- [1.1] WANG, H.-L. et al. In *CHINESE PHYSICS C*, 2014, vol. 38M 074101., WOS
- [1.1] ZHANG, Z.H. In *PHYSICAL REVIEW C*, 2013, vol. 87, no. 5, 054308., WOS
- [1.1] ZHOU, Z. et al. In *CHINESE SCIENCE BULLETIN*, 2014, vol. 59, pp. 3853., WOS

ADCA268 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.

Ohlasy:

- [1.1] CUCCHIERI, Attilio - MENDES, Tereza. Ghost sector and geometry in minimal Landau gauge: Further constraining the infinite-volume limit. In *PHYSICAL REVIEW D*. ISSN 1550-7998, 2013, vol. 88, no. 11, 114501., WOS
- [1.1] DE LEMOS, A. L. L. - OXMAN, L. E. - TEIXEIRA, B. F. I. Derivation of an Abelian effective model for instanton chains in 3D Yang-Mills theory. In *PHYSICAL REVIEW D*. ISSN 1550-7998, 2012, vol. 85, no. 12,

125014., WOS

[1.1] FOSCO, C. D. - OXMAN, L. E. A non Abelian effective model for ensembles of magnetic defects in 3D Yang-Mills theory. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2013, vol. 46, no. 33, 335401., WOS

[1.1] HOLDOM, B. From confinement to dark energy. In PHYSICS LETTERS B, 2011, vol. 697, p. 351-356., WOS

[1.1] IRITANI, Takumi - SUGANUMA, Hideo. Lattice QCD analysis for Faddeev-Popov eigenmodes in terms of gluonic momentum components in the Coulomb gauge. In PHYSICAL REVIEW D. ISSN 1550-7998, 2012, vol. 86, no. 7, 074034., WOS

[1.1] IRITANI, Takumi - SUGANUMA, Hideo. Lattice QCD analysis of the Polyakov loop in terms of Dirac eigenmodes. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS. ISSN 2050-3911, 2014, no. 3, 033b03., WOS

[1.1] KOJO, Toru - HIDAKA, Yoshimasa - FUKUSHIMA, Kenji - MCLERRAN, Larry D. - PISARSKI, Robert D. Interweaving chiral spirals. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2012, vol. 875, pp. 94-138., WOS

[1.1] MAAS, Axel. Accessing directly the properties of fundamental scalars in the confinement and Higgs phase. In EUROPEAN PHYSICAL JOURNAL C, 2011, vol.71, no.2, p. 1548., WOS

[1.1] MAAS, Axel. Gauge bosons at zero and finite temperature. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, 2013, vol. 524, no. 4, pp. 203., WOS

[1.1] MAAS, Axel. On the gauge-algebra dependence of Landau-gauge Yang-Mills propagators. In JOURNAL OF HIGH ENERGY PHYSICS, 2011, no.2, 076., WOS

[1.1] NAKAGAWA, Y. - NAKAMURA, A. - SAITO, T. - TOKI, H. Scaling study of the gluon propagator in Coulomb gauge QCD on isotropic and anisotropic lattices. In PHYSICAL REVIEW D, 2011, vol.83, no.11, 114503., WOS

[1.2] BOUCAUD, P. - LEROY, J.P. - LE YAOUANC, A. - MICHELI, J. - PÈNE, O. - RODRÍGUEZ-QUINTERO, J. The Infrared Behaviour of the Pure Yang-Mills Green Functions. In Few-Body Systems, 2012, 53, 3-4, pp. 387-436., SCOPUS

[1.2] CAPRI, M.A.L. at all. A study of the zero modes of the Faddeev-Popov operator. In EUROPEAN PHYSICAL JOURNAL C, 2012, vol. 72, pp. 1939., SCOPUS

[3] FOSCO, C.D.-OXMAN, L.E. A non Abelian effective model for correlated monopoles and center vortices in QCD3. In PREPRINT/HEP-TH, 1104.3553, 2011.

[3] MAAS, A. Describing gauge bosons at zero and finite temperature. In PREPRINT/ HEP-PH, 1106.3942, 2011.

[3.1] DOGRA, Rajan. Existence of mass-gap and pure Yang-Mills theory. In PREPRINT /ACADEMIA.EDU/7886978, 2014.

ADCA269 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, 074506. ISSN 1550-7998.

Ohlasy:

- [1.1] ALKOFER, Reinhard - MITTER, Mario - SCHAEFER, Bernd-Jochen - BIRO, TS - BARNAFOLDI, GG. QCD Green's Functions and Phases of Strongly-Interacting Matter. In HCBM 2010 INTERNATIONAL WORKSHOP ON HOT AND COLD BARYONIC MATTER, 2011, vol.13, no. 01002., WOS
- [1.1] CAPRI, M. A. L. - DUDAL, D. - GOMEZ, A. J. - GUIMARAES, M. S. - JUSTO, I. F. - SORELLA, S. P. - VERCAUTEREN, D. Semiclassical analysis of the phases of 4d SU(2) Higgs gauge systems with cutoff at the Gribov horizon. In PHYSICAL REVIEW D. ISSN 1550-7998, 2013, vol. 88, no. 8, 085022., WOS
- [1.1] CAPRI, M. A. L. - DUDAL, D. - GUIMARAES, M. S. - JUSTO, I. F. - SORELLA, S. P. - VERCAUTEREN, D. The (IR-)relevance of the Gribov ambiguity in SU(2) x U(1) gauge theories with fundamental Higgs matter. In ANNALS OF PHYSICS. ISSN 0003-4916, 2014, vol. 343, pp. 72-86., WOS
- [1.1] GOLTERMAN, Maarten - GREENSITE, Jeff - PERIS, Santiago - SZCZEPANIAK, Adam P. Gribov horizon and the one-loop color-Coulomb potential. In PHYSICAL REVIEW D. ISSN 1550-7998, 2012, vol. 85, no. 8, 085016., WOS
- [1.1] GRADY, Michael. Direct evidence for a Coulombic phase in monopole-suppressed SU(2) lattice gauge theory. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2013, vol. 876, no. 3, pp. 794., WOS
- [1.1] GRADY, Michael. TOWARD A PROOF OF LONG RANGE ORDER IN 4D SU(N) LATTICE GAUGE THEORY. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2013, vol. 28, no. 19, 1350087., WOS
- [1.1] CHERNODUB, M. N. - NAKAGAWA, Y. - NAKAMURA, A. - SAITO, T. - ZAKHAROV, V. I. Gluon propagators and center vortices in gluon plasma. In PHYSICAL REVIEW D, 2011, vol.83, no.11, 114501., WOS
- [1.1] IRITANI, Takumi - SUGANUMA, Hideo. Instantaneous interquark potential in generalized Landau gauge in SU(3) lattice QCD: A linkage between the Landau and the Coulomb gauges. In PHYSICAL REVIEW D, 2011, vol.83, no.5, 054502., WOS
- [1.1] IRITANI, Takumi - SUGANUMA, Hideo. Lattice QCD analysis for Faddeev-Popov eigenmodes in terms of gluonic momentum components in the Coulomb gauge. In PHYSICAL REVIEW D. ISSN 1550-7998, 2012, vol. 86, no. 7, 074034., WOS
- [1.1] IRITANI, Takumi - SUGANUMA, Hideo. Lattice QCD analysis of the Polyakov loop in terms of Dirac eigenmodes. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS. ISSN 2050-3911, 2014, no. 3, 033B03, WOS
- [1.1] KOJO, Toru - HIDAKA, Yoshimasa - FUKUSHIMA, Kenji - MCLERRAN, Larry D. - PISARSKI, Robert D. Interweaving chiral spirals. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2012, vol. 875, pp. 94-138., WOS
- [1.1] LANDIM, R. R. - LEMES, V. E. R. - VENTURA, O. S. - VILAR, L. C. Q. Revisiting Gribov's copies inside the horizon. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2014, vol. 74, no. 11, 3069., WOS
- [1.1] MAAS, Axel - MUFTI, Tajdar. Two- and three-point functions in Landau gauge Yang-Mills-Higgs theory. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2014, no. 4, 006., WOS
- [1.1] MAAS, Axel. Gauge bosons at zero and finite temperature. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN

0370-1573, 2013, vol. 524, no. 4, pp. 203., WOS

[1.1] PAK, M. - REINHARDT, H. Chiral symmetry breaking in Hamiltonian QCD in Coulomb gauge. In PHYSICS LETTERS B. ISSN 0370-2693, 2012, vol. 707, no. 5, pp. 566., WOS

[1.1] REINHARDT, H. - CAMPAGNARI, D. R. - SZCZEPANIAK, A. P. Variational approach to Yang-Mills theory at finite temperatures. In PHYSICAL REVIEW D, 2011, vol.84, no.4, 045006., WOS

[1.1] SUGANUMA, H. - IRITANI, T. - OKIHARU, F. - TAKAHASHI, T. - YAMAMOTO, A. - HOSAKA, A - KHEMCHANDANI, K - NAGAHIRO, H - NAWA, K. Lattice QCD Study for Confinement in Hadrons. In INTERNATIONAL CONFERENCE ON THE STRUCTURE OF BARYONS (BARYONS '10), 2011, vol.1388, p. 195-201., WOS

[1.1] SZCZEPANIAK, Adam P. - REINHARDT, Hugo. Schwinger-Dyson equations and disorder. In PHYSICAL REVIEW D, 2011, vol.84, no.5, 056011., WOS

[1.1] YEPEZ-MARTINEZ, Tochtli - SZCZEPANIAK, Adam P. - REINHARDT, Hugo. Coulomb gauge Yang-Mills theory at finite temperatures: Glueballs versus quasi-gluons. In PHYSICAL REVIEW D. ISSN 1550-7998, 2012, vol. 86, no. 7, 076010., WOS

[3] CAPRI, M.A.L. at all. Semiclassical analysis of the phases of 4dSU(2) Higgs gauge systems with cutoff at the Gribov horizon. In PREPRINT HEP-TH/1212.1003, 2012.

[3] GRADY, M. Connecting phase transitions between the 3-d 0(4) Heisenberg model. In PREPRINT/HEP-LAT, 1104.3331, 2011.

[3] LEDER, M. Renormalization group flows of Hamiltonian QCD. In PhD THESIS, EBERHARD-KARLS-UNIVERSITY, 2011.

[3] VANDERSICKEL, N. A study of the Gribov-Zwanziger action. In PhD THESIS, GHENT UNIVERSITY, 2011.

[3.1] DOGRA, Rajan. Existence of mass-gap and pure Yang-Mills theory. In PREPRINT ACADEMIA.EDU/ 7886978, 2014.

ADCA270 GREENSITE, Jeff - OLEJNÍK, Štefan. Coulomb energy , vortices and confinement. In *Physical Review D*, 2003, vol. 67, p. 094503.

Ohlasy:

[1.1] AGUILAR, A. C. - PAPA VASSILIOU, J. Chiral symmetry breaking with lattice propagators. In PHYSICAL REVIEW D, 2011, vol.83, no.1, 014013., WOS

[1.1] BOUCAUD, P. The infrared behaviour of the pure Yang-Mills green functions. In FEW-BODY SYSTEMS, 2012, vol. 53, no. 3-4, p. 387-436., WOS

[1.1] BURGIO, G. - QUANDT, M. - REINHARDT, H. Ghost propagator and the Coulomb form factor from the lattice. In PHYSICAL REVIEW D. ISSN 1550-7998, 2012, vol. 86, no. 4, 045029., WOS

[1.1] GONZALEZ, P. - MATHIEU, V. - VENTO, V. Heavy meson interquark potential. In PHYSICAL REVIEW D, 2011, vol.84, no.11, 114008., WOS

[1.1] GRADY, Michael. Direct evidence for a Coulombic phase in monopole-suppressed SU(2) lattice gauge theory. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2013, vol. 876, no. 3, pp. 794., WOS

[1.1] GUO, Peng - YEPEZ-MARTINEZ, Tochtli - SZCZEPANIAK, Adam P. Charmonium meson and hybrid radiative transitions. In PHYSICAL REVIEW

- D. ISSN 1550-7998, 2014, vol. 89, no. 11, 116005., WOS
- [1.1] CHERNODUB, M. N. - NAKAGAWA, Y. - NAKAMURA, A. - SAITO, T. - ZAKHAROV, V. I. Gluon propagators and center vortices in gluon plasma. In PHYSICAL REVIEW D, 2011, vol.83, no.11, 114501., WOS
- [1.1] IRITANI, Takumi - SUGANUMA, Hideo. Instantaneous interquark potential in generalized Landau gauge in SU(3) lattice QCD: A linkage between the Landau and the Coulomb gauges. In PHYSICAL REVIEW D, 2011, vol.83, no.5, 054502., WOS
- [1.1] IRITANI, Takumi - SUGANUMA, Hideo. Lattice QCD analysis for Faddeev-Popov eigenmodes in terms of gluonic momentum components in the Coulomb gauge. In PHYSICAL REVIEW D. ISSN 1550-7998, 2012, vol. 86, no. 7, 074034., WOS
- [1.1] IRITANI, Takumi - SUGANUMA, Hideo. Lattice QCD analysis of the Polyakov loop in terms of Dirac eigenmodes. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS. ISSN 2050-3911, 2014, no. 3, 033B03., WOS
- [1.1] NAKAGAWA, Y. - NAKAMURA, A. - SAITO, T. - TOKI, H. Scaling study of the gluon propagator in Coulomb gauge QCD on isotropic and anisotropic lattices. In PHYSICAL REVIEW D, 2011, vol.83, no.11, 114503., WOS
- [1.1] OSTRANDER, A. - SANTOPINTO, E. - SZCZEPANIAK, A. P. - VASSALLO, A. Gluon chain formation in presence of static charges. In PHYSICAL REVIEW D. ISSN 1550-7998, 2012, vol. 86, no. 11, 114015., WOS
- [1.1] PAK, M. - GLOZMAN, L. Ya. Effect of transverse gluons on chiral restoration in excited mesons. In PHYSICAL REVIEW D. ISSN 1550-7998, 2013, vol. 88, no. 7, 076010., WOS
- [1.1] PAK, M. - REINHARDT, H. Quark sector of the QCD groundstate in Coulomb gauge. In PHYSICAL REVIEW D. ISSN 1550-7998, 2013, vol. 88, no. 12, 125021., WOS
- [1.1] SAULI, V. Bethe-Salpeter study of radially excited vector quarkonia. In PHYSICAL REVIEW D. ISSN 1550-7998, 2012, vol. 86, no. 9, 096004., WOS
- [1.1] SUGANUMA, H. - IRITANI, T. - OKIHARU, F. - TAKAHASHI, T. - YAMAMOTO, A. - HOSAKA, A - KHEMCHANDANI, K - NAGAHIRO, H - NAWA, K. Lattice QCD Study for Confinement in Hadrons. In AIP CONFERENCE PROCEEDINGS, 2011, vol.1388, p. 195-201., WOS
- [1.1] SZCZEPANIAK, A.P. Low energy hadron phenomenology. In EPJ WEB OF CONFERENCES, 2014, vol. 73, 01015., WOS
- [1.1] TURSUNOV, E. M. - KREWALD, S. Spectrum of the excited N^* and Δ^* baryons in a relativistic chiral quark model. In PHYSICAL REVIEW D. ISSN 1550-7998, 2014, vol. 90, no. 7, 074015., WOS
- [1.1] TURSUNOV, E.M.- KREWALD, S. Spectrum of the excited N^* and Δ^* baryons in a relativistic chiral quark model. In INTERNATIONAL JOURNAL OF MODERN PHYSICS: CONFERENCE SERIES, 2014, vol. 26, 1460118., WOS
- [1.1] VENTO, V. Confinement, the gluon propagator and the interquark potential for heavy mesons. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2013, vol. 49, no. 6, 71., WOS
- [1.1] VENTO, V.-GONZALES, P.-MATHIEU, V. Heavy meson interquark potential. In PROCEEDINGS OF SCIENCE-QCD-TNT-II, 2011, p. 048., WOS
- [3] FRASCA, M. Beyond one-gluon exchange in the infrared limit of

Yang-Mills theory. In PREPRINT/HEP-PH 1110.2297, 2011.

[3] GONZALES, P.-VENTO, V.-MATHIEU, V. Non perturbative one gluon exchange potential from Dyson-Schwinger equations. In PREPRINT/HEP-PH 1207.4314, 2012.

[3] GRADY, M. Connecting phase transitions. In PREPRINT/HEP-LAT 1104.3331, 2011.

[3] SAULI, V. Intriguing solutions of Bethe-Salpeter equation for radially excited pseudoscalar charmonia In PREPRINT/HEP-PH 1207.2621, 2012.

[3] TURSUNOV, E.M. The spectrum of the excited N and baryons in a relativistic chiral quark model. In PREPRINT/HEP-PH 1204.0412, 2012.

[3] VOGT, H.-BURGIO, G.-QUANDT, M. Coulomb gauge on the lattice: From zero to finite temperature. In LATTICE 2013 (Proceedings of Science-LATTICE 2013, SISSA, 2013), p. 363.

ADCA271 GREENSITE, Jeff - OLEJNÍK, Štefan. k-string tensions and center vortices at large N. In *Journal of High Energy Physics*, 2002, vol. 09, p. 0-22. ISSN 1029-8479. Ohlasy:

[1.1] COHEN, Thomas D. Center symmetry and area laws. In PHYSICAL REVIEW D. ISSN 1550-7998, 2014, vol. 90, no. 4, 047703., WOS

[1.1] ENGELHARDT, M. Center vortex model for the infrared sector of SU(3) Yang-Mills theory: Topological susceptibility. In PHYSICAL REVIEW D, 2011, vol.83, no.2, 025015., WOS

[1.1] KARCZMAREK, Joanna L. - SEMENOFF, Gordon W. - YANG, Shuhang. Comments on k-strings at large N. In JOURNAL OF HIGH ENERGY PHYSICS, 2011, no.3, 075., WOS

[1.1] NAVJOT HOTHI- SHUCHI BISHT. Relation of the string tension among quarks with various distinctive features of QCD. In ELECTRONIC JOURNAL OF THEORETICAL PHYSICS, 2013, vol. 10, pp. 81-100., WOS

ADCA272 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. ISSN 1550-7998.

Ohlasy:

[1.1] BONATI, Claudio - COSSU, Guido - DI GIACOMO, Adriano. Disorder parameter of dual superconductivity in QCD revisited. In PHYSICAL REVIEW D. ISSN 1550-7998, 2012, vol. 85, no. 6, 065001., WOS

[1.1] DELDAR, Sedigheh - LOOKZADEH, Hadi - NEJAD, Seyed Mohsen Hosseini - LLANESESTRADA, FJ - PELAEZ. Center vortex model and the G(2) gauge group. In IX INTERNATIONAL CONFERENCE ON QUARK CONFINEMENT AND THE HADRON SPECTRUM (QCHS IX), 2011, vol.1343,p. 224., WOS

[1.1] DELDAR, S. - LOOKZADEH, H. - NEJAD, S. M. Hosseini. Confinement in G(2) gauge theories using the thick center vortex model and domain structures. In PHYSICAL REVIEW D. ISSN 1550-7998, 2012, vol. 85, no. 5, 054501., WOS

[1.1] DIAKONOV, Dmitri - PETROV, Victor - LLANESESTRADA, FJ - PELAEZ. Confinement and deconfinement for any gauge group from dyons viewpoint. In IX INTERNATIONAL CONFERENCE ON QUARK

- CONFINEMENT AND THE HADRON SPECTRUM (QCHS IX), 2011, vol.1343, p. 69., WOS
- [1.1] DUMITRU, Adrian - GUO, Yun - HIDAKA, Yoshimasa - ALTES, Chris P. Korthals - PISARSKI, Robert D. Effective matrix model for deconfinement in pure gauge theories. In PHYSICAL REVIEW D. ISSN 1550-7998, 2012, vol. 86, no. 10, 105017., WOS
- [1.1] DUMITRU, Adrian - GUO, Yun - ALTES, Chris P. Korthals. Two-loop perturbative corrections to the thermal effective potential in gluodynamics. In PHYSICAL REVIEW D. ISSN 1550-7998, 2014, vol. 89, no. 1, 016009., WOS
- [1.1] ENGELHARDT, M. Center vortex model for the infrared sector of SU(3) Yang-Mills theory: Topological susceptibility. In PHYSICAL REVIEW D, 2011, vol.83, no.2, 025015., WOS
- [1.1] FUREY, Cohl. Generations: three prints, in colour. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2014, vol., no. 10, 046., WOS
- [1.1] ILGENFRITZ, Ernst-Michael - MAAS, Axel. Topological aspects of G(2) Yang-Mills theory. In PHYSICAL REVIEW D. ISSN 1550-7998, 2012, vol. 86, no. 11, 114508., WOS
- [1.1] LOOKZADEH, Hadi - DELDAR, Sedigheh. Interaction between multi-component vortices at arbitrary distances using a variational method in the Ginzburg-Landau theory. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2014, vol. 74, no. 10, 3093., WOS
- [1.1] LUCINI, Biagio - PANERO, Marco. SU(N) gauge theories at large N. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, 2013, vol. 526, no. 2, pp. 93., WOS
- [1.1] LUCINI, Biagio - PANERO, Marco. Introductory lectures to large-N QCD phenomenology and lattice results. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2014, vol. 75, pp. 1-40., WOS
- [1.1] MAAS, Axel - VON SMEKAL, Lorenz - WELLEGEHAUSEN, Bjoern - WIPF, Andreas. Phase diagram of a gauge theory with fermionic baryons. In PHYSICAL REVIEW D. ISSN 1550-7998, 2012, vol. 86, no. 11, 111901., WOS
- [1.1] MAAS, Axel. On the gauge-algebra dependence of Landau-gauge Yang-Mills propagators. In JOURNAL OF HIGH ENERGY PHYSICS, 2011, no.2, 076., WOS
- [1.1] MYKKANEN, Anne - PANERO, Marco - RUMMUKAINEN, Kari. Casimir scaling and renormalization of Polyakov loops in large-N gauge theories. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2012, no. 5, 069., WOS
- [1.1] MYKKANEN, Anne. The static quark potential from a multilevel algorithm for the improved gauge action. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2012, no. 12, 069., WOS
- [1.1] NEJAD, S. M. Hosseini - DELDAR, S. Role of the SU(2) and SU(3) subgroups in observing confinement in the G(2) gauge group. In PHYSICAL REVIEW D. ISSN 1550-7998, 2014, vol. 89, no. 1, 014510., WOS
- [1.1] OXMAN, L. E. - SANTOS-ROSA, G. C. - TEIXEIRA, B. F. I. Coloured loops in 4D and their effective field representation. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2014, vol. 47, no. 30, 305401., WOS
- [1.1] POPPITZ, Erich - SCHAEFER, Thomas - UENSAL, Mithat. Universal mechanism of (semi-classical) deconfinement and theta-dependence for all

simple groups. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2013, no. 3, 087., WOS

[1.1] RAFIBAKHSH, Shahnoosh. Effect of the SU(4) group factor in the thick center vortex potentials. In PHYSICAL REVIEW D. ISSN 1550-7998, 2014, vol. 89, no. 3, 034503., WOS

[1.1] WELLEGEHAUSEN, Bjoern H. - WIPF, Andreas - WOZAR, Christian. Casimir scaling and string breaking in G(2) gluodynamics. In PHYSICAL REVIEW D, 2011, vol.83, no.1, 016001., WOS

[1.1] WELLEGEHAUSEN, Bjoern H. - WIPF, Andreas - WOZAR, Christian. Phase diagram of the lattice G(2) Higgs model. In PHYSICAL REVIEW D, 2011, vol.83, no.11, 114502., WOS

[1.1] WELLEGEHAUSEN, Bjorn H. - MAAS, Axel - WIPF, Andreas - VON SMEKAL, Lorenz. Hadron masses and baryonic scales in G(2)-QCD at finite density. In PHYSICAL REVIEW D. ISSN 1550-7998, 2014, vol. 89, no. 5, 056007., WOS

[3] MAAS, A. - WELLEGEHAUSEN, B.H. G2 gauge theories. In LATTICE 2012 (PROCEEDINGS OF SCIENCE-LATTICE 2012, SISSA), p. 080.

[3] Ryan Edwards, Samuel. Topology, symmetry and phase transitions in lattice gauge theories. In PhD THESIS, TECHN. UNIV. DARMSTADT, 2013.

ADCA273 GREENSITE, J. - OLEJNÍK, Štefan. Constituent gluon content of the static quark-antiquark state in Coulomb gauge. In *Physical Review D*, 2009, vol. 79, 114501. ISSN 1550-7998.

Ohlasy:

[1.1] BOUCAUD, Ph. - LEROY, J. P. - LE YAOUANC, A. - MICHELI, J. - PENE, O. - RODRIGUEZ-QUINTERO, J. The Infrared Behaviour of the Pure Yang-Mills Green Functions. In FEW-BODY SYSTEMS. ISSN 0177-7963, 2012, vol. 53, no. 3-4, pp. 387., WOS

[1.1] CAMPAGNARI, D. - WEBER, A. - REINHARDT, H. - ASTORGA, F. - SCHLEIFENBAUM, W. Equal-time two-point correlation functions in Coulomb gauge Yang-Mills theory. In NUCLEAR PHYSICS B, 2011, vol.842, no.3, p. 501-528., WOS

[1.1] IRITANI, Takumi - SUGANUMA, Hideo. Lattice QCD analysis for Faddeev-Popov eigenmodes in terms of gluonic momentum components in the Coulomb gauge. In PHYSICAL REVIEW D. ISSN 1550-7998, 2012, vol. 86, no. 7, 074034., WOS

[1.1] OSTRANDER, A. - SANTOPINTO, E. - SZCZEPANIAK, A. P. - VASSALLO, A. Gluon chain formation in presence of static charges. In PHYSICAL REVIEW D. ISSN 1550-7998, 2012, vol. 86, no. 11, 114015., WOS

ADCA274 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. (4.922 - IF2009). (2010 - Current Contents). ISSN 1550-7998.

Ohlasy:

[1.1] CUCCHIERI, A. - MENDES, T. Ghost sector and geometry in minimal Landau gauge. In PHYSICAL REVIEW D, 2013, vol. 88, no. 11, 114501., WOS

[1.1] MAAS, A. Gauge bosons at zero and finite temperature. In PHYSICS REPORTS, 2013, vol. 524, no. 4, p. 203-300., WOS

[1.1] REINHARDT, Hugo - CAMPAGNARI, Davide R. - HEFFNER, Jan -

PAK, Markus. Hamilton approach to QCD in Coulomb gauge. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2012, vol. 67, no. 2, pp. 173., WOS

[3] MAAS, A. Describing gauge bosons at zero and finite temperature. In PREPRINT/ HEP-PH, 2011, 1106.3942.

ADCA275 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. ISSN 1550-7998.

Ohlasy:

[1.1] BURGIO, G. - QUANDT, M. - REINHARDT, H. Ghost propagator and the Coulomb form factor from the lattice. In PHYSICAL REVIEW D. ISSN 1550-7998, 2012, vol. 86, no. 4, 045029., WOS

[1.1] KRUG, Sebastian - PINEDA, Antonio. Yang-Mills vacuum wave functional in three dimensions at weak coupling. In PHYSICAL REVIEW D. ISSN 1550-7998, 2013, vol. 88, no. 12, 125001., WOS

[1.1] QUANDT, Markus - BURGIO, Giuseppe - REINHARDT, Hugo - LLANESESTRADA, FJ - PELAEZ. Lattice studies of ground state wave functionals for Yang-Mills theory in Coulomb gauge. In AIP CONFERENCE PROCEEDINGS, 2011, vol.1343, p. 206-208., WOS

[3] KRUG, S. -PINEDA, A. The Yang-Mills vacuum functional in three dimensions at weak coupling. In 10th QUARK CONFINEMENT AND THE HADRON SPECTRUM (PROCEEDINGS OF SCIENCE- CONFINEMENT X, SISSA, 2013), p. 055.

[3] SCHNEIDER, R. Non-perturbative approach to pure Yang-Mills theory. In DIPLOMA THESIS, LUDWIG-MAXIMILIANS-UNIVERSITY, 2011.

[3.1] KRUG, S. The Yang-Mills vacuum wave functional in 2+1 dimensions. In PhD THESIS, UNIV. AUTÓNOMA de BARCELONA, 2014, HEP-TH/1404.7005.

ADCA276 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, 114507. ISSN 1550-7998.

Ohlasy:

[1.1] GIORDANO, Matteo - KOVACS, Tamas G. - PITTLER, Ferenc. Anderson localization in QCD-like theories. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2014, vol. 29, no. 25, 1445005., WOS

[1.1] IRITANI, Takumi - SUGANUMA, Hideo. Lattice QCD analysis for Faddeev-Popov eigenmodes in terms of gluonic momentum components in the Coulomb gauge. In PHYSICAL REVIEW D. ISSN 1550-7998, 2012, vol. 86, no. 7, 074034., WOS

[1.1] LAVELLE, Martin - MCMULLAN, David - SHARMA, Poonam. Factorization of glue and mass terms in SU(N) gauge theories. In PHYSICAL REVIEW D. ISSN 1550-7998, 2012, vol. 85, no. 4, 045013., WOS

[3] GRUBER, F. Topology in dynamical lattice QCD simulations. In PhD THESIS, UNIVERSITY OF REGENSBURG, 2012.

ADCA277 GREENSITE, J. - OLEJNÍK, Štefan. Numerical study of the Yang-Mills vacuum wave functional in $D=3+1$ dimensions. In *Physical Review D*, 2014, vol. 89, 034504. (4.864 - IF2013). (2014 - Current Contents). ISSN 1550-7998.

Ohlasy:

[3.1] KRUG, S. The Yang-Mills vacuum wave functional in $2+1$ dimensions. In PhD THESIS, UNIV.AUTÓNOMA de BARCELONA, 2014, HEP-TH/1404.7005.

ADCA278 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, 094507.

Ohlasy:

[1.1] LAVELLE, Martin - MCMULLAN, David - SHARMA, Poonam. Factorization of glue and mass terms in $SU(N)$ gauge theories. In *PHYSICAL REVIEW D*. ISSN 1550-7998, 2012, vol. 85, no. 4, 045013., WOS

ADCA279 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. (4.964 - IF2010). (2011 - Current Contents). ISSN 1550-7998.

Ohlasy:

[1.1] KRUG, Sebastian - PINEDA, Antonio. Yang-Mills vacuum wave functional in three dimensions at weak coupling. In *PHYSICAL REVIEW D*. ISSN 1550-7998, 2013, vol. 88, no. 12, 125001., WOS

[3] KRUG, S.- PINEDA, A. The Yang-Mills vacuum wave functional in three dimensions at weak coupling. In 10th QUARK CONFINEMENT AND THE HADRON SPECTRUM (PROCEEDINGS OF SCIENCE-CONFINEMENT X, SISSA, 2013), p. 055.

[3.1] KRUG, S. The Yang-Mills vacuum wave functional in $2+1$ dimensions. In PhD THESIS, UNIV. AUTÓNOMA de BARCELONA, 2014, HEP-TH/1404.7005.

ADCA280 GREENSITE, J. - OLEJNÍK, Štefan. Vortices, symmetry breaking and temporary confinement in $SU(2)$ gauge-Higgs theory. In *Physical Review D*, 2006, vol. 74, 014502. ISSN 1550-7998.

Ohlasy:

[1.1] BETTINELLI, Daniele - FERRARI, Ruggero. ON THE WEAK COUPLING LIMIT FOR MASSIVE YANG-MILLS. In *ACTA PHYSICA POLONICA B*. ISSN 0587-4254, 2013, vol. 44, no. 2, pp. 177., WOS

[1.1] FERRARI, Ruggero. ON THE PHASE DIAGRAM OF MASSIVE YANG-MILLS. In *ACTA PHYSICA POLONICA B*. ISSN 0587-4254, 2012, vol. 43, no. 10, pp. 1965-1979., WOS

[1.1] FERRARI, Ruggero. ON THE SPECTRUM OF LATTICE MASSIVE $SU(2)$ YANG-MILLS. In *ACTA PHYSICA POLONICA B*. ISSN 0587-4254, 2013, vol. 44, no. 9, pp. 1871., WOS

[1.1] FERRARI, R. Massive Yang-Mills. In *PROCEEDINGS OF SCIENCE-QCD-TNT-II*, 2011, p. 054., WOS

[3] FERRARI, R. On the phase diagram of massive Yang-Mills. In

PREPRINT/ HEP-LAT, 2011, 1112.2982.

[3] FERRARI, R. Spectrum bifurcation in lattice massive SU(2) Yang-Mills. In FROM QUARKS AND GLUONS TO HADRONIC MATTER: A BRIDGE TOO FAR ? (PROCEEDINGS OF SCIENCE-QCD-TNT-III, SISSA, 2013), p. 014.

ADCA281 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. (1.363 - IF2003). (2004 - Current Contents, WOS, SCOPUS). ISSN 0921-5093.

Ohlasy:

[1.1] AISMAN, D. - JIRKOVA, H. - MASEK, B. The influence of deformation and cooling parameters after transition through semi-solid state on structure development of ledeburite steel. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2012, vol. 536, pp. S204., WOS

[1.1] BEHULOVA, Maria - AISMAN, David - JIRKOVA, Hana - MASEK, Bohuslav - ZHU, Z. Experimental and Numerical Investigation of the Steel X210Cr12 Forming in Semi-solid State. In ADVANCES IN KEY ENGINEERING MATERIALS, 2011, vol.214, P.461-466., WOS

[1.1] PASAK, Matej - CICKA, Roman - BILEK, Pavel - JURCI, Peter - CAPLOVIC, L'ubomir. STUDY OF PHASE TRANSFORMATIONS IN Cr-V TOOL STEEL. In MATERIALI IN TEHNOLOGIJE. ISSN 1580-2949, 2014, vol. 48, no. 5, pp. 693-696., WOS

[1.1] ROETTGER, A. - WEBER, S. L. - THEISEN, W. Influence of post-treatment on the microstructural evolution of thermally sprayed Fe-base MMC containing TiC and Cr₃C₂. In SURFACE & COATINGS TECHNOLOGY. ISSN 0257-8972, 2012, vol. 209, pp. 151., WOS

ADCA282 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. ISSN 1478-6435.

Ohlasy:

[1.1] SODA, K. - INUKAI, M. - KATO, M. - YAGI, S. - SO, Y.G. - EDAGAWA, K. Spectroscopic study of Ni-rich Al-Co-Ni quasicrystal. In PHILOSOPHICAL MAGAZINE, 2011, vol.91, no.19-21, 2510., WOS

ADCA283 GUPTA, Ajay - RUWALI, Kailash - PAUL, Neelima - DUHAJ, Pavol. Crystallization behavior of amorphous (Fe_{100-x}Cox)₈₅B₁₅. In *Materials Science and Engineering A*, 2001, vol. 304-306, p. 371-374. (0.897 - IF2000). (2001 - Current Contents, WOS, SCOPUS). ISSN 0921-5093.

Ohlasy:

[1.1] LIU, Y. THERMODYNAMIC OPTIMIZATION. In MATERIALS SCIENCE AND ENGINEERING A, 2011, VOL. 304, P. 371., WOS

[1.1] SIMMONS, L.M. In JOURNAL OF APPLIED PHYSICS, 2014, vol. 116, 123514., WOS

ADCA284 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 Fe_{40.5}Co_{40.5}Nb₇B₁₂

alloy. In *Journal of Applied Physics*, 2012, vol. 111, no. 11, art. no. 113518. (2.168 - IF2011). (2012 - Current Contents). ISSN 0021-8979.

Ohlasy:

[1.1] CUI, Yishen - DING, Manli - POON, S. Joseph - ADL, T. Paul - KESHAVARZ, S. - MEWES, Tim - WOLF, Stuart A. - LU, Jiwei. Structural and magnetic properties of Cr-diluted CoFeB. In *JOURNAL OF APPLIED PHYSICS*. ISSN 0021-8979, 2013, vol. 114, no. 15, 153902., WOS

ADCA285 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.

Ohlasy:

[1.1] HERRERO-GOMEZ, C. - MARIN, P. - HERNANDO, A. Bias free magnetomechanical coupling on magnetic microwires for sensing applications. In *APPLIED PHYSICS LETTERS*. ISSN 0003-6951, 2013, vol. 103, no. 14, 142414., WOS

[1.1] HRKAC, V. - LAGE, E. - KOEPEL, G. - STROBEL, J. - MCCORD, J. - QUANDT, E. - MEYERS, D. - KIENLE, L. Amorphous FeCoSiB for exchange bias coupled and decoupled magnetoelectric multilayer systems: Real-structure and magnetic properties. In *JOURNAL OF APPLIED PHYSICS*. ISSN 0021-8979, 2014, vol. 116, no. 13, 134302., WOS

[1.1] LUO, K. - LI, W. - ZHANG, H. Y. - SU, H. L. Changes of hardness and electronic work function of Zr_{41.2}Ti_{13.8}Cu_{12.5}Ni₁₀Be_{22.5} bulk metallic glass on annealing. In *PHILOSOPHICAL MAGAZINE LETTERS*, 2011, vol.91, no.4, 237., WOS

[1.1] YANG, Yaodong - GAO, Junqi - WANG, Zhiguang - LI, Menghui - LI, Jie-Fang - DAS, Jaydip - VIEHLAND, D. Effect of heat treatment on the properties of Metglas foils, and laminated magnetoelectric composites made thereof. In *MATERIALS RESEARCH BULLETIN*, 2011, vol.46, no.2, 266., WOS

ADCA286 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.

Ohlasy:

[1.1] PETKOV, Valeri - LEE, Youngmin - SUN, Shouheng - REN, Yang. Noncrystallographic Atomic Arrangement Driven Enhancement of the Catalytic Activity of Au Nanoparticles. In *JOURNAL OF PHYSICAL CHEMISTRY C*. ISSN 1932-7447, 2012, vol. 116, no. 50, pp. 26668., WOS

ADCA287 HAFNER, J. - KRAJČÍ, Marián. Electronic-structure of quasi-crystalline Al-Zn-Mg alloys and related crystalline, amorphous and liquid- phases. In *Physical Review B*, 1993, vol. 47, no., p. 11795-11809. (3.259 - IF1992). (1993 - Current Contents). ISSN 1098-0121.

Ohlasy:

[1.1] HAN, G. The e/a values of ideal metallic glasses. In *ACTA MATERIALIA*, 2011, vol. 59, p. 5917., WOS

[1.1] INUKAI, M. Origin of the DOS. In *PHILOSOPHICAL MAGAZINE*,

2011, vol. 91, p. 4247., wWOS

[1.1] MIZUTANI, U. In CHEMICAL SOCIETY REVIEWS, vol. 41, 2012, p. 6799., WOS

[1.1] ZABOLOTNYY, V.B. In PHYSICAL REVIEW B, vol. 85, 2012, 064507., WOS

ADCA288 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] MAEADER, Ruben - WIDMER, Roland - GROENING, Pierangelo - STEURER, Walter - GROENING, Oliver. Correlating scanning tunneling spectroscopy with the electrical resistivity of Al-based quasicrystals and approximants. In PHYSICAL REVIEW B. ISSN 1098-0121, 2013, vol. 87, no. 7, 075425., WOS

[1.1] NAYAK, J. - MANIRAJ, M. - RAI, Abhishek - SINGH, Sanjay - RAJPUT, Parasmani - GLOSKOVSKII, A. - ZEGENHAGEN, J. - SCHLAGEL, D. L. - LOGRASSO, T. A. - HORN, K. - BARMAN, S. R. Bulk Electronic Structure of Quasicrystals. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2012, vol. 109, no. 21, 216403., WOS

[1.1] ROLOF, Sebastian - THIEM, Stefanie - SCHREIBER, Michael. Electronic wave functions of quasiperiodic systems in momentum space. In EUROPEAN PHYSICAL JOURNAL B. ISSN 1434-6028, 2013, vol. 86, no. 9, 372., WOS

ADCA289 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. (2.880 - IF1997). (1998 - Current Contents). ISSN 1098-0121.

Ohlasy:

[1.1] ALI, K. - REISSNER, M. - STEINER, W. - FEUERBACHER, M. Mössbauer investigations of crystalline and quasicrystalline Al₃(Mn, Fe) compounds. In Journal of Physics Condensed Matter, 2011, vol.23, no.47, 475501., WOS

[1.1] ALI, K. - REISSNER, M. - FEUERBACHER, M. - STEINER, W. Mössbauer and magnetization measurements of Al₃Mn(Pd,Fe) compounds. In Diffusion and Defect Data Pt.B: Solid State Phenomena, 2011, vol.170, 127-130., WOS

[1.1] DHAKA, R.S. - SHUKLA, A.K. - HORN, K. - BARMAN, S.R. Photoemission study of Al adlayers on Mn. In Physical Review B Condensed Matter and Materials Physics, 2011, vol.84, no.24, 245404., WOS

[1.1] DUGUET, T. - THIEL, P. A. Chemical contrast in STM imaging of transition metal aluminides. In PROGRESS IN SURFACE SCIENCE. ISSN 0079-6816, 2012, vol. 87, no. 5-8, pp. 47., WOS

[1.1] GROSDIDIER, B. - BEN ABDELLAH, A. - BOUZIANE, K. - RAHMAN, S. M. Mujibur - GASSER, J. G. Spin treatment-based approach for electronic transport in paramagnetic liquid transition metals. In PHILOSOPHICAL MAGAZINE. ISSN 1478-6435, 2013, vol. 93, no. 26, pp. 3576., WOS

[1.1] STADNIK, Zbigniew M. - BUSCHOW, KHJ. MAGNETIC

PROPERTIES OF QUASICRYSTALS AND THEIR APPROXIMANTS. In HANDBOOK OF MAGNETIC MATERIALS, VOL 21. ISSN 1567-2719, 2013, vol. 21, pp. 77., WOS

[1.1] TUKEL, Caner - IDE, Semra - YILDIRIM, Leyla - ERBUDAK, Mehmet. SWAXS analysis on some quasicrystalline alloys: Nanoclusters and nanoaggregates. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2013, vol. 581, pp. 860., WOS

ADCA290 HAFNER, J. - KRAJČÍ, Marián. Propagating collective excitations in quasi-crystals. In *Europhysics Letters*, 1993, vol. 21, no. 1, p. 31-36. (2.460 - IF1992). (1993 - Current Contents). ISSN 0295-5075.

Ohlasy:

[1.1] ROLOF, Sebastian - THIEM, Stefanie - SCHREIBER, Michael. Electronic wave functions of quasiperiodic systems in momentum space. In EUROPEAN PHYSICAL JOURNAL B. ISSN 1434-6028, 2013, vol. 86, no. 9, 372., WOS

ADCA291 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] DE BOISSIEU, Marc. Study of the structure and physical properties of quasicrystals using large scale facilities. In COMPTES RENDUS PHYSIQUE. ISSN 1631-0705, 2012, vol. 13, no. 3, pp. 207., WOS

[1.1] EUCHNER, H. - PAILHES, S. - NGUYEN, L. T. K. - ASSMUS, W. - RITTER, F. - HAGHIGHIRAD, A. - GRIN, Y. - PASCHEN, S. - DE BOISSIEU, M. Phononic filter effect of rattling phonons in the thermoelectric clathrate Ba₈Ge_{40+x}Ni_{6-x}. In PHYSICAL REVIEW B. ISSN 1098-0121, 2012, vol. 86, no. 22, 224303., WOS

ADCA292 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. (6.297 - IF1995). ISSN 0031-9007.

Ohlasy:

[1.1] RABSON, D. A. Toward theories of friction and adhesion on quasicrystals. In PROGRESS IN SURFACE SCIENCE. ISSN 0079-6816, 2012, vol. 87, no. 9-12, pp. 253., WOS

ADCA293 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. (1.654 - IF1993). (1994 - Current Contents). ISSN 0953-8984.

Ohlasy:

[1.1] BELTUKOV, Y.M. - PARSHIN, D.A. Theory of sparse random matrices and vibrational spectra of amorphous solids. In Physics of the Solid State, 2011, vol.53, no.1, 151-162., WOS

[1.1] FLORES-RUIZ, Hugo M. - NAUMIS, Gerardo G. The transverse nature of the Boson peak: A rigidity theory approach. In PHYSICA B-CONDENSED MATTER. ISSN 0921-4526, 2013, vol. 418, pp. 26., WOS

[1.1] JAKSE, N. - NASSOUR, A. - PASTUREL, A. Structural and dynamic origin of the boson peak in a Cu-Zr metallic glass. In PHYSICAL REVIEW B.

ISSN 1098-0121, 2012, vol. 85, no. 17, 174201., WOS

[1.1] SHENG, H. W. - MA, E. - KRAMER, M. J. Relating Dynamic Properties to Atomic Structure in Metallic Glasses. In *JOM*. ISSN 1047-4838, 2012, vol. 64, no. 7, pp. 856., WOS

ADCA294 HALAHOVETS, Yuriy - ŠIFFALOVIČ, 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. (1.601 - IF2010). (2011 - Current Contents, SCOPUS). ISSN 0034-6748.

Ohlasy:

[1.1] SU, Chiung-Wu. Ultrahigh vacuum angle-dependent Faraday effect experiment on ultrathin magneto-optical materials. In *OPTICAL MATERIALS EXPRESS*. ISSN 2159-3930, 2014, vol. 4, no. 6, pp. 1112., WOS

ADCA295 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. (1.646 - IF2012). (2013 - Current Contents). ISSN 1533-7146.

Ohlasy:

[1.1] BOOKATZ, Adam D. QMA-COMPLETE PROBLEMS. In *QUANTUM INFORMATION & COMPUTATION*. ISSN 1533-7146, 2014, vol. 14, no. 5-6, pp. 361., WOS

ADCA296 HAMILTON, J.H. - RAMAYYA, A.V. - HWANG, J.K. - TER AKOPIAN, G.M. - DANIEL, V. - RASMUSSEN, J.O. - WU, S.C. - DONANGELO, R. - BEYER, C.J. - KORMICKI, J. - ZHANG, X.Q. - RODIN, A. - FOMICHEV, A.S. - POPEKO, G.S. - KLIMAN, Ján - KRUPA, L. - JANDEL, Marián - OGANESSIAN, Yu.Ts. - CHUBARIAN, G. Cold and hot binary and ternary fission yields in the spontaneous fission of ²⁵²Cf. In *Physics of Atomic Nuclei*, 2002, vol. 65, no. 4, p. 645-652. ISSN 1063-7788.

Ohlasy:

[1.1] ISMAIL, M. In *CANADIAN JOURNAL OF PHYSICS*, 2013, vol. 91, p. 401., WOS

ADCA297 HAMILTON, J.H. - LUO, Y.X. - KLIMAN, Ján - RASMUSSEN, J.O. Octupole Correlations and Deformation in Ba, La and Pr. In *Acta Physica Polonica B*, 2001, vol. 32, p. 957-969. (0.479 - IF2000). (2001 - Current Contents). ISSN 0587-4254.

Ohlasy:

[1.1] MALKIEWICZ, T. In *PHYSICAL REVIEW C*, vol. 85, 2012, 044314., WOS

[1.1] NICA, N. In *NUCLEAR DATA SHEETS*, 2014, vol. 122, pp. 1-204., WOS

ADCA298 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*, 1995, vol. 264, no. 1-5, p. 215-231.

Ohlasy:

[1.1] BISWAS, D. C. - DANU, L. S. - MUKHOPADHYAY, S. - KINAGE, L. A. - PRASHANTH, P. N. - GOSWAMI, A. - SAHU, A. K. - SHAIKH, A. M. - CHATTERJEE, A. - CHOUDHURY, R. K. - KAILAS, S. Facility at CIRUS reactor for thermal neutron induced prompt gamma-ray spectroscopic studies. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, 2013, vol. 703, pp. 163., WOS

[1.1] BROWNE, E. - TULI, J. K. Nuclear Data Sheets for A=143. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2012, vol. 113, no. 3, pp. 715., WOS

[1.1] MUKHOPADHYAY, S. Prompt gamma spectroscopic studies. In PHYSICAL REVIEW C, vol. 85, 2012, 064321., WOS

ADCA299 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] ARTEMOV, V. G. - KURITSYNA, I. E. - LEBEDEV, S. P. - KOMANDIN, G. A. - KAPRALOV, P. O. - SPEKTOR, I. E. - KHARTON, V. V. - BREDIKHIN, S. I. - VOLKOV, A. A. Analysis of electric properties of ZrO₂-Y₂O₃ single crystals using terahertz IR and impedance spectroscopy techniques. In RUSSIAN JOURNAL OF ELECTROCHEMISTRY. ISSN 1023-1935, 2014, vol. 50, no. 7, pp. 690., WOS

[1.1] SIZOV, Vladimir V. - LAMPINEN, Markku J. - LAAKSONEN, Aatto. Molecular dynamics simulation of oxygen diffusion in cubic yttria-stabilized zirconia: Effects of temperature and composition. In SOLID STATE IONICS. ISSN 0167-2738, 2014, vol. 266, pp. 29., WOS

ADCA300 HARTMANOVÁ, Mária - SCHNEIDER, J. - NAVRÁTIL, V. - KUNDRACIK, F. - SCHULZ, H. - LOMONOVA, E.E. Correlation between microscopic and macroscopic properties of yttria stabilized zirconia 1. Single crystals. In *Solid State Ionics*, 2000, vol. 136, p. 107-113. (2000 - Current Contents). ISSN 0167-2738.

Ohlasy:

[1.2] ARUNA, S.T. - BALAJI, N. - RAJAM, K.S. Phase transformation and wear studies of plasma sprayed yttria stabilized zirconia coatings containing various mol% of yttria. In *Materials Characterization*, 2011, vol.62, no.7, 697-705., SCOPUS

ADCA301 HARTMANOVÁ, Mária - GMUCOVÁ, Katarína - THURZO, Ilja. Dielectric properties of ceria and yttria-stabilized zirconia thin films. In *Solid State Ionics : diffusion and reactions*, 2000, vol. 130, no. 1-2, p. 105-110. (2000 - Current Contents). ISSN 0167-2738.

Ohlasy:

[1.1] DAS, A. In INTERNATIONAL JOURNAL OF NANOSCIENCE, 2011, vol. 10, pp. 765., WOS

[1.1] LE TREQUESSER, Quentin - MESGUICH, David - YOU, Eunyoung - AYMONIER, Cyril - WATKINS, James J. Supercritical fluid deposition of compositionally uniform yttria stabilized zirconia films. In JOURNAL OF SUPERCRITICAL FLUIDS. ISSN 0896-8446, 2012, vol. 66, pp. 328., WOS

[1.2] PERRY, N.H. - YEH, T.C. - MASON, T.O. Temperature dependence of effective grain core/single crystal dielectric constants for acceptor-doped oxygen ion conductors. In Journal of the American Ceramic Society, 2011, vol.94, no.2, 508-515., SCOPUS

ADCA302 HARTMANOVÁ, Mária - GMUCOVÁ, Katarína - JERGEL, Matej - THURZO, Ilja - KUNDRACIK, F. - BRUNEL, M. Characterization of ceria yttria stabilized zirconia grown on silicon substrate. In *Thin Solid Films*, 1999, vol. 345, no. 2, p. 330-337. (1.020 - IF1998). (1999 - Current Contents). ISSN 0040-6090.

Ohlasy:

[3]

<http://repositorio.int.gov.br:8080/repositorio/bitstream/123456789/291/1/Combustion%20of%20methane%20over%20catalysts%20supported%20on%20CeO2-ZrO2%20and.pdf>, 2011

ADCA303 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, p. 5679-5683. (0.864 - IF2004). (2005 - Current Contents). ISSN 0022-2461.

Ohlasy:

[1.1] GAWEL, Richard - PRZYBYLSKI, Kazimierz - VIVIANI, Massimo. Chemical stability and electrical properties of BaCe_{0.85}Y_{0.15}O_{3-delta}-Ce_{0.85}Y_{0.15}O_{2-delta} composite bulk samples for use as central membrane materials in dual PCFC-SOFC fuel cells. In MATERIALS CHEMISTRY AND PHYSICS. ISSN 0254-0584, 2014, vol. 147, no. 3, pp. 804., WOS

[1.1] GAWEL, R. - VIVIANI, M. - PRZYBYLSKI, K. LONG-TERM CHEMICAL STABILITY OF BaCe_{0.85}Y_{0.15}O_{3-delta} + Ce_{0.85}Y_{0.15}O_{2-delta} COMPOSITE SAMPLES AT ROOM TEMPERATURE AND AT 873 K FOR USE IN DUAL PCFC-SOFC FUEL CELLS. In ARCHIVES OF METALLURGY AND MATERIALS. ISSN 1733-3490, 2013, vol. 58, no. 2, pp. 393., WOS

[1.2] LIANG, S. - BROITMAN, E. - WANG, Y. - CAO, A. - VESER, G. Highly stable, mesoporous mixed lanthanum-cerium oxides with tailored structure and reducibility. In *Journal of Materials Science*, 2011, vol.46, no.9, 2928-2937., SCOPUS

[1.2] RAZA, R. - LIU, Q. - NISAR, J. - WANG, X. - MA, Y. - ZHU, B. ZnO/NiO nanocomposite electrodes for low-temperature solid oxide fuel cells. In *Electrochemistry Communications*, 2011, vol.13, no.9, 917-920., SCOPUS

ADCA304 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, p. 969-975. (0.670 - IF1997).

Ohlasy:

[1.1] JADHAV, L.D. - JAMALE, A.P. - BHARADWAJ, S.R. - VARMA, S. - BHOSALE, C.H. In *APPLIED SURFACE SCIENCE*. OCT 1 2012, vol. 258, no. 24, p. 9501-9504., WOS

[1.1] KREISEL, J. - WEBER, M.C. - DIX, N. - SANCHEZ, F. - THOMAS, P.A. - FONTCUBERTA, J. In *ADVANCED FUNCTIONAL MATERIALS*. DEC 5 2012, vol. 22, no. 23, p. 5044-5049., WOS

[1.1] LI, Sa - WANG, Chang-An. Hierarchically porous YSZ hollow spheres with ultralow thermal conductivity. In *MATERIALS RESEARCH BULLETIN*. SEP 2014, vol. 57, p. 79-84., WOS

ADCA305 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. (0.765 - IF1993). (1994 - Current Contents, SCOPUS). ISSN 0022-2461.

Ohlasy:

[1.1] COKER, Eric N. - RODRIGUEZ, Mark A. - AMBROSINI, Andrea - MILLER, James E. - STECHEL, Ellen B. Using in-situ techniques to probe high-temperature reactions: thermochemical cycles for the production of synthetic fuels from CO₂ and water. In *POWDER DIFFRACTION*. ISSN 0885-7156, 2012, vol. 27, no. 2, pp. 117., WOS

[1.1] COKER, E. N. Production of hydrogen and carbon monoxide. In *MATERIALS CHALLENGES IN ALTERNATIVE AND RENEWABLE ENERGY. "CERAMIC TRANSACTIONS"*, 2011, VOL.224, P. 37-49., WOS

[1.1] COKER, E.N. Ferrite-YSZ composites for solar thermochemical production. In *JOURNAL OF MATERIALS CHEMISTRY*, 2011, VOL. 21, P. 10767-10776., WOS

[1.1] FLEGLER, Andrew J. - BURYE, Theodore E. - YANG, Qing - NICHOLAS, Jason D. Cubic yttria stabilized zirconia sintering additive impacts: A comparative study. In *CERAMICS INTERNATIONAL*. ISSN 0272-8842, 2014, vol. 40, no. 10, pp. 16323., WOS

[1.1] GUO, Fangwei - XIAO, Ping. Effect of Fe₂O₃ doping on sintering of yttria-stabilized zirconia. In *JOURNAL OF THE EUROPEAN CERAMIC SOCIETY*. ISSN 0955-2219, 2012, vol. 32, no. 16, pp. 4157., WOS

[1.1] HUANG, Yen-Lin - LEE, Ying-Chieh - TSAI, Du-Cheng - CHIU, Jam-Da - SHIEU, Fuh-Sheng. Effects of manganese oxide addition and reductive atmosphere annealing on the phase stability and microstructure of yttria stabilized zirconia. In *JOURNAL OF THE EUROPEAN CERAMIC SOCIETY*. ISSN 0955-2219, 2013, vol. 33, no. 13-14, pp. 2609., WOS

[1.1] HUANG, Yen-Lin - LEE, Ying-Chieh - TSAI, Du-Cheng - HUANG, Rong-Hsin - SHIEU, Fuh-Sheng. Phase stability and microstructure of manganese-doped calcia-stabilized zirconia heat treated in a reducing atmosphere. In *CERAMICS INTERNATIONAL*. ISSN 0272-8842, 2014, vol. 40, no. 1, pp. 2373., WOS

[1.1] HU, Rui - KAN, Wentao - DENG, Jian - LIU, Yebing - YANG, Yuqing - JIANG, Kuo - LUO, Shunzhong. Preparation and quality evaluation of a

simulating Sr-90 ceramic source. In CERAMICS INTERNATIONAL. ISSN 0272-8842, 2014, vol. 40, no. 9, pp. 14001., WOS

- ADCA306 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 YbxZr1_O2_x/2 solid solutions. In *Journal of Physics and Chemistry of Solids*, 2008, vol. 69, p. 805-814. ISSN 0022-3697.

Ohlasy:

- [1.1] FENG, J. In *SCRIPTA MATERIALIA*, 2012, vol. 66, no. 1, p. 41., WOS
- [1.1] FENG, J.-REN, X.-WANG, X.-ZHOU, R.-PAN, W. Thermal conductivity of yttria-stabilized zirconia. In *SCRIPTA MATERIALIA*, 2010, vol. 66, p. 41-44., WOS
- [1.1] LOGANATHA, A. In *SCRIPTA MATERIALIA*, 2012, vol. 67, no. 3, p. 285., WOS

- ADCA307 HARTMANOVÁ, Mária - LOMONOVA, E.E. - KUBEL, F. - SCHNEIDER, J. - BURŠÍKOVÁ, V. - JERĚEL, 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, p. 234-243.

Ohlasy:

- [1.1] LI, Z.-P. In *MATERIALS RESEARCH BULLETIN*, 2013, vol. 48, p. 807., WOS
- [1.1] LI, Z.-P.-MOR, T.-ZOU, J. Defect clustering and ordering. In *MATERIALS RESEARCH BULLETIN*, 2013, vol. 48, no. 2, p. 807-812., WOS
- [1.1] MARROCCELLI, D. In *ADVANCED FUNCTIONAL MATERIALS*, 2012, vol. 22, no. 9, p. 1958., WOS

- ADCA308 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. (0.150 - IF1997). (1998 - Current Contents). ISSN 0366-6352.

Ohlasy:

- [1.1] AKTAS, Bulent - TEKELI, Suleyman. Influence of Co3O4 addition on the ionic conductivity and microstructural properties of yttria-stabilized zirconia (8YSZ). In *INTERNATIONAL JOURNAL OF MATERIALS RESEARCH*. ISSN 1862-5282, 2014, vol. 105, no. 6, pp. 577., WOS
- [1.1] DEY, Tapobrata - DAS SHARMA, Abhijit - DUTTA, Atanu - BASU, Rajendra N. Transition metal-doped yttria stabilized zirconia for low temperature processing of planar anode-supported solid oxide fuel cell. In *JOURNAL OF ALLOYS AND COMPOUNDS*. ISSN 0925-8388, 2014, vol. 604, pp. 151., WOS
- [1.1] FLEGLER, Andrew J. - BURYE, Theodore E. - YANG, Qing - NICHOLAS, Jason D. Cubic yttria stabilized zirconia sintering additive impacts: A comparative study. In *CERAMICS INTERNATIONAL*. ISSN 0272-8842, 2014, vol. 40, no. 10, pp. 16323., WOS
- [1.2] MORI, M. - WANG, Z. - ITOH, T. Sintering mechanisms of cobalt-doped ceria and zirconia electrolytes in intermediate-temperature solid

oxide fuel cells. In Journal of Fuel Cell Science and Technology, 2011, vol.8, no.1., SCOPUS

- ADCA309 HARTMANOVÁ, Mária - GMUCOVÁ, Katarína - JERGEL, Matej - THURZO, Ilja - KUNDRACIK, F. - BRUNEL, M. Structural and electrical properties of double-layer ceria/yttria stabilized zirconia deposited on silicon substrate. In *Solid State Ionics*, 1999, vol. 119, no. 1-4, p. 85-90. (1.080 - IF1998). (1999 - Current Contents). ISSN 0167-2738.

Ohlasy:

- [1.2] KUO, C.-G. - HUANG, H.-H. - YANG, C.-F. Effects of the oxygen pressure on the crystalline orientation and strains of YSZ thin films prepared by E-beam PVD. In *Ceramics International*, 2011, vol.37, no.6, 2037-2041., SCOPUS

- ADCA310 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. (0.431 - IF2008). (2009 - Current Contents). ISSN 1023-1935.

Ohlasy:

- [1.1] JIANG, J.G. - WANG, M. - LI, R. - MA, L.J. - GUO, L.J. Fabricating CdS/BiVO₄ and BiVO₄/CdS heterostructured film photoelectrodes for photoelectrochemical applications. In *INTERNATIONAL JOURNAL OF HYDROGEN ENERGY*. SEP 30 2013, vol. 38, no. 29, p. 13069-13076., WOS
- [1.1] KONTIC, R. - PATZKE, G.R. Synthetic trends for BiVO₄ photocatalysts: Molybdenum substitution vs. TiO₂ and SnO₂ heterojunctions. In *JOURNAL OF SOLID STATE CHEMISTRY*, 2012, vol. 189, p. 38-48., WOS
- [1.1] MAJI, B.K. - JENA, H. - KUTTY, K.V.G. Effect of La-Substitution on the Electrical Conductivity of Sr_{1-x}La_xMoO_{4+delta} (x=0-0.3) Compounds. In *JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE*. SEP 2014, vol. 23, no. 9, p. 3126-3132., WOS
- [1.1] NELL, A. - GETSOIAN, A. - WERNER, S. - KIWI-MINSKER, L. - BELL, A.T. Preparation and Characterization of High-Surface-Area Bi(1-x)/3V1-xMoxO₄ Catalysts. In *LANGMUIR*. JAN 28 2014, vol. 30, no. 3, p. 873-880., WOS
- [1.1] RETTIE, A.J.E. - LEE, H.C. - MARSHALL, L.G. - LIN, J.F. - CAPAN, C. - LINDEMUTH, J. - MCCLOY, J.S. - ZHOU, J.S. - BARD, A.J. - MULLINS, C.B. Combined Charge Carrier Transport and Photoelectrochemical Characterization of BiVO₄ Single Crystals: Intrinsic Behavior of a Complex Metal Oxide. In *JOURNAL OF THE AMERICAN CHEMICAL SOCIETY*. JUL 31 2013, vol. 135, no. 30, p. 11389-11396., WOS
- [1.1] SAMEERA, S. - RAO, P.P. - JAMES, V. - DIVYA, S. - RAJ, A.K.V. Influence of (LiLa)(1/2)MoO₄ substitution on the pigmentary properties of BiVO₄. In *DYES AND PIGMENTS*. MAY 2014, vol. 104, p. 41-47., WOS
- [1.1] TIEN THE NGUYEN - THANG MINH LE - DUC DUC TRUONG - FEHRMANN, Rasmus - RIISAGER, Anders - VAN DRIESCHE, Isabel. Synergy effects in mixed Bi₂O₃, MoO₃ and V₂O₅ catalysts for selective oxidation of propylene. In *RESEARCH ON CHEMICAL INTERMEDIATES*. ISSN 0922-6168, 2012, vol. 38, no. 3-5, pp. 829., WOS
- [1.1] ZHAI, Z. - GETSOIAN, A. - BELL, A.T. The kinetics of selective

oxidation of propene on bismuth vanadium molybdenum oxide catalysts. In JOURNAL OF CATALYSIS. DEC 2013, vol. 308, p. 25-36., WOS

- ADCA311 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.

Ohlasy:

[1.2] DEL CAMPO, L. - DE SOUSA MENESES, D. - BLIN, A. - ROUSSEAU, B. - VÉRON, E. - BALAT-PICHELIN, M. - ECHEGUT, P. High-temperature radiative properties of an yttria-stabilized hafnia ceramic. In *Journal of the American Ceramic Society*, 2011, vol.94, no.6, 1859-1864., SCOPUS

- ADCA312 HARTMANOVÁ, Mária - JERGEL, Matej - HOLGADO, J.P. - ESPINOS, J.P. Structure and microstructure of EB-PVD yttria thin films grown on Si(111) substrate. In *Vacuum*, 2010, vol. 85, p. 535-540. (0.975 - IF2009). (2010 - Current Contents). ISSN 0042-207X.

Ohlasy:

[1.2] DU, Y. - ZHU, M. - SUI, Z. - YI, K. - JIN, Y. - HE, H. Antireflective sub-wavelength structures on fused silica via self-assembly of silica. In *Thin Solid Films*, 2013, 548, pp. 103-108., SCOPUS

- ADCA313 HARTMANOVÁ, Mária - TRAVĚNEC, Igor - URUSOVSKAYA, A.A. - PUTYERA, K. - TUNEGA, D. - KOROBKOV, I.I. The influence of tungsten on the oxygen sublattice in yttria-stabilized zirconia (YSZ). In *Solid State Ionics*, 1995, vol. 76, no. 3-4, p. 207-214. (1.090 - IF1994). (1995 - Current Contents). ISSN 0167-2738.

Ohlasy:

[1.1] LI, Sha et al. In *JOURNAL OF PHYSICAL CHEMISTRY C*, 2014, vol. 118, no. 12, pp. 6283-6290., WOS

- ADCA314 HARTMANOVÁ, Mária - LOMONOVA, E.E. - NAVRATIL, V. - KUNDRACIK, F. - KOSTIČ, I. The influence of ceria addition on the quality of grown yttria crystals, their crystalline and defect structures. In *Materials Science and Engineering B*, 2004, vol. 113, p. 1-6.

Ohlasy:

[1.1] LI, Z.P. - MORI, T. - YE, F. - OU, D.R. - ZOU, J. - DRENNAN, J. Dislocation associated incubational domain formation in lightly gadolinium-doped ceria. In *Microscopy and microanalysis*. ISSN 1431-9276. 2011, vol. 17, no. 1, p. 49-53., WOS

- ADCA315 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] ANANTHARAMAN, S.B. - BAURI, R. In *CERAMICS INTERNATIONAL*. DEC 2013, vol. 39, no. 8, p. 9421-9428., WOS

- ADCA316 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. (1.208 - IF1995). (1996 - Current Contents, WOS, SCOPUS). ISSN 0304-8853.
Ohlasy:
[1.1] SRINIVAS, M. et al. Role of Si on structure and soft magnetic properties. In *JOURNAL OF ALLOYS AND COMPOUNDS*, 2014, vol. 583, pp. 427-433., WOS
- ADCA317 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] CHUMAK, O. O. - STOLYAROV, E. V. Phase-space distribution functions for photon propagation in waveguides coupled to a qubit. In *PHYSICAL REVIEW A*. ISSN 1050-2947, 2013, vol. 88, no. 1, 013855., WOS
- ADCA318 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.
Ohlasy:
[1.1] DUNAND, David C. - MUELLNER, Peter. Size Effects on Magnetic Actuation in Ni-Mn-Ga Shape-Memory Alloys. In *ADVANCED MATERIALS*, 2011, vol.23, no.2, 216-232., WOS
[1.1] GLOCK, S. - ZHANG, X. X. - KUCZA, N. J. - MUELLNER, P. - MICHAUD, V. Structural, physical and damping properties of melt-spun Ni-Mn-Ga wire-epoxy composites. In *COMPOSITES PART A-APPLIED SCIENCE AND MANUFACTURING*. ISSN 1359-835X, 2014, vol. 63, pp. 68-75., WOS
[1.1] CHEN FENG - SU DEXI - TONG YUNXIANG - NIU LIQUN - WANG HAIBO - LI LI. MICROSTRUCTURE AND PHASE TRANSFORMATION OF Ni₄₃Co₇Mn₄₁Sn₉ HIGH TEMPERATURE SHAPE MEMORY ALLOY RIBBON. In *ACTA METALLURGICA SINICA*. ISSN 0412-1961, 2013, vol. 49, no. 8, pp. 976., WOS
[1.1] CHEN, F. - TONG, Y. X. - HUANG, Y. J. - TIAN, B. - LI, L. - ZHENG, Y. F. Suppression of gamma phase in Ni₃₈Co₁₂Mn₄₁Sn₉ alloy by melt spinning and its effect on martensitic transformation and magnetic properties. In *INTERMETALLICS*. ISSN 0966-9795, 2013, vol. 36, pp. 81-85., WOS
[1.1] KHOVAYLO, Vladimir V. - RODIONOVA, Valeria V. - SHEVYRTALOV, Sergey N. - NOVOSAD, Val. Magnetocaloric effect in "reduced" dimensions: Thin films, ribbons, and microwires of Heusler alloys and related compounds. In *PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS*. ISSN 0370-1972, 2014, vol. 251, no. 10, pp. 2104., WOS
[1.1] PRASAD, R. V. S. - SRINIVAS, M. - RAJA, M. Manivel - PHANIKUMAR, G. Microstructure and Magnetic Properties of Ni-2(Mn,Fe)Ga Heusler Alloys Rapidly Solidified by Melt Spinning. In *METALLURGICAL AND MATERIALS TRANSACTIONS A-PHYSICAL METALLURGY AND MATERIALS SCIENCE*. ISSN 1073-5623, 2014, vol. 45A, no. 4, pp. 2161-2170., WOS

[1.1] ROMBERG, Jan - HUERRICH, Claudia - POETSCHKE, Martin - KAUFFMANN-WEISS, Sandra - GAITZSCH, Uwe - ROTH, Stefan - MUELLNER, Peter - SCHULTZ, Ludwig. Geometric factors on magnetically driven actuation behaviour for polycrystalline Ni-Mn-Ga and its composites. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2013, vol. 577, S344-S347., WOS

[1.1] WANG, Jingmin - JIANG, Chengbao - TECHAPIESANCHAROENKIJ, Ratchatee - BONO, David - ALLEN, Samuel M. - O&APOS;HANDLEY, Robert C. Microstructure and magnetic properties of melt spinning Ni-Mn-Ga. In INTERMETALLICS. ISSN 0966-9795, 2013, vol. 32, pp. 151., WOS

ADCA319 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. (2.866 - IF2009). (2010 - Current Contents). ISSN 1050-2947.

Ohlasy:

[1.1] HEGERFELDT, G. C. - MAYATO, R. Sala. Discriminating between the von Neumann and Luders reduction rule. In PHYSICAL REVIEW A. ISSN 1050-2947, 2012, vol. 85, no. 3, 032116., WOS

[1.1] YAO, Yao - GE, Li - XIAO, Xing - WANG, Xiaoguang - SUN, C. P. Multiple phase estimation for arbitrary pure states under white noise. In PHYSICAL REVIEW A. ISSN 1050-2947, 2014, vol. 90, no. 6, 032116., WOS

ADCA320 HEINOSAARI, T. - REITZNER, Daniel - STAÑO, Peter. Notes on joint measurability of quantum observables. In *Foundations of Physics*, 2008, vol. 38, p. 1133-1147. (2008 - Current Contents). ISSN 0015-9018.

Ohlasy:

[1.1] HAAPASALO, E. - HEINOSAARI, T. - PELLONPAA, J.P. When do pieces determine the whole? Extreme marginals of a completely positive map. In REVIEWS IN MATHEMATICAL PHYSICS. ISSN 0129-055X, 2014, vol. 26, no. 2, 1450002., WOS

[1.1] HEUNEN, Chris - FRITZ, Tobias - REYES, Manuel L. Quantum theory realizes all joint measurability graphs. In PHYSICAL REVIEW A. ISSN 1050-2947, 2014, vol. 89, no. 3, 032121., WOS

[1.1] KUNJWAL, Ravi - GHOSH, Sibasish. Minimal state-dependent proof of measurement contextuality for a qubit. In PHYSICAL REVIEW A. ISSN 1050-2947, 2014, vol. 89, no. 4, 042118., WOS

[1.1] KUNJWAL, Ravi - HEUNEN, Chris - FRITZ, Tobias. Quantum realization of arbitrary joint measurability structures. In PHYSICAL REVIEW A. ISSN 1050-2947, 2014, vol. 89, no. 5, 052126., WOS

[1.1] LIANG, Yeong-Cherng - SPEKKENS, Robert W. - WISEMAN, Howard M. Specker's parable of the overprotective seer: A road to contextuality, nonlocality and complementarity. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS, 2011, vol.506, no.1-2, p. 1-39., WOS

[1.1] QUINTINO, Marco Tulio - VERTESI, Tamas - BRUNNER, Nicolas. Joint Measurability, Einstein-Podolsky-Rosen Steering, and Bell Nonlocality. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2014, vol. 113, no. 16, 160402., WOS

ADCA321 HENLEY, C.L. - MIHALKOVIČ, Marek - WIDOM, M. Total-energy-based structure prediction for d(AlNiCo). In *Journal of Alloys and Compounds*, 2002, vol. 342, p. 221- 227. (0.953 - IF2001). (2002 - Current Contents, WOS, SCOPUS).

Ohlasy:

[1.1] ABE, Eiji. Electron microscopy of quasicrystals where are the atoms? In *CHEMICAL SOCIETY REVIEWS*. ISSN 0306-0012, 2012, vol. 41, no. 20, pp. 6787., WOS

ADCA322 HILLERY, M. - ZIMAN, Mário - BUŽEK, Vladimír. Approximate programmable quantum processors. In *Physical Review A*, 2006, vol. 73, no. 2, 022345. (2006 - Current Contents, SCOPUS). ISSN 1050-2947.

Ohlasy:

[1.1] KIM, Jeong San - GOUR, Gilad - SANDERS, Barry C. Limitations to sharing entanglement. In *CONTEMPORARY PHYSICS*. ISSN 0010-7514, 2012, vol. 53, no. 5, pp. 417., WOS

[1.1] KIM, Jeong San. General polygamy inequality of multiparty quantum entanglement. In *PHYSICAL REVIEW A*. ISSN 1050-2947, 2012, vol. 85, no. 6, 062302., WOS

[1.1] MIKOVA, Martina - FIKEROVA, Helena - STRAKA, Ivo - MICUDA, Michal - FIURASEK, Jaromir - JEZEK, Miroslav - DUSEK, Miloslav. Increasing efficiency of a linear-optical quantum gate using electronic feed-forward. In *PHYSICAL REVIEW A*. ISSN 1050-2947, 2012, vol. 85, no. 1, 012305., WOS

ADCA323 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.

Ohlasy:

[1.1] MIKOVA, Martina - FIKEROVA, Helena - STRAKA, Ivo - MICUDA, Michal - FIURASEK, Jaromir - JEZEK, Miroslav - DUSEK, Miloslav. Increasing efficiency of a linear-optical quantum gate using electronic feed-forward. In *PHYSICAL REVIEW A*. ISSN 1050-2947, 2012, vol. 85, no. 1, 012305., WOS

[1.1] ZHOU, T. In *QUANTUM INFORMATION AND COMPUTATION*, 2012, vol. 12, pp. 1017., WOS

[1.2] ZHOU, Tao. Success probabilities for universal unambiguous discriminators between unknown pure states. In *Physical Review A Atomic, Molecular, and Optical Physics*. ISSN 10502947, 2014-03-01, 89, 1, 014301., SCOPUS

ADCA324 HILLERY, M. - BUŽEK, Vladimír. Quantum copying: Fundamental inequalities. In *Physical Review A*, 1997, vol. 56, no. 2, p. 1212-1216. ISSN 1050-2947.

Ohlasy:

[1.1] FAN, Heng - WANG, Yi-Nan - JING, Li - YUE, Jie-Dong - SHI, Han-Duo - ZHANG, Yong-Liang - MU, Liang-Zhu. Quantum cloning machines and the applications. In *PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS*. ISSN 0370-1573, 2014, vol. 544, no. 3, pp. 241., WOS

[1.1] GENKINA, Dina - CHIRIBELLA, Giulio - HARDY, Lucien. Optimal

probabilistic simulation of quantum channels from the future to the past. In PHYSICAL REVIEW A. ISSN 1050-2947, 2012, vol. 85, no. 2, 022330., WOS

[1.1] LIAN-FANG, Han - HAO, Yuan - MING, Yang - ZHUO-LIANG, Cao. Assisted cloning of an arbitrary unknown two-qubit state via a genuine four-qubit entangled state and positive operator-valued measure. In INDIAN JOURNAL OF PURE & APPLIED PHYSICS. ISSN 0019-5596, 2014, vol. 52, no. 8, pp. 563., WOS

[1.1] MA SONG-YA - CHEN XIU-BO - TANG PING - NIU XIN-XIN - YANG YI-XIAN. Scheme for Cloning a Three-Particle GHZ Class State with Assistance. In COMMUNICATIONS IN THEORETICAL PHYSICS, 2011, vol.55, no.5, 771., WOS

[1.1] MA SONG-YA - LUO MING-XING - SUN YING. Deterministic assisted clone of an unknown four-particle entangled cluster-type state. In CHINESE PHYSICS B. ISSN 1674-1056, 2013, vol. 22, no. 11, 110304., WOS

[1.1] RASTEGIN, Alexey E. OPTIMAL CLONING WITH RESPECT TO THE RELATIVE ERROR. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION, 2011, vol.9, no.5, 1341., WOS

[1.1] YUAN, Hao - HAN, Lian-Fang. Assisted Cloning and Orthogonal Complementing of an Arbitrary Unknown Two-Qubit State with chi-Type Entangled States. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2013, vol. 52, no. 4, pp. 1282., WOS

[1.1] ZHAN, You-Bang. Deterministic Joint Assisted Cloning of Unknown Two-Qubit Entangled States. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2012, vol. 51, no. 6, pp. 1655., WOS

ADCA325 HILLERY, M. - BUŽEK, Vladimír. Quantum machines. Vladimír Bužek. In *Contemporary Physics*, 2009, vol. 50, no. 5, p. 575-586. ISSN 0010-7514.

Ohlasy:

[1.1] MISHRA, D.K. Unambiguous discrimination of two squeezed states. In OPTICS COMMUNICATIONS, 2012, vol. 285, no. 6, pp. 1560-1565., WOS

ADCA326 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] ALDANA, Samuel - WANG, Ying-Dan - BRUDER, C. Greenberger-Horne-Zeilinger generation protocol for N superconducting transmon qubits capacitively coupled to a quantum bus. In PHYSICAL REVIEW B, 2011, vol.84, no.13., WOS

[1.1] AOLITA, L. Fully nonlocal, monogamous and random genuinely multipartite quantum correlations. In PHYSICAL REVIEW LETTERS, 2012, vol. 108, 100401., WOS

[1.1] AVELAR, A.T. In PHYSICAL REVIEW A, 2013, vol. 88, 032308., WOS

[1.1] BAI, M.-Q. In QUANTUM INFORMATION PROCESSING, 2013, vol. 12, pp. 1053., WOS

[1.1] BAI, M.-Q. Quantum three-qubit w-state. In MODERN PHYSICS LETTERS B, 2012, vol. 26, 1250208., WOS

[1.1] BANERJEE, Anindita - PATEL, Kamal - PATHAK, Anirban. Comment on "Quantum Teleportation via GHZ-Like State" In

INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2011, vol.50, no.2, 507., WOS

[1.1] BANERJEE, Anindita - PATHAK, Anirban. Maximally efficient protocols for direct secure quantum communication. In PHYSICS LETTERS A. ISSN 0375-9601, 2012, vol. 376, no. 45, pp. 2944., WOS

[1.1] BASTOS, W. P. - CARDOSO, W. B. - AVELAR, A. T. - DE ALMEIDA, N. G. - BASEIA, B. Controlled teleportation via photonic Faraday rotations in low-Q cavities. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2012, vol. 11, no. 6, pp. 1867., WOS

[1.1] BRUNNER, Nicolas - SHARAM, James - VERTESI, Tamas. Testing the Structure of Multipartite Entanglement with Bell Inequalities. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2012, vol. 108, no. 11, 110501., WOS

[1.1] BUGU, S. In PHYSICAL REVIEW A, 2013, vol. 87, 032331., WOS

[1.1] CAO, C. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B, 2013, vol. 30, pp. 2136., WOS

[1.1] CAO, C. In OPTICS EXPRESS, 2013, vol. 21, pp. 4093., WOS

[1.1] CARDOSO, W. B. - DE ALMEIDA, N. G. - AVELAR, A. T. - BASEIA, B. Splitting of quantum information in travelling wave fields using only linear optical elements. In JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS, 2011, vol.44, no.4., WOS

[1.1] COECKE, Bob - DUNCAN, Ross - KISSINGER, Aleks - WANG, Quanlong. Strong Complementarity and Non-locality in Categorical Quantum Mechanics. In 2012 27TH ANNUAL ACM/IEEE SYMPOSIUM ON LOGIC IN COMPUTER SCIENCE (LICS). ISSN 1043-6871, 2012, pp. 245., WOS

[1.1] COHEN, Scott M. When a quantum measurement can be implemented locally, and when it cannot. In PHYSICAL REVIEW A, 2011, vol.84, no.5., WOS

[1.1] COHEN, S.M. In PHYSICAL REVIEW A, 2013, vol. 87, 052135., WOS

[1.1] CONG, Cao - CHUAN, Wang - RU, Zhang. Entanglement concentration for an arbitrary hybrid less-entangled state and W state using quantum dots and a microcavity coupled system. In CHINESE PHYSICS B. ISSN 1674-1056, 2012, vol. 21, no. 11, 110305., WOS

[1.1] DADA, Adetunmise C. - LEACH, Jonathan - BULLER, Gerald S. - PADGETT, Miles J. - ANDERSSON, Erika. Experimental high-dimensional two-photon entanglement and violations of generalized Bell inequalities. In NATURE PHYSICS, 2011, vol.7, no.9, 677., WOS

[1.1] DAI, Li - KWEK, L. C. Realizing the Multiparticle Hanbury Brown-Twiss Interferometer Using Nitrogen-Vacancy Centers in Diamond Crystals. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2012, vol. 108, no. 6, 066803., WOS

[1.1] DE VICENTE, Julio I. - HUBER, Marcus. Multipartite entanglement detection from correlation tensors. In PHYSICAL REVIEW A, 2011, vol.84, no.6., WOS

[1.1] DENG, Fu-Guo. One-step error correction for multipartite polarization entanglement. In PHYSICAL REVIEW A, 2011, vol.83, no.6., WOS

[1.1] DHAR, H.S. In PHYSICAL REVIEW LETTERS, 2013, vol. 111, 070501., WOS

[1.1] DING, D. In ACTA PHYSICA SINICA, 2013, vol. 62, 010302., WOS

[1.1] DONG, Li - XIU, Xiao-Ming - GAO, Ya-Jun - REN, Yuan-Peng - LIU,

Hui-Wei. Controlled three-party communication using GHZ-like state and imperfect Bell-state measurement. In OPTICS COMMUNICATIONS, 2011, vol.284, no.3, 905., WOS

[1.1] DU, Fang-Fang - LI, Tao - REN, Bao-Cang - WEI, Hai-Rui - DENG, Fu-Guo. Single-photon-assisted entanglement concentration of a multiphoton system in a partially entangled W state with weak cross-Kerr nonlinearity. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS. ISSN 0740-3224, 2012, vol. 29, no. 6, pp. 1399., WOS

[1.1] DU, Ruigang - SUN, Zhiwei - WANG, Banghai - LONG, Dongyang. Quantum Secret Sharing of Secure Direct Communication Using One-Time Pad. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2012, vol. 51, no. 9, pp. 2727., WOS

[1.1] ERDOSI, D. In NEW JOURNAL OF PHYSICS, 2013, vol. 15, 023033., WOS

[1.1] FANG, Bao-Long - YE, Liu. Scheme for implementing W state, Greenberger-Horne-Zeilinger state, and cluster state via cavity-assisted interaction. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS. ISSN 0740-3224, 2012, vol. 29, no. 4, pp. 841., WOS

[1.1] FILIPPOV, S.N. In PHYSICAL REVIEW A, 2013, vol. 88, 062328., WOS

[1.1] FORTESCUE, Ben - GOUR, Gilad. Reducing the Quantum Communication Cost of Quantum Secret Sharing. In IEEE TRANSACTIONS ON INFORMATION THEORY. ISSN 0018-9448, 2012, vol. 58, no. 10, pp. 6659., WOS

[1.1] FROEWIS, F. - DUER, W. Stability of encoded macroscopic quantum superpositions. In PHYSICAL REVIEW A. ISSN 1050-2947, 2012, vol. 85, no. 5, 0520329., WOS

[1.1] GABRIEL, A. In EPL, 2013, vol. 101, 30003., WOS

[1.1] GABRIEL, A. In NEW JOURNAL OF PHYSICS, 2013, vol. 15, 073033., WOS

[1.1] GAO GAN - FANG MING - CHENG MU-TIAN. Cryptanalysis and Improvement of a Quantum Network System of QSS-QDC Using chi-Type Entangled States. In CHINESE PHYSICS LETTERS. ISSN 0256-307X, 2012, vol. 29, no. 11, 110305., WOS

[1.1] GAO, Fei - QIN, Su-Juan - GUO, Fen-Zhuo - WEN, Qiao-Yan. Dense-Coding Attack on Three-Party Quantum Key Distribution Protocols. In IEEE JOURNAL OF QUANTUM ELECTRONICS, 2011, vol.47, no.5, 630., WOS

[1.1] GAO, Fei - QIN, Su-Juan - GUO, Fen-Zhuo - WEN, Qiao-Yan. Cryptanalysis of the arbitrated quantum signature protocols. In PHYSICAL REVIEW A, 2011, vol.84, no.2., WOS

[1.1] GAO, Fei - QIN, Su-Juan - WEN, Qiao-Yan - ZHU, Fu-Chen. CRYPTANALYSIS OF THE QSDC PROTOCOL WITHOUT USING PERFECT QUANTUM CHANNEL. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION. ISSN 0219-7499, 2012, vol. 10, no. 4, 1250054., WOS

[1.1] GAO, Gan - FANG, Ming - WANG, Li-Ping - CUI, Xue-Ying. Individual Attack on the Improved Multiparty Quantum Secret Sharing Protocol. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2011, vol.50, no.6, 1726., WOS

- [1.1] GAO, Gan. A note on Wang et al's attack on Zhang et al's multiparty quantum secret sharing. In PHYSICA SCRIPTA. ISSN 0031-8949, 2012, vol. 86, no. 2, 025004., WOS
- [1.1] GAO, Gan. Eavesdropping on the improved three-party quantum secret sharing protocol. In OPTICS COMMUNICATIONS, 2011, vol.284, no.3, 902., WOS
- [1.1] GHEORGHIU, Vlad. Generalized semiquantum secret-sharing schemes. In PHYSICAL REVIEW A. ISSN 1050-2947, 2012, vol. 85, no. 5, 052309., WOS
- [1.1] GHEORGHIU, V. In PHYSICAL REVIEW A, 2013, vol. 88, 022340., WOS
- [1.1] GHIU, Iulia. GENERALIZED TELEBROADCASTING OF ENTANGLEMENT. In ROMANIAN JOURNAL OF PHYSICS. ISSN 1221-146X, 2012, vol. 57, no. 7-8, pp. 1046., WOS
- [1.1] GIAMPAOLO, S.M. In PHYSICAL REVIEW A, 2013, vol. 88, 052305., WOS
- [1.1] GOUR, Gilad - WALLACH, Nolan R. Necessary and sufficient conditions for local manipulation of multipartite pure quantum states. In NEW JOURNAL OF PHYSICS, 2011, vol.13, no., WOS
- [1.1] GOUR, G. In PHYSICAL REVIEW LETTERS, 2013, vol. 111, 060502., WOS
- [1.1] GUO, F.Z. In QUANTUM INFORMATION PROCESSING, 2013, vol. 12, pp. 2793., WOS
- [1.1] GU, Bin - HUANG, Yugai - FANG, Xia - CHEN, Yulin. Robust Quantum Secure Communication with Spatial Quantum States of Single Photons. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2013, vol. 52, no. 12, pp. 4461., WOS
- [1.1] GU, Bin - QUAN, Dong-hui - XIAO, Shao-rong. Multi-photon Entanglement Concentration Protocol for Partially Entangled W States with Projection Measurement. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2012, vol. 51, no. 9, pp. 2966., WOS
- [1.1] GU, Bin - XU, Fei - DING, Liuguan - ZHANG, Yanan. High-Capacity Three-Party Quantum Secret Sharing With Hyperentanglement. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2012, vol. 51, no. 11, pp. 3559., WOS
- [1.1] GU, Bin. Single-photon-assisted entanglement concentration of partially entangled multiphoton W states with linear optics. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS. ISSN 0740-3224, 2012, vol. 29, no. 7, pp. 1685., WOS
- [1.1] HAN, Lian-Fang - YUAN, Hao. REMOTE PREPARATION OF TWO-QUBIT ENTANGLED STATE VIA ONE-DIMENSIONAL FOUR-QUBIT CLUSTER AND CLUSTER-CLASS STATES. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION, 2011, vol.9, no.1, 539., WOS
- [1.1] HAO, Sheng-Bin - YU, Bo. Multiparty Quantum Secret Information Sharing in Enterprise Management Based on Single Qubit with Random Rotation Angle. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2012, vol. 51, no. 6, pp. 1674., WOS
- [1.1] HAO, S.-Y. In JOURNAL OF THE OPTICAL SOCIETY OF

AMERICA B, 2013, vol. 30, pp. 468., WOS

[1.1] HERBAUTS, I. In OPTICS EXPRESS, 2013, vol. 21, pp. 29013., WOS

[1.1] HE, Q.Y. In PHYSICAL REVIEW LETTERS, 2013, vol. 111, 250403., WOS

[1.1] HONG, Chang Ho - HEO, Jin O. - LIM, Jong In - YANG, Hyung Jin. Multi-user quantum network system and quantum communication using chi-type entangled states. In JOURNAL OF THE KOREAN PHYSICAL SOCIETY. ISSN 0374-4884, 2012, vol. 61, no. 1, pp. 1., WOS

[1.1] HONG, Chang Ho - HEO, Jin O. - LIM, Jong In - YANG, Hyung Jin. A Quantum Network System of QSS-QDC Using chi-Type Entangled States. In CHINESE PHYSICS LETTERS. ISSN 0256-307X, 2012, vol. 29, no. 5, 050303., WOS

[1.1] HOU, Kui - LIU, Guo-Hong - ZHANG, Xue-Yong - SHENG, Shou-Qi. An efficient scheme for five-party quantum state sharing of an arbitrary m-qubit state using multiqubit cluster states. In QUANTUM INFORMATION PROCESSING, 2011, vol.10, no.4, 463., WOS

[1.1] HSIEH, M. H. - YEN, W. T. - HSU, L. Y. Undetermined states: how to find them and their applications. In EUROPEAN PHYSICAL JOURNAL D, 2011, vol.61, no.1, 261., WOS

[1.1] HUANG, Guo-Qiang - LUO, Cui-Lan. Splitting Quantum Information with Five-Atom Cluster State in Cavity QED. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2011, vol.50, no.2, 401., WOS

[1.1] HUANG, J. S. - OH, C. H. - WEI, L. F. Testing tripartite Mermin inequalities by spectral joint measurements of qubits. In PHYSICAL REVIEW A, 2011, vol.83, no.6., WOS

[1.1] HUANG, W. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2013, vol. 52, pp. 1354., WOS

[1.1] HUANG, W. In SCIENCE CHINA-PHYSICS MECHANICS A. ASTRONOMY, 2013, vol. 56, pp. 1670., WOS

[1.1] HUBER, Marcus - PLESCH, Martin. Purification of genuine multipartite entanglement. In PHYSICAL REVIEW A, 2011, vol.83, no.6., WOS

[1.1] HU, Taotao - REN, Hang - XUE, Kang. Tripartite entanglement sudden death in Yang-Baxter systems. In QUANTUM INFORMATION PROCESSING, 2011, vol.10, no.5, 705., WOS

[1.1] HWANG, Cheng-Chieh - HWANG, Tzonelih - LI, Chuan-Ming. Enhancement of GAO's Multiparty Quantum Secret Sharing. In COMMUNICATIONS IN THEORETICAL PHYSICS, 2011, vol.56, no.1, 79., WOS

[1.1] HWANG, Tzonelih - HWANG, Cheng-Chieh - YANG, Chun-Wei - LI, Chuan-Ming. Revisiting Deng et al.'s Multiparty Quantum Secret Sharing Protocol. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2011, vol.50, no.9, 2790., WOS

[1.1] HWANG, T. - HWANG, C. C. - TSAI, C. W. Quantum key distribution protocol using dense coding of three-qubit W state. In EUROPEAN PHYSICAL JOURNAL D, 2011, vol.61, no.3, 785., WOS

[1.1] CHANG, Yao-Jen - TSAI, Chia-Wei - HWANG, Tzonelih. Multi-user private comparison protocol using GHZ class states. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2013, vol. 12, no. 2, pp. 1077., WOS

[1.1] CHANG, Y. In CHINESE SCIENCE BULLETIN, 2013, vol. 58, pp.

4571., WOS

[1.1] CHANG, Y. In CHINESE PHYSICS LETTERS, 2013, vol. 30, 060301., WOS

[1.1] CHANG, Y. In CHINESE PHYSICS LETTERS, 2013, vol. 30, 090301., WOS

[1.1] CHEN ZI-HONG - ZHANG FENG-YANG - SHI YING - SONG HE-SHAN. Transferring Three-Dimensional Quantum States and Implementing a Quantum Phase Gate Based on Resonant Interaction between Distant Atoms. In CHINESE PHYSICS LETTERS. ISSN 0256-307X, 2012, vol. 29, no. 9, 090304., WOS

[1.1] CHEN, Mei-Feng - WANG, Ping - MA, Song-She. One-step generation of four-dimensional entanglement via adiabatic passage in cavity quantum electrodynamics. In OPTICS COMMUNICATIONS. ISSN 0030-4018, 2012, vol. 285, no. 21-22, pp. 4612., WOS

[1.1] CHEN, Xiang - JIANG, Min - CHEN, XiaoPing - LI, Hui. Quantum state sharing of an arbitrary three-qubit state by using three sets of W-class states. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2013, vol. 12, no. 7, pp. 2405., WOS

[1.1] CHEN, Xiu-Bo - NIU, Xin-Xin - ZHOU, Xin-Jie - YANG, Yi-Xian. Multi-party quantum secret sharing with the single-particle quantum state to encode the information. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2013, vol. 12, no. 1, pp. 365., WOS

[1.1] CHEN, Xiu-Bo - YANG, Shuai - SU, Yuan - YANG, Yi-Xian. Cryptanalysis on the improved multiparty quantum secret sharing protocol based on the GHZ state. In PHYSICA SCRIPTA. ISSN 0031-8949, 2012, vol. 86, no. 5, 055002., WOS

[1.1] CHEN, X. In COMMUNICATIONS IN THEORETICAL PHYSICS, 2013, vol. 60, pp. 421., WOS

[1.1] CHEN, X.-B. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION, 2013, vol. 11, 1350010., WOS

[1.1] CHEN, Ye-Hong - XIA, Yan - SONG, Jie. Effective protocol for generation of multiple atoms entangled states in two coupled cavities via adiabatic passage. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2013, vol. 12, no. 12, pp. 3771., WOS

[1.1] CHEN, Zi-hong - PEI, Pei - ZHANG, Feng-yang - SONG, He-shan. One-step preparation of three-particle Greenberger-Horne-Zeilinger states in cavity quantum electrodynamics. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS. ISSN 0740-3224, 2012, vol. 29, no. 7, pp. 1744., WOS

[1.1] CHITAMBAR, Eric. Local Quantum Transformations Requiring Infinite Rounds of Classical Communication. In PHYSICAL REVIEW LETTERS, 2011, vol.107, no.19., WOS

[1.1] CHIURI, A. - GREGANTI, C. - PATERNOSTRO, M. - VALLONE, G. - MATALONI, P. Experimental Quantum Networking Protocols via Four-Qubit Hyperentangled Dicke States. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2012, vol. 109, no. 17, 173604., WOS

[1.1] CHOI, R.H. In PHYSICAL REVIEW A, 2013, vol. 87, 032319., WOS

[1.1] CHOI, Yun Jin - PARK, Young-Jai - KIM, Chil-Min - KIM, Jaewan. Multipartite Quantum Secret Sharing Using a Single Not-so-weak Qubit. In JOURNAL OF THE KOREAN PHYSICAL SOCIETY, 2011, vol.59, no.4,

2658., WOS

[1.1] CHOUDHURY, B.S. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2013, vol. 52, pp. 3965., WOS

[1.1] CHOUDHURY, B.S. In QUANTUM INFORMATION PROCESSING, 2013, vol. 12, pp. 2577., WOS

[1.1] CHOU, Y-H - CHEN, C-Y - FAN, R-K - CHAO, H-C - LIN, F-J. Enhanced multiparty quantum secret sharing of classical messages by using entanglement swapping. In IET INFORMATION SECURITY. ISSN 1751-8709, 2012, vol. 6, no. 2, pp. 84., WOS

[1.1] JI QI-BIN - LIU YI-MIN - LIU XIAN-SONG - YIN XIAO-FENG - ZHANG ZHAN-JUN. Single-Qubit Operation Sharing with Bell and W Product States. In COMMUNICATIONS IN THEORETICAL PHYSICS. ISSN 0253-6102, 2013, vol. 60, no. 2, pp. 165., WOS

[1.1] JIANG MIN - HUANG XU - ZHOU LIULEI - ZHOU YIMING - ZENG JIA. An efficient scheme for multi-party quantum state sharing via non-maximally entangled states. In CHINESE SCIENCE BULLETIN. ISSN 1001-6538, 2012, vol. 57, no. 10, pp. 1089., WOS

[1.1] JIANG, Min - DONG, Daoyi - WU, Rebing. Multiple independent quantum states sharing under collaboration of agents in quantum networks. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2012, vol. 11, no. 6, pp. 1829., WOS

[1.1] JIANG, Min - CHEN, Xiang - HUANG, Xu - LI, Hui. Probabilistic teleportation of an arbitrary three-qubit state by using three sets of W-class states. In OPTIK. ISSN 0030-4026, 2013, vol. 124, no. 11, pp. 1058., WOS

[1.1] JIANG, M. In QUANTUM INFORMATION PROCESSING, 2013, vol. 12, pp. 237., WOS

[1.1] JIA, Heng-Yue - WEN, Qiao-Yan - SONG, Ting-Ting - GAO, Fei. Quantum protocol for millionaire problem. In OPTICS COMMUNICATIONS, 2011, vol.284, no.1, 545., WOS

[1.1] JIA, Heng-Yue - WEN, Qiao-Yan - GAO, Fei - QIN, Su-Juan - GUO, Fen-Zhuo. Dynamic quantum secret sharing. In PHYSICS LETTERS A. ISSN 0375-9601, 2012, vol. 376, no. 10-11, pp. 1035., WOS

[1.1] JIA, Heng-Yue - WEN, Qiao-Yan - LI, Yan-Bing - GAO, Fei. Quantum Private Comparison Using Genuine Four-Particle Entangled States. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2012, vol. 51, no. 4, pp. 1187., WOS

[1.1] JIMENEZ, Omar - MUNOZ, Carlos - KLIMOV, Andrei B. - DELGADO, Aldo. SHARING OF D-DIMENSIONAL QUANTUM STATES. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION. ISSN 0219-7499, 2012, vol. 10, no. 2, 1250003., WOS

[1.1] JIN, Zhao - JI, Yan-Qiang - SU, Shi-Lei - SI, Bin - WANG, Hong-Fu - ZHANG, Shou - ZHU, Ai-Dong. NONDESTRUCTIVE ENTANGLEMENT ANALYSIS AND GENERATION WITH ATOMS IN LOW-Q CAVITIES ASSISTED BY COHERENT LIGHT. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION. ISSN 0219-7499, 2013, vol. 11, no. 6, 1350055., WOS

[1.1] JI, Qibin - LIU, Yimin - YIN, Xiaofeng - LIU, Xiansong - ZHANG, Zhanjun. Quantum operation sharing with symmetric and asymmetric W states. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2013, vol. 12, no. 7, pp. 2453., WOS

- [1.1] JI, Y.-Q. In OPTICS COMMUNICATIONS, 2013, vol. 303, pp. 56., WOS
- [1.1] JUN, Jin Woo. Three-particle entanglement swapping in an imperfect channel. In JOURNAL OF THE KOREAN PHYSICAL SOCIETY. ISSN 0374-4884, 2012, vol. 61, no. 3, pp. 499., WOS
- [1.1] JUN, J.W. In EUROPEAN PHYSICAL JOURNAL, 2013, vol. 67, 237., WOS
- [1.1] KANG, S.-Y. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2013, vol. 52, pp. 3413., WOS
- [1.1] KANG, Y.-H. In CENTRAL EUROPEAN JOURNAL OF PHYSICS, 2013, vol. 11, pp. 1030., WOS
- [1.1] KARIMIPOUR, Vahid - MARVIAN, Milad. SECURE QUANTUM CARRIERS FOR QUANTUM STATE SHARING. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION. ISSN 0219-7499, 2012, vol. 10, no. 2, 1250018., WOS
- [1.1] LAU, Hoi-Kwan - LO, Hoi-Kwong. Insecurity of position-based quantum-cryptography protocols against entanglement attacks. In PHYSICAL REVIEW A, 2011, vol.83, no.1., WOS
- [1.1] LI CHUN-YAN - LI YAN-SONG. Fault-Tolerate Three-Party Quantum Secret Sharing over a Collective-Noise Channel. In CHINESE PHYSICS LETTERS, 2011, vol.28, no.2., WOS
- [1.1] LI JIAN - JIN HAIFEI - JING BO. Improved quantum "Ping-pong" protocol based on GHZ state and classical XOR operation. In SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY, 2011, vol.54, no.9, 1612., WOS
- [1.1] LI JIAN - JIN HAIFEI - JING BO. Improved Security Detection Strategy for Quantum "Ping-Pong" Protocol and Its Security Analysis. In CHINA COMMUNICATIONS, 2011, vol.8, no.3, 170., WOS
- [1.1] LI JIAN - JIN HAIFEI - JING BO. Improved eavesdropping detection strategy based on four-particle cluster state in quantum direct communication protocol. In CHINESE SCIENCE BULLETIN. ISSN 1001-6538, 2012, vol. 57, no. 34, pp. 4434., WOS
- [1.1] LI JIAN - SONG DAN-JIE - GUO XIAO-JING - JING BO. A quantum secure direct communication protocol based on a five-particle cluster state and classical XOR operation. In CHINESE PHYSICS C. ISSN 1674-1137, 2012, vol. 36, no. 1, pp. 31., WOS
- [1.1] LI JIAN - YE XINXIN - LI RUIFAN - ZOU YONGZHONG - LU XIAOFENG. Improved Eavesdropping Detection Strategy Based on Extended Three-particle Greenberger-Horne-Zeilinger State in Two-step Quantum Direct Communication Protocol. In CHINESE JOURNAL OF ELECTRONICS. ISSN 1022-4653, 2012, vol. 21, no. 4, pp. 736., WOS
- [1.1] LI KAI - LIU YUANYUAN - HE KEHAI - HUANG XIAO-YING - CHEN, J - YU, F - CHEN, W - LU, Y - LONG, H. A Quantum Secret Sharing scheme with High Efficiency Based on Bell States. In 2012 INTERNATIONAL SYMPOSIUM ON INFORMATION SCIENCE AND ENGINEERING (ISISE). ISSN 2160-1283, 2012, pp. 418., WOS
- [1.1] LI WEI - FAN MING-YU - WANG GUANG-WEI. An arbitrated quantum signature scheme based on entanglement swapping with signer anonymity. In CHINESE PHYSICS B. ISSN 1674-1056, 2012, vol. 21, no. 12, 120305., WOS

- [1.1] LI YUAN-HUA - LIU JUN-CHANG - NIE YI-YOU. Quantum Information Splitting of an Arbitrary Three-Qubit State by Using Cluster States and Bell States. In COMMUNICATIONS IN THEORETICAL PHYSICS, 2011, vol.55, no.3, 421., WOS
- [1.1] LI YUAN-HUA - NIE YI-YOU. Quantum Information Splitting of an Arbitrary Three-Atom State by Using W-class States in Cavity QED. In COMMUNICATIONS IN THEORETICAL PHYSICS. ISSN 0253-6102, 2012, vol. 57, no. 6, pp. 995., WOS
- [1.1] LIAO, Ci-Hong - YANG, Chun-Wei - HWANG, Tzonelih. Comment on "Dynamic quantum secret sharing". In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2013, vol. 12, no. 10, pp. 3143., WOS
- [1.1] LIAO, C. In QUANTUM INFORMATION PROCESSING, 2013, vol. 12, pp. 3143., WOS
- [1.1] LIN, Jason - HWANG, Tzonelih. An enhancement on Shi et al.'s multiparty quantum secret sharing protocol. In OPTICS COMMUNICATIONS, 2011, vol.284, no.5, 1468., WOS
- [1.1] LIN, Jason - HWANG, Tzonelih. Bell state entanglement swappings over collective noises and their applications on quantum cryptography. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2013, vol. 12, no. 2, pp. 1089., WOS
- [1.1] LIN, S. In QUANTUM INFORMATION PROCESSING, 2013, vol. 12, pp. 559., WOS
- [1.1] LIU, A.-P. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2013, vol. 52, pp. 3892., WOS
- [1.1] LIU, Bin - GAO, Fei - WEN, Qiao-Yan. Single-Photon Multiparty Quantum Cryptographic Protocols with Collective Detection. In IEEE JOURNAL OF QUANTUM ELECTRONICS, 2011, vol.47, no.11, 1383., WOS
- [1.1] LIU, Bin - GAO, Fei - WEN, Qiao-Yan. Eavesdropping and Improvement to Multiparty Quantum Secret Sharing with Collective Eavesdropping-Check. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2012, vol. 51, no. 4, pp. 1211., WOS
- [1.1] LIU, B. In QUANTUM INFORMATION PROCESSING, 2013, vol. 12, pp. 887., WOS
- [1.1] LIU, B. In QUANTUM INFORMATION PROCESSING, 2013, vol. 12, pp. 1797., WOS
- [1.1] LIU, Dan - CONG, Yan - MA, Wei. Single-qubit-assisted entanglement concentration of partially entangled multi-electron spin W states. In PHYSICA SCRIPTA. ISSN 0031-8949, 2012, vol. 86, no. 4, 045006., WOS
- [1.1] LIU, Daochu - LIU, Yimin - XIE, Chuanmei - YIN, Xiaofeng - LIU, Xiansong - ZHANG, Zhanjun. Shared quantum control via sharing operation on remote single qutrit. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2013, vol. 12, no. 11, pp. 3527., WOS
- [1.1] LIU, D. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION, 2013, vol. 11, 1350011., WOS
- [1.1] LIU, Lin-Lin - TSAI, Chia-Wei - HWANG, Tzonelih. Quantum Secret Sharing Using Symmetric W State. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2012, vol. 51, no. 7, pp. 2291., WOS
- [1.1] LIU, Q. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B, 2013, vol. 30, pp. 2263., WOS

- [1.1] LIU, Wenjie - LIU, Jingfa - XIAO, Hao - MA, Tinghuai - ZHENG, Yu - LIU, D - ZHANG, H - POLYCARPOU, M - ALIPPI, C - HE, H. Multiparty Simultaneous Quantum Secure Direct Communication Based on GHZ States and Mutual Authentication. In ADVANCES IN NEURAL NETWORKS ISSN 2011, PT III, 2011, vol.6677, no., 209., WOS
- [1.1] LIU, Xiao-Fen - PAN, Ri-Jing. Cryptanalysis of quantum secret sharing based on GHZ states. In PHYSICA SCRIPTA, 2011, vol.84, no.4., WOS
- [1.1] LIU, X.T. In PHYSICA SCRIPTA, 2013, vol. 87, 065004., WOS
- [1.1] LIU, Zhi-Hao - CHEN, Han-Wu - XU, Juan - LIU, Wen-Jie - LI, Zhi-Qiang. High-dimensional deterministic multiparty quantum secret sharing without unitary operations. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2012, vol. 11, no. 6, pp. 1785., WOS
- [1.1] LIU, Z. In QUANTUM INFORMATION PROCESSING, 2013, vol. 12, pp. 3745., WOS
- [1.1] LI, Bo - KWEK, Leong Chuan - FAN, Heng. Detecting genuine multipartite correlations in terms of the rank of coefficient matrix. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2012, vol. 45, no. 50, 505301., WOS
- [1.1] LI, Jian - JIN, Hai-Fei - JING, Bo. Improved Eavesdropping Detection Strategy in Quantum Direct Communication Protocol Based on Five-Particle Cluster State. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2012, vol. 51, no. 9, pp. 2759., WOS
- [1.1] LI, Jian - NIE, Jin-Rui - LI, Rui-Fan - JING, Bo. Improved Security Detection Strategy in Quantum Secure Direct Communication Protocol Based on Four-Particle Green-Horne-Zeilinger State. In ZEITSCHRIFT FÜR NATURFORSCHUNG SECTION A-A JOURNAL OF PHYSICAL SCIENCES. ISSN 0932-0784, 2012, vol. 67, no. 6-7, pp. 369., WOS
- [1.1] LI, Jian - SONG, Dan-Jie - GUO, Xiao-Jing - JING, Bo. Improved Quantum "Ping-Pong" Protocol Based on Five-Qubit GHZ State and Classical CNOT Operation. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2012, vol. 51, no. 1, pp. 292., WOS
- [1.1] LI, J. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2013, vol. 52, pp. 1583., WOS
- [1.1] LI, J. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION, 2013, vol. 11, 1350066., WOS
- [1.1] LI, Lvzhou - QIU, Daowen - HUANG, D - GAN, Y - PREMARATNE, P - HAN, K. Quantum Information Splitting Using GHZ-Type and W-Type States. In BIO-INSPIRED COMPUTING AND APPLICATIONS. ISSN 0302-9743, 2012, vol. 6840, pp. 231., WOS
- [1.1] LI, Qin - LONG, Dong Yang - CHAN, W. H. - QIU, Dao Wen. Sharing a quantum secret without a trusted party. In QUANTUM INFORMATION PROCESSING, 2011, vol.10, no.1, 97., WOS
- [1.1] LI, Q. In QUANTUM INFORMATION PROCESSING, 2013, vol. 12, pp. 2427., WOS
- [1.1] LI, T. In QUANTUM INFORMATION PROCESSING, 2013, vol. 12, pp. 855., WOS
- [1.1] LI, Wen-An - HUANG, Guang-Yao. Deterministic generation of a three-dimensional entangled state via quantum Zeno dynamics. In PHYSICAL REVIEW A, 2011, vol.83, no.2., WOS

- [1.1] LI, Wen-An - WEI, Lian-Fu. Controllable entanglement preparations between atoms in spatially-separated cavities via quantum Zeno dynamics. In OPTICS EXPRESS. ISSN 1094-4087, 2012, vol. 20, no. 12, pp. 13440., WOS
- [1.1] LI, Wen-An. Distributed qutrit-qutrit entanglement via quantum Zeno dynamics. In OPTICS COMMUNICATIONS, 2011, vol.284, no.8, 2245., WOS
- [1.1] LI, Ying - AOLITA, Leandro - KWEK, L. C. Photonic multiqubit states from a single atom. In PHYSICAL REVIEW A, 2011, vol.83, no.3., WOS
- [1.1] LI, Yuan-hua - LI, Xiao-lan - SANG, Ming-huang - NIE, Yi-you - WANG, Zi-sheng. Bidirectional controlled quantum teleportation and secure direct communication using five-qubit entangled state. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2013, vol. 12, no. 12, pp. 3835., WOS
- [1.1] LI, Yuan-hua - NIE, Yi-you. Quantum Information Splitting of an Arbitrary Two-Atom State by Using a Genuinely Entangled Five-Atom State in Cavity QED. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2012, vol. 51, no. 6, pp. 1806., WOS
- [1.1] LI, Yuan-hua - WANG, Xian-ping - SANG, Ming-huang - NIE, Yi-you. Quantum State Sharing of an Arbitrary Two-Atom State with a Genuine Six-Atom Entangled State in Cavity QED. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2012, vol. 51, no. 12, pp. 3757., WOS
- [1.1] LI, Y. B. - WEN, Q. Y. - GAO, F. - JIA, H. Y. - SUN, Y. Information leak in Liu et al.'s quantum private comparison and a new protocol. In EUROPEAN PHYSICAL JOURNAL D. ISSN 1434-6060, 2012, vol. 66, no. 4, 110., WOS
- [1.1] LI, Y. In COMMUNICATIONS IN THEORETICAL PHYSICS, 2013, vol. 59, pp. 32., WOS
- [1.1] LI, Y.-B. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2013, vol. 52, pp. 2818., WOS
- [1.1] LI, Y.-B. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2013, vol. 52, pp. 199., WOS
- [1.1] LI, Y.-B. In QUANTUM INFORMATION PROCESSING, 2013, vol. 12, pp. 2191., WOS
- [1.1] LI, Y.-H. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2013, vol. 52, pp. 961., WOS
- [1.1] LONG LIURONG - LI HONGWEI - ZHOU PING - FAN CHAO - YIN CAILIU. Multiparty-controlled teleportation of an arbitrary GHZ-class state by using a d-dimensional (N+2)-particle nonmaximally entangled state as the quantum channel. In SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY, 2011, vol.54, no.3, 484., WOS
- [1.1] LONG, Liu-Rong - ZHOU, Ping - LI, Zhao - YIN, Cai-Liu. Multiparty Joint Remote Preparation of an Arbitrary GHZ-Class State via Positive Operator-Valued Measurement. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2012, vol. 51, no. 8, pp. 2438., WOS
- [1.1] LONG, Yinxiang - QIU, Daowen - LONG, Dongyang. Quantum secret sharing of multi-bits by an entangled six-qubit state. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2012, vol. 45, no. 19, 195303., WOS
- [1.1] LUE, Xin-You - WU, Jing - ZHENG, Li-Li - ZHAN, Zhi-Ming.

- Voltage-controlled entanglement and quantum-information transfer between spatially separated quantum-dot molecules. In PHYSICAL REVIEW A, 2011, vol.83, no.4., WOS
- [1.1] LULLI, A. - BINA, M. - GENONI, M. G. Robustness of tripartite entanglement transfer from bosonic modes to localized qubits. In EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS. ISSN 1951-6355, 2012, vol. 203, no. 1, pp. 25., WOS
- [1.1] LUO, M.-X. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2013, vol. 52, pp. 2413., WOS
- [1.1] LUO, M.-X. In QUANTUM INFORMATION PROCESSING, 2013, vol. 12, pp. 773., WOS
- [1.1] LU, Huai-Xin - ZHAO, Jia-Qiang - WANG, Xiao-Qin. Characterization of a high-intensity three-qubit GHZ state using state tomography and Gisin's inequality. In PHYSICS LETTERS A, 2011, vol.375, no.18, 1850., WOS
- [1.1] MA SONG-SHE - CHEN MEI-FENG - JIANG XIA-PING. One-step generation of qutrit entanglement via adiabatic passage in cavity quantum electrodynamics. In CHINESE PHYSICS B, 2011, vol.20, no.12., WOS
- [1.1] MACCHIAVELLO, Ch. In PHYSICAL REVIEW A, 2013, vol. 87, 044301., WOS
- [1.1] MAN, Zhong-Xiao - XIA, Yun-Jie - FEI, Shao-Ming. Equation of motion for multiqubit entanglement in multiple independent noisy channels. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2012, vol. 45, no. 19, 195306., WOS
- [1.1] MARIN, A. In PHYSICAL REVIEW A, 2013, vol. 88, 042332., WOS
- [1.1] MASSOUD, Hadian Dehkordi - ELHAM, Fattahi. A novel and efficient multiparty quantum secret sharing scheme using entangled states. In SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY. ISSN 1674-7348, 2012, vol. 55, no. 10, pp. 1828., WOS
- [1.1] MEGIDISH, E. - SHACHAM, T. - HALEVY, A. - DOVRAT, L. - EISENBERG, H. S. Resource Efficient Source of Multiphoton Polarization Entanglement. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2012, vol. 108, no. 8, 080504., WOS
- [1.1] MENDONCA, Fabio Alencar - DE BRITO, Daniel Barbosa - RAMOS, Rubens Viana. AN OPTICAL SCHEME FOR QUANTUM MULTI-SERVICE NETWORK. In QUANTUM INFORMATION & COMPUTATION. ISSN 1533-7146, 2012, vol. 12, no. 7-8, pp. 620., WOS
- [1.1] MESLOUHI, A. In QUANTUM INFORMATION PROCESSING, 2013, vol. 12, pp. 2603., WOS
- [1.1] MEYER-SCOTT, E. In PHYSICAL REVIEW A, 2013, vol. 88, 012327., WOS
- [1.1] MISTA, J. In PHYSICAL REVIEW A, 2013, vol. 87, 062326., WOS
- [1.1] MURALIDHARAN, Sreraman - JAIN, Sakshi - PANIGRAHI, Prasanta K. Splitting of quantum information using N-qubit linear cluster states. In OPTICS COMMUNICATIONS, 2011, vol.284, no.4, 1082., WOS
- [1.1] MURALIDHARAN, S. - KARUMANCHI, S. - JAIN, S. - SRIKANTH, R. - PANIGRAHI, P. K. 2N qubit "mirror states" for optimal quantum communication. In EUROPEAN PHYSICAL JOURNAL D, 2011, vol.61, no.3, 757., WOS
- [1.1] NGUYEN, B.A. In PHYSICS LETTERS A, 2013, vol. 377, pp. 2520.,

WOS

[1.1] NIE, Yi-you - LI, Yuan-hua - JIN, Cui-ping - LIU, Jun-chang - SANG, Ming-huang. Quantum Information Splitting of an Arbitrary Multi-qubit GHZ-type State by Using a Four-qubit Cluster State. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2011, vol.50, no.9, 2799., WOS

[1.1] NIE, Yi-You - LI, Yuan-Hua - LIU, Jun-Chang - SANG, Ming-Huang. Quantum State Sharing of an Arbitrary Two-Atom State by Using a Six-Atom Cluster State in Cavity QED. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2011, vol.50, no.8, 2526., WOS

[1.1] NIE, Yi-you - LI, Yuan-hua - LIU, Jun-chang - SANG, Ming-huang. Quantum state sharing of an arbitrary four-qubit GHZ-type state by using a four-qubit cluster state. In QUANTUM INFORMATION PROCESSING, 2011, vol.10, no.5, 603., WOS

[1.1] NIE, Yi-you - LI, Yuan-hua - LIU, Jun-chang - SANG, Ming-huang. Quantum information splitting of an arbitrary three-qubit state by using two four-qubit cluster states. In QUANTUM INFORMATION PROCESSING, 2011, vol.10, no.3, 297., WOS

[1.1] NIE, Yi-You - LI, Yuan-Hua - LIU, Jun-Chang - SANG, Ming-Huang. CONTROLLED TELEPORTATION OF AN ARBITRARY THREE-QUBIT STATE THROUGH A GENUINE SIX-QUBIT ENTANGLED STATE AND BELL-STATE MEASUREMENTS. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION, 2011, vol.9, no.2, 763., WOS

[1.1] NIE, Yi-you - LI, Yuan-hua - LIU, Jun-chang - SANG, Ming-huang. Quantum information splitting of an arbitrary three-qubit state by using a genuinely entangled five-qubit state and a Bell-state. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2012, vol. 11, no. 2, pp. 563., WOS

[1.1] NIE, Yi-you - SANG, Ming-huang - LI, Yuan-hua - LIU, Jun-chang. Three-Party Quantum Information Splitting of an Arbitrary Two-Qubit State by Using Six-Qubit Cluster State. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2011, vol.50, no.5, 1367., WOS

[1.1] NIE, Y. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2013, vol. 52, pp. 3844., WOS

[1.1] NIE, Y. In QUANTUM INFORMATION PROCESSING, 2013, vol. 12, pp. 437., WOS

[1.1] NIU, Hui-Chong - REN, Bao-Cang - WANG, Tie-Jun - HUA, Ming - DENG, Fu-Guo. Faithful Entanglement Sharing for Quantum Communication Against Collective Noise. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2012, vol. 51, no. 8, pp. 2346., WOS

[1.1] OEZDEMIR, S. K. - MATSUNAGA, E. - TASHIMA, T. - YAMAMOTO, T. - KOASHI, M. - IMOTO, N. An optical fusion gate for W-states. In NEW JOURNAL OF PHYSICS, 2011, vol.13, no., WOS

[1.1] PAL, Karoly F. - VERTESI, Tamas. Multisetting Bell-type inequalities for detecting genuine multipartite entanglement. In PHYSICAL REVIEW A, 2011, vol.83, no.6., WOS

[1.1] PATERA, Giuseppe - KOLOBOV, Mikhail I. SCALING PROPERTIES OF MULTIPARTITE ENTANGLEMENT IN PARAMETRIC DOWN-CONVERSION. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION, 2011, vol.9, no.4, 1019., WOS

- [1.1] PATHAK, Anirban - BANERJEE, Anindita. EFFICIENT QUANTUM CIRCUITS FOR PERFECT AND CONTROLLED TELEPORTATION OF n-QUBIT NON-MAXIMALLY ENTANGLED STATES OF GENERALIZED BELL-TYPE. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION, 2011, vol.9, no., 389., WOS
- [1.1] PATRA, Manas K. - VAN DER MEYDEN, Ron. Consistent assignment of quantum probabilities. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2012, vol. 45, no. 7, 075304., WOS
- [1.1] PAUL, Naveen - MENON, Jayakrishnan V. - KARUMANCHI, Siddharth - MURALIDHARAN, Sreraman - PANIGRAHI, Prasanta K. Quantum tasks using six qubit cluster states. In QUANTUM INFORMATION PROCESSING, 2011, vol.10, no.5, 619., WOS
- [1.1] PENG, Jia-Yin - MO, Zhi-Wen. Quantum Sharing an Unknown Multi-Particle State via POVM. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2013, vol. 52, no. 2, pp. 620., WOS
- [1.1] PENG, J.-Y. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION, 2013, vol. 11, 1350004., WOS
- [1.1] PENG, J.-Y. In QUANTUM INFORMATION PROCESSING, 2013, vol. 12, pp. 2325., WOS
- [1.1] PENG, Z.-H. In QUANTUM INFORMATION PROCESSING, 2013, vol. 12, pp. 2803., WOS
- [1.1] PRAKASH, Hari - MAURYA, Ajay K. Quantum teleportation using entangled 3-qubit states and the ‘magic bases’; In OPTICS COMMUNICATIONS, 2011, vol.284, no.20, 5024., WOS
- [1.1] PRASATH, E. Sriram - MURALIDHARAN, Sreraman - MITRA, Chiranjib - PANIGRAHI, Prasanta K. Multipartite entangled magnon states as quantum communication channels. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2012, vol. 11, no. 2, pp. 397., WOS
- [1.1] QU, Zhi-Guo - CHEN, Xiu-Bo - LUO, Ming-Xing - NIU, Xin-Xin - YANG, Yi-Xian. Quantum steganography with large payload based on entanglement swapping of chi-type entangled states. In OPTICS COMMUNICATIONS, 2011, vol.284, no.7, 2075., WOS
- [1.1] REID, M.D. In PHYSICAL REVIEW A, 2013, vol. 87, 062108., WOS
- [1.1] REN, B.-C. In LASER PHYSICS LETTERS, 2013, vol. 10, 115201., WOS
- [1.1] REN, B.-C. In PHYSICAL REVIEW A, 2013, vol. 88, 012302., WOS
- [1.1] REN, B.-C. In EUROPEAN PHYSICAL JOURNAL D, 2013, vol. 67, 30., WOS
- [1.1] RYU, J. In PHYSICAL REVIEW A, 2013, vol. 88, 042101., WOS
- [1.1] SAHA, Debashis - PANIGRAHI, Prasanta K. N-qubit quantum teleportation, information splitting and superdense coding through the composite GHZ-Bell channel. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2012, vol. 11, no. 2, pp. 615., WOS
- [1.1] SARVEPALLI, Pradeep. Bounds on the information rate of quantum-secret-sharing schemes. In PHYSICAL REVIEW A, 2011, vol.83, no.4., WOS
- [1.1] SARVEPALLI, Pradeep. Entropic inequalities for a class of quantum

secret-sharing states. In PHYSICAL REVIEW A, 2011, vol.83, no.4., WOS

[1.1] SARVEPALLI, Pradeep. Nonthreshold quantum secret-sharing schemes in the graph-state formalism. In PHYSICAL REVIEW A. ISSN 1050-2947, 2012, vol. 86, no. 4, 042303., WOS

[1.1] SAZIM, S. In EUROPEAN PHYSICAL JOURNAL D, 2013, vol. 67, 174., WOS

[1.1] SHEIKHEHI, Faiegh - NASERI, Mosayeb. PROBABILISTIC BIDIRECTIONAL QUANTUM SECURE COMMUNICATION BASED ON A SHARED PARTIALLY ENTANGLED STATES. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION, 2011, vol.9, no., 357., WOS

[1.1] SHENG YU-BO - ZHOU LAN - CHENG WEI-WEN - GONG LONG-YAN - ZHAO SHENG-MEI - ZHENG BAO-YU. Efficient entanglement purification in quantum repeaters. In CHINESE PHYSICS B. ISSN 1674-1056, 2012, vol. 21, no. 3, 030307., WOS

[1.1] SHENG, Yu-Bo - DENG, Fu-Guo - LONG, Gui-Lu. Multipartite electronic entanglement purification with charge detection. In PHYSICS LETTERS A, 2011, vol.375, no.3, 396., WOS

[1.1] SHENG, Yu-Bo - LONG, Gui Lu - DENG, Fu-Guo. One-step deterministic multipartite entanglement purification with linear optics. In PHYSICS LETTERS A. ISSN 0375-9601, 2012, vol. 376, no. 4, pp. 314., WOS

[1.1] SHENG, Yu-Bo - ZHOU, Lan - ZHAO, Sheng-Mei. Efficient two-step entanglement concentration for arbitrary W states. In PHYSICAL REVIEW A. ISSN 1050-2947, 2012, vol. 85, no. 4, 042302., WOS

[1.1] SHENG, Y.-B. In ENTROPY, 2013, vol. 15, pp. 1776., WOS

[1.1] SHENG, Y.-B. In CHINESE PHYSICS B, 2013, vol. 22, 030314., WOS

[1.1] SHENG, Y.-B. In CHINESE PHYSICS B, 2013, vol. 22, 110303., WOS

[1.1] SHENG, Y.-B. In CHINESE SCIENCE BULLETIN, 2013, vol. 58, pp. 3507., WOS

[1.1] SHENG, Y.-B. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B, 2013, vol. 30, pp. 678., WOS

[1.1] SHENG, Y.-B. In PHYSICAL REVIEW A, 2013, vol. 88, 022302., WOS

[1.1] SHENG, Y.-B. In QUANTUM INFORMATION PROCESSING, 2013, vol. 12, pp. 1885., WOS

[1.1] SHEN, Li-Tuo - CHEN, Xin-Yu - YANG, Zhen-Biao - WU, Huai-Zhi - ZHENG, Shi-Biao. Distributed entanglement induced by dissipative bosonic media. In EPL. ISSN 0295-5075, 2012, vol. 99, no. 2, 20003., WOS

[1.1] SHI JIANHONG - ZHANG SHENGLI - CHANG ZHENGANG. The security analysis of a threshold proxy quantum signature scheme. In SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY. ISSN 1674-7348, 2013, vol. 56, no. 3, pp. 519., WOS

[1.1] SHI JIN - GONG YAN-XIAO - XU PING - ZHU SHI-NING - ZHAN YOU-BANG. Quantum Secure Direct Communication by Using Three-Dimensional Hyperentanglement. In COMMUNICATIONS IN THEORETICAL PHYSICS, 2011, vol.56, no.5, 831., WOS

[1.1] SHI RONG-HUA - SU QIAN - GUO YING - LEE, Moon Ho. Quantum Secret Sharing Based on Chinese Remainder Theorem. In COMMUNICATIONS IN THEORETICAL PHYSICS, 2011, vol.55, no.4, 573.,

WOS

[1.1] SHI RUNHUA - HUANG LIUSHENG - YANG WEI - ZHONG HONG. Controlled quantum perfect teleportation of multiple arbitrary multi-qubit states. In SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY, 2011, vol.54, no.12, 2208., WOS

[1.1] SHI RUN-HUA - HUANG LIU-SHENG - YANG WEI - ZHONG HONG. A Novel Multiparty Quantum Secret Sharing Scheme of Secure Direct Communication Based on Bell States and Bell Measurements. In CHINESE PHYSICS LETTERS, 2011, vol.28, no.5., WOS

[1.1] SHI, Run-hua - HUANG, Liu-Sheng - YANG, Wei - ZHONG, Hong. Asymmetric multi-party quantum state sharing of an arbitrary m-qubit state. In QUANTUM INFORMATION PROCESSING, 2011, vol.10, no.1, 53., WOS

[1.1] SHI, Run-hua - HUANG, Liu-sheng - YANG, Wei - ZHONG, Hong. Efficient Symmetric Five-Party Quantum State Sharing of an Arbitrary m-Qubit State. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2011, vol.50, no.11, 3329., WOS

[1.1] SHI, Run-hua - HUANG, Liu-sheng - YANG, Wei - ZHONG, Hong. Multi-party quantum state sharing of an arbitrary two-qubit state with Bell states. In QUANTUM INFORMATION PROCESSING, 2011, vol.10, no.2, 231., WOS

[1.1] SHI, Run-Hua - ZHONG, Hong - ZHOU, QH. Asymmetric Multiparty-Controlled Teleportation of Arbitrary n-qudit States Using Different Quantum Channels. In THEORETICAL AND MATHEMATICAL FOUNDATIONS OF COMPUTER SCIENCE, 2011, vol.164, no., 337., WOS

[1.1] SHI, R. In QUANTUM INFORMATION PROCESSING, 2013, vol. 12, pp. 2889., WOS

[1.1] SHI, Z. C. - XIA, Y. - SONG, J. - SONG, H. S. Effective scheme for generation of two-dimensional cluster states via quantum Zeno dynamics. In EUROPEAN PHYSICAL JOURNAL D. ISSN 1434-6060, 2012, vol. 66, no. 1., WOS

[1.1] SHI, Z. C. - XIA, Y. - WU, H. Z. - SONG, J. One-step preparation of three-particle Greenberger-Horne-Zeilinger state via quantum Zeno dynamics. In EUROPEAN PHYSICAL JOURNAL D. ISSN 1434-6060, 2012, vol. 66, no. 5, 127., WOS

[1.1] SHUKLA, Chitra - PATHAK, Anirban - SRIKANTH, R. BEYOND THE GOLDENBERG-VAIDMAN PROTOCOL: SECURE AND EFFICIENT QUANTUM COMMUNICATION USING ARBITRARY, ORTHOGONAL, MULTI-PARTICLE QUANTUM STATES. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION. ISSN 0219-7499, 2012, vol. 10, no. 8, 1241009., WOS

[1.1] SHUKLA, Ch. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2013, vol. 52, pp. 1914., WOS

[1.1] SHUKLA, Ch. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2013, vol. 52, pp. 3790., WOS

[1.1] SHUKLA, Ch. In PHYSICS LETTERS A, 2013, vol. 377, pp. 518., WOS

[1.1] SHUKLA, Ch. In PHYSICS LETTERS A, 2013, vol. 377, pp. 1337., WOS

[1.1] SCHERPELZ, P. - RESCH, R. - BERRYRIESER, D. - LYNN, T. W. Entanglement-secured single-qubit quantum secret sharing. In PHYSICAL REVIEW A, 2011, vol.84, no.3., WOS

- [1.1] SI BIN. In CHINESE PHYSICS B, 2013, vol. 22, 030305., WOS
- [1.1] SONG SIYU - WANG CHUAN. Recent development in quantum communication. In CHINESE SCIENCE BULLETIN. ISSN 1001-6538, 2012, vol. 57, no. 36, pp. 4694., WOS
- [1.1] SPENGLER, Ch. In QUANTUM INFORMATION PROCESSING, 2013, vol. 12, pp. 269., WOS
- [1.1] SUN, X.-M. In ACTA PHYSICA SINICA, 2013, vol. 62, 230302., WOS
- [1.1] SUN, Ying - GAO, Fei - YUAN, Zheng - LI, Yan-Bing - WEN, Qiao-Yan. Splitting a quantum secret without the assistance of entanglements. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2012, vol. 11, no. 6, pp. 1741., WOS
- [1.1] SUN, Z. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2013, vol. 52, pp. 212., WOS
- [1.1] SUN, Z. In QUANTUM INFORMATION PROCESSING, 2013, vol. 12, pp. 3411., WOS
- [1.1] SU, S.-L. In OPTICS COMMUNICATIONS, 2013, vol. 293, pp. 172., WOS
- [1.1] SVOZILIK, Jiri - HENDRYCH, Martin - TORRES, Juan P. Bragg reflection waveguide as a source of wavelength-multiplexed polarization-entangled photon pairs. In OPTICS EXPRESS. ISSN 1094-4087, 2012, vol. 20, no. 14, pp. 15015., WOS
- [1.1] TANG JING-WU - ZHAO GUAN-XIANG - HE XIONG-HUI. Scheme for implementing perfect quantum teleportation with four-qubit entangled states in cavity quantum electrodynamics. In CHINESE PHYSICS B, 2011, vol.20, no.5., WOS
- [1.1] TANG, M. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2013, vol. 52, pp. 2686., WOS
- [1.1] TAN, Aihong - XIE, Changde - PENG, Kunchi. Bright three-color entangled state produced by cascaded optical parametric oscillators. In PHYSICAL REVIEW A. ISSN 1050-2947, 2012, vol. 85, no. 1, 013819., WOS
- [1.1] TAN, Q. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2013, vol. 52, pp. 612., WOS
- [1.1] THILAGAM, A. Multipartite entanglement in the Fenna-Matthews-Olson (FMO) pigment-protein complex. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2012, vol. 136, no. 17, 175104., WOS
- [1.1] TROJEK, P. In NATURAL COMPUTING, 2013, vol. 12, pp. 19., WOS
- [1.1] TRUONG, M.D. In PHYSICAL REVIEW A, 2013, vol. 88, 022320., WOS
- [1.1] TSAI CHIAWEI - HWANG TZONELIH. Multi-party quantum secret sharing based on two special entangled states. In SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY. ISSN 1674-7348, 2012, vol. 55, no. 3, pp. 460., WOS
- [1.1] TSENG, Hsin-Yi - LIN, Jason - HWANG, Tzonelih. New quantum private comparison protocol using EPR pairs. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2012, vol. 11, no. 2, pp. 373., WOS
- [1.1] TSENG, Hsin-Yi - TSAI, Chia-Wei - HWANG, Tzonelih. Controlled Deterministic Secure Quantum Communication Based on Quantum Search Algorithm. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS.

ISSN 0020-7748, 2012, vol. 51, no. 8, pp. 2447., WOS

[1.1] TSENG, Hsin-Yi - TSAI, Chia-Wei - HWANG, Tzonelih - LI, Chuan-Ming. Quantum Secret Sharing Based on Quantum Search Algorithm. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2012, vol. 51, no. 10, pp. 3101., WOS

[1.1] WANG DONG - ZHA XIN-WEI - LAN QIAN - LI NING - WEI JING. Controlled quantum state sharing of arbitrary two-qubit states with five-qubit cluster states. In CHINESE PHYSICS B, 2011, vol.20, no.9., WOS

[1.1] WANG XIN-WEN - LI DA-CHUANG - YANG GUO-JIAN - ZHANG DENG-YU. Genuine (k, m)-Threshold Controlled Teleportation and Multipartite Entanglement. In COMMUNICATIONS IN THEORETICAL PHYSICS, 2011, vol.55, no.6, 977., WOS

[1.1] WANG YI - YE LIU - FANG BAO-LONG. A nearly deterministic scheme for generation of multiphoton GHZ states with weak cross-Kerr nonlinearity. In CHINESE PHYSICS B, 2011, vol.20, no.10., WOS

[1.1] WANG, Dong - YE, Liu. Optimizing Scheme for Remote Preparation of Four-particle Cluster-like Entangled States. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2011, vol.50, no.9, 2748., WOS

[1.1] WANG, Dong - ZHA, Xin-Wei - LAN, Qian. Joint remote state preparation of arbitrary two-qubit state with six-qubit state. In OPTICS COMMUNICATIONS, 2011, vol.284, no.24, 5853., WOS

[1.1] WANG, Hong-Fu - ZHANG, Shou - ZHU, Ai-Dong - YI, X. X. - YEON, Kyu-Hwang. Local conversion of four Einstein-Podolsky-Rosen photon pairs into four-photon polarization-entangled decoherence-free states with non-photon-number-resolving detectors. In OPTICS EXPRESS, 2011, vol.19, no.25, 25433., WOS

[1.1] WANG, Chuan - ZHANG, Yong - JIN, Guang-sheng. Entanglement purification and concentration of electron-spin entangled states using quantum-dot spins in optical microcavities. In PHYSICAL REVIEW A, 2011, vol.84, no.3., WOS

[1.1] WANG, Chuan - ZHANG, Yong - JIN, Guang-sheng. Dicke state generation using cross-Kerr nonlinearity. In JOURNAL OF MODERN OPTICS, 2011, vol.58, no.1, 21., WOS

[1.1] WANG, Jian - ZHANG, Sheng - ZHANG, Quan - TANG, Chao-Jing. SEMIQUANTUM SECRET SHARING USING TWO-PARTICLE ENTANGLED STATE. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION. ISSN 0219-7499, 2012, vol. 10, no. 5, 1250050., WOS

[1.1] WANG, Ming-Ming - CHEN, Xiu-Bo - LUO, Shou-Shan - YANG, Yi-Xian. Efficient entanglement channel construction schemes for a theoretical quantum network model with d-level system. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2012, vol. 11, no. 6, pp. 1715., WOS

[1.1] WANG, M. In SCIENCE CHINA, 2013, vol. 56, pp. 1636., WOS

[1.1] WANG, Ping - CHEN, Mei-Feng. Preparation of four-dimensional entangled states in separate cavities via adiabatic passage. In PHYSICA SCRIPTA. ISSN 0031-8949, 2012, vol. 86, no. 6, 065002., WOS

[1.1] WANG, Shengfang - LIU, Yimin - CHEN, Jianlan - LIU, Xiansong - ZHANG, Zhanjun. Deterministic single-qubit operation sharing with five-qubit cluster state. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2013, vol. 12, no. 7, pp. 2497., WOS

[1.1] WANG, Tian-Yin - CAI, Xiao-Qiu. AN EFFICIENT QUANTUM

- SECRET SHARING SCHEME WITH DECOY STATES. In INTERNATIONAL JOURNAL OF MODERN PHYSICS B. ISSN 0217-9792, 2012, vol. 26, no. 20, 1250122., WOS
- [1.1] WANG, Tian-Yin - WEN, Qiao-Yan - ZHU, Fu-Chen. Cryptanalysis of multiparty quantum secret sharing with Bell states and Bell measurements. In OPTICS COMMUNICATIONS, 2011, vol.284, no.6, 1711., WOS
- [1.1] WANG, Tian-Yin - WEN, Qiao-Yan. SECURITY OF A KIND OF QUANTUM SECRET SHARING WITH SINGLE PHOTONS. In QUANTUM INFORMATION & COMPUTATION, 2011, vol.11, no.5-6, 434., WOS
- [1.1] WANG, Tie-Jun - SONG, Si-Yu - LONG, Gui Lu. Quantum repeater based on spatial entanglement of photons and quantum-dot spins in optical microcavities. In PHYSICAL REVIEW A. ISSN 1050-2947, 2012, vol. 85, no. 6, 062311., WOS
- [1.1] WANG, T.-J. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B, 2013, vol. 30, pp. 2689., WOS
- [1.1] WANG, T.-J. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B, 2013, vol. 30, pp. 1069., WOS
- [1.1] WANG, Xin-Wen - ZHANG, Deng-Yu - TANG, Shi-Qing - XIE, Li-Jun. Multiparty hierarchical quantum-information splitting. In JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS, 2011, vol.44, no.3., WOS
- [1.1] WANG, Xin-Wen - ZHANG, Deng-Yu - TANG, Shi-Qing - XIE, Li-Jun. Nondestructive Greenberger-Horne-Zeilinger-state analyzer. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2013, vol. 12, no. 2, pp. 1065., WOS
- [1.1] WANG, Zhang-Yin - YANG, Xing-Qiang. GENERALIZED QUANTUM TWO-QUBIT STATE SHARING VIA POSITIVE OPERATOR-VALUED MEASURE. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION, 2011, vol.9, no.1, 571., WOS
- [1.1] WASEDA, Atsushi - SOSHI, Masakazu. Consideration for multi-threshold multi-secret sharing schemes. In 2012 INTERNATIONAL SYMPOSIUM ON INFORMATION THEORY AND ITS APPLICATIONS (ISITA 2012), 2012, pp. 265., WOS
- [1.1] WASEDA, A. In IEICE TRANSACTIONS ON FUNDAMENTALS OF ELECTRONICS COMMUNICATIONS, 2013, vol. E96A, pp. 166., WOS
- [1.1] WEI, H.-R. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2013, vol. 52, pp. 4045., WOS
- [1.1] WU XI - CHEN ZHI-HUA - ZHANG YONG - CHEN YUE-HUA - YE MING-YONG - LIN XIU-MIN. Implementation of quantum controlled phase gate and preparation of multiparticle entanglement in cavity QED. In CHINESE PHYSICS B, 2011, vol.20, no.6., WOS
- [1.1] XIAO HE-LING - GUO WANG-MEI - WANG XIAO. Quantum Information Theoretical Analysis of Quantum Secret Sharing. In CHINESE PHYSICS LETTERS. ISSN 0256-307X, 2012, vol. 29, no. 11, 110301., WOS
- [1.1] XIE DENG - YE MING-YONG - LI XING-HUA. Improved Multipartite Quantum Secret Sharing Protocol Using Preshared Greenberger-Horne-Zeilinger States. In COMMUNICATIONS IN THEORETICAL PHYSICS, 2011, vol.56, no.6, 1027., WOS
- [1.1] XIE, Hong - CHEN, Mei-Xiang. GENERATION OF GRAPH-STATE ENTANGLEMENT WITH ATOMIC ENSEMBLES VIA THE DIPOLE

- BLOCKADE MECHANISM. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION, 2011, vol.9, no.1, 547., WOS
- [1.1] XIONG, Wei - YE, Liu. Scheme for generation of four-atom Greenberger-Horne-Zeilinger states in an optical cavity. In OPTICS COMMUNICATIONS, 2011, vol.284, no.14, 3659., WOS
- [1.1] XIONG, Wei - YE, Liu. SCHEME FOR GENERATION OF GREENBERGER-HORNE-ZEILINGER STATES OF REMOTE ATOMS TRAPPED IN SEPARATE OPTICAL CAVITIES. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION, 2011, vol.9, no.4, 1123., WOS
- [1.1] XIONG, W. - YE, L. Robust schemes for the generation of multipartite entanglement for remote atoms with cross-Kerr nonlinearity. In EUROPEAN PHYSICAL JOURNAL D, 2011, vol.62, no.2, 265., WOS
- [1.1] XIU, Xiao-Ming - DONG, Li - GAO, Ya-Jun. Secure four-site distribution and quantum communication of X-type entangled states. In OPTICS COMMUNICATIONS, 2011, vol.284, no.7, 2065., WOS
- [1.1] XU CHUNJIE - LIU YIMIN - ZHANG WEN - ZHANG ZHANJUN. A generalized tripartite scheme for splitting an arbitrary 2-qubit state with three 2-qubit partially entangled states and the Kraus measurement. In SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY, 2011, vol.54, no.2, 281., WOS
- [1.1] XU JUAN - CHEN HANWU - LIU WENJIE - LIU ZHIHAO. Selection of unitary operations in quantum secret sharing without entanglement. In SCIENCE CHINA-INFORMATION SCIENCES, 2011, vol.54, no.9, 1837., WOS
- [1.1] XU JUAN - CHEN HANWU - LIU ZHIHAO. A SIMPLE AND SECURE QUANTUM SECRET SHARING SCHEME BASED ON PRODUCT STATES. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION. ISSN 0219-7499, 2012, vol. 10, no. 3, 1250031., WOS
- [1.1] XU, Juan - CHEN, Hanwu - LIU, Zhihao - RUAN, Yue - ZHU, Wanning. Quantum Secret Sharing without Exclusive OR of Qubits' Measuring Results. In 2012 IEEE CONGRESS ON EVOLUTIONARY COMPUTATION (CEC), 2012., WOS
- [1.1] XU, Peng - YE, Liu. THE CONCENTRATION PROTOCOL OF A TWO-PARTICLE NON-MAXIMALLY ENTANGLED STATE AMONG THREE CAVITIES. In MODERN PHYSICS LETTERS B. ISSN 0217-9849, 2012, vol. 26, no. 24, 1250158., WOS
- [1.1] XU, P. In OPTICS COMMUNICATIONS, 2013, vol. 297, pp. 204., WOS
- [1.1] XU, Qing - HU, Xiangming. Separated atomic ensembles: Multimode squeezed states and multipartite entangled states. In PHYSICAL REVIEW A. ISSN 1050-2947, 2012, vol. 86, no. 3, 032337., WOS
- [1.1] XU, S. In SCIENCE CHINA, 2013, vol. 56, pp. 1745., WOS
- [1.1] XU, S.-J. In COMMUNICATIONS IN THEORETICAL PHYSICS, 2013, vol. 59, pp. 547., WOS
- [1.1] YAN TAO - YAN FENGLI. Quantum key distribution using four-level particles. In CHINESE SCIENCE BULLETIN, 2011, vol.56, no.1, 24., WOS
- [1.1] YANG SHUAI - CHEN XIU-BO - YANG YI-XIAN. Attack on the Enhanced Multiparty Quantum Secret Sharing. In COMMUNICATIONS IN THEORETICAL PHYSICS. ISSN 0253-6102, 2012, vol. 58, no. 1, pp. 51., WOS
- [1.1] YANG YUGUANG - CHAI HAIPING - WANG YUAN - TENG

- YIWEI - WEN QIAOYAN. Fault tolerant quantum secret sharing against collective-amplitude-damping noise. In SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY, 2011, vol.54, no.9, 1619., WOS
- [1.1] YANG YUGUANG - XIA JUAN - JIA XIN - ZHANG HUA. Undeniable quantum state sharing with a five-atom cluster state in cavity QED. In SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY. ISSN 1674-7348, 2012, vol. 55, no. 12, pp. 2439., WOS
- [1.1] YANG YU-GUANG - WANG YUAN - TENG YI-WEI - WEN QIAO-YAN. Universal Three-Party Quantum Secret Sharing Against Collective Noise. In COMMUNICATIONS IN THEORETICAL PHYSICS, 2011, vol.55, no.4, 589., WOS
- [1.1] YANG, Chui-Ping - SU, Qi-Ping - HAN, Siyuan. Generation of Greenberger-Horne-Zeilinger entangled states of photons in multiple cavities via a superconducting qutrit or an atom through resonant interaction. In PHYSICAL REVIEW A. ISSN 1050-2947, 2012, vol. 86, no. 2, 022329., WOS
- [1.1] YANG, Chui-Ping. Preparation of n-qubit Greenberger-Horne-Zeilinger entangled states in cavity QED: An approach with tolerance to nonidentical qubit-cavity coupling constants. In PHYSICAL REVIEW A, 2011, vol.83, no.6., WOS
- [1.1] YANG, Ch. In PHYSICAL REVIEW A, 2013, vol. 87, 022320., WOS
- [1.1] YANG, R. In QUANTUM INFORMATION PROCESSING, 2013, vol. 12, pp. 493., WOS
- [1.1] YANG, W. In QUANTUM INFORMATION PROCESSING, 2013, vol. 12, pp. 2465., WOS
- [1.1] YANG, Yu-Guang - JIA, Xin - WANG, Hong-Yang - ZHANG, Hua. Verifiable quantum (k, n)-threshold secret sharing. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2012, vol. 11, no. 6, pp. 1619., WOS
- [1.1] YANG, Yu-Guang - JIA, Xin - XIA, Juan - SHI, Lei - ZHANG, Hua. Comment on "Quantum Secure Direct Communication with Authentication Expansion Using Single Photons" In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2012, vol. 51, no. 12, pp. 3681., WOS
- [1.1] YANG, Yu-Guang - TENG, Yi-Wei - CHAI, Hai-Ping - WEN, Qiao-Yan. Verifiable Quantum (k,n)-threshold Secret Key Sharing. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2011, vol.50, no.3, 792., WOS
- [1.1] YANG, Yu-Guang - TENG, Yi-Wei - CHAI, Hai-Ping - WEN, Qiao-Yan. Fault-tolerant quantum secret sharing against collective noise. In PHYSICA SCRIPTA, 2011, vol.83, no.2., WOS
- [1.1] YANG, Yu-Guang - WANG, Yuan - CHAI, Hai-Ping - TENG, Yi-Wei - ZHANG, Hua. Member expansion in quantum (t,n) threshold secret sharing schemes. In OPTICS COMMUNICATIONS, 2011, vol.284, no.13, 3479., WOS
- [1.1] YANG, Yu-Guang - XIA, Juan - JIA, Xin - ZHANG, Hua. Comment on quantum private comparison protocols with a semi-honest third party. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2013, vol. 12, no. 2, pp. 877., WOS
- [1.1] YANG, Y. In EUROPEAN PHYSICAL JOURNAL D, 2013, vol. 67, 59., WOS
- [1.1] YANG, Y. In INTERNATIONAL JOURNAL OF THEORETICAL

- PHYSICS, 2013, vol. 52, pp. 336., WOS
- [1.1] YANG, Y. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2013, vol. 52, pp. 524., WOS
- [1.1] YE BIAO-LIANG - LIU YI-MIN - XU CHUN-JIE - LIU XIAN-SONG - ZHANG ZHAN-JUN. Quantum Correlations in a Family of Two-Qubit Separable States. In COMMUNICATIONS IN THEORETICAL PHYSICS. ISSN 0253-6102, 2013, vol. 60, no. 3, pp. 283., WOS
- [1.1] YE XIAO-FANG - CHEN MEI-FENG. Generating W State with Qubits of Superconducting Quantum Interference Devices via Adiabatic Passage. In COMMUNICATIONS IN THEORETICAL PHYSICS, 2011, vol.55, no.5, 868., WOS
- [1.1] YE, Biaoliang - LIU, Yimin - CHEN, Jianlan - LIU, Xiansong - ZHANG, Zhanjun. Analytic expressions of quantum correlations in qutrit Werner states. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2013, vol. 12, no. 7, pp. 2355., WOS
- [1.1] YE, B.-L. In CHINESE PHYSICS LETTERS, 2013, vol. 30, 020301., WOS
- [1.1] YE, T.-Y. In CHINESE PHYSICS B, 2013, vol. 22, 040305., WOS
- [1.1] YE, T.-Y. In CHINESE PHYSICS B, 2013, vol. 22, 050309., WOS
- [1.1] YUAN, Hao - ZHOU, Jun - ZHANG, Gang - YANG, Huan - XING, Ling-ling. Efficient Multiparty Quantum Secret Sharing of Secure Direct Communication Based on Bell States and Continuous Variable Operations. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2012, vol. 51, no. 11, pp. 3443., WOS
- [1.1] YUAN, H. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2013, vol. 52, pp. 1282., WOS
- [1.1] YU, Ch. In PHYSICA SCRIPTA, 2013, vol. 88, 065013., WOS
- [1.1] YU, Tao - JI, Yan-Qiang - ZHU, Ai-Dong - WANG, Hong-Fu - ZHANG, Shou. Robust teleportation and multipartite entanglement analyzers via quantum-dot spins in weak-coupling cavity quantum electrodynamics regime. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS. ISSN 0740-3224, 2012, vol. 29, no. 8, pp. 2029., WOS
- [1.1] ZHANG CHUAN-LIN - WANG CHUAN - CAO CONG - ZHANG RU. Multi-particle Entanglement Generation Using Quantum-Dot Spin and Optical Microcavity System. In CHINESE PHYSICS LETTERS. ISSN 0256-307X, 2012, vol. 29, no. 7, 070305., WOS
- [1.1] ZHANG SHENG - WANG JIAN - TANG CHAO-JING - ZHANG QUAN. A Composed Protocol of Quantum Identity Authentication Plus Quantum Key Distribution Based on Squeezed States. In COMMUNICATIONS IN THEORETICAL PHYSICS, 2011, vol.56, no.2, 268., WOS
- [1.1] ZHANG WEN - LIU YI-MIN - YIN XIAO-FENG - ZHANG ZHAN-JUN. Preparation of Genuinely Entangled Six-Atom State via Cavity Quantum Electrodynamics. In COMMUNICATIONS IN THEORETICAL PHYSICS, 2011, vol.55, no.6, 989., WOS
- [1.1] ZHANG ZIYUN - LIU YIMIN - ZHANG WEN - ZHANG ZHANJUN. Criterion and flexibility of operation difficulty for perfect teleportation of arbitrary n-qutrit state with (n:n)-qutrit pure state. In SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY, 2011, vol.54, no.8, 1476., WOS
- [1.1] ZHANG ZU-RONG - LIU WEI-TAO - LI CHENG-ZU. Quantum

secret sharing based on quantum error-correcting codes. In CHINESE PHYSICS B, 2011, vol.20, no.5., WOS

[1.1] ZHANG, K. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2013, vol. 52, pp. 4163., WOS

[1.1] ZHANG, K. In QUANTUM INFORMATION PROCESSING, 2013, vol. 12, pp. 2655., WOS

[1.1] ZHANG, K. In QUANTUM INFORMATION PROCESSING, 2013, vol. 12, pp. 3127., WOS

[1.1] ZHANG, N. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2013, vol. 52, pp. 2833., WOS

[1.1] ZHANG, Qun-Yong - ZHAN, You-Bang. Quantum Information Splitting by Using Asymmetric Multi-particle State. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2012, vol. 51, no. 10, pp. 3037., WOS

[1.1] ZHANG, Wen - ZUO, Xue-qin - ZHANG, Zi-yun. Sharing a Qudit State by Using Bell States Channel. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2012, vol. 51, no. 11, pp. 3551., WOS

[1.1] ZHANG, W. In COMMUNICATIONS IN THEORETICAL PHYSICS, 2013, vol. 59, pp. 157., WOS

[1.1] ZHANG, W. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2013, vol. 52, pp. 1466., WOS

[1.1] ZHANG, W. In OPTICS COMMUNICATIONS, 2013, vol. 293, pp. 166., WOS

[1.1] ZHANG, W. In QUANTUM INFORMATION PROCESSING, 2013, vol. 12, pp. 2241., WOS

[1.1] ZHANG, W. In QUANTUM INFORMATION PROCESSING, 2013, vol. 12, pp. 1981., WOS

[1.1] ZHANG, Zhan-jun - CHEUNG, Chi-Yee. Shared quantum remote control: quantum operation sharing. In JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS, 2011, vol.44, no.16., WOS

[1.1] ZHANG, Z. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2013, vol. 52, pp. 2537., WOS

[1.1] ZHAN, You-Bang - MA, Peng-Cheng - ZHANG, Qun-Yong. Quantum State Sharing of a Single-Qubit State via an Arbitrary High-Dimensional Entangled State. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2011, vol.50, no.9, 2884., WOS

[1.1] ZHAN, You-Bang. Deterministic Joint Assisted Cloning of Unknown Two-Qubit Entangled States. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2012, vol. 51, no. 6, pp. 1655., WOS

[1.1] ZHENG, Anshou - LIU, Jibing. Generation of an N-qubit Greenberger-Horne-Zeilinger state with distant atoms in bimodal cavities. In JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS, 2011, vol.44, no.16., WOS

[1.1] ZHENG, Nai-Qing. Generation of Distributed W-Type Entanglement for Three Atoms Trapped in Separated Cavities. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2012, vol. 51, no. 12, pp. 3876., WOS

[1.1] ZHONG, Li-Ye - GUO, Qi - CHENG, Liu-Yong - SU, Shi-Lei - ZHU,

- Long - WANG, Hong-Fu - ZHANG, Shou. Quantum information splitting of an arbitrary three-qubit state via the cavity input-output process. In OPTICS COMMUNICATIONS. ISSN 0030-4018, 2012, vol. 285, no. 21-22, pp. 4616., WOS
- [1.1] ZHONG, Zhi-Rong - LIN, Xiu - ZHANG, Bin - YANG, Zhen-Biao. Deterministic multi-atom GHZ states generation in a coupled cavity system with the assistance of strong classical fields. In PHYSICA SCRIPTA. ISSN 0031-8949, 2012, vol. 86, no. 5, 055009., WOS
- [1.1] ZHOUY, P. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2013, vol. 52, pp. 849., WOS
- [1.1] ZHOU, L. In CHINESE PHYSICS B, 2013, vol. 22, 020307., WOS
- [1.1] ZHOU, L. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B, 2013, vol. 30, pp. 2737., WOS
- [1.1] ZHOU, L. In QUANTUM INFORMATION PROCESSING, 2013, vol. 12, pp. 2087., WOS
- [1.1] ZHOU, L. In QUANTUM INFORMATION PROCESSING, 2013, vol. 12, pp. 1307., WOS
- [1.1] ZHOU, Ping. Joint remote preparation of an arbitrary m-qudit state with a pure entangled quantum channel via positive operator-valued measurement. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2012, vol. 45, no. 21, 215305., WOS
- [1.1] ZHU ZHEN-CHAO - ZHANG YU-QING - FU AN-MIN. Efficient quantum secret sharing scheme with two-particle entangled states. In CHINESE PHYSICS B, 2011, vol.20, no.4., WOS
- [1.1] ZHU ZHEN-CHAO - ZHANG YU-QING - FU AN-MIN. Cryptanalysis and improvement of a quantum secret sharing scheme based on chi-type entangled states. In CHINESE PHYSICS B. ISSN 1674-1056, 2012, vol. 21, no. 1, 010307., WOS
- [1.1] ZHU, Zhen-Chao - ZHANG, Yu-Qing - FU, An-Min. Comment on "Reply to Comment on 'Efficient High-Capacity Quantum Secret Sharing with Two-Photon Entanglement'" In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2011, vol.50, no.1, 308., WOS
- [1.1] ZI, W. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2013, vol. 52, pp. 3212., WOS
- [1.1] ZOU, Chang-Lin - CAO, Zhuo-Liang. A SCHEME FOR QUANTUM DENSE CODING IN CAVITY QED. In INTERNATIONAL JOURNAL OF MODERN PHYSICS B, 2011, vol.25, no.32, 4679., WOS
- [1.2] ALOY ANUJA MARY, G. - CHELLAPPAN, Chenniappan. Elliptic curve cryptography (ECC) based four state quantum secret sharing (QSS) protocol. In International Review on Computers and Software. ISSN 18286003, 2013-10-24, 8, 8, pp. 1970-1979., SCOPUS
- [1.2] DEHKORDI, Massoud Hadian - FATTAHI, Elham. Threshold quantum secret sharing between multiparty and multiparty using Greenberger-Horne-Zeilinger state. In Quantum Information Processing. ISSN 15700755, 2013-01-01, 12, 2, pp. 1299-1306., SCOPUS
- [1.2] DU, Yutao - BAO, Wansu - GUAN, Wenqiang - ZHOU, Chun - FU, Xiangqun. Multiparty-to-multiparty quantum secret sharing based on dense-coding. In Dianzi Yu Xinxu Xuebao/Journal of Electronics and Information Technology. ISSN 10095896, 2013-11-01, 35, 11, pp. 2623-2629., SCOPUS
- [1.2] DU, Yutao - BAO, Wansu. Multiparty quantum secret sharing scheme

based on the phase shift operations. In Optics Communications. ISSN 00304018, 2013-07-31, 308, pp. 159-163., SCOPUS

[1.2] GAO, Gan. Secure multiparty quantum secret sharing with the collective eavesdropping-check character. In Quantum Information Processing. ISSN 15700755, 2013-01-01, 12, 1, pp. 55-68., SCOPUS

[1.2] GRAVIER, Sylvain - JAVELLE, Jérôme - MHALLA, Mehdi - PERDRIX, Simon. Quantum secret sharing with graph states. In Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics). ISSN 03029743, 2013-02-04, 7721 LNCS, pp. 15-31., SCOPUS

[1.2] GUO, Ying - ZHAO, Yuqian. High-efficient quantum secret sharing based on the Chinese remainder theorem via the orbital angular momentum entanglement analysis. In Quantum Information Processing. ISSN 15700755, 2013-01-01, 12, 2, pp. 1125-1139., SCOPUS

[1.2] HSU, Junglun - CHONG, Songkong - HWANG, Tzonelih - TSAI, Chiawei. Dynamic quantum secret sharing. In Quantum Information Processing. ISSN 15700755, 2013-01-01, 12, 1, pp. 331-344., SCOPUS

[1.2] CHEN, Xiubo - NIU, Xinxin - ZHOU, Xinjie - YANG, Yixian. Multi-party quantum secret sharing with the single-particle quantum state to encode the information. In Quantum Information Processing. ISSN 15700755, 2013-01-01, 12, 1, pp. 365-380., SCOPUS

[1.2] CHOU, Yaohsin - CHEN, Shuomao - LIN, Yuting - CHEN, Chiyuan - CHAO, Hanchieh. Using GHZ-state for multiparty quantum secret sharing without code table. In Computer Journal. ISSN 00104620, 2013-10-01, 56, 10, pp. 1167-1175., SCOPUS

[1.2] JAVELLE, Jérôme - MHALLA, Mehdi - PERDRIX, Simon. New protocols and lower bounds for quantum secret sharing with graph states. In Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics). ISSN 03029743, 2013-12-01, 7582 LNCS, pp. 1-12., SCOPUS

[1.2] KHORRAMPAHA, Mahsa - HOUSHMAND, Monireh. An efficient quantum secret sharing using secure direct communication. In 2013 21st Iranian Conference on Electrical Engineering, ICEE 2013, 2013-10-25., SCOPUS

[1.2] LAU, Hoikwan - WEEDBROOK, Christian. Quantum secret sharing with continuous-variable cluster states. In Physical Review A Atomic, Molecular, and Optical Physics. ISSN 10502947, 2013-10-14, 88, 4., SCOPUS

[1.2] LIAO, Cihong - YANG, Chunwei - HWANG, Tzonelih. Comment on "dynamic quantum secret sharing". In Quantum Information Processing. ISSN 15700755, 2013-10-01, 12, 10, pp. 3143-3147., SCOPUS

[1.2] LIN, Jason - HWANG, Tzonelih. New circular quantum secret sharing for remote agents. In Quantum Information Processing. ISSN 15700755, 2013-01-01, 12, 1, pp. 685-697., SCOPUS

[1.2] LIN, Jason - YANG, Chunwei - TSAI, Chiawei - HWANG, Tzonelih. Intercept-Resend Attacks on Semi-quantum Secret Sharing and the Improvements. In International Journal of Theoretical Physics. ISSN 00207748, 2013-01-01, 52, 1, pp. 156-162., SCOPUS

[1.2] LIN, Song - GUO, Gongde. Cryptanalysis the Security of Enhanced Multiparty Quantum Secret Sharing of Classical Messages by Using Entanglement Swapping. In International Journal of Theoretical Physics. ISSN 00207748, 2013-09-01, 52, 9, pp. 3238-3243., SCOPUS

- [1.2] LI, Lvzhou - QIU, Daowen - MATEUS, Paulo. Quantum secret sharing with classical bobs. In *Journal of Physics A: Mathematical and Theoretical*. ISSN 17518113, 2013-02-01, 46, 4., SCOPUS
- [1.2] LIŮ, Dan - ZONG, ZiChao - MA, Wei. High-Capacity Quantum Secret Sharing with Hyperdense Coding Assisted by Hyperentangled Photon Pairs. In *International Journal of Theoretical Physics*. ISSN 00207748, 2013-07-01, 52, 7, pp. 2245-2254., SCOPUS
- [1.2] MA, Haiqiang - WEI, Kejin - YANG, Jianhui. Experimental single qubit quantum secret sharing in a fiber network configuration. In *Optics Letters*. ISSN 01469592, 2013-11-01, 38, 21, pp. 4494-4497., SCOPUS
- [1.2] SHI, Jianhong - ZHANG, Shengli - CHANG, Zhenggang. External attack of a quantum secret sharing scheme. In *2013 IEEE 3rd International Conference on Information Science and Technology, ICIST 2013*, 2013-01-01, pp. 874-877., SCOPUS
- [1.2] SHI, Ronghua - KANG, Ye - ZHANG, Zhaoyuan. Quantum secret sharing based on Chinese remainder theorem in hyperchaotic system. In *Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)*. ISSN 03029743, 2013-12-01, 8300 LNCS, pp. 417-428., SCOPUS
- [1.2] SHI, Ronghua - LV, Geli - WANG, Yuan - HUANG, Dazu - GUO, Ying. On Quantum Secret Sharing via Chinese Remainder Theorem with the Non-maximally Entanglement State Analysis. In *International Journal of Theoretical Physics*. ISSN 00207748, 2013-01-01, 52, 2, pp. 539-548., SCOPUS
- [1.2] SONG, Tingting - WEN, Qiaoyan - QIN, Sujuan - ZHANG, Weiwei - SUN, Ying. The general theory of three-party quantum secret sharing protocols over phase-damping channels. In *Quantum Information Processing*. ISSN 15700755, 2013-10-01, 12, 10, pp. 3291-3304., SCOPUS
- [1.2] SONG, Tingting - WEN, Qiaoyan - GAO, Fei - CHEN, Hui. Participant Attack and Improvement to Multiparty Quantum Secret Sharing Based on GHZ States. In *International Journal of Theoretical Physics*. ISSN 00207748, 2013-01-01, 52, 1, pp. 293-301., SCOPUS
- [1.2] SUN, Ying - XU, Shengwei - CHEN, Xiubo - NIU, Xinxin - YANG, Yixian. Expansible quantum secret sharing network. In *Quantum Information Processing*. ISSN 15700755, 2013-08-01, 12, 8, pp. 2877-2888., SCOPUS
- [1.2] TAN, Xiaoqing - FENG, Zhihong - JIANG, Lianxia - FANG, Afen. Verifiable quantum secret sharing protocol. In *Proceedings 4th International Conference on Emerging Intelligent Data and Web Technologies, EIDWT 2013*, 2013-12-11, pp. 227-230., SCOPUS
- [1.2] TAN, Xiaoqing - JIANG, Lianxia. Improved Three-Party Quantum Secret Sharing Based on Bell States. In *International Journal of Theoretical Physics*. ISSN 00207748, 2013-10-01, 52, 10, pp. 3577-3585., SCOPUS
- [1.2] WANG, Haibin - HUANG, Yugai - FANG, Xia - GU, Bin - FU, Desheng. 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 00207748, 2013-01-01, 52, 4, pp. 1043-1051., SCOPUS
- [1.2] WANG, Mingming - CHEN, Xiubo - YANG, Yixian. Quantum secret sharing for general access structures based on multiparticle entanglements. In *Quantum Information Processing*. ISSN 15700755, 2013-11-06, pp. 1-15., SCOPUS

- [1.2] WANG, Mingming - CHEN, Xiubo - YANG, Yixian. Comment on "high-dimensional deterministic multiparty quantum secret sharing without unitary operations". In Quantum Information Processing. ISSN 15700755, 2013-01-01, 12, 2, pp. 785-792., SCOPUS
- [1.2] WANG, Tianyin - LI, Yanping. Cryptanalysis of dynamic quantum secret sharing. In Quantum Information Processing. ISSN 15700755, 2013-05-01, 12, 5, pp. 1991-1997., SCOPUS
- [1.2] WANG, Wenhua - CAO, Huaixin. An Improved Multiparty Quantum Secret Sharing with Bell States and Bell Measurement. In International Journal of Theoretical Physics. ISSN 00207748, 2013-06-01, 52, 6, pp. 2099-2111., SCOPUS
- [1.2] WEI, Kejin - MA, Haiqiang - YANG, Jianhui. Experimental circular quantum secret sharing over telecom fiber network. In Optics Express, 2013-07-15, 21, 14, pp. 16663-16669., SCOPUS
- [1.2] WEI, Kejin - MA, Haiqiang - WANG, Long. A quantum secret sharing scheme based on two polarization beam splitters. In Wuli Xuebao/Acta Physica Sinica. ISSN 10003290, 2013-05-20, 62, 10, 104205., SCOPUS
- [1.2] XIAO, Heling - GAO, Jingliang. Multi-party d-Level Quantum Secret Sharing Scheme. In International Journal of Theoretical Physics. ISSN 00207748, 2013-06-01, 52, 6, pp. 2075-2082., SCOPUS
- [1.2] YANG, Chunwei - HWANG, Tzonelih. Efficient key construction on semi-quantum secret sharing protocols. In International Journal of Quantum Information. ISSN 02197499, 2013-08-01, 11, 5, 1350052., SCOPUS
- [1.2] ZHANG, Kejia - QIN, Sujuan. The Cryptanalysis of Yuan et al.'s Multiparty Quantum Secret Sharing Protocol. In International Journal of Theoretical Physics. ISSN 00207748, 2013-07-03, 52, 11, pp. 3953-3959., SCOPUS
- [1.2] ZHOU, Nanrun - SONG, Hanchong - GONG, Lihua. Continuous Variable Quantum Secret Sharing via Quantum Teleportation. In International Journal of Theoretical Physics. ISSN 00207748, 2013-07-26, 52, 11, pp. 4174-4184., SCOPUS
- [1.2] ZHU, Zhenchao - HU, Aiqun - FU, Anmin. Cryptanalysis of a new circular quantum secret sharing protocol for remote agents. In Quantum Information Processing. ISSN 15700755, 2013-01-01, 12, 2, pp. 1173-1183., SCOPUS

ADCA327 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] ADHIKARI, S. In QUANTUM INFORMATION PROCESSING, 2014, vol. 13. pp. 2071-2080., WOS
- [1.1] ARAVINDA, S. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION, 2014, vol. 12, 1560020., WOS
- [1.1] BHATIA, P.S. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B, 2014, vol. 31, pp. 1255-1262., WOS
- [1.1] BHATIA, P.S. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B, 2014, vol. 31, pp. 972., WOS
- [1.1] BOJE, D.M. In STORYTELLING ORGANIZATIONAL PRACTICES: MANAGING IN THE QUANTUM AGE. OXFORD, ROUTLEDGE 2014. pp. 1-361., WOS

- [1.1] COHEN, S.M. In PHYSICAL REVIEW A, 2014, vol. 90, 012336., WOS
- [1.1] DAI, G.- WANG, Y. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2014, vol. 53, pp. 2587-2592., WOS
- [1.1] DAI, G.- WANG, Y. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2014, vol. 53, pp. 1143., WOS
- [1.1] DAI, G.- WANG, Y. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2014, vol. 53, pp. 188., WOS
- [1.1] DAS, T. In PHYSICAL REVIEW A, 2014, vol. 90, 022319., WOS
- [1.1] DOT, A. In PHYSICAL REVIEW A, 2014, vol. 90, 043808., WOS
- [1.1] ERVEN, C. In NATURE PHOTONICS, 2014, vol. 8, pp. 292., WOS
- [1.1] ERVEN, C. In NATURE COMMUNICATIONS, 2014, vol. 5, 3418., WOS
- [1.1] FUNG, Ch. In JOURNAL OF PHYSICS A, 2014, vol. 47, 115306., WOS
- [1.1] GAO, G. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2014, vol. 53, pp. 2231-2235., WOS
- [1.1] GILBERT, G. - WEINSTEIN, Y.S. In QUANTUM INFORMATION PROCESSING, 2014, vol. 13, pp. 1-4., WOS
- [1.1] GU, B. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2014, vol. 53, pp. 1337., WOS
- [1.1] HAMEL, D.R. In NATURE PHOTONICS, 2014, vol. 8, pp. 801-807., WOS
- [1.1] HIESMAYR, B.S.- LOFFLER, W. In PHYSICA SCRIPTA, 2014, vol. T160, 014017., WOS
- [1.1] HUANG, W. In PHYSICA SCRIPTA, 2014, vol. 89, 075102., WOS
- [1.1] CHANG, Y. In CHINESE SCIENCE BULLETIN, 2014, vol. 59, pp. 2835-2840., WOS
- [1.1] CHANG, Y. In CHINESE SCIENCE BULLETIN, 2014, vol. 59, pp. 2541-2546., WOS
- [1.1] CHANG, Y. In CHINESE PHYSICS B, 2014, vol. 23, 010305., WOS
- [1.1] CHAN, P. In SCIENTIFIC REPORTS, 2014, vol. 4, 5233., WOS
- [1.1] CHEN, N. In QUANTUM, NANO, MICRO TECHNOLOGIES AND APPLIED RESEARCHES. Book Series: APPLIED MECHANICS AND MATERIALS, 2014, vol. 481, pp. 7-13., WOS
- [1.1] CHEN, X.-B. In QUANTUM INFORMATION AND COMPUTATION, 2014, vol. 14, pp. 589., WOS
- [1.1] CHEN, Y. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2014, vol. 53, pp. 524., WOS
- [1.1] CHITAMBAR, E. In IEEE TRANSACTIONS ON INFORMATION THEORY, 2014, vol. 60, pp. 1549., WOS
- [1.1] JI, Q. In QUANTUM INFORMATION PROCESSING, 2014, vol. 13, pp. 1659-1676., WOS
- [1.1] JI, Y.-Q. In CHINESE PHYSICS B, 2014, vol. 23, 050306., WOS
- [1.1] JI, Y.-Q. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B, 2014, vol. 31, pp. 994., WOS
- [1.1] KANG, S.Y. In QUANTUM INFORMATION PROCESSING, 2014, vol. 13, pp. 2081-2098., WOS
- [1.1] KANG, S.-Y. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2014, vol. 53, pp. 1848-1861., WOS

- [1.1] KANG, Y.-H. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2014, vol. 53, pp. 17., WOS
- [1.1] KANG, Y.-H. In QUANTUM INFORMATION PROCESSING, 2014, vol. 13, pp. 1255-1265., WOS
- [1.1] KANG, Y.-H.- XIA, Y.- LY, P.-M. In APPLIED PHYSICS B, 2014, vol. 116, pp. 977-984., WOS
- [1.1] KIMK, W.-I. In COMMUNICATIONS IN THEORETICAL PHYSICS, 2014, vol. 62, pp. 667-672., WOS
- [1.1] LAI, H. In QUANTUM INFORMATION PROCESSING, 2014, vol. 13, pp. 895., WOS
- [1.1] LAWRENCE, J. In PHYSICAL REVIEW A, 2014, vol. 89, 012105., WOS
- [1.1] LIANG, Y. In PHYSICAL REVIEW LETTERS, 2014, vol. 113, 130401., WOS
- [1.1] LIAN-FANG, H. In INDIAN JOURNAL OF PURE AND APPLIED PHYSICS, 2014, vol. 52, pp. 563-570., WOS
- [1.1] LIAO, X.-P. In CHINESE PHYSICS B, 2014, vol. 23, 020304., WOS
- [1.1] LIAO, Y.-M. In COMMUNICATIONS IN THEORETICAL PHYSICS, 2014, vol. 61, pp. 315., WOS
- [1.1] LIN, J. In QUANTUM INFORMATION PROCESSING, 2014, vol. 13, pp. 239., WOS
- [1.1] LIU, B. In PHYSICAL REVIEW A, 2014, vol. 89, 042318., WOS
- [1.1] LIU, Q.-G. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B, 2014, vol. 31, pp. 672., WOS
- [1.1] LIU, Q.-G. In QUANTUM INFORMATION PROCESSING, 2014, vol. 13, pp. 2801-2814., WOS
- [1.1] LIU, W.-J. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION, 2014, vol. 12, 1450001., WOS
- [1.1] LIU, W.-J. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2014, vol. 53, pp. 271-276., WOS
- [1.1] LIU, X.-T. In QUANTUM INFORMATION PROCESSING, 2014, vol. 13, pp. 71., WOS
- [1.1] LI, J. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2014, vol. 53, pp. 2167-2176., WOS
- [1.1] LI, S.-W. In QUANTUM INFORMATION PROCESSING, 2014, vol. 13, pp. 1057-1066., WOS
- [1.1] LI, T.- DENG, F.-G. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2014, vol. 53, pp. 3026-3034., WOS
- [1.1] LI, T.- YANG, G.-J.- DENG, F.-G. In OPTICS EXPRESS, 2014, vol. 22, pp. 23897-23911., WOS
- [1.1] LI, X.-H.- GHOSE, S. In PHYSICAL REVIEW A, 2014, vol. 90, 052305., WOS
- [1.1] LI, Y.-B. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2014, vol. 53, pp. 3191-3200., WOS
- [1.1] LI, Y.-B. In QUANTUM INFORMATION PROCESSING, 2014, vol. 13, pp. 131., WOS
- [1.1] LI, Y.-H. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2014, vol. 53, pp. 111., WOS
- [1.1] LUO, M.-X. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B, 2014, vol. 31, Iss. 1, pp. 67-74., WOS

- [1.1] LUO, Q.-B. In QUANTUM INFORMATION PROCESSING, 2014, vol. 13, pp. 2343-2352., WOS
- [1.1] LUO, Y.- XI ZHENG-J.- LI YONG-M. In COMMUNICATIONS IN THEORETICAL PHYSICS, 2014, vol. 62, pp. 677-682., WOS
- [1.1] LU, J.-J. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2014, vol. 53, pp. 3142-3146., WOS
- [1.1] MA, J. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2014, vol. 53, pp. 3843-3855., WOS
- [1.1] MOR, T.- RENNER, R. In THEORETICAL COMPUTER SCIENCE, 2014, vol. 560, pp. 1-6., WOS
- [1.1] MOR, T.- RENNER, R. In NATURAL COMPUTING, 2014, vol. 13, pp. 447-452., WOS
- [1.1] MURALIDHARAN, S. In PHYSICAL REVIEW LETTERS, 2014, vol. 112, 250501., WOS
- [1.1] NIE, Y. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2014, vol. 53, pp. 1299., WOS
- [1.1] OPANCHUK, B. In PHYSICS LETTERS A, 2014, vol. 378, pp. 946., WOS
- [1.1] PENG, J.-Y. In CHINESE PHYSICS B, 2014, vol. 23, 010304., WOS
- [1.1] REN, B.-C. In OPTICS EXPRESS, 2014, vol. 22, pp. 6547., WOS
- [1.1] REN, B.-C.- DU, F.-F.- DENG, F.-G. In PHYSICAL REVIEW A, 2014, vol. 90, 052309., WOS
- [1.1] ROMERO, J.- PADGETT, M. In PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, 2014, vol. 111, pp. 6122., WOS
- [1.1] RUI, P.-S. In COMMUNICATIONS IN THEORETICAL PHYSICS, 2014, vol. 62, pp. 215-220., WOS
- [1.1] RYU, J. In PHYSICAL REVIEW A, 2014, vol. 89, 024103., WOS
- [1.1] SANG, M.-H. -DALH.-L. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2014, vol. 53, pp. 2708-2711., WOS
- [1.1] SAZIM, S. In QUANTUM INFORMATION PROCESSING, 2014, vol. 13, pp. 863., WOS
- [1.1] SHAO, X.-Q. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B, 2014, vol. 31, pp. 827., WOS
- [1.1] SHENG, Y.-B. In CHINESE PHYSICS LETTERS, 2014, vol. 31, 050303., WOS
- [1.1] SHENG, Y.-B. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2014, vol. 53, pp. 2033-2040., WOS
- [1.1] SHENG, Y.-B. In QUANTUM INFORMATION PROCESSING, 2014, vol. 13, pp. 881., WOS
- [1.1] SHEN, D. In MODERN PHYSICS LETTERS B, 2014, vol. 28, 1450121., WOS
- [1.1] SHEN, D.-S. In QUANTUM INFORMATION PROCESSING, 2014, vol. 13, pp. 2313-2324., WOS
- [1.1] SHI, W.-M. In QUANTUM INFORMATION PROCESSING, 2014, vol. 13, pp. 1501-1510., WOS
- [1.1] SHI, W.-M. In QUANTUM INFORMATION PROCESSING, 2014, vol. 13, pp. 1305-1312., WOS
- [1.1] SHUKLA, Ch. -PATHAK, A. In QUANTUM INFORMATION PROCESSING, 2014, vol. 13, pp. 2099-2113., WOS

- [1.1] SINGH, U.- MISHRA, U.- DHAR, H.S. In ANNALS OF PHYSICS, 2014, vol. 350, pp. 50-68., WOS
- [1.1] SRIDHAR, N. In PHYSICAL REVIEW A, 2014, vol. 89, 012310., WOS
- [1.1] SRINATHA, N. In QUANTUM INFORMATION PROCESSING, 2014, vol. 13, pp. 59-70., WOS
- [1.1] TEH, R.Y.- REID, M.D. In PHYSICAL REVIEW A, 2014, vol. 90, 062337., WOS
- [1.1] TEH, R.Y.- REID, M.D. In PHYSICAL REVIEW A, 2014, vol. 90, 062337, WOS
- [1.1] WANG, J.-W. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2014, vol. 53, pp. 2867-2873., WOS
- [1.1] WANG, M. In OPTICS LETTERS, 2014, vol. 39, pp. 6703-6706., WOS
- [1.1] WANG, M. In PHYSICAL REVIEW A, 2014, vol. 90, 023801., WOS
- [1.1] WANG, M.-M. In QUANTUM INFORMATION PROCESSING, 2014, vol. 13, pp. 429., WOS
- [1.1] WANG, X.- TANG, S.- KUANG, L. In SCIENCE CHINA-PHYSICS MECHANICS A. ASTRONOMY, 2014, vol. 57, pp. 1848-1853., WOS
- [1.1] WANG, X.-P. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2014, vol. 53, pp. 1064., WOS
- [1.1] WANG, Y.- MA, B.- DAI, G. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2014, vol. 12, pp. 4223-4229., WOS
- [1.1] WU, X.-Ch. In CHINESE PHYSICS B, 2014, vol. 23, 020303., WOS
- [1.1] XING, H. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION, 2014, vol. 12, 1450012., WOS
- [1.1] XING, H. In QUANTUM INFORMATION PROCESSING, 2014, vol. 13, pp. 1553-1562., WOS
- [1.1] XU, G.- WANG, C.-YANG, Y.-X. In QUANTUM INFORMATION PROCESSING, 2014, vol. 13, pp. 43-57., WOS
- [1.1] XU, Y. In OPTICS COMMUNICATIONS, 2014, vol. 313, pp. 294., WOS
- [1.1] YE, T.-Y. In COMMUNICATIONS IN THEORETICAL PHYSICS, 2014, vol. 62, pp. 338-342., WOS
- [1.1] YU, Ch.- QUO, G.- LIN, S. In SCIENCE CHINA-PHYSICS MECHANICS A. ASTRONOMY, 2014, vol. 57, pp. 2079- 2085., WOS
- [1.1] ZHANG, C. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2014, vol. 53, pp. 933., WOS
- [1.1] ZHANG, K.- LI, D.- SU, Q. In PHYSICS SCRIPTA, 2014, vol. 89, 015102., WOS
- [1.1] ZHANG, R. In SCIENCE CHINA-PHYSICS MECHANICS AND ASTRONOMY, 2014, vol. 57, pp. 1511-1518., WOS
- [1.1] ZHANG, W.-W. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2014, vol. 53, pp. 1723-1729., WOS
- [1.1] ZHANG, Z.-H. In QUANTUM INFORMATION PROCESSING, 2014, vol. 13, pp. 1979-2005., WOS
- [1.1] ZHOU, L. In CHINESE PHYSICS B, 2014, vol. 23, 050308., WOS
- [1.1] ZHOU, L. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2014, vol. 53, pp. 1752-1766., WOS
- [1.1] ZHOU, L. In OPTICS COMMUNICATIONS, 2014, vol. 313, pp. 217.,

WOS

- [1.1] ZHOU, R.-G. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2014, vol. 53, pp. 2177-2190., WOS
- [1.1] ZHOU, L. - SHENG, Y.-B. In PHYSICAL REVIEW A, 2014, Vol. 90, 024301., WOS
- [1.1] ZHU, Z.-Ch. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2014, vol. 53, pp. 1495-1501., WOS
- [1.2] BELL, B. A. - MARKHAM, D. - HERRERA-MARTÍ, D. A. - MARIN, A. - WADSWORTH, W. J. - RARITY, J. G. - TAME, M. S. - TAME, M. S. Experimental demonstration of graph-state quantum secret sharing. In Nature Communications, 2014-11-21, 5, 5480., SCOPUS
- [1.2] GAO, Gan. Improvement of Efficient Multiparty Quantum Secret Sharing Based on Bell States and Continuous Variable Operations. In International Journal of Theoretical Physics. ISSN 00207748, 2014-01-29, pp. 1-5., SCOPUS
- [1.2] GRICE, W. P. - EVANS, P. G. - LAWRIE, B. - LEGRÉ, M. - LOUGOVSKI, P. - QI, B. - RAY, W. - SMITH, M. - WILLIAMS, B. Quantum secret sharing with phase-encoded photons. In Optics InfoBase Conference Papers, 2014-01-01., SCOPUS
- [1.2] GRICE, W. P. - EVANS, P. G. - LAWRIE, B. - LEGRÉ, M. - LOUGOVSKI, P. - QI, B. - RAY, W. - SMITH, M. - WILLIAMS, B. Quantum secret sharing with phase-encoded photons. In Optics InfoBase Conference Papers, 2014-01-01., SCOPUS
- [1.2] GRICE, W. P. - EVANS, P. G. - LAWRIE, B. - LEGRÉ, M. - LOUGOVSKI, P. - QI, B. - RAY, W. - SMITH, M. - WILLIAMS, B. Quantum secret sharing with phase-encoded photons. In Optics InfoBase Conference Papers, 2014-01-01., SCOPUS
- [1.2] CHEN, Rui Ke - CHEN, Rui Ke - ZHANG, Ying Ying - ZHANG, Ying Ying - SHI, Jian Hong - SHI, Jian Hong - LI, Feng Guang - LI, Feng Guang. A multiparty error-correcting method for quantum secret sharing. In Quantum Information Processing. ISSN 15700755, 2014-01-01, 13, 1, pp. 21-31., SCOPUS
- [1.2] LAI, Hong - LAI, Hong - ORGUN, Mehmet - XUE, Liyin - XIAO, Jinghua - PIEPRZYK, Josef. Dual compressible hybrid quantum secret sharing schemes based on extended unitary operations. In Proceedings of SPIE The International Society for Optical Engineering. ISSN 0277786X, 2014-01-01, Vol. 9123, 912309., SCOPUS
- [1.2] LIAO, Ci Hong - YANG, Chun Wei - HWANG, Tzonelish. Dynamic quantum secret sharing protocol based on GHZ state. In Quantum Information Processing. ISSN 15700755, 2014-01-01, 13, 8, pp. 1907-1916., SCOPUS
- [1.2] LIU, Feng - LIU, Feng - LIU, Feng - QIN, Su Juan - WEN, Qiao Yan. A quantum secret-sharing protocol with fairness. In Physica Scripta. ISSN 00318949, 2014-07-01, 89, 7, 075104., SCOPUS
- [1.2] LIU, Feng - LIU, Feng - SU, Qi - WEN, Qiao yan. Eavesdropping on Multiparty Quantum Secret Sharing Scheme Based on the Phase Shift Operations. In International Journal of Theoretical Physics. ISSN 00207748, 2014-01-01, 53, 5, pp. 1730-1737., SCOPUS
- [1.2] MAITRA, Arpita - PAUL, Goutam. A Resilient Quantum Secret Sharing Scheme. In International Journal of Theoretical Physics. ISSN 00207748, 2014-06-26., SCOPUS

- [1.2] MATSUMOTO, Ryutaroh. Coding theoretic study of secure network coding and quantum secret sharing. In Proceedings of 2014 International Symposium on Information Theory and Its Applications, ISITA 2014, 2014-01-01, pp. 335-337., SCOPUS
- [1.2] QIN, Su Juan - QIN, Su Juan - LIU, Feng. Information Leakage in Quantum Secret Sharing of Multi-Bits by an Entangled Six-Qubit State. In International Journal of Theoretical Physics. ISSN 00207748, 2014-01-01, 53, 9, pp. 3116-3123., SCOPUS
- [1.2] SHI, Jian Hong - ZHANG, Sheng Li - ZHANG, Hai Long - CHANG, Zheng Gang. One-insider attack of quantum secret sharing protocol with collective eavesdropping-check. In Quantum Information Processing. ISSN 15700755, 2014-01-01, 13, 1, pp. 33-42., SCOPUS
- [1.2] SONG, Yun - LI, Zhi Hui - LI, Yong Ming. The optimal information rate of quantum-secret-sharing schemes based on at most four participants. In Tien Tzu Hsueh Pao/Acta Electronica Sinica. ISSN 03722112, 2014-01-01, 42, 10, pp. 1951-1956., SCOPUS
- [1.2] WANG, Chao - LIU, Xiao - LIU, Jianwei - CHEN, Xiubo - SHANG, Tao. Enhanced circular quantum secret sharing for remote agents. In IET Conference Publications, 2014-01-01, 2014, cP653., SCOPUS
- [1.2] WU, Yadong - CAI, Runze - HE, Guangqiang - ZHANG, Jun - ZHANG, Jun. Quantum secret sharing with continuous variable graph state. In Quantum Information Processing. ISSN 15700755, 2014-01-01, 13, 5, pp. 1085-1102., SCOPUS
- [1.2] XU, Juan - CHEN, Hanwu - LIU, Zhihao - YUAN, Jiabin. High-capacity quantum secret sharing scheme based on six states. In Dongnan Daxue Xuebao (Ziran Kexue Ban)/Journal of Southeast University (Natural Science Edition). ISSN 10010505, 2014-01-01, 44, 4, pp. 708-711., SCOPUS
- [1.2] XU, Juan - YUAN, Jiabin. Improvement and extension of quantum secret sharing using orthogonal product states. In International Journal of Quantum Information. ISSN 02197499, 2014-01-01, 12, 1., SCOPUS
- [1.2] ZHANG, Li - GUO, Ying - HUANG, Dazu. High-efficient quantum secret sharing with arrangements of lines on two-dimensional planes. In International Journal of Internet Protocol Technology. ISSN 17438209, 2014-01-01, 8, 2-3, pp. 116-121., SCOPUS
- [1.2] ZHANG, Xiaoqian - TAN, Xiaoqing - LIANG, Cui. High efficient multi-party quantum secret sharing scheme. In Proceedings 2014 9th International Conference on P2P, Parallel, Grid, Cloud and Internet Computing, 3PGCIC 2014, 2014-01-01, pp. 245-250., SCOPUS
- [1.2] ZHOU, Kai Hui - WANG, Yi - WANG, Tie Jun - WANG, Chuan - WANG, Chuan. Implementation of High Capacity Quantum Secret Sharing Using Orbital Angular Momentum of Photons. In International Journal of Theoretical Physics. ISSN 00207748, 2014-01-01, 53, 11, pp. 3927-3934., SCOPUS

ADCA328 HILLERY, M. - ZHENG, H. - FELDMAN, E. - REITZNER, Daniel - BUŽEK, Vladimír. Quantum walks as a probe of structural anomalies in graphs. In *Physical Review A*, 2012, vol. 85, no. 6, 062325. (2.878 - IF2011). (2012 - Current Contents). ISSN 1050-2947.

Ohlasy:

- [1.1] COTTRELL, Seth - HILLERY, Mark. Finding Structural Anomalies in

Star Graphs Using Quantum Walks. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2014, vol. 112, no. 3, 035304., WOS

[1.1] STEFANAK, M. - BEZDEKOVA, I. - JEX, I. Limit distributions of three-state quantum walks: The role of coin eigenstates. In PHYSICAL REVIEW A. ISSN 1050-2947, 2014, vol. 90, no. 1, 012342., WOS

[1.1] VENANCIO, B. F. - ANDRADE, F. M. - DA LUZ, M. G. E. Unveiling and exemplifying the unitary equivalence of discrete time quantum walk models. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2013, vol. 46, no. 16, 165302., WOS

ADCA329 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. (2.866 - IF2009). (2010 - Current Contents). ISSN 1050-2947.

Ohlasy:

[1.1] ALBERTINI, Francesca - D&APOS;ALESSANDRO, Domenico.

Controllability of quantum walks on graphs. In MATHEMATICS OF CONTROL SIGNALS AND SYSTEMS. ISSN 0932-4194, 2012, vol. 24, no. 3, pp. 321., WOS

[1.1] ANDRADE, F. M. - DA LUZ, M. G. E. Green-function approach for scattering quantum walks. In PHYSICAL REVIEW A, 2011, vol.84, no.4., WOS

[1.1] ANDRADE, F. M. - DA LUZ, M. G. E. Superdiffusivity of quantum walks: A Feynman sum-over-paths description. In PHYSICAL REVIEW A. ISSN 1050-2947, 2012, vol. 86, no. 4, 042309., WOS

[1.1] BERRY, Scott D. - BOURKE, Paul - WANG, Jingbo B. gwViz: Visualisation of quantum walks on graphs. In COMPUTER PHYSICS COMMUNICATIONS, 2011, vol.182, no.10, 2295., WOS

[1.1] DIMCOVIC, Zlatko - ROCKWELL, Daniel - MILLIGAN, Ian - BURTON, Robert M. - THINH NGUYEN - KOVCHEGOV, Yevgeniy. Framework for discrete-time quantum walks and a symmetric walk on a binary tree. In PHYSICAL REVIEW A, 2011, vol.84, no.3, 032311., WOS

[1.1] D&APOS;ALESSANDRO, Domenico - OLMEZ, Sevim. Controllability of system dynamics on networks, quantum walks and random walks. In AUTOMATICA. ISSN 0005-1098, 2013, vol. 49, no. 5, pp. 1358., WOS

[1.1] ELIAS VENEGAS-ANDRACA, Salvador. Quantum walks: a comprehensive review. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2012, vol. 11, no. 5, pp. 1015., WOS

[1.1] CHANDRASHEKAR, C. M. - BANERJEE, Subhashish. Parrondo's game using a discrete-time quantum walk. In PHYSICS LETTERS A, 2011, vol.375, no.14, 1553., WOS

[1.1] KIRKLAND, Steve - SEVERINI, Simone. Spin-system dynamics and fault detection in threshold networks. In PHYSICAL REVIEW A, 2011, vol.83, no.1., WOS

[1.1] SCHREIBER, Andreas - GABRIS, Aurel - ROHDE, Peter P. - LAIHO, Kaisa - STEFANAK, Martin - POTOCEK, Vaclav - HAMILTON, Craig - JEX, Igor - SILBERHORN, Christine. A 2D Quantum Walk Simulation of Two-Particle Dynamics. In SCIENCE. ISSN 0036-8075, 2012, vol. 336, no. 6077, pp. 55., WOS

[1.1] SOLNTSEV, Alexander S. - SUKHORUKOV, Andrey A. - NESHEV,

Dragomir N. - KIVSHAR, Yuri S. Spontaneous Parametric Down-Conversion and Quantum Walks in Arrays of Quadratic Nonlinear Waveguides. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2012, vol. 108, no. 2, 023601., WOS

[1.1] STEFANAK, M. - BEZDEKOVA, I. - JEX, I. Limit distributions of three-state quantum walks: The role of coin eigenstates. In PHYSICAL REVIEW A. ISSN 1050-2947, 2014, vol. 90, no. 1, 012342., WOS

[1.1] VENANCIO, B. F. - ANDRADE, F. M. - DA LUZ, M. G. E. Unveiling and exemplifying the unitary equivalence of discrete time quantum walk models. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2013, vol. 46, no. 16, 165302., WOS

ADCA330 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. (2.684 - IF2000). ISSN 1050-2947.

Ohlasy:

[1.1] CHEN, Ye-Hong - XIA, Yan - SONG, Jie. Deterministic generation of singlet states for N-atoms in coupled cavities via quantum Zeno dynamics. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2014, vol. 13, no. 8, pp. 1857., WOS

ADCA331 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. ISSN 0375-9601.

Ohlasy:

[1.1] HOROSHKO, Dmitri - KILIN, Sergei. Quantum anonymous voting with anonymity check. In PHYSICS LETTERS A, 2011, vol.375, no.8, 1172., WOS

[1.1] JIANG, Lang - HE, Guangqiang - NIE, Ding - XIONG, Jin - ZENG, Guihua. Quantum anonymous voting for continuous variables. In PHYSICAL REVIEW A. ISSN 1050-2947, 2012, vol. 85, no. 4, 042309., WOS

[1.1] LIN, Jason - TSENG, Hsin-Yi - HWANG, Tzonelih. Intercept-resend attacks on Chen et al.'s quantum private comparison protocol and the improvements. In OPTICS COMMUNICATIONS, 2011, vol.284, no.9, 2412., WOS

[1.1] LIU, Wenjie - LIU, Chao - WANG, Haibin - JIA, Tingting. Quantum Private Comparison: A Review. In IETE TECHNICAL REVIEW. ISSN 0256-4602, 2013, vol. 30, no. 5, pp. 439., WOS

[1.1] LI, Yuan - ZENG, Guihua. Anonymous quantum network voting scheme. In OPTICAL REVIEW. ISSN 1340-6000, 2012, vol. 19, no. 3, pp. 121., WOS

[1.1] LUO MING-XING - CHEN XIU-BO - DENG YUN - YANG YI-XIAN. Quantum Message Distribution. In COMMUNICATIONS IN THEORETICAL PHYSICS. ISSN 0253-6102, 2013, vol. 59, no. 1, pp. 37., WOS

[1.1] WANG, Cong - XU, Gang - YANG, Yi-Xian. CRYPTANALYSIS AND IMPROVEMENTS FOR THE QUANTUM PRIVATE COMPARISON PROTOCOL USING EPR PAIRS. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION. ISSN 0219-7499, 2013, vol. 11, no. 4, 1350039., WOS

[1.1] ZHOU RUI-RUI - YANG LI. Quantum election scheme based on

anonymous quantum key distribution. In CHINESE PHYSICS B. ISSN 1674-1056, 2012, vol. 21, no. 8, 080301., WOS

ADCA332 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] LI, Xiaoyu - YANG, Guowu - TORRES, Carlos Manuel - ZHENG, Desheng - WANG, Kang L. A CLASS OF EFFICIENT QUANTUM INCREMENTER GATES FOR QUANTUM CIRCUIT SYNTHESIS. In INTERNATIONAL JOURNAL OF MODERN PHYSICS B. ISSN 0217-9792, 2014, vol. 28, no. 1, 1350191., WOS

[1.2] LI, Xiaoyu - LI, Xiaoyu - YANG, Guowu - TORRES, Carlos Manuel - ZHENG, Desheng - WANG, Kang L. A class of efficient quantum incrementer gates for quantum circuit synthesis. In International Journal of Modern Physics B. ISSN 02179792, 2014-01-10, 28, 1, 1350191., SCOPUS

[1.2] LI, X. Y. - YANG, G. W. - TORRES, C. M. - FAN, F. Y. - ZHENG, D. S. Quantum circuit synthesis with quantum increment gate. In WIT Transactions on Information and Communication Technologies. ISSN 17433517, 2014-01-01, 60, pp. 521-528., SCOPUS

ADCA333 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] AHMED, Saad M. Saleh - YAHAYA, Redzuwan - RADIMAN, Shahidan. CLUSTERIZATION PROBABILITY IN ALPHA-DECAY Po-212 NUCLEUS WITHIN CLUSTER-FORMATION MODEL; A NEW APPROACH. In ROMANIAN REPORTS IN PHYSICS. ISSN 1221-1451, 2013, vol. 65, no. 4, pp. 1281., WOS

[1.1] AHMED, Saad M. Saleh - YAHAYA, Redzuwan - RADIMAN, Shahidan - YASIR, Muhamad Samudi. Alpha-cluster preformation factors in alpha decay for even-even heavy nuclei using the cluster-formation model. In JOURNAL OF PHYSICS G. ISSN 0954-3899, 2013, vol. 40, no. 6, 065105., WOS

[1.1] ASLAM, M.N. - SUDAR, S. - HUSSAIN, M. - MALIK, A.A. - QAIM, S.M. In APPL RAD ISOT, 2011, vol. 69, p. 94-104., WOS

[1.1] BAO, Xiaojun - ZHANG, Hongfei - ZHANG, Haifei - ROYER, G. - LI, Junqing - LI, Junqing. Systematical calculation of α decay half-lives with a generalized liquid drop model. In Nuclear Physics A, 2014, vol. 921, pp. 85-95., WOS

[1.1] BETAN, R.-NAZAREWICZ, W. Alpha decay in the complex-energy shell model. In PHYSICAL REVIEW C, 2012, vol. 86, 034338., WOS

[1.1] CASTRO, J. J. - SOTO, J. R. - YEPEZ, E. Surface properties for alpha-cluster nuclear matter. In JOURNAL OF PHYSICS G. ISSN 0954-3899, 2013, vol. 40, no. 3, 035108., WOS

[1.1] COBAN, A. - BAYRAK, O. - SOYLU, A. - BOZTOSUN, I. Effect of nuclear deformation on alpha-decay half-lives. In PHYSICAL REVIEW C. ISSN 0556-2813, 2012, vol. 85, no. 4, 044324., WOS

[1.1] HASSANABADI, Hasan - JAVADIMANESH, ELham -

ZARRINKAMAR, Saber. A new barrier potential and alpha-decay half-lives of even-even nuclei in the $82 \leq Z \leq 92$ regime. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2013, vol. 906, pp. 84., WOS

[1.1] HASSANABADI, H. - JAVADIMANESH, E. - ZARRINKAMAR, S. ALPHA DECAY HALF-LIVES FOR Pt ISOTOPES. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS. ISSN 0218-3013, 2013, vol. 22, no. 2, 1350007., WOS

[1.1] HASSANABADI, H. - JAVADIMANESH, E. - ZARRINKAMAR, S. ANALYTIC SOLUTION FOR THE POTENTIAL BARRIERS IN ALPHA-DECAY PROCESS FOR Po ISOTOPES. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E. ISSN 0218-3013, 2013, vol. 22, no. 11, 1350080., WOS

[1.1] CHEN, Lie Wen - CHEN, Lie Wen - KO, Che Ming - LI, Bao An - LI, Bao An - XU, Chang - XU, Jun. Probing isospin- and momentum-dependent nuclear effective interactions in neutron-rich matter. In European Physical Journal A, 2014, vol. 50, no. 2, pp. 1-27., WOS

[1.1] ISMAIL, M. - ADEL, A. Prediction of nuclear spin based on the behavior of alpha-particle preformation probability. In PHYSICAL REVIEW C. ISSN 0556-2813, 2013, vol. 88, no. 5, 054604., WOS

[1.1] ISMAIL, M. - ADEL, A. Effect of energy level sequences and neutron proton interaction on alpha-particle preformation probability. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2013, vol. 912, pp. 18., WOS

[1.1] ISMAIL, M. - ADEL, A. Correlation between alpha-particle preformation probability and the energy levels of parent nuclei. In PHYSICAL REVIEW C. ISSN 0556-2813, 2012, vol. 86, no. 1, 014616., WOS

[1.1] ISMAIL, M. - ADEL, A. - ADEL, A. Effect of deformation parameters, Q value, and finite-range NN force on α -particle preformation probability. In Physical Review C Nuclear Physics, 2014, vol. 89, no. 3., 034617., WOS

[1.1] ISMAIL, M. - ADEL, A. - ADEL, A. Investigation of possible correlation between α -particle preformation probability and energy levels for α emitters with $74 \leq Z \leq 83$. In Physical Review C Nuclear Physics, 2014, vol. 90, no. 6, 064624., WOS

[1.1] ISMAIL, M. - ELLITHI, A. Y. - BOTROS, M. M. - ABDURRAHMAN, A. Penetration factor in deformed potentials: Application to alpha decay with deformed nuclei. In PHYSICAL REVIEW C. ISSN 0556-2813, 2012, vol. 86, no. 4, 044317., WOS

[1.1] JAVADIMANESH, E. - HASSANABADI, H. - RAJABI, A. A. - RAHIMOV, H. - ZARRINKAMAR, S. Alpha Decay Half-Lives of Some Nuclei from Ground State to Ground State with Yukawa Proximity Potential. In COMMUNICATIONS IN THEORETICAL PHYSICS. ISSN 0253-6102, 2012, vol. 58, no. 1, pp. 146., WOS

[1.1] KARA, A. - TEL, E. Neutronic Cross Section Calculations on Fluorine Nucleus. In JOURNAL OF FUSION ENERGY. ISSN 0164-0313, 2013, vol. 32, no. 3, pp. 400., WOS

[1.1] NI DONGDONG - REN ZHONGZHOU. Systematic Calculations of alpha-Decay Half-Lives Using Microscopic Deformed Potentials. In PLASMA SCIENCE & TECHNOLOGY. ISSN 1009-0630, 2012, vol. 14, no. 7, pp. 588., WOS

[1.1] NI DONG-DONG - REN ZHONG-ZHOU. Alpha-Decay Study of Unfavored Transitions in Bismuth Isotopes. In CHINESE PHYSICS LETTERS.

ISSN 0256-307X, 2013, vol. 30, no. 2, 022101., WOS

[1.1] NI, Dongdong - REN, Zhongzhou - LI, BA - NATOWITZ, JB. Coupled-channel study of fine structure in the alpha decay of U-233,U-235. In 11TH INTERNATIONAL CONFERENCE ON NUCLEUS-NUCLEUS COLLISIONS (NN2012). ISSN 1742-6588, 2013, vol. 420, pp., WOS

[1.1] NI, Dongdong - REN, Zhongzhou - DONG, Tiekuan - QIAN, Yibin. Nuclear charge radii of heavy and superheavy nuclei from the experimental alpha-decay energies and half-lives. In PHYSICAL REVIEW C. ISSN 0556-2813, 2013, vol. 87, no. 2, 024310., WOS

[1.1] NI, Dongdong - REN, Zhongzhou. Theoretical description of fine structure in the alpha decay of heavy odd-odd nuclei. In PHYSICAL REVIEW C. ISSN 0556-2813, 2013, vol. 87, no. 2, 027602., WOS

[1.1] NI, Dongdong - REN, Zhongzhou - FREEMAN, S - ANDREYEV, A - BRUCE, A - DEACON, A - JENKINS, D - JOSS, D - MACGREGOR, D - REGAN, P - SIMPSON, J - TUNGATE, G - WADSWORTH, R - WATTS, D. Systematic calculation of fine structure in the alpha decay of deformed nuclei. In RUTHERFORD CENTENNIAL CONFERENCE ON NUCLEAR PHYSICS, 2011. ISSN 1742-6588, 2012, vol. 381, 012055., WOS

[1.1] NI, Dongdong - REN, Zhongzhou. Alpha-Decay Studies of Rf, Sg, and Hs Isotopes within the Multi-Channel Cluster Model. In PROGRESS OF THEORETICAL PHYSICS SUPPLEMENT. ISSN 0375-9687, 2012, vol., no. 196, pp. 445., WOS

[1.1] NI, Dongdong - REN, Zhongzhou. Binding energies, alpha-decay energies, and alpha-decay half-lives for heavy and superheavy nuclei. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2012, vol. 893, no., pp. 13., WOS

[1.1] NI, Dongdong - REN, Zhongzhou. Systematic calculation of fine structure in the alpha decay of heavy odd-mass nuclei. In PHYSICAL REVIEW C. ISSN 0556-2813, 2012, vol. 86, no. 5, 054608., WOS

[1.1] NI, Dongdong - REN, Zhongzhou. Coupled-channels study of fine structure in the alpha decay of platinum isotopes. In PHYSICAL REVIEW C, 2011, vol.84, no.3, 037301., WOS

[1.1] NI, Dongdong - REN, Zhongzhou. Coupled-channels study of fine structure in the alpha decay of well deformed nuclei. In PHYSICAL REVIEW C, 2011, vol.83, no.6, 067302., WOS

[1.1] NI, D.D. - REN, Z.Z. In PHYSICAL REVIEW C, 2011, vol. 83, 014310., WOS

[1.1] OKOŁOWICZ, J. - NAZAREWICZ, W. - PŁOSZAJCZAK, M. Toward understanding the microscopic origin of nuclear clustering. In FORTSCHRITTE DER PHYSIK-PROGRESS OF PHYSICS. ISSN 0015-8208, 2013, vol. 61, no. 2-3, pp. 66., WOS

[1.1] QIAN YIBIN - REN ZHONGZHOU. Model-independent trend of alpha-preformation probability. In SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY. ISSN 1674-7348, 2013, vol. 56, no. 8, pp. 1520., WOS

[1.1] QIAN, Yibin - QIAN, Yibin - QIAN, Yibin - REN, Zhongzhou - REN, Zhongzhou - REN, Zhongzhou - REN, Zhongzhou. Predictions on properties of α decay and spontaneous fission in superheavy odd- Z nuclei. In Physical Review C Nuclear Physics, 2014, vol. 90, no. 6, 064308., WOS

[1.1] QIAN, Yibin - QIAN, Yibin - REN, Zhongzhou - REN, Zhongzhou - REN, Zhongzhou - REN, Zhongzhou. Half-lives of α decay from natural nuclides and from superheavy elements. In Physics Letters, Section B: Nuclear,

Elementary Particle and High-Energy Physics, 2014, vol. 738, pp. 87-91., WOS

[1.1] QIAN, Yibin - QIAN, Yibin - REN, Zhongzhou - REN, Zhongzhou - REN, Zhongzhou - REN, Zhongzhou - NI, Dongdong. Tentative probe into the nuclear charge radii of superheavy odd-mass and odd-odd nuclei. In Physical Review C Nuclear Physics, 2014, vol. 89, no. 2, 024318., WOS

[1.1] QIAN, Yibin - REN, Zhongzhou. Possible alpha decay chains from isotopes of superheavy element 120. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2013, vol. 49, no. 1, 5., WOS

[1.1] QIAN, Yibin - REN, Zhongzhou. Unfavored alpha decay from ground state to ground state in the range $53 \leq Z \leq 91$. In PHYSICAL REVIEW C. ISSN 0556-2813, 2012, vol. 85, no. 2, 027306., WOS

[1.1] QIAN, Yibin - REN, Zhongzhou - NI, Dongdong. alpha-Decay near the shell closure from ground and isomeric states. In NUCLEAR PHYSICS A, 2011, vol.866, no.1, 1-15., WOS

[1.1] QIAN, Yibin - REN, Zhongzhou - NI, Dongdong. Calculations of alpha-decay half-lives for heavy and superheavy nuclei. In PHYSICAL REVIEW C, 2011, vol.83, no.4, 044317., WOS

[1.1] QIAN, Yibin - REN, Zhongzhou. Systematic calculations on exotic alpha-decay half-lives of nuclei with $N=125, 126, 127$. In NUCLEAR PHYSICS A, 2011, vol.852, no.1, 82-91., WOS

[1.1] QIAN, Yibin - REN, Zhongzhou - NI, Dongdong. alpha-decay half-lives in medium mass nuclei. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS, 2011, vol.38, no.1, 015102., WOS

[1.1] QIAN, Y.-REN, Z. Shape probe of Hg and Pt isotopes by alpha decay. In JOURNAL OF PHYSICS G, 2012, vol. 39, no. 11, 115106., WOS

[1.1] REN YUEJIAO - REN ZHONGZHOU. New Geiger-Nuttall law of odd-Z nuclei and long-lived island beyond the stable line. In NUCLEAR SCIENCE AND TECHNIQUES. ISSN 1001-8042, 2013, vol. 24, no. 5, 050518., WOS

[1.1] REN, Yuejiao - REN, Zhongzhou. New Geiger-Nuttall law for a decay of heavy nuclei. In PHYSICAL REVIEW C. ISSN 0556-2813, 2012, vol. 85, no. 4, 044608., WOS

[1.1] REN, Zhongzhou - REN, Zhongzhou - REN, Zhongzhou - REN, Zhongzhou - NI, Dongdong - NI, Dongdong. Systematics of fine structure in the α decay of deformed odd-mass nuclei. In Journal of Physics: Conference Series, 2014, vol. 569, no. 1, 012039., WOS

[1.1] SANTHOSH, K. P. - JOSEPH, Jayesh George. Systematic studies on alpha-decay fine structure of odd-odd nuclei in the region $83 \leq Z \leq 101$. In PHYSICAL REVIEW C. ISSN 0556-2813, 2012, vol. 86, no. 2, 024613., WOS

[1.1] SANTHOSH, K. P. - JOSEPH, Jayesh George - PRIYANKA, B. - SAHADEVAN, Sabina. Systematic study on the alpha-decay fine structure of even-odd nuclei in the range $84 \leq Z \leq 102$. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS, 2011, vol.38, no.7, 075101., WOS

[1.1] SANTHOSH, K. P. - PRIYANKA, B. ALPHA-DECAY STUDIES ON Eu130-153 NUCLEI. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS. ISSN 0218-3013, 2013, vol. 22, no. 11, 1350081., WOS

[1.1] SANTHOSH, K. P. - SAHADEVAN, Sabina - JOSEPH, Jayesh George. Alpha decay of even-even nuclei in the region $78 \leq Z \leq 102$ to

- the ground state and excited states of daughter nuclei. In NUCLEAR PHYSICS A, 2011, vol.850, no.1, 34-52., WOS
- [1.1] SEIF, W. M. The alpha decay spectroscopic factor of heavy and superheavy nuclei. In JOURNAL OF PHYSICS G. ISSN 0954-3899, 2013, vol. 40, no. 10, 105102., WOS
- [1.1] SOYLU, A. - SERT, Y. - BAYRAK, O. - BOZTOSUN, I. Role of the cluster deformations in explaining the exotic decay half-lives. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2012, vol. 48, no. 9, 128., WOS
- [1.1] SUHARA, Tadahiro - ITAGAKI, Naoyuki - CSEH, Jozsef - PLOSZAJCZAK, Marek. Novel and simple description for a smooth transition from alpha-cluster wave functions to j j-coupling shell model wave functions. In PHYSICAL REVIEW C. ISSN 0556-2813, 2013, vol. 87, no. 5, 054334., WOS
- [1.1] WANG, Y. Z. - GU, Q. F. - DONG, J. M. - PENG, B. B. ALPHA DECAY HALF-LIVES OF EXOTIC NUCLEI AROUND SHELL CLOSURES. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS, 2011, vol.20, no.1, 127-138., WOS
- [1.1] WANG, Y. Z. - WANG, Y. Z. - GU, J. Z. - HOU, Z. Y. Preformation factor for α particles in isotopes near $N=Z$. In Physical Review C Nuclear Physics, 2014, vol. 89, no. 4, 047301., WOS
- [1.1] WANG, Y.Z.-LI,Z.Y.-YU,G.L. In JOURNAL OF PHYSICS G, 2014, vol. 41, no. 5, 055102., WOS
- [1.1] WANG,J.M.- ZHANG,H.F.- LI,J.Q. In JOURNAL OF PHYSICS G, 2014, vol. 41, no. 6, 065102., WOS
- [1.1] WEI,D.-WANG,N.-OU,Li. In JOURNAL OF PHYSICS G, 2014, vol. 41, no. 3, 035104., WOS
- [1.1] XU, F. R. - WANG, S. M. - LIN, Z. J. - PEI, J. C. Alpha-decay quantum-tunnelling calculations based on a folded Woods-Saxon potential. In JOURNAL OF PHYSICS CONFERENCE SERIES, 2013, vol. 436, UNSP 012064., WOS
- [1.1] YIGIT, M. - TEL, E. - TANIR, G. Calculations of Proton Emission Cross Sections in Deuteron Induced Reactions of Some Fusion Structural Materials. In JOURNAL OF FUSION ENERGY. ISSN 0164-0313, 2013, vol. 32, no. 3, pp. 317., WOS
- [1.1] YIGIT, M. - TEL, E. - TANIR, G. Calculations of (n,alpha) Cross Sections on Some Structural Fusion Materials for Fusion Reactor Technology. In JOURNAL OF FUSION ENERGY. ISSN 0164-0313, 2013, vol. 32, no. 3, pp. 336., WOS
- [1.1] YIGIT, M. - TEL, E. Alpha Production Cross Sections for Some Target Fusion Structural Materials up to 35 MeV. In JOURNAL OF FUSION ENERGY. ISSN 0164-0313, 2013, vol. 32, no. 4, pp. 442., WOS
- [1.1] YIGIT, M. - TEL, E. - KARA, A. Deuteron Induced (d,p) and (d,2p) Nuclear Reactions up to 50 MeV. In JOURNAL OF FUSION ENERGY. ISSN 0164-0313, 2013, vol. 32, no. 3, pp. 362., WOS
- [1.1] ZHANG, Xin - XU, Chang - REN, Zhongzhou. alpha decay to members of favored bands in both even-even and odd-A nuclei. In PHYSICAL REVIEW C, 2011, vol.84, no.4., WOS
- [1.1] ZHU, T.B. - HU, B.T. - ZHANG, H.F. - DONG, J.M. - LI, J.Q. In COMMUNICATION IN THEORETICAL PHYSICS, 2011, vol. 55, p. 307-314., WOS
- [1.2] QIAN, Y. - REN, Z. Systematic study of new data for extreme α

decays. In *Physical Review C Nuclear Physics*, 2011, vol.84, no.6, 064617., SCOPUS

[1.2] SAHU, B.K. - BHUYAN, M. - MAHAPATRO, S. - PATRA, S.K. The α -decay chains of the 287,288115 isotopes using relativistic mean field theory. In *International Journal of Modern Physics E*, 2011, vol.20, no.10, 2217-2228., SCOPUS

[1.2] UOZUMI, Y. - SAWADA, Y. - MZHAVIA, A. - NOGAMINE, S. - IWAMOTO, H. - KIN, T. - HOHARA, S. - WAKABAYASHI, G. - NAKANO, M. Deuteron-production double-differential cross sections for 300- and 392-MeV proton-induced reactions deduced from experiment and model calculation. In *Physical Review C Nuclear Physics*, 2011, vol.84, no.6, 064617., SCOPUS

[1.2] WANG, Y.Z. - GU, Q.F. - DONG, J.M. - PENG, B.B. Alpha decay half-lives of exotic nuclei around shell closures. In *International Journal of Modern Physics E*, 2011, vol.20, no.1, 127-138., SCOPUS

[1.2] ZHU, T.-B. - HU, B.-T. - ZHANG, H.-F. - DONG, J.-M. - LI, J.-Q. Half-lives for alpha radioactivity of elements with $104 \leq z \leq 120$ within Unified Fission Model. In *Communications in Theoretical Physics*, 2011, vol.55, no.2, 307-314., SCOPUS

ADCA334 HOLLWIESER, R. - FABER, M. - GREENSITE, J. - HELLER, U.M. - OLEJNÍK, Štefan. Center vortices and the Dirac spectrum. In *Physical Review D*, 2008, vol. 78, 054508. ISSN 1550-7998.

Ohlasy:

[1.1] BOWMAN, Patrick O. - LANGFELD, Kurt - LEINWEBER, Derek B. - STERNBECK, Andre - VON SMEKAL, Lorenz - WILLIAMS, Anthony G. Role of center vortices in chiral symmetry breaking in SU(3) gauge theory. In *PHYSICAL REVIEW D*, 2011, vol.84, no.3, 034501., WOS

[1.1] DOFF, A. - MACHADO, F. A. - NATALE, A. A. Chiral symmetry breaking in QCD-like gauge theories with a confining propagator and dynamical gauge boson mass generation. In *ANNALS OF PHYSICS*. ISSN 0003-4916, 2012, vol. 327, no. 4, pp. 1030-1049., WOS

[1.1] ENGELHARDT, M. Center vortex model for the infrared sector of SU(3) Yang-Mills theory: Topological susceptibility. In *PHYSICAL REVIEW D*, 2011, vol.83, no.2, 025015., WOS

[1.1] GONGYO, Shinya - IRITANI, Takumi - SUGANUMA, Hideo. Gauge-invariant formalism with a Dirac-mode expansion for confinement and chiral symmetry breaking. In *PHYSICAL REVIEW D*. ISSN 1550-7998, 2012, vol. 86, no. 3, 034510., WOS

[1.1] CHERNODUB, M. N. - NAKAGAWA, Y. - NAKAMURA, A. - SAITO, T. - ZAKHAROV, V. I. Gluon propagators and center vortices in gluon plasma. In *PHYSICAL REVIEW D*, 2011, vol.83, no.11, 114501., WOS

[1.1] IRITANI, Takumi - SUGANUMA, Hideo. Lattice QCD analysis of the Polyakov loop in terms of Dirac eigenmodes. In *PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS*. ISSN 2050-3911, 2014, no. 3, 033B03., WOS

[1.1] KALAYDZHYAN, Tigran. Chiral superfluidity of the quark-gluon plasma. In *NUCLEAR PHYSICS A*. ISSN 0375-9474, 2013, vol. 913, pp. 243-263., WOS

[3] DOFF, A.-MACHADO, F.A.-NATALE, A.A. Chiral symmetry breaking with a confining propagator. In *PROCEEDINGS OF*

SCIENCE-QCD-TNT-II, 2011, P. 032.

[3] KALAYDZHYAN, T. Quark-gluon plasma in strong magnetic fields. In PhD THESIS, UNIVERSITY OF HAMBURG, 2013.

[3] SUGANUMA, H. Relevant gluonic momentum for confinement and gauge-invariant formalism. In PROCEEDINGS OF SCIENCE-QCD-TNT-II, 2011, p. 044.

ADCA335 HOLOTESCU, S. - STOIAN, F.D. - MARINICA, O. - KUBIČÁR, Ľudovít - KOPCANSKY, P. - TIMKO, M. Utilization of the magnetogrulometric analysis to estimate the thermal conductivity of magnetic fluids. In *Journal of Magnetism and Magnetic Materials*, 2011, vol. 323, no. 10, p. 1343-1347. (1.690 - IF2010). (2011 - Current Contents, WOS, SCOPUS). ISSN 0304-8853.

Ohlasy:

[1.1] NKURIKIYIMFURA, Innocent - WANG, Yanmin - PAN, Zhidong. Heat transfer enhancement by magnetic nanofluids-A review. In RENEWABLE & SUSTAINABLE ENERGY REVIEWS. ISSN 1364-0321, 2013, vol. 21, pp. 548., WOS

ADCA336 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. (3.272 - IF1995). (1996 - Current Contents, SCOPUS). ISSN 0370-2693.

Ohlasy:

[1.1] FENG, Zhao-Qing. Transverse emission of isospin ratios as a probe of high-density symmetry energy in isotopic nuclear reactions. In PHYSICS LETTERS B. ISSN 0370-2693, 2012, vol. 707, no. 1, pp. 83., WOS

ADCA337 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. (3.272 - IF1995). (1996 - Current Contents, SCOPUS). ISSN 0370-2693.

Ohlasy:

[1.1] FENG, Zhao-Qing. Nuclear in-medium effects and collective flows in heavy-ion collisions at intermediate energies. In PHYSICAL REVIEW C. ISSN 0556-2813, 2012, vol. 85, no. 1, 014604., WOS

[1.1] FENG, Zhao-Qing. Transverse emission of isospin ratios as a probe of high-density symmetry energy in isotopic nuclear reactions. In PHYSICS LETTERS B. ISSN 0370-2693, 2012, vol. 707, no. 1, pp. 83., WOS

ADCA338 HORVÁTHOVÁ, Lucia - DUBECKÝ, Matúš - MITÁŠ, L. - ŠTICH, Ivan. Quantum Monte Carlo study of pi-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. (5.389 - IF2012). (2013 - Current Contents). ISSN 1549-9618.

Ohlasy:

[1.1] LIU, Kun - LI, Yu-Xue - SU, Jia-Ling - WANG, Bin. The Reliability of DFT Methods to Predict Electronic Structures and Minimum Energy Crossing Point for [(FeO)-O-IV](OH)(2) Models: A Comparison Study with MCQDPT Method. In *JOURNAL OF COMPUTATIONAL CHEMISTRY*. ISSN 0192-8651, 2014, vol. 35, no. 9, pp. 703-710., WOS

[1.1] REISHUS, Kimberly N. - BRATHWAITE, Antonio D. - MOSLEY, Jonathan D. - DUNCAN, Michael A. Coordination versus Solvation in Al⁺(benzene)(n) Complexes Studied with Infrared Spectroscopy. In *JOURNAL OF PHYSICAL CHEMISTRY A*. ISSN 1089-5639, 2014, vol. 118, no. 35, pp. 7516-7525., WOS

ADCA339 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. (7.370 - IF2011). (2012 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Ohlasy:

[1.1] GUENTHER, V. - MAUSS, F. Si(100)2x1 epitaxy. In *PHYSICS PROCEDIA*, 2013, vol. 40, pp. 56-64., WOS

[1.1] MASUBUCHI, Tsugunosuke - OHI, Katsuya - IWASA, Takeshi - NAKAJIMA, Atsushi. Experimental and theoretical studies on the electronic properties of vanadium-benzene sandwich cluster anions, V(n)Bz(n+1)(-) (n=1-5). In *JOURNAL OF CHEMICAL PHYSICS*. ISSN 0021-9606, 2012, vol. 137, no. 22, 224305., WOS

[1.1] MASUBUCHI, Tsugunosuke - IWASA, Takeshi - NAKAJIMA, Atsushi. Experimental and theoretical studies of the structural and electronic properties of vanadium benzene sandwich clusters and their anions: V(n)Bz(n)(0/-) (n=1-5) and V(n)Bz(n-1)(0/-) (n=2-5). In *JOURNAL OF CHEMICAL PHYSICS*. ISSN 0021-9606, 2014, vol. 141, no. 21, 214304., WOS

[1.1] PALEARI S. et al. Evidence of trigonal dangling bonds at Ge(111)oxide interface by electrically detected magnetic resonance. In *PHYSICAL REVIEW LETTERS*, 2013, vol. 110, no. 20, 206101., WOS

[1.1] REISHUS, Kimberly N. - BRATHWAITE, Antonio D. - MOSLEY, Jonathan D. - DUNCAN, Michael A. Coordination versus Solvation in Al⁺(benzene)(n) Complexes Studied with Infrared Spectroscopy. In *JOURNAL OF PHYSICAL CHEMISTRY A*. ISSN 1089-5639, 2014, vol. 118, no. 35, pp. 7516-7525., WOS

ADCA340 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, p. 1545-1549. (1.537 - IF2011). (2012 - Current Contents). ISSN 0022-3093.

Ohlasy:

[1.1] PIETRUSIEWICZ, Pawel - NABIALEK, Marcin - DOSPIAL, Marcin - GRUSZKA, Konrad - BLOCH, Katarzyna - GONDRO, Joanna - BRAGIEL,

Piotr - SZOTA, Michal - STRADOMSKI, Zbigniew. Influence of production method on the magnetic parameters and structure of Fe₆₁Co₁₀Y₈Nb₁B₂₀ amorphous alloys in the as-quenched state. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2014, vol. 615, pp. S67-S70., WOS

ADCA341 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. (2.112 - IF2012). (2013 - Current Contents, WOS, SCOPUS). ISSN 0169-4332.

Ohlasy:

[1.1] FU, Jie - ZHU, Yunhu - ZHENG, Chao - LIU, Ren - JI, Zhong. Effect of laser shock peening on mechanical properties of Zr-based bulk metallic glass. In APPLIED SURFACE SCIENCE. ISSN 0169-4332, 2014, vol. 313, pp. 692-697., WOS

[1.1] LI, Nan - LI, JiaHao - LIU, JianBo - LIU, BaiXin. Formation and magnetic properties of metastable phases observed in the Fe-50(Hf_xTa_{1-x})(50) films by ion beam mixing. In APPLIED SURFACE SCIENCE. ISSN 0169-4332, 2014, vol. 290, pp. 495-498., WOS

ADCA342 HRASKA, V. - KRAJČÍ, Marián - HAUN, C. - NTALAKOURA, K. - RAZEK, V. - LACOUR-GAYET, F. - WEIL, J. - REICHENSPURNER, H. Ross and Ross-Konno procedure in children and adolescents. In *European Journal of Cardio-Thoracic Surgery*, 2004, vol. 25, no. 5, p. 742-747. ISSN 1010-7940.

Ohlasy:

[1.1] ALSOUFI, Bahaaldin - FADEL, Bahaa - BULBUL, Ziad - AL-AHMADI, Mamdouh - AL-FAYYADH, Majid - KALLOGHLIAN, Avedis - SIBLINI, Ghassan - AL-HALEES, Zohair. Cardiac reoperations following the Ross procedure in children: spectrum of surgery and reoperation results. In EUROPEAN JOURNAL OF CARDIO-THORACIC SURGERY. ISSN 1010-7940, 2012, vol. 42, no. 1, pp. 25., WOS

[1.1] MAEDA, Katsuhide - RIZAL, Rachel E. - LAVRSEN, Michael - MALHOTRA, Sunil P. - AKRAM, Sami A. - DAVIES, Ryan - SULEMAN, Sam - REINHARTZ, Olaf - MURPHY, Daniel J. - HANLEY, Frank L. - REDDY, V. Mohan. Midterm Results of the Modified Ross/Konno Procedure in Neonates and Infants. In ANNALS OF THORACIC SURGERY. ISSN 0003-4975, 2012, vol. 94, no. 1, pp. 156., WOS

[1.1] MITROPOULOS, Fotios A. - KANAKIS, Meletios A. - APOSTOLOPOULOU, Sotiria C. - RAMMOS, Spyridon - ANAGNOSTOPOULOS, Constantine E. The Ross-Konno Procedure as Reoperative Treatment in a Young Adult with Congenital Aortic Stenosis. In HEART SURGERY FORUM. ISSN 1098-3511, 2012, vol. 15, no. 4, pp. E182., WOS

[1.1] PATEL, Jyoti Kandlikar - IYER, V. Ramesh. Managing Arrhythmias before and after Aortic Valve Surgery in Children. In AMERICAN JOURNAL OF CARDIOVASCULAR DRUGS. ISSN 1175-3277, 2012, vol. 12, no. 1, pp. 23., WOS

[1.1] PAULIKS, Linda B. - BRIAN CLARK, J. - ROGERSON, Ashley - DIPIETRO, Amy - MYERS, John L. - CYRAN, Stephen E. Exercise Stress Echocardiography After Childhood Ross Surgery: Functional Outcome in 26 Patients From a Single Institution. In PEDIATRIC CARDIOLOGY. ISSN

0172-0643, 2012, vol. 33, no. 5, pp. 797., WOS

[1.1] WOODS, Ronald K. - PASQUALI, Sara K. - JACOBS, Marshall L. - AUSTIN, Erle H. - JACOBS, Jeffrey P. - KROLIKOWSKI, Mary - MITCHELL, Michael E. - PIZARRO, Christian - TWEDDELL, James S. Aortic valve replacement in neonates and infants: An analysis of the Society of Thoracic Surgeons Congenital Heart Surgery Database. In JOURNAL OF THORACIC AND CARDIOVASCULAR SURGERY. ISSN 0022-5223, 2012, vol. 144, no. 5, pp. 1084., WOS

ADCA343 HUBER, M. - PLESCH, Martin. Purification of genuine multipartite entanglement. In *Physical Review A*, 2011, vol. 83, no. 6, 062321. (2.861 - IF2010). (2011 - Current Contents). ISSN 1050-2947.

Ohlasy:

[1.1] DE PAULA, A. L. - DE OLIVEIRA, J. G. G. - PEIXOTO DE FARIA, J. G. - FREITAS, Dagoberto S. - NEMES, M. C. Entanglement dynamics of many-body systems: Analytical results. In PHYSICAL REVIEW A. ISSN 1050-2947, 2014, vol. 89, no. 2, 022303., WOS

[1.1] HUANG, Yi-Sheng - XING, Hai-Bo - YANG, Ming - YANG, Qing - SONG, Wei - CAO, Zhuo-Liang. Distillation of multipartite entanglement by local filtering operations. In PHYSICAL REVIEW A. ISSN 1050-2947, 2014, vol. 89, no. 6, 062320., WOS

ADCA344 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 0556-2813.

Ohlasy:

[1.1] BETAK, Emil - KRTICKA, M - BECVAR, F - KROLL, J. Iwamoto-Harada model of pre-equilibrium cluster emission: Should we care about angular momentum? In CNR*11 THIRD INTERNATIONAL WORKSHOP ON COMPOUND NUCLEAR REACTIONS AND RELATED TOPICS. ISSN 2100-014X, 2012, vol. 21, 09004., WOS

[1.1] HAN, Yinlu - XU, Yongli - LIANG, Haiying - GUO, Hairui - SHEN, Qingbiao. Double differential cross sections of n+Cu-63,Cu-65,Cu-nat. reactions. In ANNALS OF NUCLEAR ENERGY, 2011, vol.38, no.9, 1950., WOS

[1.1] HAN, Yinlu - XU, Yongli - ZHANG, Zhengjun - SHEN, Qingbiao. The cross sections and energy spectra of the particle emission in proton induced reactions on Bi-209. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS. ISSN 0168-583X, 2012, vol. 289, no., pp. 106., WOS

[1.1] HAN, Yinlu - XU, Yongli - LIANG, Haiying - GUO, Hairui - CAI, Chonghai - SHEN, Qingbiao. The analysis of n+Np-237 reactions for energies up to 200 MeV. In ANNALS OF NUCLEAR ENERGY. ISSN 0306-4549, 2012, vol. 46, pp. 179., WOS

[1.1] HAN, Yinlu - XU, Yongli - CAI, Chonghai - SHEN, Qingbiao. Double differential cross sections of light charged particle emission of n+Al-27 reaction. In ANNALS OF NUCLEAR ENERGY. ISSN 0306-4549, 2013, vol. 55, pp. 75., WOS

[1.1] Han, Y. Theoretical calculations and analysis. In NUCLEAR SCIENCE AND ENGINEERING, 2012, vol. 172, pp. 102., WOS

[1.1] HOU PEI-YOU - SUN XIAO-JUN - YU CHENG-GANG - LU XIAO. Theoretical analysis of double-differential neutron emission cross sections for $n+Fe-56$ reactions at incident energies of 7-13 MeV. In CHINESE PHYSICS C, 2011, vol.35, no.1, 35., WOS

[1.1] SUN, Xiaojun - HOU, Peiyu - QU, Wenjing - DUAN, Junfeng - ZHANG, Jingshang. Model calculation of neutron kerma coefficient for $n+Fe-56$ below 20 MeV. In ANNALS OF NUCLEAR ENERGY, 2011, vol.38, no.2-3, 455., WOS

[1.1] WU, Zhendong - LIANG, Haiying - LI, Juan - ZHANG, Zhengjun - HAN, Yinlu. Theoretical calculations and evaluations of $n+S-32, S-33, S-34, S-36, S-nat.$ reactions. In ANNALS OF NUCLEAR ENERGY. ISSN 0306-4549, 2014, vol. 73, pp. 17-32., WOS

ADCA345 CHADWICK, M.B. - OBLOŽINSKÝ, Pavol. Particle-hole state densities with linear momentum. In *Physical Review C*, 1992, vol. 46, no. 5, p. 2028-2041. ISSN 0556-2813.

Ohlasy:

[1.1] BETAK, Emil - KRTICKA, M - BECVAR, F - KROLL, J. Iwamoto-Harada model of pre-equilibrium cluster emission: Should we care about angular momentum? In CNR*11 THIRD INTERNATIONAL WORKSHOP ON COMPOUND NUCLEAR REACTIONS AND RELATED TOPICS. ISSN 2100-014X, 2012, vol. 21, 09004., WOS

[1.1] BRITO, L. - CARLSON, B. V. - CARLSON, BV - DEPPMAN, A. Comparison of approximations to the transition rate in the DDHMS preequilibrium model. In CNR*13 FOURTH INTERNATIONAL WORKSHOP ON COMPOUND NUCLEAR REACTIONS AND RELATED TOPICS. ISSN 2100-014X, 2014, vol. 69, 00024., WOS

[1.1] BRITO, L. - CARLSON, B. V. - TABACNIKS, MH - DEOLIVEIRA, JRB - HIGA, R - SHORTO, JMB. Comparison of transition densities in the DDHMS model of pre-equilibrium emission. In XXXVI BRAZILIAN WORKSHOP ON NUCLEAR PHYSICS. ISSN 0094-243X, 2014, vol. 1625, pp. 174-176., WOS

[1.1] BRITO, L. - MEGA, D. F. - CARLSON, B. V. - MELQUIADES, FL - GENEZINI, FA - MEDINA, NH - DOSANJOS, RM - AVANCINI, SD. The density of available states of the DDHMS pre-equilibrium model. In XXXV BRAZILIAN WORKSHOP ON NUCLEAR PHYSICS. ISSN 0094-243X, 2013, vol. 1529, pp. 287., WOS

[1.1] CARLSON, B. V. - MEGA, D. F. - KRTICKA, M - BECVAR, F - KROLL, J. The density of available states of the DDHMS pre-equilibrium model. In CNR*11 THIRD INTERNATIONAL WORKSHOP ON COMPOUND NUCLEAR REACTIONS AND RELATED TOPICS. ISSN 2100-014X, 2012, vol. 21, 09001., WOS

ADCA346 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 0556-2813.

Ohlasy:

[1.1] ADAMCZYK, A. M. - NORMAN, R. B. - SRIPRISAN, S. I. - TOWNSEND, L. W. - NORBURY, J. W. - BLATTNIG, S. R. - SLABA, T. C. NUCFRG3: Light ion improvements to the nuclear fragmentation model. In

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH
SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND
ASSOCIATED EQUIPMENT. ISSN 0168-9002, 2012, vol. 678, p. 21., WOS

[1.1] BELYSHEV, S. S. - ISHKHANOV, B. S. - ORLIN, V. N. - STOPANI, K. A. - KHANKIN, V. V. - SHVEDUNOV, N. V. Photodisintegration of the isotope Cd-116. In PHYSICS OF ATOMIC NUCLEI. ISSN 1063-7788, 2013, vol. 76, no. 8, pp. 931., WOS

[1.1] BEYER, R. - BIRGERSSON, E. - JUNGHANS, A. R. - MASSARCZYK, R. - SCHRAMM, G. - SCHWENGNER, R. - GROSSE, E. ELECTROMAGNETIC STRENGTH IN HEAVY NUCLEI EXPERIMENTS AND A GLOBAL FIT. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS, 2011, vol.20, no.2, 431., WOS

[1.1] ERMAKOV, A. N. - MAKARENKO, I. V. - ORLIN, V. N. - ISHKHANOV, B. S. - KAPITONOV, I. M. Multi-particle Photonuclear Reactions behind Giant Dipole Resonance. In JOURNAL OF THE KOREAN PHYSICAL SOCIETY, 2011, vol.59, no.2, 1936., WOS

[1.1] GROSSE, E. - JUNGHANS, A. R. - MASSARCZYK, R. - SCHWENGNER, R. - SCHRAMM, G. - KRTICKA, M - BECVAR, F - KROLL, J. Description of dipole strength in heavy nuclei in conformity with their quadrupole degrees of freedom. In CNR*11 THIRD INTERNATIONAL WORKSHOP ON COMPOUND NUCLEAR REACTIONS AND RELATED TOPICS. ISSN 2100-014X, 2012, vol. 21, 04003., WOS

[1.1] ISHKHANOV, B. S. - KAPITONOV, I. M. - KUZNETSOV, A. A. - ORLIN, V. N. - YOON, Han Dong. Photonuclear reactions on molybdenum isotopes. In PHYSICS OF ATOMIC NUCLEI. ISSN 1063-7788, 2014, vol. 77, no. 11, pp. 1362., WOS

[1.1] ISHKHANOV, B. S. - KAPITONOV, I. M. - KUZNETSOV, A. A. - ORLIN, V. N. - YOON, H. D. Photodisintegration of molybdenum isotopes. In MOSCOW UNIVERSITY PHYSICS BULLETIN. ISSN 0027-1349, 2014, vol. 69, no. 1, pp. 37., WOS

[1.1] ISHKHANOV, B. S. - ORLIN, V. N. Combined model of photonucleon reactions. In PHYSICS OF ATOMIC NUCLEI, 2011, vol.74, no.1, 19., WOS

[1.1] ISHKHANOV, B. S. - ORLIN, V. N. Isovector giant E2 resonance and overtone of the isovector giant E1 resonance in photonucleon reactions. In PHYSICS OF ATOMIC NUCLEI. ISSN 1063-7788, 2013, vol. 76, no. 1, pp. 30., WOS

[1.1] ISHKHANOV, B. S. - TROSHCHIEV, S. Yu. Simulation of photodisintegration of heavy nuclei. In MOSCOW UNIVERSITY PHYSICS BULLETIN, 2011, vol.66, no.3, 219., WOS

[1.1] KIM, Kyung Sook - RAHMAN, Md Shakilur - LEE, Manwoo - KIM, Guinyun - PHAM DUC KHUE - NGUYEN VAN DO - CHO, Moo-Hyun - KO, In Soo - NAMKUNG, Won - NAIK, H. - RO, Tae-Ik. Measurement of isomeric yield ratios for Nb-93(γ ,4n)Nb-89m,Nb-g and Mo-nat(γ ,xn1p)Nb-95m,Nb-g reactions with 50-, 60-, and 70-MeV bremsstrahlung. In JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY, 2011, vol.287, no.3, 869., WOS

[1.1] KLUSEK-GAWENDA, Mariola - CIEMALA, Michal - SCHAEFER, Wolfgang - SZCZUREK, Antoni. Electromagnetic excitation of nuclei and neutron evaporation in ultrarelativistic ultraperipheral heavy ion collisions. In PHYSICAL REVIEW C. ISSN 0556-2813, 2014, vol. 89, no. 5, 054907., WOS

- [1.1] KONING, A. J. - ROCHMAN, D. Modern Nuclear Data Evaluation with the TALYS Code System. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2012, vol. 113, no. 12, pp. 2841., WOS
- [1.1] PLUJKO, V. A. - CAPOTE, R. - GORBACHENKO, O. M. Giant dipole resonance parameters with uncertainties from photonuclear cross sections. In ATOMIC DATA AND NUCLEAR DATA TABLES, 2011, vol.97, no.5, 567., WOS
- [1.1] PSHENICHNOV, I. A. Electromagnetic excitation and fragmentation of ultrarelativistic nuclei. In PHYSICS OF PARTICLES AND NUCLEI, 2011, vol.42, no.2, 215., WOS
- [1.1] RAHMAN, M. S. - KIM, K. S. - LEE, M. W. - KIM, G. N. - NGUYEN, V. D. - KHUE, P. D. - CHO, M. H. - NAMKUNG, W. Measurements of Isomeric Yield Ratios of Sc-44m, Sc-g and Y-85m, Y-g with Intermediate Energy Bremsstrahlung. In JOURNAL OF THE KOREAN PHYSICAL SOCIETY, 2011, vol.59, no.2, 1749., WOS
- [1.1] VARLAMOV, V.V. New approach to analyzing. In PHYSICS OF ATOMIC NUCLEI, 2012, vol. 75. PP. 1339., WOS

ADCA347 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. (4.619 - IF2004). (2005 - Current Contents, WOS, SCOPUS). ISSN 0370-2693.

Ohlasy:

- [1.1] ELLIOTT, Blair - CHABYSHEVA, Sophia S. - HILLER, John R. Application of the light-front coupled-cluster method to $\phi(4)$ theory in two dimensions. In PHYSICAL REVIEW D. ISSN 1550-7998, 2014, vol. 90, no. 5, 056003., WOS
- [1.1] CHABYSHEVA, Sophia S. - HILLER, John R. First nonperturbative calculation in light-front QED for an arbitrary covariant gauge. In PHYSICAL REVIEW D. ISSN 1550-7998, 2011, vol. 84, no. 3, pp., WOS
- [1.1] CHABYSHEVA, Sophia S. - HILLER, John R. Basis of symmetric polynomials for many-boson light-front wave functions. In PHYSICAL REVIEW E. ISSN 1539-3755, 2014, vol. 90, no. 6, 063310., WOS
- [1.1] CHABYSHEVA, Sophia S. - HILLER, John R. Zero modes in the light-front coupled-cluster method. In ANNALS OF PHYSICS. ISSN 0003-4916, 2014, vol. 340, no. 1, pp. 188., WOS
- [1.1] CHABYSHEVA, S. S. Scalar Theories and Symmetry Breaking in the Light-Front Coupled-Cluster Method. In FEW-BODY SYSTEMS. ISSN 0177-7963, 2014, vol. 55, no. 5-7, pp. 479., WOS
- [1.1] KULSHRESHTHA, Usha. LIGHT-FRONT HAMILTONIAN AND PATH INTEGRAL QUANTIZATION OF VECTOR SCHWINGER MODEL WITH A PHOTON MASS TERM. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2012, vol. 27, no. 27, 1250175., WOS

ADCA348 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. (4.066 - IF2003). (2004 - Current Contents, WOS, SCOPUS). ISSN 0370-2693.

Ohlasy:

- [1.1] ELLIOTT, Blair - CHABYSHEVA, Sophia S. - HILLER, John R.

Application of the light-front coupled-cluster method to $\phi(4)$ theory in two dimensions. In PHYSICAL REVIEW D. ISSN 1550-7998, 2014, vol. 90, no. 5, 056003., WOS

[1.1] CHABYSHEVA, Sophia S. - HILLER, John R. Zero modes in the light-front coupled-cluster method. In ANNALS OF PHYSICS. ISSN 0003-4916, 2014, vol. 340, no. 1, pp. 188., WOS

[1.1] CHABYSHEVA, S. S. Scalar Theories and Symmetry Breaking in the Light-Front Coupled-Cluster Method. In FEW-BODY SYSTEMS. ISSN 0177-7963, 2014, vol. 55, no. 5-7, pp. 479., WOS

[1.1] KULSHRESHTHA, Usha. LIGHT-FRONT HAMILTONIAN AND PATH INTEGRAL QUANTIZATION OF VECTOR SCHWINGER MODEL WITH A PHOTON MASS TERM. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2012, vol. 27, no. 27, 1250157., WOS

ADCA349 CHEANG-WONG, J.C. - JERGEL, M. - JERGEL, Matej - CHROMIK, Štefan - ŠTRBÍK, Vladimír - FALCONY, C. RBS characterization of MgB₂ superconducting films annealed ex situ and in situ. In *Superconductor Science and Technology*. - Bristol : IOP Publishing Ltd., 2003, vol. 16, p. 879-884. (2.138 - IF2002). (2003 - Current Contents, WOS, SCOPUS). ISSN 0953-2048.

Ohlasy:

[1.1] ALTIN, E. - KURT, F. - ALTIN, S. - YAKINCI, M.E. - YAKINCI, Z.D. MgB₂ thin film fabrication with excess Mg by sequential e-beam evaporation and transport properties under magnetic fields. In CURRENT APPLIED PHYSICS. MAR 2014, vol. 14, no. 3, p. 245-250., WOS

[1.1] KONG, X.D. - DAI, Q. - HAN, L. - FENG, Q.R. - GAO, Z.S. - MA, Y.W. - CHU, M.Z. - XUE, H. - LI, J.G. - WANG, F.R. - ZHANG, Y.B. In SUPERCONDUCTOR SCIENCE & TECHNOLOGY. OCT 2011, vol. 24, no. 10., WOS

[1.1] SHIBATA, H. - AKAZAKI, T. - TOKURA, Y. In SUPERCONDUCTOR SCIENCE & TECHNOLOGY. MAR 2013, vol. 26, no. 3., WOS

ADCA350 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. (2.980 - IF2009). (2010 - Current Contents). ISSN 1533-7146.

Ohlasy:

[1.1] ELIAS VENEGAS-ANDRACA, Salvador. Quantum walks: a comprehensive review. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2012, vol. 11, no. 5, pp. 1015., WOS

[1.1] CHAKRABARTI, Amlan - LIN, ChiaChun - JHA, Niraj K. Design of Quantum Circuits for Random Walk Algorithms. In 2012 IEEE COMPUTER SOCIETY ANNUAL SYMPOSIUM ON VLSI (ISVLSI), 2012, pp. 135., WOS

[1.1] LOKE, T. - WANG, J. B. Efficient circuit implementation of quantum walks on non-degree-regular graphs. In PHYSICAL REVIEW A. ISSN 1050-2947, 2012, vol. 86, no. 4, 042338., WOS

[1.1] SHAFAEI, Alireza - SAEEDI, Mehdi - PEDRAM, Massoud. Cofactor Sharing for Reversible Logic Synthesis. In ACM JOURNAL ON EMERGING TECHNOLOGIES IN COMPUTING SYSTEMS. ISSN 1550-4832, 2014, vol. 11, no. 2, 14., WOS

ADCA351 CHITU, Livia - LUBY, Štefan - MAJKOVÁ, Eva - HRKÚT, Pavol - MATAY, Ladislav - KOSTIČ, Ivan - SATKA, A. Assembling of nanoparticle arrays using microelectromagnetic matrix. In *Superlattices and Microstructures*, 2008, vol. 44, iss. 4-5, p. 528-532. (1.340 - IF2007). ISSN 0749-6036.

Ohlasy:

[1.1] GARCIA-CASILLAS, P.E. - MARTINEZ-PÉREZ, C.A. - GONZÁLES, C.R. - CAMACHO-MONTES, S.A. - MARTEL ESTRADA, S.A. - ARMENDÁRIZ, I.O. Development of FeOOH nanoarrays using magnetic cations. In *Central European Journal of Chemistry*. 2013, vol. 11, no. 3, p. 358-363., WOS

[1.1] GOONERATNE, C.P. - GIOUROUDI, I. - KOSEL, J. A planar conducting micro-loop structure for transportation of magnetic beads: An approach towards rapid sensing and quantification of biological entities. In *Sensor Letters*. 2012, vol. 10, no. 3-4, p. 770-774., WOS

[9] GOONERATNE, C.P. - GIOUROUDI, I. - KOSEL, J. Microdevice with half-ring shaped GMR sensors for magnetic bead manipulation and detection. In *Advancement in Sensing Technology, Smart Sensors, Measurement and Instrumentation*. ISBN 978-3-642-32179-5. 2013, vol. 1, pp. 121-138., Google Scholar

ADCA352 CHITU, Livia - CHUSHKIN, Y. - LUBY, Štefan - MAJKOVÁ, Eva - LEO, G. - ŠATKA, A. - GIERSIG, 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. (2006 - Current Contents). ISSN 0169-4332.

Ohlasy:

[1.1] RICHARDI, J. - WEIS, J.J. Low density mesostructures of confined dipolar particles in an external field. In *JOURNAL OF CHEMICAL PHYSICS*, 2011, vol.135, no.12, 124502., WOS

[1.1] ZHANG, L.- JIAO, W.-L. Self-assembly of superstructure. In *JOURNAL OF SYNTHETIC CRYSTALS*, 2012, vol. 41, p. 523-527., WOS

[1.2] BAKHTINOV, A. P. - BOLEDZYUK, V. B. - KOVALYUK, Zakhar D. - KUDRYNSKYI, Zakhar R. - LYTVYN, Oksana S. - SHEVCHENKO, Anatoliy D. Magnetic properties and surface morphology of layered In₂Se₃ crystals intercalated with cobalt. In *Physics of the Solid State*. ISSN 10637834, 2013-06-01, 55, no. 6, pp. 1148-1155., SCOPUS

ADCA353 CHITU, Livia - ŠIFFALOVIČ, 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. (2010 - WOS, SCOPUS, Copernicus International). ISSN 1335-8871.

Ohlasy:

[1.1] LI, Min - ZHANG, Wei - WANG, Chaosheng - WANG, Huaping. In situ formation of 2D conductive porous material with ultra low percolation threshold. In *MATERIALS LETTERS*. ISSN 0167-577X, 2012, vol. 82, pp. 109., WOS

[1.1] OH, Jeong Rok - MOON, Jung Ho - YOON, Sungho - PARK, Chan Ryang - DO, Young Rag. Fabrication of wafer-scale polystyrene photonic crystal multilayers via the layer-by-layer scooping transfer technique. In *JOURNAL OF*

MATERIALS CHEMISTRY, 2011, vol.21, no.37, 14167., WOS

[1.1] PARK, H.K. - YOON, S.W. - CHOI, D.Y. - DO, Y.R. Fabrication of wafer-scale TiO₂ nanobowl arrays via a scooping transfer of polystyrene nanospheres and atomic layer deposition for their application in photonic crystals. In JOURNAL OF MATERIALS CHEMISTRY C. ISSN 2050-7526, 2013, vol. 1, no. 9, p. 1732-1738., WOS

[1.1] SMILGIES, Detlef-M. - HEITSCH, Andrew T. - KORGEL, Brian A. Stacking of Hexagonal Nanocrystal Layers during Langmuir-Blodgett Deposition. In JOURNAL OF PHYSICAL CHEMISTRY B. ISSN 1520-6106, 2012, vol. 116, no. 20, pp. 6017., WOS

ADCA354 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. (1.325 - IF2006). (2007 - Current Contents, WOS, SCOPUS). ISSN 0928-4931.

Ohlasy:

[1.1] ALAGIRI, M. - MUTHAMIZHCHELVAN, C. - HAMID, Sharifah Bee Abdul. Synthesis of superparamagnetic cobalt nanoparticles through solvothermal process. In JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS. ISSN 0957-4522, 2013, vol. 24, no. 11, pp. 4157., WOS

[1.1] BELLIDO, Elena - DOMINGO, Neus - OJEA-JIMENEZ, Isaac - RUIZ-MOLINA, Daniel. Structuration and Integration of Magnetic Nanoparticles on Surfaces and Devices. In SMALL. ISSN 1613-6810, 2012, vol. 8, no. 10, pp. 1465., WOS

[1.1] DERAZ, N. M. - FOU DA, Moustafa M. G. Fabrication and Magnetic Properties of Cobalt-Copper Nano-Composite. In INTERNATIONAL JOURNAL OF ELECTROCHEMICAL SCIENCE. ISSN 1452-3981, 2013, vol. 8, no. 2, pp. 2682., WOS

[1.1] CHEN, Lei - ZHANG, Lin - QIU, Tai - CAO, Wei. Chemiluminescent Detection of DNA Hybridization Based on Signal DNA Probe Modified with Gold and Cobalt Nanoparticles. In INTERNATIONAL JOURNAL OF ELECTROCHEMICAL SCIENCE, 2011, vol.6, no.11, 5325., WOS, SCOPUS

[1.1] MENG, Haining - ZHAO, Fangxia - ZHANG, Zhenzhong. Preparation of cobalt nanoparticles by direct current arc plasma evaporation method. In INTERNATIONAL JOURNAL OF REFRACTORY METALS & HARD MATERIALS. ISSN 0263-4368, 2012, vol. 31, no., pp. 224., WOS

[1.1] MENG, Haining - ZHAO, Fangxia - ZHANG, Zhenzhong - QIU, Tai. Dispersive action of octane for cobalt nano-particles. In INTERNATIONAL JOURNAL OF REFRACTORY METALS & HARD MATERIALS. ISSN 0263-4368, 2013, vol. 36, no., pp. 254., WOS

[1.1] WON, H. I. - NERSISYAN, H. H. - WON, C. W. Cobalt powders and porous cobalt particles prepared by co-reduction of hydrazine and sodium phosphate and its formation mechanism. In MATERIALS CHEMISTRY AND PHYSICS. ISSN 0254-0584, 2012, vol. 133, no. 1, pp. 225., WOS

[1.2] ZHANG, L. - JIAO, W.-L. Self-assembly of superstructure Ni_{0.5}Zn_{0.5}Fe₂O₄/PAA composite nanowire induced by alternating magnetic field. In Rengong Jingti Xuebao/Journal of Synthetic Crystals, 2012, 41, 2, pp. 523-527., SCOPUS

ADCA355 CHITU, L. - JERGEL, Matej - MAJKOVÁ, Eva - LUBY, Štefan - CAPEK, Ignác - SATKA, A. - IVAN, Jozef - KOVÁČ, Jozef - TIMKO, Milan. Structure and magnetic properties of CoFe₂O₄ and Fe₃O₄ nanoparticles. In *Materials Science and Engineering C - Biomimetic and Supramolecular Systems*, 2007, vol. 27, no. 5-8, p. 1415-1417. (1.325 - IF2006). (2007 - Current Contents, WOS, SCOPUS). ISSN 0928-4931.

Ohlasy:

[1.1] BARRETO, A.C.H. - MAIA, F.J.N. - SANTIAGO, V.R. - RIBEIRO, V.G.P. - DENARDIN, J.C. - MELE, G. - CARBONE, L. - LOMONACO, D. - MAZZETTO, S.E. - FECHINE, P.B.A. Novel ferrofluids coated with a renewable material obtained from cashew nut shell liquid. In *MICROFLUIDICS AND NANOFUIDICS*, 2012, vol. 12, no. 5, p. 677-686., WOS

[1.1] CHATTOPADHYAY, S. - JANA, S. - GIRI, S. - MAJUMDAR, S. An agglomeration induced glassy magnetic state in a carbon nanotube/NiO nanocomposite system. In *JOURNAL OF PHYSICS-CONDENSED MATTER*. ISSN 0953-8984, OCT 31 2012, vol. 24, no. 43., WOS

[1.1] MASEK, K. - BLUMENTRIT, P. - BERAN, J. - SKALA, T. - PIS, I. - POLASEK, J. - MATOLIN, V. Structural and electronic studies of supported Pt and Au epitaxial clusters on tungsten oxide surface. In *VACUUM*, 2012, vol. 86, no. 6, SI, p. 586-593., WOS

[1.1] PRASANNA, G.D. - JAYANNA, H.S. - LAMANI, A.R. - DASH, S. Polyaniline/CoFe₂O₄ nanocomposites: A novel synthesis, characterization and magnetic properties. In *SYNTHETIC METALS*, 2011, vol. 161, no. 21-22, p. 2306-2311., WOS

[1.1] VLAZAN, P. - STEFANESCU, M. - BARVINSCHI, P. - STOIA, M. Study on the formation of Co_xFe_{3-x}O₄ system using two low temperature synthesis methods. In *MATERIALS RESEARCH BULLETIN*. ISSN 0025-5408, DEC 2012, vol. 47, no. 12, p. 4119-4125., WOS

[1.1] WANG, X.- LI, X.- WANG, Q.- WEI, Q. Preparation and characterization of PVP/Fe₃O₄ composite nanofibers. (2011) *Advanced Materials Research*, 332-334, p. 783-786., WOS

ADCA356 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.

Ohlasy:

[1.1] HAMAD, B. A. Exchange coupling and magnetocrystalline anisotropy of Fe/W superlattices. In *PHYSICAL REVIEW B*, 2011, vol.83, no.24, 245135., WOS

ADCA357 CHUSHKIN, Jurij - CHITU, Livia - HALAHOVETS, Y. - LUBY, Štefan - MAJKOVÁ, Eva - SATKA, E. - LEO, G. - GIERSIG, M. - HILGENDORFF, M. - HOLÝ, V. - KONOVALOV, O. GISAXS studies of self-assembling of colloidal Co nanoparticles. In *Materials Science and Engineering C - Biomimetic and Supramolecular Systems*, 2006, vol. 26, no. 5-7, p. 1136-1140. (2006 - Current Contents, SCOPUS). ISSN 0928-4931.

Ohlasy:

[1.1] BENSEBAA, Farid. Nanoparticle Fundamentals. In NANOPARTICLE TECHNOLOGIES: FROM LAB TO MARKET. ISSN 1573-4285, 2013, vol. 19, pp. 1-84., WOS

[1.1] CHENG WEI-DONG - MO GUANG - XING XUE-QING - WANG DE-HONG - GONG YU - CAI QUAN - CHEN ZHONG-JUN - WU ZHONG-HUA. GISAXS and SAXS studies on the spatial structures of Co nanowire arrays. In CHINESE PHYSICS C, 2011, vol.35, no.9, p. 875-879., WOS

[1.1] MUELLER-BUSCHBAUM, Peter - KOERSTGENS, Volker - BHUSHAN, B. Scanning Probe Microscopy and Grazing-Incidence Small-Angle Scattering as Complementary Tools for the Investigation of Polymer Films and Surfaces. In SCANNING PROBE MICROSCOPY IN NANOSCIENCE AND NANOTECHNOLOGY, VOL 2, 2011, p. 101-134., WOS

[1.1] PERLICH, Jan - MEMESA, Mine - DIETHERT, Alexander - METWALLI, Ezzeldin - WANG, Weinan - ROTH, Stephan V. - GUTMANN, Jochen S. - MUELLER-BUSCHBAUM, Peter. Layer-by-layer fabrication of an anatase titania multilayer with gradual sponge-like morphology. In COLLOID AND POLYMER SCIENCE. ISSN 0303-402X, 2012, vol. 290, no. 2, pp. 119., WOS

ADCA358 CHUSHKIN, Y. - ULMEANU, M. - LUBY, Štefan - MAJKOVÁ, Eva - KOSTIČ, Ivan - KLANG, P. - HOLY, V. - BOCHNÍČEK, Z. - GIERSIG, Michael - HILGENDORFF, M. - METZGER, T.H. Structural study of self-assembled Co nanopatrics. In *Journal of Applied Physics*, 2003, vol. 94, no. 12, p. 7743-7748. (2.281 - IF2002). (2003 - Current Contents, WOS, SCOPUS). ISSN 0021-8979.

Ohlasy:

[1.1] KAWAI, M. - TAKANO, K. - NAKAJIMA, A. - ISOBE, T. - MATSUSHITA, S. Self-Assembled Monolayers Using Large-Size Polystyrene Particles. In MOLECULAR CRYSTALS AND LIQUID CRYSTALS. ISSN: 1542-1406, 2011, vol. 539, Special Issue, p. 33-39., WOS

[1.1] LEITE, E.R. - RIBEIRO, C. Oriented attachment and mesocrystals. In Leite, E.R., Ribeiro, C.: CRYSTALLIZATION AND GROWTH OF COLLOIDAL NANOCRYSTALS. ISBN: 978-1-4614-1307-3, ISSN: 2192-1091, Springer, New York 2012, p. 45-68., WOS

[1.1] ZHAO, L.Y. - LIAO, K. - PYNENBURG, M. - WONG, L. - HEINIG, N. - THOMAS, J.P. - LEUNG, K.T. Electro-oxidation of Ascorbic Acid by Cobalt Core-Shell Nanoparticles on a H-Terminated Si(100) and by Nanostructured Cobalt-Coated Si Nanowire Electrodes. In ACS APPLIED MATERIALS & INTERFACES. ISSN: 1944-8244, APR 10 2013, vol. 5, no. 7, p. 2410-2416., WOS

ADCA359 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. (1.302 - IF2010). (2011 - Current Contents). ISSN 1478-6435.

Ohlasy:

[1.1] DOTERA, Tomonari. Quasicrystals in Soft Matter. In ISRAEL JOURNAL OF CHEMISTRY, 2011, vol.51, no.11-12, 1197-1205., WOS

[1.1] DOTERA, Tomonari. Toward the discovery of new soft quasicrystals:

From a numerical study viewpoint. In JOURNAL OF POLYMER SCIENCE PART B-POLYMER PHYSICS. ISSN 0887-6266, 2012, vol. 50, no. 3, pp. 155., WOS

ADCA360 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, 104001-4. (2.572 - IF2009). (2010 - Current Contents). ISSN 0031-9015.

Ohlasy:

[1.1] ANANIKIAN, N. S. - ANANIKYAN, L. N. - CHAKHMAKHCHYAN, L. A. Cyclic period-3 window in antiferromagnetic potts and Ising models on recursive lattices. In JETP LETTERS, 2011, vol.94, no.1, 39-43., WOS

[1.1] ANANIKIAN, N. - ARTUSO, R. - CHAKHMAKHCHYAN, L. Superstable cycles for antiferromagnetic Q-state Potts and three-site interaction Ising models on recursive lattices. In COMMUNICATIONS IN NONLINEAR SCIENCE AND NUMERICAL SIMULATION. ISSN 1007-5704, 2014, vol. 19, no. 10, pp. 3671-3678., WOS

[1.1] SHIBATA, Naokazu - HOTTA, Chisa. Boundary effects in the density-matrix renormalization group calculation. In PHYSICAL REVIEW B, 2011, vol.84, no.11, 115116., WOS

ADCA361 ILLEKOVÁ, Emília - CUNAT, C. An extended review of structural relaxation models with the mutual correlation of their parameters. In *Journal of Non-Crystalline Solids*, 1994, vol. 172, p. 597-600. (0.970 - IF1993). (1994 - Current Contents). ISSN 0022-3093.

Ohlasy:

[1.1] KOZMIDIS-PETROVIC, Ana - SESTAK, Jaroslav. Forty years of the Hruby glass-forming coefficient via DTA when comparing other criteria in relation to the glass stability and vitrification ability. In JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY. ISSN 1388-6150, 2012, vol. 110, no. 2, pp. 997., WOS

ADCA362 ILLEKOVÁ, Emília. Comments on "Kinetics of non-isothermal crystallization and glass transition phenomena in Ga₁₀Se₈₇Pb₃ and Ga₁₀Se₈₄Pb₆ chalcogenide glasses by DSC" by Al-Agel et al. In *Journal of Non-Crystalline Solids*, 2012, vol. 358, p. 2931-2934. (1.537 - IF2011). (2012 - Current Contents). ISSN 0022-3093.

Ohlasy:

[1.1] DOHARE, C. - MEHTA, N. Iso-conversional approach for study of glass transition and crystallization kinetics of ternary glassy Se_{98-x}Ag₂In_x (x=0, 2, 4, 6) system. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2014, vol. 587, pp. 565-572., WOS

ADCA363 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. (0.620 - IF1991). (1992 - Current Contents). ISSN 0040-6031.

Ohlasy:

[1.1] KOZMIDIS-PETROVIC, Ana - SESTAK, Jaroslav. Forty years of the Hruby glass-forming coefficient via DTA when comparing other criteria in

relation to the glass stability and vitrification ability. In JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY. ISSN 1388-6150, 2012, vol. 110, no. 2, pp. 997-1004., WOS

ADCA364 ILLEKOVÁ, Emília - CLAVAGUERAMORA, M.T. - BARO, M.D. - SURINACH, S. Differential scanning calorimetry study of structural relaxation of GE-doped SE85TE15 glasses. In *Materials Science and Engineering C - Biomimetic and Supramolecular Systems*, 1994, vol. 22, no. 2-3, p. 181-190. ISSN 0928-4931.

Ohlasy:

[1.1] KOZMIDIS-PETROVIC, Ana - SESTAK, Jaroslav. Forty years of the Hruby glass-forming coefficient via DTA when comparing other criteria in relation to the glass stability and vitrification ability. In JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY. ISSN 1388-6150, 2012, vol. 110, no. 2, pp. 997., WOS

ADCA365 ILLEKOVÁ, Emília - DUHAJ, Pavol - JERGEL, Matej. Direct control of medium range order in a Ni modified Finemet-type alloy. In *Journal of Non-Crystalline Solids*, 2001, vol. 287, p. 167-170. (1.269 - IF2000). (2001 - Current Contents, SCOPUS). ISSN 0022-3093.

Ohlasy:

[1.1] SESTAK, J. - HOLBA, P. - ZIVKOVIC, Z. DOUBTS ON KISSINGER'S METHOD OF KINETIC EVALUATION BASED ON SEVERAL CONCEPTUAL MODELS SHOWING THE DIFFERENCE BETWEEN THE MAXIMUM OF REACTION RATE AND THE EXTREME OF A DTA PEAK. In JOURNAL OF MINING AND METALLURGY SECTION B-METALLURGY. ISSN 1450-5339, 2014, vol. 50, no. 1, pp. 77., WOS

[1.1] SESTAK, J. - KOZMIDIS-PETROVIC, A. - ZIVKOVIC, Z. CRYSTALLIZATION KINETICS ACCOUNTABILITY AND THE CORRESPONDINGLY DEVELOPED GLASS-FORMING CRITERIA A PERSONAL RECOLLECTION AT THE FORTY YEARS ANNIVERSARIES. In JOURNAL OF MINING AND METALLURGY SECTION B-METALLURGY, 2011, vol.47, no.2, 229-239., WOS

ADCA366 ILLEKOVÁ, Emília. FINEMET-type nanocrystallization kinetics. In *Thermochimica Acta*, 2002, vol. 387, no. 1, p. 47-56. ISSN 0040-6031.

Ohlasy:

[1.1] BEDNARCIK, Jozef - MICHALIK, Stefan - KOLESAR, Vladimir - RUETT, Uta - FRANZ, Hermann. In situ XRD studies of nanocrystallization of Fe-based metallic glass: a comparative study by reciprocal and direct space methods. In PHYSICAL CHEMISTRY CHEMICAL PHYSICS. ISSN 1463-9076, 2013, vol. 15, no. 22, pp. 8470., WOS

[1.1] BLAZQUEZ, J. S. - CONDE, C. F. - CONDE, A. Analysis of nanocrystallization kinetics and crystal size distribution under limited growth approach. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2012, vol. 536, suppl.1, pp. S550., WOS

[1.1] BUTVINOVA, B. - BUTVIN, P. - MATKO, I. - KADLECIKOVA, M. - KUZMINSKI, M. - SVEC, P. Surface mediated impact of thermal treatment ambience on magnetic properties of Fe-Nb-Cu-B-Si nanocrystalline ribbons. In APPLIED SURFACE SCIENCE. ISSN 0169-4332,

2014, vol. 301, pp. 119., WOS

[1.1] KOLANO-BURIAN, Aleksandra - WŁODARCZYK, Patryk - HAWELEK, Lukasz - KOLANO, Roman - POLAK, Marcin - ZACKIEWICZ, Przemysław - TEMLEITNER, Laszlo. Impact of cobalt content on the crystallization pattern in the Finemet-type ribbons. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2014, vol. 615, S203., WOS

[1.1] MUHAMMAD, Deen - KHAN, F. A. - FARABI, H. M. - ALAM, M. Jubaer. Electrical and Magnetic Transport Properties of Nanocrystalline Fe_{73.5}Si_{13.5}B₉Cu₁Nb₃ Alloy. In JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM. ISSN 1557-1939, 2014, vol. 27, no. 6, pp. 1525., WOS

[1.1] WILLARD, Matthew A. - DANIIL, Maria - BUSCHOW, KHJ. NANOCRYSTALLINE SOFT MAGNETIC ALLOYS TWO DECADES OF PROGRESS. In HANDBOOK OF MAGNETIC MATERIALS, VOL 21. ISSN 1567-2719, 2013, vol. 21, pp. 173., WOS

[1.1] ZHOU, Xiao - ZHOU, Haitao - ZHAO, Zhongkai - LIU, Ruirui - ZHOU, Yong. A study of non-isothermal primary crystallization kinetics and soft magnetic property of Co₆₅Fe₄Ni₂Si₁₅B₁₄ amorphous alloy. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2012, vol. 539, pp. 210-214., WOS

[1.1] ZHUANG YANXIN - XING PENGFEI - DUAN TONGFEI - SHI HONGYU - HE JICHENG. Kinetic study on the non-isothermal crystallization of Gd₅₃Al₂₄Co₂₀Zr₃ bulk metallic glass. In JOURNAL OF RARE EARTHS, 2011, vol.29, no.8, 793., WOS

[1.1] ZHUANG, Y. X. - DUAN, T. F. - SHI, H. Y. Calorimetric study of non-isothermal crystallization kinetics of Zr₆₀Cu₂₀Al₁₀Ni₁₀ bulk metallic glass. In JOURNAL OF ALLOYS AND COMPOUNDS, 2011, vol.509, no.37, 9019., WOS

ADCA367 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. (1.510 - IF2008). (2009 - Current Contents, WOS, SCOPUS). ISSN 0925-8388.

Ohlasy:

[1.1] LAY, M. D. H. - HILL, A. J. - SAKSIDA, P. G. - GIBSON, M. A. - BASTOW, T. J. Al-27 NMR measurement of fcc Al configurations in as-quenched Al₈₅Ni₁₁Y₄ metallic glass and crystallization kinetics of Al nanocrystals. In ACTA MATERIALIA. ISSN 1359-6454, 2012, vol. 60, no. 1, pp. 79., WOS

[1.1] MANSOURI, M. - SIMCHI, A. - VARAHRAM, N. - PARK, E. S. Development of fcc-Al nanoparticles during crystallization of amorphous Al-Ni alloys containing mischmetal: Microstructure and hardness evaluation. In MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING. ISSN 0921-5093, 2014, vol. 604, pp. 92-97., WOS

ADCA368 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] HOLBA, Pavel - SESTAK, Jaroslav. CZECHOSLOVAK FOOTPRINTS IN THE DEVELOPMENT OF METHODS OF THERMOMETRY, CALORIMETRY AND THERMAL ANALYSIS. In CERAMICS-SILIKATY. ISSN 0862-5468, 2012, vol. 56, no. 2, pp. 159., WOS

ADCA369 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.

Ohlasy:

[1.1] FALLAH, A. - NAKAYAMA, Y. Effect of gas phase oxidation on the structure and intertube adhesion force of a brush-like assembly of carbon nanotubes. In CARBON. ISSN 0008-6223, APR 2012, vol. 50, no. 5, p. 1879-1887., WOS

[1.1] GROMOV, A.V. - GRAY, N. - SZILAGYI, P.A. - CAMPBELL, E.E.B. Direct grafting of carbon nanotubes with ethylenediamine. In JOURNAL OF MATERIALS CHEMISTRY. ISSN 0959-9428, 2012, vol. 22, no. 39, p. 21242-21248., WOS

[1.1] CHO, Jung Sang - RHEE, Sang-Hoon. Formation mechanism of nano-sized hydroxyapatite powders through spray pyrolysis of a calcium phosphate solution containing polyethylene glycol. In JOURNAL OF THE EUROPEAN CERAMIC SOCIETY. ISSN 0955-2219, 2013, vol. 33, no. 2, pp. 233., WOS

[1.1] KAMALI, A.R. - DIVITINI, G. - SCHWANDT, C. - FRAY, D.J. Correlation between microstructure and thermokinetic characteristics of electrolytic carbon nanomaterials. In CORROSION SCIENCE. ISSN 0010-938X, NOV 2012, vol. 64, p. 90-97., WOS

[1.1] KIM, T. - KANG, T.J. - LI, K. - JANG, E.Y. - LEE, J.S. - SEO, D.K. - IM, H. - KIM, Y.H. Suspended SWNT electrode with nanosize gaps. In SENSORS AND ACTUATORS B-CHEMICAL. ISSN 0925-4005, OCT 2012, vol. 173, p. 517-522., WOS

[1.1] LAMBERTI, Francesco - FERRARO, Davide - GIOMO, Monica - ELVASSORE, Nicola. Enhancement of heterogeneous electron transfer dynamics tuning single-walled carbon nanotube forest height and density. In ELECTROCHIMICA ACTA. ISSN 0013-4686, 2013, vol. 97, pp. 304-312., WOS

[1.1] LI, Yawei - WANG, Qinghu - FAN, Haibing - SANG, Shaobai - LI, Yuanbing - ZHAO, Lei. Synthesis of silicon carbide whiskers using reactive graphite as template. In CERAMICS INTERNATIONAL. ISSN 0272-8842, 2014, vol. 40, no. 1, pp. 1481-1488., WOS

[1.1] LORENCON, Eudes - LACERDA, Rodrigo G. - LADEIRA, Luiz O. - RESENDE, Rodrigo R. - FERLAUTO, Andre S. - SCHUCHARDT, Ulf - LAGO, Rochel M. Thermal behavior of carbon nanotubes decorated with gold nanoparticles. In JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, 2011, vol.105, no.3, 953., WOS

[1.1] LUO, Ming - LI, Yawei - JIN, Shengli - SANG, Shaobai - ZHAO, Lei - WANG, Qinghu - LI, Yuanbing. Microstructure and mechanical properties of multi-walled carbon nanotubes containing Al₂O₃-C refractories with addition of polycarbosilane. In CERAMICS INTERNATIONAL. ISSN 0272-8842, 2013, vol. 39, no. 5, pp. 4831., WOS

- [1.1] LUO, M. - LI, Y.W. - JIN, S.L. - SANG, S.B. - ZHAO, L. Microstructural Evolution and Oxidation Resistance of Multi-walled Carbon Nanotubes in the Presence of Silicon Powder at High Temperatures. In JOURNAL OF MATERIALS SCIENCE & TECHNOLOGY. ISSN 1005-0302, JUL 2012, vol. 28, no. 7, p. 599-605., WOS
- [1.1] MARTIN, Olga - GUTIERREZ, Humberto R. - MAROTO-VALIENTE, Angel - TERRONES, Mauricio - BLANCO, Tamara - BASELGA, Juan. An efficient method for the carboxylation of few-wall carbon nanotubes with little damage to their sidewalls. In MATERIALS CHEMISTRY AND PHYSICS. ISSN 0254-0584, 2013, vol. 140, no. 2-3, pp. 499., WOS
- [1.1] MA, Jie - YU, Fei - YUAN, Zhiwen - CHEN, Junhong. Diameter-dependent thermal-oxidative stability of single-walled carbon nanotubes synthesized by a floating catalytic chemical vapor deposition method. In APPLIED SURFACE SCIENCE, 2011, vol.257, no.24, 10471., WOS
- [1.1] OSSWALD, Sebastian - ETZOLD, Bastian J. M. - GOGOTSI, Y - PRESSER. Oxidation and Purification of Carbon Nanostructures. In CARBON NANOMATERIALS, 2ND EDITION, 2014, pp. 355-394., WOS
- [1.1] RAJ, Abhijeet - YANG, Seung Yeon - CHA, Dongkyu - TAYOUO, Russell - CHUNG, Suk Ho. Structural effects on the oxidation of soot particles by O₂: Experimental and theoretical study. In COMBUSTION AND FLAME. ISSN 0010-2180, 2013, vol. 160, no. 9, pp. 1812., WOS
- [1.1] RATKOVIC, Sanja - PEICA, Niculina - THOMSEN, Christian - BUKUR, Dragomir B. - BOSKOVIC, Goran. Thermal stability evolution of carbon nanotubes caused by liquid oxidation. In JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY. ISSN 1388-6150, 2014, vol. 115, no. 2, pp. 1477-1486., WOS
- [1.1] SARKAR, Soumya - DAS, Probal Kr. - BYSAKH, Sandip. Effect of heat treatment on morphology and thermal decomposition kinetics of multiwalled carbon nanotubes. In MATERIALS CHEMISTRY AND PHYSICS, 2011, vol.125, no.1-2, 161., WOS
- [1.1] SARKAR, S. - DAS, P.K. Non-isothermal oxidation kinetics of single- and multi-walled carbon nanotubes up to 1273 K in ambient. In JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY. ISSN 1388-6150, MAR 2012, vol. 107, no. 3, p. 1093-1103., WOS
- [1.1] SCHUSTER, F. - LOMELLO, F. From Safe Nanomanufacturing to Nanosafe-by-Design processes. In JOURNAL OF PHYSICS CONFERENCE SERIES, 2013, vol. 429, 012054., WOS
- [1.1] SOBIESIAK, M. - GAWDZIK, B. - PUZIY, A. M. - PODDUBNAYA, O. I. Thermal properties of porous copolymers of BM-DVB and their carbonization products. In NEW CARBON MATERIALS, 2011, vol.26, no.2, 137., WOS
- [1.2] MARTIROSYAN, K.S.- WANG, L.- LUSS, D. Tuning the gas pressure discharge of nanoenergetic materials by boron and carbon nanotubes additives. (2011) Technical Proceedings of the 2011 NSTI Nanotechnology Conference and Expo, NSTI-Nanotech 2011, 1, p. 323-326., Scopus
- [1.2] PRASAD, R.- KUMAR, A.- MISHRA, A. Isothermal kinetics of diesel soot oxidation over La_{0.7}K_{0.3}ZnO_y catalysts. (2014) Bulletin of Chemical Reaction Engineering and Catalysis, 9 (3), p. 192-200. DOI: 10.9767/bcrec.9.3.6773.192-200, Scopus
- [1.2] SOHPAL, V.K. - SINGH, A.- DEY, A. Fuzzy modeling to evaluate

the effect of temperature on batch transesterification of *Jatropha Curcas* for Biodiesel Production. (2011) Bulletin of Chemical Reaction Engineering and Catalysis, 6 (1), p. 31-38., Scopus

ADCA370 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. (1.562 - IF2007). (2008 - Current Contents). ISSN 0040-6031.

Ohlasy:

[1.1] EL-HADAD, Shima - SATO, Hisashi - MIURA-FUJIWARA, Eri - WATANABE, Yoshimi. Fabrication of Al/Al₃Ti Functionally Graded Materials by Reaction Centrifugal Mixed-Powder Method. In JAPANESE JOURNAL OF APPLIED PHYSICS, 2011, vol.50, no.1, 01AJ02., WOS

[1.1] FOADIAN, Farzad - SOLTANIEH, Mansour - ADELI, Mandana - ETMINANBAKHSH, Majid. A Study on the Formation of Intermetallics During the Heat Treatment of Explosively Welded Al-Ti Multilayers. In METALLURGICAL AND MATERIALS TRANSACTIONS A-PHYSICAL METALLURGY AND MATERIALS SCIENCE. ISSN 1073-5623, 2014, vol. 45A, no. 4, pp. 1823., WOS

[1.1] CHOJNACKI, Michal - JOZWIAK, Stanislaw - KARCZEWSKI, Krzysztof - BOJAR, Zbigniew. Modification of Fe and Al elemental powders; sintering with addition of magnesium and magnesium hydride. In INTERMETALLICS, 2011, vol.19, no.10, 1555., WOS

[1.1] PERUSKO, D. - PETROVIC, S. - KOVAC, J. - STOJANOVIC, Z. - PANJAN, M. - OBRADOVIC, M. - MILOSAVLJEVIC, M. Laser-induced formation of intermetallics in multilayered Al/Ti nano-structures. In JOURNAL OF MATERIALS SCIENCE. ISSN 0022-2461, 2012, vol. 47, no. 10, pp. 4488., WOS

[1.1] RAMOS, A. S. - CAVALEIRO, A. J. - VIEIRA, M. T. - MORGIEL, J. - SAFRAN, G. Thermal stability of nanoscale metallic multilayers. In THIN SOLID FILMS. ISSN 0040-6090, 2014, vol. 571, pp. 268., WOS

[1.1] VAUCHER, S. - STIR, M. - ISHIZAKI, K. - CATALA-CIVERA, J.M. - NICULA, R. Reactive synthesis of Ti-Al intermetallics during microwave heating in an E-field maximum. In THERMOCHIMICA ACTA, 2011, vol.522, no.1-2, 151., WOS

[1.1] XIU, Z. Y. - YANG, W. S. - WANG, X. - LIU, Y. M. - CHEN, G. Q. - WU, G. H. High temperature interfacial evolution of Ti₃Al/Al reaction couples. In MATERIALS SCIENCE AND TECHNOLOGY, 2011, vol.27, no.9, 1443., WOS

ADCA371 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. (0.620 - IF1991). (1992 - Current Contents). ISSN 0040-6031.

Ohlasy:

[1.1] SESTAK, J. - HOLBA, P. Heat inertia and temperature gradient in treatment of DTA peaks. In JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, 2013, vol. 113, p. 1633-1643., WOS

- ADCA372 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, p. 583-590. (1.752 - IF2010). (2011 - Current Contents). ISSN 1388-6150.
- Ohlasy:
- [1.1] BASSANI, P. - BASSANI, E. - TUISSI, A. - GIULIANI, P. - ZANOTTI, C. Nonequiatomic NiTi Alloy Produced by Self Propagating High Temperature Synthesis. In *JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE*. ISSN 1059-9495, 2014, vol. 23, no. 7, pp. 2373-2378., WOS
- [1.1] KUMAR, Sanjay - TAXAK, Manju - KRISHNAMURTHY, Nagaiyar. Hydrogen absorption kinetics of V-Al alloy. In *JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY*. ISSN 1388-6150, 2013, vol. 112, no. 1, pp. 5., WOS
- [1.1] KUMAR, Sanjay - TAXAK, Manju - KRISHNAMURTHY, Nagaiyar. Synthesis and hydrogen absorption kinetics of V₄Cr₄Ti alloy. In *JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY*. ISSN 1388-6150, 2013, vol. 112, no. 1, pp. 51., WOS
- [1.1] LAZARO, J. - SOLORZANO, E. - DE SAJA, J. A. - RODRIGUEZ-PEREZ, M. A. Early anisotropic expansion of aluminium foam precursors. In *JOURNAL OF MATERIALS SCIENCE*. ISSN 0022-2461, 2013, vol. 48, no. 14, pp. 5036., WOS
- [1.1] PASCU, Cristina Ileana - GINGU, Oana - ROTARU, P. - VIDA-SIMITI, I. - HARABOR, Ana - LUPU, Nicoleta. Bulk titanium for structural and biomedical applications obtaining by spark plasma sintering (SPS) from titanium hydride powder. In *JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY*. ISSN 1388-6150, 2013, vol. 113, no. 2, pp. 849., WOS
- ADCA373 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. (0.839 - IF1993). ISSN 0265-0916.
- Ohlasy:
- [1.1] KOZMIDIS-PETROVIC, Ana - SESTAK, Jaroslav. Forty years of the Hruby glass-forming coefficient via DTA when comparing other criteria in relation to the glass stability and vitrification ability. In *JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY*. ISSN 1388-6150, 2012, vol. 110, no. 2, pp. 997., WOS
- ADCA374 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, p. 497 - 503. (1.604 - IF2011). ISSN 1388-6150.
- Ohlasy:
- [1.1] WU, M. - JOHANNESSEN, B. - GEIKER, M. Determination of ice content in hardened concrete by low-temperature calorimetry Influence of baseline calculation and heat of fusion of confined water. In *JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY*. ISSN 1388-6150, FEB 2014, vol. 115, no. 2, p. 1335-1351., WOS

ADCA375 ILLEKOVÁ, Emília - MALIZIA, F. - RONCONI, F. The complex DSC analysis of the first crystallization peak of Fe₈₀Si₄B₁₀ metallic glass. In *Thermochimica Acta*, 1996, vol. 283, p. 91-100. ISSN 0040-6031.

Ohlasy:

[1.1] CHENG, S. et al. In *THERMOCHIMICA ACTA*, 2014, vol. 587, pp. 11-17., WOS

[1.1] JANOTOVA, I. et al. In *JOURNAL OF ALLOYS AND COMPOUNDS*, 2014, vol. 615, S198-S202., WOS

[1.1] POCHEC, E. The maps of Fe-Al phases formation. In *THERMOCHIMICA ACTA*, vol. 545. 2012, p. 14-19., WOS

[1.1] SHPAK, A. P. - IL'YIN, O. G. - SLUKHOVSKIY, O. I. - LEPEEVA, Yu. V. - ZELINSKA, G. M. - KABAN, I. G. The Structure of Fe-Si-B-System Alloys in Liquid, Amorphous and Nanocrystalline States. In *METALLOFIZIKA I NOVEISHIE TEKHNologii*. ISSN 1024-1809, 2012, vol. 34, no. 6, pp. 751., WOS

ADCA376 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. (1.750 - IF1996). (1997 - Current Contents). ISSN 0022-2461.

Ohlasy:

[1.1] SESTAK, Jaroslav - QUEIROZ, Carlos A. - MARES, Jiri J. - HOLECEK, Miroslav - SESTAK, J. - MARES, JJ - HUBIK, P. Some Aspects of Vittrification, Amorphisation and Disorder and the Generated Extent of Nano-Crystallinity. In *GLASSY, AMORPHOUS AND NAN-CRYSTALLINE MATERIALS: THERMAL PHYSICS, ANALYSIS, STRUCTURE AND PROPERTIES*, 2011, vol.8, p. 59-75., WOS

[1.1] SESTAK, J. - KOZMIDIS-PETROVIC, A. - ZIVKOVIC, Z. CRYSTALLIZATION KINETICS ACCOUNTABILITY AND THE CORRESPONDINGLY DEVELOPED GLASS-FORMING CRITERIA A PERSONAL RECOLLECTION AT THE FORTY YEARS ANNIVERSARIES. In *JOURNAL OF MINING AND METALLURGY SECTION B-METALLURGY*, 2011, vol.47, no.2, 229-239., WOS

ADCA377 ILLEKOVÁ, Emília. The crystallization kinetics of Fe₈₀Si₄B₁₆ metallic glass. In *Thermochimica Acta*, 1996, vol. 280/281, p. 289-301. ISSN 0040-6031.

Ohlasy:

[1.1] CHATTOPADHYAY, C. - SARKAR, S. - SANGAL, S. - MONDAL, K. Simulated Isothermal Crystallization Kinetics from Non-Isothermal Experimental Data. In *TRANSACTIONS OF THE INDIAN INSTITUTE OF METALS*. ISSN 0972-2815, 2014, vol. 67, no. 6, pp. 945., WOS

[1.1] QIAO, J. C. - PELLETIER, J. M. Crystallization kinetics in Cu₄₆Zr₄₅Al₇Y₂ bulk metallic glass by differential scanning calorimetry (DSC). In *JOURNAL OF NON-CRYSTALLINE SOLIDS*, 2011, vol.357, no.14, 2590., WOS

[1.1] SHPAK, A. P. - IL'YIN, O. G. - SLUKHOVSKIY, O. I. - LEPEEVA, Yu. V. - ZELINSKA, G. M. - KABAN, I. G. The Structure of Fe-Si-B-System Alloys in Liquid, Amorphous and Nanocrystalline States. In *METALLOFIZIKA I NOVEISHIE TEKHNologii*. ISSN 1024-1809, 2012, vol. 34, no. 6, pp. 751., WOS

ADCA378 ILLEKOVÁ, Emília - JERGEL, Matej - DUHAJ, Pavol - INOUE, A. The relation between the bulk and ribbon Zr₅₅Ni₂₅Al₂₀ metallic glasses. In *Materials Science and Engineering A : structural materials*, 1997, vol. 226, p. 388-392. (0.852 - IF1996). (1997 - Current Contents, WOS, SCOPUS). ISSN 0921-5093.

Ohlasy:

[1.1] LIU, C. T. - GREER, A. Lindsay - SCHUH, Christopher A. Crystallization Behavior. In BULK METALLIC GLASSES, 2011, p. 187-264., WOS

ADCA379 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. (1.362 - IF2006). (2007 - Current Contents, SCOPUS). ISSN 0022-3093.

Ohlasy:

[1.1] EL-HADAD SHIMAA. Fabrication of Al/Al₃Ti. In JAPANESE JOURNAL OF APPLIED PHYSICS, 2011, VOL. 50, NO. 1, 01aj02., WOS

[1.1] GAO, H.-Z. Exploring antibiotic resistant mechanism. In JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, vol. 107, 2012, p. 321-324., WOS

[1.1] YU, W.Q. The effect of Nb addition. In OPTOELECTRONICS AND ADVANCED MATERIALS, vol. 6, 2012, p. 145-148., WOS

[1.1] YU, W.Q. Thermal behavior and crystallization. In ACTA PHYSICA POLONICA A, 2011, VOL. 120, P. 1034., WOS

ADCA380 ILLEKOVÁ, Emília - CSOMOROVÁ, Katarína - KUHNAST, F.A. - FIORANI, J-M. Transformation kinetics of the Fe_{73.5}Cu₁Nb₃Si_{13.5}B₉ ribbons to the nanocrystalline state. In *Materials Science and Engineering*, 1996, vol. A205, p. 166-179.

Ohlasy:

[1.1] SHIVAE, H.A. - CASTELLERO, A. - RIZZI, P. - TIBERTO, P. - HOSSEINI, H.R.M. - BARICCO, M. Effects of chemical composition on nanocrystallization kinetics, microstructure and magnetic properties of finemet-type amorphous alloys. In METALS AND MATERIALS INTERNATIONAL. ISSN 1598-9623, JUL 2013, vol. 19, no. 4, p. 643-649., WOS

[1.2] LOUZGUINE-LUZGIN, D.V. Early stage crystallization kinetics in metallic glass-forming alloys. (2014) Journal of Alloys and Compounds, 586, p. 216-219. DOI: 10.1016/j.jallcom.2013.10.022, Scopus

[1.2] XIONG, Z.D.- FU, M.-X.- HUANG, J.Q. Crystallization behavior of Fe₆₃Ni₁Al₅Ga₂P_{9.65}B_{4.6}Si₃C_{6.75}Co₅ amorphous alloy. (2011) Gongneng Cailiao/Journal of Functional Materials, 42 (SUPPL. 2), p. 335-337+345., Scopus

ADCA381 ITKIS, M.G. - BOGACHEV, A.A. - ITKIS, I.M. - KLIMAN, Ján - KNYAZHEVA, G.N. - KONDRATIEV, N.A. - KOZULIN, G.N. - KRUPA, Ľuboš - OGANESEAN, 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.

Ohlasy:

[1.1] HINDE, D. J. - DU RIETZ, R. - SIMENEL, C. - DASGUPTA, M. -

WAKHLE, A. - EVERS, M. - LUONG, D. H. - ALARCON, R - AYALA, E - GRANJA, C - MEDINA, N. Effects of Nuclear Structure in Heavy Element Formation Dynamics. In IX LATIN AMERICAN SYMPOSIUM ON NUCLEAR PHYSICS AND APPLICATIONS. ISSN 0094-243X, 2012, vol. 1423., WOS

[1.1] ITKIS, I. M. - ITKIS, M. G. - KNYAZHEVA, G. N. - KOZULIN, E. M. - NIKSIC, T - MILIN, M - VRETENAR, D - SZILNER, S. Fusion-Fission And Quasifission In The Reactions With Heavy Ions Leading To The Formation Of Hs. In NUCLEAR STRUCTURE AND DYNAMICS '12. ISSN 0094-243X, 2012, vol. 1491, pp. 350., WOS

ADCA382 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.

Ohlasy:

[1.1] GRZADZIEL, L. - KRZYWIECKI, M. - PEISERT, H. - CHASSE, T. - SZUBER, J. Influence of ambient air exposure on surface chemistry and electronic properties of thin copper phthalocyanine sensing layers. In *THIN SOLID FILMS*, 2011, vol.519, no.7, 2187-2192., WOS

[1.1] KIM, Kisoo - HONG, Kihyon - KIM, Sungjun - LEE, Jong-Lam. Doping Mechanism and Electronic Structure of Alkali Metal Doped Tris(8-hydroxyquinoline) Aluminum. In *JOURNAL OF PHYSICAL CHEMISTRY C*. ISSN 1932-7447, 2012, vol. 116, no. 16, pp. 9158-9165., WOS

[1.1] WEIS, Martin - LEE, Kanchuan - TAGUCHI, Dai - MANAKA, Takaaki - IWAMOTO, Mitsumasa. Modified transmission-line method for evaluation of the contact resistance: Effect of channel-length-dependent threshold voltage. In *JAPANESE JOURNAL OF APPLIED PHYSICS*. ISSN 0021-4922, 2014, vol. 53, no. 1, 011601., WOS

ADCA383 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. (2.255 - IF2004). (2005 - Current Contents). ISSN 0021-8979.

Ohlasy:

[1.1] BRENNAN, B. - MILOJEVIC, M. - HINKLE, C. L. - AGUIRRE-TOSTADO, F. S. - HUGHES, G. - WALLACE, R. M. Optimisation of the ammonium sulphide (NH₄)₂S passivation process on In_{0.53}Ga_{0.47}As. In *APPLIED SURFACE SCIENCE*. ISSN 0169-4332, 2011, vol. 257, no. 9, pp. 4082-4090., WOS

[1.1] HE, G.- CHEN, X.- SUN, Z. Interface engineering and chemistry of Hf-based high-k dielectrics on III-V substrates. In *SURFACE SCIENCE REPORT*, 2013, vol. 68, no. 1, pp. 68-107., WOS

[1.1] HINKLE, C. L. - VOGEL, E. M. - YE, P. D. - WALLACE, R. M. Interfacial chemistry of oxides on In_xGa(1-x)As and implications for MOSFET applications. In *CURRENT OPINION IN SOLID STATE & MATERIALS SCIENCE*. ISSN 1359-0286, 2011, vol. 15, no. 5, pp. 188-207., WOS

[1.1] CHAUHAN, Lalit - HUGHES, Greg. Thermal stability studies on atomically clean and sulphur passivated InGaAs surfaces. In *PHYSICA STATUS SOLIDI A-APPLICATIONS AND MATERIALS SCIENCE*. ISSN 1862-6300,

2013, vol. 210, no. 3, pp. 519-522., WOS

[1.1] LIU, C. - ZHANG, Y. M. - ZHANG, Y. M. - LV, H. L. Effect of atomic layer deposition growth temperature on the interfacial characteristics of HfO₂/p-GaAs metal-oxide-semiconductor capacitors. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2014, vol. 116, no. 22, 222207., WOS

[3.1] HAN, J.H.- CHO, M.- DELABIE, A. Front end of the line process. In Atomic Layer Deposition for Semiconductors. Ed. C.S. Hwang. Chapter 7. Springer US, New York 2014, p. 175-208. DOI: 10.1007/978-1-4419-1547-4_6.

ADCA384 IVANČO, Ján - NETZER, F.P. - RAMSEY, M.G. Dissociation of sexithiophene on Al(III) surface. In *Organic Electronics*, 2007, vol. 8, no. 5, p. 545-551. (2007 - Current Contents). ISSN 1566-1199.

Ohlasy:

[1.1] FLEMING, A.J.: Pre-nucleation dynamics of organic molecule. In PHYSICAL CHEMISTRY CHEMICAL PHYSICS, 2011, VOL. 13, NO. 10, P. 4693-4708., WOS

[1.1] KAKUDATE, t. Initial stage of adsorption. In SURFACE SCIENCE, 2011, VOL. 605, NO. 11, P. 1021-1026., WOS

[1.1] SKOMSKI, D.- TAIT, S.L. Interfacial organic layers for chemical stability and crystalline ordering of thiophene and carboxy I films on metal surface. In JOURNAL OF PHYSICAL CHEMISTRY C, 2014, vol. 118, no. 3, pp. 1594-1601., WOS

ADCA385 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. (2006 - Current Contents). ISSN 0040-6090.

Ohlasy:

[1.1] HUZAK, M. - HAJGATO, B. - DELEUZE, M. S. Benchmark theoretical study of the ionization energies, electron affinities and singlet-triplet energy gaps of azulene, phenanthrene, pyrene, chrysene and perylene. In CHEMICAL PHYSICS. ISSN 0301-0104, 2012, vol. 406, pp. 55-64., WOS

[1.1] CHEN, Liu-guo - ZHANG, Chao - ZHANG, Rui - DONG, Zhen-chao. Self-assembly of alpha-6T Molecule on Ag(100) and Related STM Induced Luminescence. In CHINESE JOURNAL OF CHEMICAL PHYSICS. ISSN 1674-0068, 2011, vol. 24, no. 6, pp. 659-664., WOS

ADCA386 IVANČO, Ján - TOADER, T. - FIRSOV, A. - BRZHEZINSKAYA, M. - SPERLLING, M. - BRAUN, W. - ZAHN, D.R.T. Indium on copper phthalocyanine thin film: not a reactive system. In *Physical Review B*, 2010, vol. 81, no. 11, 115325. (3.475 - IF2009). (2010 - Current Contents, WOS, SCOPUS). ISSN 1098-0121.

Ohlasy:

[1.1] QI, B. Photoemission and low energy electron microscopy study. In THIN SOLID FILMS, 2013, vol. 531, p. 61-69., WOS

[1.1] QI, B. et al. Formation and nitridation of InGa composite droplets on Si(111): In-situ study by high resolution X-ray photoelectron spectroscopy. In APPLIED SURFACE SCIENCE, 2014, vol. 303, pp. 297-305., WOS

[1.1] SCHEINERT, S. In JOURNAL OF APPLIED PHYSICS, 2013, vol. 113, no. 17, 174504., WOS

ADCA387 IVANČO, Ján. Intrinsic work function of molecular films. In *Thin Solid Films*, 2012, vol. 520, no. 11, p. 3975-3986. (1.890 - IF2011). (2012 - Current Contents). ISSN 0040-6090.

Ohlasy:

[1.1] FARIAS, Eliana D. - BRUNETTI, Veronica - PAEZ, Julieta I. - STRUMIA, Miriam C. - PASSEGGI, Mario C. G. - FERRON, Julio. Work Function Maps and Surface Topography Characterization of Nitroaromatic-Ended Dendron Films on Graphite. In *MICROSCOPY AND MICROANALYSIS*. ISSN 1431-9276, 2014, vol. 20, no. 1, pp. 61-65., WOS

[1.1] HINDERHOFER, A. - GERLACH, A. - BROCH, K. - HOSOKAI, T. - YONEZAWA, K. - KATO, K. - KERA, S. - UENO, N. - SCHREIBER, F. Geometric and Electronic Structure of Templated C-60 on Diindenoperylene Thin Films. In *JOURNAL OF PHYSICAL CHEMISTRY C*. ISSN 1932-7447, 2013, vol. 117, no. 2, pp. 1053-1058., WOS

[1.1] WAGNER, Thorsten - GYOEROEK, Michael - HUBER, Daniel - ZEPPENFELD, Peter - GLOWACKI, Eric Daniel. Quinacridone on Ag(111): Hydrogen Bonding versus Chirality. In *JOURNAL OF PHYSICAL CHEMISTRY C*. ISSN 1932-7447, 2014, vol. 118, no. 20, pp. 10911-10920., WOS

[1.1] YONEZAWA, Keiichirou - HINDERHOFER, Alexander - HOSOKAI, Takuya - KATO, Kengo - MAKINO, Rintaro - SCHREIBER, Frank - UENO, Nobuo - KERA, Satoshi. Structural Defects Control the Energy Level Alignment at Organic/Organic Interfaces. In *ADVANCED MATERIALS INTERFACES*. ISSN 2196-7350, 2014, vol. 1, no. 5, 1400004., WOS

ADCA388 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, 103712. (2.316 - IF2006). (2007 - Current Contents, SCOPUS). ISSN 0021-8979.

Ohlasy:

[1.1] CATALDO, S. et al. Self-organization and nanostructural control in thin film heterojunctions. In *NANOSCALE*, vol. 7, 2014, p. 3566-3575., WOS

[1.1] HEIMEL, Georg - SALZMANN, Ingo - DUHM, Steffen - KOCH, Norbert. Design of Organic Semiconductors from Molecular Electrostatics. In *CHEMISTRY OF MATERIALS*, 2011, vol.23, no.3, 359-377., WOS

[1.1] CHEN, Wei - QI, Dong-Chen - HUANG, Han - GAO, Xingyu - WEE, Andrew T. S. Organic-Organic Heterojunction Interfaces: Effect of Molecular Orientation. In *ADVANCED FUNCTIONAL MATERIALS*, 2011, vol.21, no.3, 410-424., WOS

[1.1] MALICKI, Michal - HEIMEL, Georg - GUAN, Ze-Lei - HA, Sieu D. - BARLOW, Stephen - KAHN, Antoine - MARDER, Seth R. Energy-Level Alignment in 4'-Substituted Stilbene-4-thiolate Self-Assembled Monolayers on Gold. In *JOURNAL OF PHYSICAL CHEMISTRY C*, 2011, vol.115, no.15, 7487-7495., WOS

[1.1] VARENE, Erwan - MARTIN, Isabel - TEGEDER, Petra. Optically Induced Inter- and Intrafacial Electron Transfer Probed by Two-Photon Photoemission: Electronic States of Sexithiophene on Au(111). In *JOURNAL OF PHYSICAL CHEMISTRY LETTERS*, 2011, vol.2, no.3, 252-256., WOS

[1.1] ZIEHLKE, Hannah - FITZNER, Roland - KOERNER, Christian - GRESSER, Roland - REINOLD, Egon - BAEUERLE, Peter - LEO, Karl -

RIEDE, Moritz K. Side Chain Variations on a Series of Dicyanovinyl-Terthiophenes: A Photoinduced Absorption Study. In *JOURNAL OF PHYSICAL CHEMISTRY A*, 2011, vol.115, no.30, 8437-8446., WOS

[1.2] SAYED, Sayed Y. - FERREIRO, Jerry A. - YAN, Haijun - MCCREERY, Richard L. - MCCREERY, Richard L. - BERGREN, Adam Johan. Charge transport in molecular electronic junctions: Compression of the molecular tunnel barrier in the strong coupling regime. In *Proceedings of the National Academy of Sciences of the United States of America*. ISSN 00278424, 2012-07-17, 109, 29, pp. 11498-11503., SCOPUS

[1.2] ZHONG, Shu - ZHONG, Jian Qiang - MAO, Hong Ying - ZHANG, Jia Lin - LIN, Jia Dan - CHEN, Wei - CHEN, Wei. The role of gap states in the energy level alignment at the organic-organic heterojunction interfaces. In *Physical Chemistry Chemical Physics*. ISSN 14639076, 2012-11-07, 14, 41, pp. 14127-14141., SCOPUS

ADCA389 IVANČO, Ján - WINTER, B. - NETZER, F.P. - RAMSEY, M.G. - GREGORATTI, L. - KISKINA, M. Oxygen as a surfactant for Al contact metallization of organic layers. In *Applied Physics Letters*, 2004, vol. 85, no. 4, 585-587. (4.049 - IF2003). (2004 - Current Contents, WOS, SCOPUS). ISSN 0003-6951.

Ohlasy:

[1.1] KAUNE, Gunar - METWALLI, Ezzeldin - MEIER, Robert - KOERSTGENS, Volker - SCHLAGE, Kai - COUET, Sebastien - ROEHLBERGER, Ralf - ROTH, Stephan V. - MUELLER-BUSCHBAUM, Peter. Growth and Morphology of Sputtered Aluminum Thin Films on P3HT Surfaces. In *ACS APPLIED MATERIALS & INTERFACES*. ISSN 1944-8244, 2011, vol. 3, no. 4, pp. 1055., WOS

ADCA390 IVANČO, Ján - DUBECKÝ, František - DARMO, Juraj - KREMPASKÝ, Marián - BEŠŠE, Igor - SENDERÁK, Rudolf. Semi-insulating GaAs-based Schottky contacts in the role of detectors of ionising radiation: An effect of the interface treatment. In *Nuclear Instruments and Methods in Physics Research A*, 1999, vol. 434, p. 158-163. (0.896 - IF1998). (1999 - Current Contents).

Ohlasy:

[3] Avenel-Le Guerroue, M.L.: PhD Thesis. Grenoble: CEA - LETI - Direction de la Recherche Technologique 2012.

ADCA391 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. (2.171 - IF2003). (2004 - Current Contents). ISSN 0021-8979.

Ohlasy:

[1.1] HEIMEL, Georg - SALZMANN, Ingo - DUHM, Steffen - KOCH, Norbert. Design of Organic Semiconductors from Molecular Electrostatics. In *CHEMISTRY OF MATERIALS*, 2011, vol.23, no.3, 359-377., WOS

[1.1] SIMBRUNNER, C. Epitaxial growth of sexi-thiophene and para-hexaphenyl and its implications for the fabrication of self-assembled lasing nano-fibres. In *SEMICONDUCTOR SCIENCE TECHNOLOGY*, 2013, vol. 28, 053001., WOS

- [1.1] TOYOSHIMA, Hiragaa H. - TANAKA, H. - INOUE, K. - OHNO, S. - MUKAI, K. - YOSHINOBU, J. - TANAKA, M. Electronic structure of alpha-sexithiophene ultrathin films grown on passivated Si(0 0 1) surfaces. In APPLIED SURFACE SCIENCE. ISSN 0169-4332, 2014, vol. 307, pp. 520-524., WOS
- [1.1] TOYOSHIMA, H.- INOUE, K.- HIRAGA, K.- OHNO, S.- TANAKA, M. Determination of molecular orientation of alfa-sexithiophene on passivated Si(001)by means of optical reflectance spectroscopic methods. In SURFACE SCIENCE, 2013, vol. 616, pp. 36-43., WOS
- [1.2] AVERSA, L. - VERUCCHI, R. - TATTI, R. - DI GIROLAMO, F. V. - BARRA, M. - CICCULLO, F. - CASSINESE, A. - IANNOTTA, S. Surface doping in T6/PDI-8CN2 heterostructures investigated by transport and photoemission measurements. In Applied Physics Letters. ISSN 00036951, 2012-12-03, 101, 23, 233504., SCOPUS
- [1.2] SAKURAI, T. - OHASHI, T. - KITAZUME, H. - KUBOTA, M. - SUEMASU, T. - AKIMOTO, K. Structural control of organic solar cells based on nonplanar metallophthalocyanine/C60 heterojunctions using organic buffer layers. In Organic Electronics: physics, materials, applications, 2011, vol.12, no.6, 966-973., SCOPUS

ADCA392 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. ISSN 0039-6028.

Ohlasy:

- [1.1] AHMAD, Shamim. Organic semiconductors for device applications: current trends and future prospects. In JOURNAL OF POLYMER ENGINEERING. ISSN 0334-6447, 2014, vol. 34, no. 4, pp. 279-338., WOS
- [1.1] ALVES-SANTOS, Marcelo - MARION JORGE, Leonardo M. - CALDAS, Marilia J. - VARSANO, Daniele. Electronic Structure of Interfaces between Thiophene and TiO₂ Nanostructures. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2014, vol. 118, no. 25, pp. 13539-13544., WOS
- [1.1] BREUER, Tobias - SALZMANN, Ingo - GOETZEN, Jan - OEHZELT, Martin - MORHERR, Antonia - KOCH, Norbert - WITTE, Gregor. Interrelation between Substrate Roughness and Thin-Film Structure of Functionalized Acenes on Graphite. In CRYSTAL GROWTH & DESIGN, 2011, vol.11, no.11, 4996-5001., WOS
- [1.1] FENG, Wenchun - WAN, Alan S. - GARFUNKEL, Eric. Interfacial Bonding and Morphological Control of Electropolymerized Polythiophene Films on ZnO. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2013, vol. 117, no. 19, pp. 9852-9863., WOS
- [1.1] HECK, C. - MIZOKURO, T. - TANIGAKI, N. Fabrication of Oriented Thin Films Composed of Polyfluorene and Oligothiophene, and Application for Polarized White Light Emitting Devices. In JOURNAL OF PHYSICS: CONF SER, 2013, vol. 417, 012002., WOS
- [1.1] HEIMEL, Georg - SALZMANN, Ingo - DUHM, Steffen - KOCH, Norbert. Design of Organic Semiconductors from Molecular Electrostatics. In CHEMISTRY OF MATERIALS, 2011, vol.23, no.3, 359-377., WOS
- [1.1] CHEN, Wei - QI, Dong-Chen - HUANG, Han - GAO, Xingyu - WEE,

Andrew T. S. Organic-Organic Heterojunction Interfaces: Effect of Molecular Orientation. In ADVANCED FUNCTIONAL MATERIALS, 2011, vol.21, no.3, 410-424., WOS

[1.1] KJELSTRUP-HANSEN, Jakob - SIMBRUNNER, Clemens - RUBAHN, Horst-Gunter. Organic surface-grown nanowires for functional devices. In REPORTS ON PROGRESS IN PHYSICS. ISSN 0034-4885, 2013, vol. 76, no. 12, 126502., WOS

[1.1] LANZILOTTO, Valeria - SANCHEZ-SANCHEZ, Carlos - BAVDEK, Gregor - CVETKO, Dean - LOPEZ, Maria F. - MARTIN-GAGO, Jose A. - FLOREANO, Luca. Planar Growth of Pentacene on the Dielectric TiO₂(110) Surface. In JOURNAL OF PHYSICAL CHEMISTRY C, 2011, vol.115, no.11, 4664-4672., WOS

[1.1] LANZILOTTO, Valeria - LOVAT, Giacomo - OTERO, Gonzalo - SANCHEZ, Laura - FRANCISCA LOPEZ, Maria - MENDEZ, Javier - MARTIN-GAGO, Jose A. - BAVDEK, Gregor - FLOREANO, Luca. Commensurate Growth of Densely Packed PTCDI Islands on the Rutile TiO₂(110) Surface. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2013, vol. 117, no. 24, pp. 12639-12647., WOS

[1.1] MANNEBACH, Ehren M. - SPALENKA, Josef W. - JOHNSON, Phillip S. - CAI, Zhonghou - HIMPSEL, F. J. - EVANS, Paul G. High Hole Mobility and Thickness-Dependent Crystal Structure in alpha,omega-Dihexylsexithiophene Single-Monolayer Field-Effect Transistors. In ADVANCED FUNCTIONAL MATERIALS. ISSN 1616-301X, 2013, vol. 23, no. 5, pp. 554-564., WOS

[1.1] METAXA, A.D. Elucidation of the local character of chemical reactivity through the time-resolved chromatographic analysis. In JOURNAL PHYSICAL CHEMISTRY C, 2011, VOL. 115, NO. 51, P. 25389-25412., WOS

[1.1] RADZIWON, Michal - CAUDURO, Andre Luis Fernandes - MADSEN, Morten - RUBAHN, Horst-Gunter. Crystallites of alpha-Sexithiophene in Bilayer Small Molecule Organic Solar Cells Double Efficiency. In JOURNAL OF NANOMATERIALS. ISSN 1687-4110, 2014, 482372., WOS

[1.1] RIAZIAN, Mehran - RAD, Shima Daliri - AZINABADI, Reza Ramezani. Fabrication of pure and Ag-doped TiO₂ nanorods and study of the lattice strain and the activation energy of the crystalline phases. In JOURNAL OF THE KOREAN PHYSICAL SOCIETY. ISSN 0374-4884, 2013, vol. 62, no. 3, pp. 459-468., WOS

[1.1] RIAZIAN, M. Fabrication and nanostructural characterization of TiO₂ nanorods. In CHEM SOL MATER, 2013, vol. 1, no. 1, pp. 41-51., WOS

[1.1] RIAZIAN, M. Lattice strain alteration and activation energy of phase transformation of TiO₂ nanorods doped with silver and iron oxides. In INDIAN JOURNAL OF PHYSICS. ISSN 0973-1458, 2013, vol. 87, no. 10, pp. 991-1000., WOS

[1.1] RIAZIAN, M. Synthesis of pure and aluminum oxide doped TiO₂ nanorods and study of lattice strain and activation energy of crystalline phases. In INDIAN JOURNAL OF CHEMISTRY SECTION A-INORGANIC BIO-INORGANIC PHYSICAL THEORETICAL & ANALYTICAL CHEMISTRY. ISSN 0376-4710, 2014, vol. 53, no. 11, pp. 1377-1383., WOS

[1.1] SIMBRUNNER, Clemens. Epitaxial growth of sexi-thiophene and para-hexaphenyl and its implications for the fabrication of self-assembled lasing

nano-fibres. In SEMICONDUCTOR SCIENCE AND TECHNOLOGY. ISSN 0268-1242, 2013, vol. 28, no. 5, 053001., WOS

[1.1] WAGNER, Thorsten - FRITZ, Daniel Roman - ZEPPENFELD, Peter. alpha-6T on Ag(110): The formation of the wetting layer. In SYNTHETIC METALS, 2011, vol.161, no.17-18, 2006-2010., WOS

[1.1] WAGNER, Thorsten - FRITZ, Daniel Roman - ZEPPENFELD, Peter. Standing and flat lying alpha-6T molecules probed by imaging photoelectron spectroscopy. In ORGANIC ELECTRONICS, 2011, vol.12, no.3, 442-446., WOS

ADCA393 IVANČO, Ján - ALMEIDA, J. - KOBAYASHI, H. - MARGARITONDO, G. Unpinning of the Au/GaAs interfacial Fermi level by means of ultra thin. In *Journal of Applied Physics*, 2000, vol. 87, no. 2, p. 795-800. (2.275 - IF1999). ISSN 0021-8979.

Ohlasy:

[1.1] DUBECKY, M. - DUBECKY, F. The work functions of Au/Mg decorated Au. In JOURNAL OF CHEMICAL PHYSICS, 2014, vol. 141, no. 9, 094705., WOS

[1.1] TUNG, R.T. The physics and chemistry of the Schottky barrier height. In APPLIED PHYSICS REVIEWS, 2014, vol. 1, no. 1, 011304., WOS

ADCA394 JAHNÁTEK, Michal - KRAJČÍ, Marián - HAFNER, Jürgen. Electronic structure and interatomic bonding in Al10V. In *Journal of Physics: Condensed Matter*, 2003, vol. 15, no. 33, p. 5675-5688. (1.775 - IF2002). (2003 - Current Contents, SCOPUS). ISSN 0953-8984.

Ohlasy:

[1.1] KOZA, Michael Marek - LEITHE-JASPER, Andreas - SISCHKA, Erik - SCHNELLE, Walter - BORRMANN, Horst - MUTKA, Hannu - GRIN, Yuri. Effect of the electropositive elements A = Sc, La, and Ce on the microscopic dynamics of AV(2)Al(20). In PHYSICAL CHEMISTRY CHEMICAL PHYSICS. ISSN 1463-9076, 2014, vol. 16, no. 48, pp. 27119., WOS

ADCA395 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. (3.075 - IF2004). (2005 - Current Contents). ISSN 1098-0121.

Ohlasy:

[1.1] FU, L. In ADVANCED MATERIALS RESEARCH, vol. 476-8, 2012, p. 2523., WOS

[1.1] HARVEY, J.P. In PHYSICAL REVIEW B, vol. 86, 2012, 224202., WOS

[1.1] CHEN, S. In INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol. 37, 2012, no. 3, p. 2676., WOS

[1.1] LI, J. In COMPUTATIONAL MATERIALS SCIENCE, vol. 62, 2012, p. 136., WOS

[1.1] LI, J. In JOURNAL OF ALLOYS AND COMPOUNDS, 2013, vol. 556, p. 214., WOS

[1.1] LI, J. In JOURNAL OF APPLIED PHYSICS, 2013, vol. 113, 023516., WOS

[1.1] LI, X. In PHYSICAL REVIEW B, 2013, vol. 87, 214203., WOS

- [1.1] LUO, J. Dissolution, diffusion and permeation behavior of hydrogen in vanadium. In JOURNAL OF PHYSICS- CONDENSED MATTER, 2011, vol. 23, no. 13, 135501., WOS
- [1.1] NIU, H. In SCIENTIFIC REPORTS, vol. 2, 2012, 718., WOS
- [1.1] PITT, M.P. In JOURNAL OF ALLOYS AND COMPOUNDS, vol. 527, 2012, p. 16., WOS
- [1.1] TANG, P.Y. In SOLID STATE COMMUNICATIONS, vol. 152, 2012, no. 21, p. 1939., WOS
- [1.1] TIAN, T. In SOLID STATE COMMUNICATIONS, 2013, vol. 156, p. 69., WOS
- [1.1] WANG, J. First-principles calculations of binary Al compounds. In CALPHAD-COMPUTER COUPLING OF PHASE DIAGRAMS AND THERMOCHEMISTRY, 2011, Vol. 35, no. 4, p. 562-573., WOS
- [1.1] ZHANG, F.Y. In PHYSICA B, 2013, vol. 408, p. 68., WOS
- [1.2] BOULECHFAR, R. - 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 02179792, 2014-01-01, 29, 2, 1450244., SCOPUS
- [1.2] DUAN, Yong Hua - DUAN, Yong Hua - HUANG, Bo - SUN, Yong - PENG, Ming Jun - ZHOU, Sheng Gang. The phase stability, thermodynamics properties and electronic structures of L12-Type Al₃Sc and Al₃Y under high pressures. In Chinese Physics Letters. ISSN 0256307X, 2014-08-01, 31, 8, 088101., SCOPUS
- [1.2] DUAN, Y. H. - DUAN, Y. H. - SUN, Y. - PENG, M. J. - ZHOU, S. G. Ab-initio investigations on elastic properties in L12 structure Al₃Sc and Al₃Y under high pressure. In Journal of Alloys and Compounds. ISSN 09258388, 2014-01-01, 585, pp. 587-593., SCOPUS
- [1.2] HUA, Juan - HUA, Juan - LIU, Yue Lin - LI, Heng Shuai - LI, Heng Shuai - ZHAO, Ming Wen - LIU, Xiang Dong. Effect of the alloying element titanium on the stability and trapping of hydrogen in pure vanadium: A first-principles study. In International Journal of Modern Physics B. ISSN 02179792, 2014-01-01, 28, 29, 1450207., SCOPUS
- [1.2] KOZA, Michael Marek - LEITHE-JASPER, Andreas - SISCHKA, Erik - SCHNELLE, Walter - BORRMANN, Horst - MUTKA, Hannu - GRIN, Yuri. Effect of the electropositive elements A = Sc, La, and Ce on the microscopic dynamics of AV₂Al₂₀. In Physical Chemistry Chemical Physics. ISSN 14639076, 2014-12-28, 16, 48, pp. 27119-27133., SCOPUS
- [1.2] LI, Jian - LI, Jian - QI, Yuning - ZHANG, Ming - ZHOU, Yong - LI, Xiao. First-principle study of adhesion, wetting and bonding on Al/Al₃V(001) interface. In Surface Science. ISSN 00396028, 2014-01-01, 624, pp. 1-7., SCOPUS
- [1.2] SUN, Jin P. - DAI, Jianhong - SONG, Yan - WANG, You - YANG, Rui. Affinity of the interface between hydroxyapatite (0001) and titanium (0001) surfaces: A first-principles investigation. In ACS Applied Materials and Interfaces. ISSN 19448244, 2014-01-01, 6, 23, pp. 20738-20751., SCOPUS
- [1.2] TANG, Ping Ying - LI, Jian Ying - HUANG, Guo Hua - XIE, Qing Lian. Uniaxial loading response of one dimensional long period structures of Al₃Ti. In Computational Materials Science. ISSN 09270256, 2014-01-01, 91, pp. 153-158., SCOPUS

ADCA396 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. (3.322 - IF2008). (2009 - Current Contents, WOS, SCOPUS). ISSN 1098-0121.

Ohlasy:

[1.1] AGRANAT, M. B. - ASHITKOV, S. I. - KOMAROV, P. S. Metal behavior near theoretical ultimate strength in experiments with femtosecond laser pulses. In *MECHANICS OF SOLIDS*. ISSN 0025-6544, 2014, vol. 49, no. 6, pp. 643., WOS

[1.1] ASHITKOV, S. I. - KOMAROV, P. S. - AGRANAT, M. B. - KANEL, G. I. - FORTOV, V. E. Achievement of ultimate values of the bulk and shear strengths of iron irradiated by femtosecond laser pulses. In *JETP LETTERS*. ISSN 0021-3640, 2013, vol. 98, no. 7, pp. 384., WOS

[1.1] ASHITKOV, S. I. - KOMAPOV, P. S. - AGRANAT, M. B. - KANEL, G. I. - FORTOV, V. E. - BUTTLER, W - FURLANETTO, M - EVANS, W. Measurements of strength of metals in a picosecond time range. In *JOURNAL OF PHYSICS CONFERENCE SERIES*, vol. 500, 2014, 112006., WOS

[1.1] GRIMVALL, G. In *REVIEW OF MODERN PHYSICS*, vol. 84, 2012, p. 945., WOS

[1.1] LANDINEZ BORDA, Edgar Josue - CAI, Wei - DE KONING, Maurice. Ideal Shear Strength of a Quantum Crystal. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2014, vol. 112, no. 15, 155303., WOS

[1.1] LIU YUE-LIN - GUI LI-JIANG - JIN SHUO. Ab initio investigation of the mechanical properties of copper. In *CHINESE PHYSICS B*. ISSN 1674-1056, 2012, vol. 21, no. 9, 096102., WOS

[1.1] LI, X. In *PHYSICAL REVIEW B*, 2013, vol. 87, 214203., WOS

[1.1] NAGASAKO, Naoyuki - ASAHI, Ryoji - HAFNER, Juergen. Ideal tensile and shear strength of a gum metal approximant: Ab initio density functional calculations. In *PHYSICAL REVIEW B*. ISSN 1098-0121, 2012, vol. 85, no. 2, 024122., WOS

[1.1] OZISIK, Haci - DELIGOZ, Engin - COLAKOGLU, Kemal - OZISIK, Havva Bogaz. Density functional study of the mechanical and phonon properties of Al₁₂X (X = Mo, Tc, Ru, W, Re, and Os) compounds. In *INTERMETALLICS*. ISSN 0966-9795, 2014, vol. 50, pp. 1-7., WOS

[1.1] PANG, Xueyong - AHMED, Naveed - JANISCH, Rebecca - HARTMAIER, Alexander. The mechanical shear behavior of Al single crystals and grain boundaries. In *JOURNAL OF APPLIED PHYSICS*. ISSN 0021-8979, 2012, vol. 112, no. 2, 023503., WOS

[1.1] SHANG, ShunLi - WANG, Yi - DU, Yong - TSCHOPP, Mart A. - LIU, Zi-Kui. Integrating computational modeling and first-principles calculations to predict stacking fault energy of dilute multicomponent Ni-base alloys. In *COMPUTATIONAL MATERIALS SCIENCE*. ISSN 0927-0256, 2014, vol. 91, pp. 50., WOS

[1.1] SHANG, S. L. - WANG, W. Y. - WANG, Y. - DU, Y. - ZHANG, J. X. - PATEL, A. D. - LIU, Z. K. Temperature-dependent ideal strength and stacking fault energy of fcc Ni: a first-principles study of shear deformation. In *JOURNAL OF PHYSICS-CONDENSED MATTER*. ISSN 0953-8984, 2012, vol. 24, no. 15, 155402., WOS

[1.1] SHANG, S. L. - WANG, W. Y. - ZHOU, B. C. - WANG, Y. -

DARLING, K. A. - KECSKES, L. J. - MATHAUDHU, S. N. - LIU, Z. K. Generalized stacking fault energy, ideal strength and twinnability of dilute Mg-based alloys: A first-principles study of shear deformation. In ACTA MATERIALIA. ISSN 1359-6454, 2014, vol. 67, pp. 168., WOS

[1.1] SHANG, S. L. - ZACHERL, C. L. - FANG, H. Z. - WANG, Y. - DU, Y. - LIU, Z. K. Effects of alloying element and temperature on the stacking fault energies of dilute Ni-base superalloys. In JOURNAL OF PHYSICS-CONDENSED MATTER. ISSN 0953-8984, 2012, vol. 24, no. 50, 505403., WOS

[1.1] SCHOPF, Carola - SCHAMEL, Matthias - STRUNK, Horst P. - RICHTER, Gunther. Cyclic Cantilever Bending of Copper Nanowhiskers. In ADVANCED ENGINEERING MATERIALS. ISSN 1438-1656, 2012, vol. 14, no. 11, pp. 975., WOS

[1.1] UMENO, Y. Ideal shear strength compression. In JOURNAL OF PHYSICS-CONDENSED MATTER, 2011, vol. 23, 385401., WOS

[1.1] WANG, Aijun - SHANG, Shun-Li - HE, Mingzhi - DU, Yong - CHEN, Li - ZHANG, Rui - CHEN, Deliang - FAN, Bingbing - MENG, Feiyan - LIU, Zi-Kui. Temperature-dependent elastic stiffness constants of fcc-based metal nitrides from first-principles calculations. In JOURNAL OF MATERIALS SCIENCE. ISSN 0022-2461, 2014, vol. 49, no. 1, pp. 424., WOS

[1.1] WANG, Jie - QI, Jian-Ying - ZHOU, Xian. Ideal strength and deformation-induced phase transformation of hcp metals Re, Ru, and Os: A first-principles study. In MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING. ISSN 0921-5093, 2012, vol. 534, no., pp. 353., WOS

[1.1] YADAV, S. K. - RAMPRASAD, R. - MISRA, A. - LIU, X.Y. First-principles study of shear behavior of Al, TiN, and coherent Al/TiN interfaces. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2012, vol. 111, no. 8, 083505., WOS

[1.1] YADAV, S. K. - RAMPRASAD, R. - WANG, J. - MISRA, A. - LIU, X-Y. First-principles study of Cu/TiN and Al/TiN interfaces: weak versus strong interfaces. In MODELLING AND SIMULATION IN MATERIALS SCIENCE AND ENGINEERING. ISSN 0965-0393, 2014, vol. 22, no. 3, 035020., WOS

[1.1] YADAV, S. K. - WANG, J. - RAMPRASAD, R. - MISRA, A. - LIU, X.Y. Structural rotation of Al under uniaxial compression: A first-principles prediction. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2012, vol. 112, no. 4, 043513., WOS

[1.1] ZHOU, Wei - ZHANG, Yi - SUN, Hong - CHEN, Changfeng. Ideal strength and structural instability of aluminum at finite temperatures. In PHYSICAL REVIEW B. ISSN 1098-0121, 2012, vol. 86, no. 5, 054118., WOS

[1.2] DATTA, A. - SRIRANGARAJAN, A. - WAGHMARE, U.V. - RAMAMURTY, U. - TO, A.C. Surface effects on stacking fault and twin formation in fcc nanofilms: A first-principles study. In Computational Materials Science, 2011, vol.50, no.12, 3342-3345., SCOPUS

[1.2] FRIÁK, M. - HICKEL, T. - GRABOWSKI, B. - LYMPERAKIS, L. - UDYANSKY, A. - DICK, A. - MA, D. - ROTERS, F. - ZHU, L.-F. - SCHLIETER, A. - KÜHN, U. - EBRAHIMI, Z. - LEBENSOHN, R.A. - HOLEC, D. - ECKERT, J. - EMMERICH, H. - RAABE, D. - NEUGEBAUER, J. Methodological challenges in combining quantum-mechanical and continuum approaches for materials science applications. In European Physical Journal Plus,

2011, vol.126, no.10, 1-22., SCOPUS

[1.2] FRIÁK, M. - HICKEL, T. - KÖRMANN, F. - UDYANSKY, A. - DICK, A. - VON PEZOLD, J. - MA, D. - KIM, O. - COUNTS, W.A. - ŠOB, M. - GEBHARDT, T. - MUSIC, D. - SCHNEIDER, J. - RAABE, D. - NEUGEBAUER, J. Determining the elasticity of materials employing quantum-mechanical approaches from the electronic ground state to the limits of materials stability. In *Steel Research International*, 2011, vol.82, no.2, p. 86-100., SCOPUS

[1.2] ISKANDAROV, A.M. - DMITRIEV, S.V. - UMENO, Y. Temperature effect on ideal shear strength of Al and Cu. In *Physical Review B Condensed Matter and Materials Physics*, 2011, vol.84, no.22, 224118., SCOPUS

[1.2] JIN, Z.H. - DUNHAM, S.T. - GLEITER, H. - HAHN, H. - GUMBSCH, P. A universal scaling of planar fault energy barriers in face-centered cubic metals. In *Scripta Materialia*, 2011, vol.64, no.7, 605-608., SCOPUS

ADCA397 JAHNÁTEK, M. - KRAJČÍ, Marián - HAFNER, J. Interatomic bonds and the tensile anisotropy of trialuminides in the elastic limit: a density functional study for Al-3 (Sc,Ti,V,Cr). In *Philosophical Magazine*, 2007, vol. 87, no. 11, p. 1769-1794. ISSN 1478-6435.

Ohlasy:

[1.2] DUAN, Yong Hua - DUAN, Yong Hua - HUANG, Bo - SUN, Yong - PENG, Ming Jun - ZHOU, Sheng Gang. The phase stability, thermodynamics properties and electronic structures of L12-Type Al₃Sc and Al₃Y under high pressures. In *Chinese Physics Letters*. ISSN 0256307X, 2014-08-01, 31, 8, 088101., SCOPUS

[1.2] DUAN, Y. H. - DUAN, Y. H. - SUN, Y. - PENG, M. J. - ZHOU, S. G. Stability, elastic properties and electronic structures of L1 2-ZrAl₃ and D022-ZrAl₃ up to 40 GPa. In *Journal of Physics and Chemistry of Solids*. ISSN 00223697, 2014-04-01, 75, 4, pp. 535-542., SCOPUS

[1.2] DUAN, Y. H. - DUAN, Y. H. - SUN, Y. - PENG, M. J. - ZHOU, S. G. Ab-initio investigations on elastic properties in L12 structure Al₃Sc and Al₃Y under high pressure. In *Journal of Alloys and Compounds*. ISSN 09258388, 2014-01-01, 585, pp. 587-593., SCOPUS

[1.2] LEVITIN, Valim. Interatomic Bonding in Solids: Fundamentals, Simulation, Applications. In *Interatomic Bonding in Solids: Fundamentals, Simulation, Applications*, 2014-02-17, pp. 1-306., SCOPUS

[1.2] LI, Jian - ZHANG, Ming - LUO, Xian. Theoretical investigations on phase stability, elastic constants and electronic structures of D022- and L12-Al₃Ti under high pressure. In *Journal of Alloys and Compounds*. ISSN 09258388, 2013-04-15, 556, pp. 214-220., SCOPUS

[1.2] SCHMIDT, Robert D. - CASE, Eldon Darrel - LEHR, Gloria J. - MORELLI, Donald T. Room temperature mechanical properties of polycrystalline YbAl₃, a promising low temperature thermoelectric material. In *Intermetallics*. ISSN 09669795, 2013-01-01, 35, pp. 15-24., SCOPUS

[1.2] TIAN, T. - WANG, Xiufeng - LI, Wen. Ab initio calculations on elastic properties in L12 structure Al₃X and X₃Al-type (X=transition or main group metal) intermetallic compounds. In *Solid State Communications*. ISSN 00381098, 2013-03-01, 156, pp. 69-75., SCOPUS

ADCA398 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. (3.107 - IF2006). (2007 - Current Contents, WOS, SCOPUS). ISSN 1098-0121.

Ohlasy:

[1.1] FRIAK, M. Determining the elasticity of materials. In *STEEL RESEARCH INTERNATIONAL*, 2011, vol. 82, p. 86-100., WOS

[1.1] FRIAK, M. Methodological challenges in combining quantum-mechanical and continuum approaches. In *EUROPEAN PHYSICAL JOURNAL PLUS*, 2011, vol. 126, no. 10, 101., WOS

[1.1] LI, J. et al. In *SURFACE SCIENCE*, 2014, vol. 624, pp. 1-7., WOS

[1.1] LI, J. In *JOURNAL OF ALLOYS AND COMPOUNDS*, 2013, vol. 556, p. 214., WOS

[1.1] NAGASAKO, N. Stress formulation . In *JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN*, 2011, vol. 80, no. 2, 024701., WOS

[1.1] SUN, S. In *RARE METAL MATERIALS*, 2013, vol. 42, p. 1478., WOS

[1.1] SUN, S.P. et al. In *APPLIED SURFACE SCIENCE*, 2014, vol. 288, pp. 609-618., WOS

[1.1] TANG, P.-Y. et al. In *COMPUTATIONAL MATERIALS SCIENCE*, 2014, vol. 91, pp. 153-158., WOS

[1.1] WANG, J. In *MATERIALS SCIENCE AND ENGINEERING A*, vol. 534, 2012, p. 353-364., WOS

ADCA399 JAHNÁTEK, M. - KRAJČÍ, Marián - HAFNER, J. Response of fcc metals and L1(2) and D0(22) type trialuminides to uniaxial loading along [001]: ab initio DFT calculations. In *Philosophical Magazine*, 2011, vol. 91, no. 4, p. 491-516. (1.302 - IF2010). (2011 - Current Contents). ISSN 1478-6435.

Ohlasy:

[1.1] ELHADARI, H.A. Tensile and fatigue of a cast aluminium alloy. In *MATERIALS SCIENCE AND ENGINEERING A*, 2011, vol. 528, no. 28, p. 8128-8138., WOS

[1.1] TANG, P.Y. et al. In *COMPUTATIONAL MATERIALS SCIENCE*, 2014, vol. 91, pp. 153-158., WOS

ADCA400 JANCOVICI, Bernard - ŠAMAJ, Ladislav. Guest charge and potential fluctuations in two-dimensional classical Coulomb systems. In *Journal of Statistical Physics*, 2008. Vol. 131, p. 613-629. ISSN 0022-4715.

Ohlasy:

[1.1] TELLEZ, Gabriel - FORRESTER, Peter J. Expanded Vandermonde Powers and Sum Rules for the Two-Dimensional One-Component Plasma. In *JOURNAL OF STATISTICAL PHYSICS*. ISSN 0022-4715, 2012, vol. 148, no. 5, pp. 824., WOS

ADCA401 JANCOVICI, B. - ŠAMAJ, Ladislav. Casimir force between two ideal-conductor walls revisited. In *Europhysics Letters*, 2005, vol. 72, no. 1, p. 35-41. (2.120 - IF2004). (2005 - Current Contents). ISSN 0295-5075.

Ohlasy:

[1.1] ANTONIADIS, I. - BAESSLER, S. - BUECHNER, M. - FEDOROV, V. V. - HOEDL, S. - LAMBRECHT, A. - NESVIZHEVSKY, V. V. - PIGNOL,

G. - PROTASOV, K. V. - REYNAUD, S. - SOBOLEV, Yu. Short-range fundamental forces. In *COMPTES RENDUS PHYSIQUE*, 2011, vol.12, no.8, 755., WOS

[1.1] BREVIK, Iver - HOYE, Johan S. Temperature dependence of the Casimir force. In *EUROPEAN JOURNAL OF PHYSICS*. ISSN 0143-0807, 2014, vol. 35, no. 1, 015012., WOS

[1.1] LAMBRECHT, Astrid - REYNAUD, Serge. CASIMIR EFFECT: THEORY AND EXPERIMENTS. In *INTERNATIONAL JOURNAL OF MODERN PHYSICS A*. ISSN 0217-751X, 2012, vol. 27, no. 15, 1260013., WOS

[1.1] LOMBARDO, Fernando C. - MAZZITELLI, Francisco D. - RUBIO LOPEZ, Adrian E. Casimir force for absorbing media in an open quantum system framework: Scalar model. In *PHYSICAL REVIEW A*, 2011, vol.84, no.5, 052517., WOS

[1.1] MAGHREBI, Mohammad F. - RAHI, Sahand Jamal - EMIG, Thorsten - GRAHAM, Noah - JAFFE, Robert L. - KARDAR, Mehran. Analytical results on Casimir forces for conductors with edges and tips. In *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*, 2011, vol.108, no.17, 6867., WOS

[1.1] MARACHEVSKY, Valery N. The Casimir effect: medium and geometry. In *JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL*. ISSN 1751-8113, 2012, vol. 45, no. 37, 374021., WOS

[1.1] MARACHEVSKY, Valery N. - ANDRIANOV, A - ESPRIU, D - ANDRIANOV - KOLEVATOV, S. Casimir effect for fermion layers. In *II RUSSIAN-SPANISH CONGRESS ON PARTICLE AND NUCLEAR PHYSICS AT ALL SCALES, ASTROPARTICLE PHYSICS AND COSMOLOGY*. ISSN 0094-243X, 2014, vol. 1606, pp. 369., WOS

[1.1] MILTON, Kimball. THE CASIMIR FORCE Feeling the heat. In *NATURE PHYSICS*, 2011, vol.7, no.3, 190., WOS

[1.1] MILTON, K. A. - BREVIK, Iver - ELLINGSEN, Simen A. Thermal issues in Casimir forces between conductors and semiconductors. In *PHYSICA SCRIPTA*. ISSN 0031-8949, 2012, vol. T151., WOS

ADCA402 JANCOVICI, B. - ŠAMAJ, Ladislav. Equilibrium long-ranged charge correlations at the interface between media coupled to the electromagnetic radiation. In *Physical Review E*, 2009, vol. 80, no. 3, 031139. (2.508 - IF2008). (2009 - Current Contents, WOS, SCOPUS). ISSN 1539-3755.

Ohlasy:

[1.1] BEI, Xiao-Min - LIU, Zhong-Zhu. Quantum radiation in time-dependent dielectric media. In *JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS*, 2011, vol.44, no.20, 205501., WOS

ADCA403 JANCOVICI, B. - ŠAMAJ, Ladislav. Equilibrium long-ranged charge correlations at the surface of a conductor coupled to electromagnetic radiation. II. In *Physical Review E*, 2009, vol. 79, no. 2, 021111. (2.508 - IF2008). (2009 - Current Contents, WOS, SCOPUS). ISSN 1539-3755.

Ohlasy:

[1.1] BEI, Xiao-Min - LIU, Zhong-Zhu. Quantum radiation in time-dependent dielectric media. In *JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS*, 2011, vol.44, no.20, 205501., WOS

[1.1] HOYE, Johan S. Van der Waals interactions: Evaluations by use of a statistical mechanical method. In JOURNAL OF CHEMICAL PHYSICS, 2011, vol.135, no.13, 134102., WOS

ADCA404 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.

Ohlasy:

[1.1] GRANJA, C. In EPJ WEB OF CONFERENCES, vol. 21, 2012, 10004., WOS

ADCA405 JANDEL, Marián - MORHÁČ, Miroslav - KLIMAN, Ján - KRUPA, L. - MATOUŠEK, Vladislav - HAMILTON, J.H. - RAMAYYA, A.V. Decomposition of continuum gama-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. (1.166 - IF2003). (2004 - Current Contents, WOS, SCOPUS). ISSN 0168-9002.

Ohlasy:

[1.1] CALIANDRO, R.- BELVISO, D.B. In JOURNAL OF APPLIED CRYSTALLOGRAPHY, 2014, vol. 47, pp. 1087-1096., WOS

[1.1] REINHARDT, S. In RADIATION PROTECTION DOSIMETRY, 2014, vol. 160, pp. 311-317., WOS

ADCA406 JANIČKOVIČ, Dušan - ŠEBO, Pavol - DUHAJ, Pavol - ŠVEC, Peter. The rapidly quenched Ag-Cu-Ti ribbons for active joining of ceramics. In *Materials Science and Engineering A*, 2001, vol. 304-306, p. 569-573. (0.897 - IF2000). (2001 - Current Contents, WOS, SCOPUS). ISSN 0921-5093.

Ohlasy:

[1.1] CUI, Bing - HUANG, Jihua - CAI, Chuang - CHEN, Shuhai - ZHAO, Xingke. Microstructures and mechanical properties of C-f/SiC composite and TC4 alloy joints brazed with (Ti-Zr-Cu-Ni) plus W composite filler materials. In COMPOSITES SCIENCE AND TECHNOLOGY. ISSN 0266-3538, 2014, vol. 97, pp. 19., WOS

[1.1] LIN, Kun-Lin - SINGH, Mrityunjay - ASTHANA, Rajiv. Interfacial characterization of alumina-to-alumina joints fabricated using silver-copper-titanium interlayers. In MATERIALS CHARACTERIZATION. ISSN 1044-5803, 2014, vol. 90, pp. 40., WOS

[1.1] TUNCKAN, Orkun - YURDAKUL, Hilmi - TURAN, Servet. Identification and quantification of reaction phases at Si₃N₄-Ti interfaces by using analytical transmission electron microscopy techniques. In CERAMICS INTERNATIONAL. ISSN 0272-8842, 2013, vol. 39, no. 2, pp. 1087., WOS

[1.1] WU, Mao - CAO, Che-zheng - RAFI-UD-DIN - HE, Xin-bo - QU, Xuan-hui. Brazing diamond/Cu composite to alumina using reactive Ag-Cu-Ti alloy. In TRANSACTIONS OF NONFERROUS METALS SOCIETY OF CHINA. ISSN 1003-6326, 2013, vol. 23, no. 6, pp. 1701., WOS

[1.1] ZHANG, Jiangsong - LUO, Ruiying - JIANG, Min - XIANG, Qiao - LI, Jinsong. The preparation and performance of a novel room-temperature-cured heat-resistant adhesive for ceramic bonding. In MATERIALS SCIENCE AND

ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES
MICROSTRUCTURE AND PROCESSING, 2011, vol.528, no.6, 2952-2959.,
WOS

[1.1] ZHU, Weiwei - CHEN, Jichun - JIANG, Chunhai - HAO, Chuanyong -
ZHANG, Jinsong. Effects of Ti thickness on microstructure and mechanical
properties of alumina-Kovar joints brazed with Ag-Pd/Ti filler. In CERAMICS
INTERNATIONAL. ISSN 0272-8842, 2014, vol. 40, no. 4, pp. 5699., WOS

ADCA407 JANOTOVÁ, Irena - HOŠKO, Jozef - ŠVEC, Peter Jr. - MAŤKO, Igor -
JANIČKOVIČ, Dušan - ŠVEC, Peter - GEMMING, T. - STOICA, M. The study of
structure Fe-B-P based metallic glasses. In *Applied Surface Science*, 2013, vol. 269,
p. 102-105. (2.112 - IF2012). (2013 - Current Contents, WOS, SCOPUS). ISSN
0169-4332.

Ohlasy:

[1.1] LI, Nan et al. Formation and magnetic properties of metastable phases
observed in the Fe-50(Hf_xTa_{1-x})(50) films by ion beam mixing. In APPLIED
SURFACE SCIENCE, 2014, vol. 290, pp. 495-498., WOS

[1.1] VASIC, M. et al. In THERMOCHIMICA ACTA, 2013, vol. 562, p.
35-41., WOS

ADCA408 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. (0.702 - IF2012). (2013 - Current Contents, WOS, SCOPUS).
ISSN 1557-1939.

Ohlasy:

[1.1] QIAN, Kun-ming - HAO, Jie - JI, Song - ZHANG, Yan-song - DING,
Ang - HUANG, Jing-hui - QIAN, Chun-yang - ZHANG, Zu-jun - CHEN, P.
Study on Microstructure and Composition of Nanocrystalline Fe-based Soft
Magnetic Material. In PROCEEDINGS OF 2014 INTERNATIONAL
CONFERENCE ON MATERIAL SCIENCE AND ENGINEERING. ISSN
1022-6680, 2014, vol. 1035, pp. 315-320., WOS

ADCA409 JERGEL, Matej - CHESHKO, I. - HALAHOVETS, Y. - ŠIFFALOVIČ, Peter -
MAŤKO, 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. (2.104 - IF2008). (2009 - Current Contents, SCOPUS). ISSN
0022-3727.

Ohlasy:

[1.1] HYSEN, T. - AL-HARTHI, Salim - AL-OMARI, I. A. - GEETHA, P. -
LISHA, R. - RAMANUJAN, R. V. - SAKTHIKUMAR, D. -

ANANTHARAMAN, M. R. Annealing induced low coercivity, nanocrystalline
Co-Fe-Si thin films exhibiting inverse cosine angular variation. In JOURNAL OF
MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2013, vol.
341, pp. 165-172., WOS

[1.1] KUMAR, Dileep - GUPTA, Ajay - PATIDAR, P. - BANERJEE, A. -
PANDEY, K. K. - SANT, T. - SHARMA, S. M. Interface induced perpendicular
magnetic anisotropy in a Co/CoO/Co thin-film structure: an in situ MOKE
investigation. In JOURNAL OF PHYSICS D-APPLIED PHYSICS. ISSN

0022-3727, 2014, vol. 47, no. 10, 105002., WOS

[1.1] WANG, Yun-Peng - HAN, Xiu-Feng - WU, Yu-Ning - CHENG, Hai-Ping. Adsorption of tris(8-hydroxyquinoline)aluminum molecules on cobalt surfaces. In *PHYSICAL REVIEW B*. ISSN 1098-0121, 2012, vol. 85, no. 14, 144430., WOS

ADCA410 JERTEL, Matej - HOLÝ, V. - MAJKOVÁ, Eva - LUBY, Štefan - SENDERÁK, Rudolf. Interface study on W-Si/Si and obliquely deposited W/Si multilayers by grazing-incidence high-resolution x-ray-diffraction. In *Journal of Physics D: Applied Physics*, 1995, vol. 28, no. 4A, p. A241-A245. (0.880 - IF1994). (1995 - Current Contents, SCOPUS). ISSN 0022-3727.

Ohlasy:

[1.1] QUIROS, C. et al. In *NANOTECHNOLOGY*, 2014, vol. 25, no. 33, 335704., WOS

[3] HEINZMANN, U. Angle-, spin-, phase- and attosecond time resolved photoemission experiments. In *VACUUM CONFERENCE 14*, June, 2012, Dubrovnik. BOOK OF ABSTRACTS. Ed. N.Radic and S.Milosevic. ISBN 978-953-98154-1.

ADCA411 JERTEL, Matej - HOLÝ, V. - MAJKOVÁ, Eva - LUBY, Štefan - SENDERÁK, Rudolf. Interface evolution in a W/Si multilayer after rapid thermal annealing studied by X-ray reflectivity and diffuse scattering. In *Journal of Applied Crystallography*, 1997, vol. 30, no. 2, p. 642-646. (2.480 - IF1996). (1997 - Current Contents). ISSN 0021-8898.

Ohlasy:

[1.1] BISWAS, A. - BHATTACHARYYA, D. Correlation of interface roughness for ion beam sputter deposited W/Si multilayers. In *JOURNAL OF APPLIED PHYSICS*, 2011, vol.109, no.8, 084311., WOS

[1.1] RAJPUT, Parasmani - GUPTA, Ajay - RAJAGOPALAN, S. - TYAGI, A. K. Fe diffusion in amorphous Si studied using x-ray standing wave technique. In *AIP ADVANCES*. ISSN 2158-3226, 2012, vol. 2, no. 1, 012159., WOS

[3] HEINZMANN, U. In *VACUUM CONFERENCE 14*, June, 2012, Dubrovnik. Book of Abstracts- Eds. N.Radic and S.Milosevic. ISBN 978-953-98154-1.

ADCA412 JERTEL, Matej - ANOPCHENKO, A.S. - MAJKOVÁ, Eva - SPASOVA, M. - LUBY, Štefan - HOLÝ, V. - BRUNEL, M. - LUCHES, A. - MARTINO, M. Structure of Ag/Co multilayers on excimer laser irradiation. In *Thin Solid Films*, 2000, vol. 373, p. 216-221. (1.100 - IF1999). (2000 - Current Contents). ISSN 0040-6090.

Ohlasy:

[1.1] TSAY, Jyh-Shen - TSAI, Du-Cheng - CHANG, Cheng-Hsun-Tony - CHEN, Wei-Hsiang. Ag-related alloy formation and magnetic phases for Ag/Co/Ir(111) ultrathin films. In *THIN SOLID FILMS*. ISSN 0040-6090, 2013, vol. 548, pp. 475., WOS

ADCA413 JERTEL, 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, p. 919. (1996 - Current Contents, SCOPUS). ISSN 0003-6951.

Ohlasy:

[3] HEINZMANN, U. Angle-, spin-, phase- and attosecond time resolved photoemission experiments. In VACUUM CONFERENCE 14, June, 2012, Dubrovnik. Book of Abstracts. Eds. N.Radic and S.Milosevic. ISBN-978-953-98154-1.

ADCA414 JERSEL, Matej - OŽVOLD, Milan - SENDERÁK, Rudolf - LUBY, Štefan - MAJKOVÁ, Eva. Ultrashort period Cu/Si and Ni/C multilayers for X-ray mirrors. In *Zeitschrift fur Kristallographie*, 2006, suppl. 23, p. 305-310.

Ohlasy:

[1.1] SAWHNEY, K. J. S. - DOLBANYA, I. P. - SCOTT, S. M. - TIWARI, M. K. - PREECE, G. M. - ALCOCK, S. G. - MALANDAIN, A. W. - MORAWE, C - KHOUNSARY, AM - GOTO, S. A double multilayer monochromator for the B16 Test beamline at the Diamond Light Source. In ADVANCES IN X-RAY/EUV OPTICS AND COMPONENTS VI. BOOK SERIES: PROCEEDINGS OF SPIE, 2011, vol.8139, 813908., WOS

ADCA415 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.

Ohlasy:

[1.1] KUMAR, Pankaj - KUMAR, Rakesh. Simultaneous higher-order Hong and Mandel's squeezing of both quadrature components in orthogonal even coherent state. In OPTIK. ISSN 0030-4026, 2013, vol. 124, no. 15, pp. 2229., WOS

ADCA416 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. (1.659 - IF2011). (2012 - Current Contents). ISSN 1533-7146.

Ohlasy:

[1.1] BOOKATZ, Adam D. QMA-COMplete PROBLEMS. In QUANTUM INFORMATION & COMPUTATION. ISSN 1533-7146, 2014, vol. 14, no. 5-6, pp. 361., WOS

ADCA417 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. (2.538 - IF2013). (2014 - Current Contents). ISSN 0169-4332.

Ohlasy:

[1.1] AI, T. - ZHANG, R. - ZHOU, H. W. - PEI, J. L. Box-counting methods to directly estimate the fractal dimension of a rock surface. In APPLIED SURFACE SCIENCE. ISSN 0169-4332, 2014, vol. 314, pp. 610., WOS

ADCA418 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. (1.616 - IF2009). (2010 - Current Contents). ISSN 0169-4332.

Ohlasy:

[1.1] LIN, Qi-jing - YANG, Shu-ming - WANG, Chen-ying - DING, Jian-jun - JIANG, Zhuang-de. Multifractal analysis for Cu/Ti bilayer thin films. In *SURFACE AND INTERFACE ANALYSIS*. ISSN 0142-2421, 2013, vol. 45, no. 8, pp. 1223., WOS

ADCA419 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. (0.448 - IF2008). (2009 - Current Contents, WOS, SCOPUS). ISSN 1895-1082.

Ohlasy:

[1.1] ANISIMOV, K. S. - MALKOV, A. A. - DUBROVENSKII, S. D. - MALYGIN, A. A. Chemical assembly of chromium oxide structures on the surface of disperse silicon carbide. In *RUSSIAN JOURNAL OF APPLIED CHEMISTRY*, 2011, vol.84, no.8, 1299., WOS

[1.1] HAN, You Sung - TOMAR, Vikas. An ab initio study of the peak tensile strength of tungsten with an account of helium point defects. In *INTERNATIONAL JOURNAL OF PLASTICITY*. ISSN 0749-6419, 2013, vol. 48, pp. 54., WOS

[1.1] HAN, You Sung - TOMAR, Vikas. An ab initio study of the structure-strength correlation in impact damaged SiC grain boundaries. In *COMPUTATIONAL MATERIALS SCIENCE*. ISSN 0927-0256, 2014, vol. 82, pp. 331-336., WOS

ADCA420 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, p. 8409-8414. (2.103 - IF2011). (2012 - Current Contents). ISSN 0169-4332.

Ohlasy:

[1.1] ANGERMANN, Heike. Conditioning of Si-interfaces by wet-chemical oxidation: Electronic interface properties study by surface photovoltage measurements. In *APPLIED SURFACE SCIENCE*. ISSN 0169-4332, 2014, vol. 312, pp. 3-16., WOS

ADCA421 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. (0.852 - IF1996). (1997 - Current Contents, WOS, SCOPUS). ISSN 0921-5093.

Ohlasy:

[1.1] WILLARD, Matthew A. - DANIIL, Maria - BUSCHOW, KHJ. NANOCRYSTALLINE SOFT MAGNETIC ALLOYS TWO DECADES OF PROGRESS. In *HANDBOOK OF MAGNETIC MATERIALS*, VOL 21. ISSN 1567-2719, 2013, vol. 21, pp. 173., WOS

ADCA422 KACZKOWSKI, Z. - KRAUS, L. - VLASÁK, Gabriel. Saturation magnetostriction determination of annealed Fe_{73.5}Nb₃Cu₁Si_{13.5}B₉ alloy using two methods. In *Journal of Magnetism and Magnetic Materials*, 1996, vol. 160, p. 275-276. (1.208 - IF1995). (1996 - Current Contents, WOS, SCOPUS). ISSN 0304-8853.

Ohlasy:

[1.1] WILLARD, Matthew A. - DANIIL, Maria - BUSCHOW, KHJ. NANOCRYSTALLINE SOFT MAGNETIC ALLOYS TWO DECADES OF PROGRESS. In HANDBOOK OF MAGNETIC MATERIALS, VOL 21. ISSN 1567-2719, 2013, vol. 21, pp. 173., WOS

[1.1] YANG, Weiming - LIU, Haishun - DUN, Chaochao - ZHAO, Yucheng - DOU, Linming. Variations of the Effective Magnetostriction with Annealing Conditions for Nanocrystalline Magnetic Alloys. In JOURNAL OF LOW TEMPERATURE PHYSICS, 2011, vol.164, no.5-6, 272., WOS

ADCA423 KALINAY, Pavol - PERCUS, J.K. Approximations of the generalized Fick-Jacobs equation. In *Physical Review E*, 2008, vol. 78, no. 2, 021103. (2.483 - IF2007). (2008 - Current Contents, WOS, SCOPUS). ISSN 1539-3755.

Ohlasy:

[1.1] BAUER, Maximilian - GODEC, Aljaz - METZLER, Ralf. Diffusion of finite-size particles in two-dimensional channels with random wall configurations. In PHYSICAL CHEMISTRY CHEMICAL PHYSICS. ISSN 1463-9076, 2014, vol. 16, no. 13, pp. 6118., WOS

[1.1] BEREZHKOVSII, Alexander - SZABO, Attila. Time scale separation leads to position-dependent diffusion along a slow coordinate. In JOURNAL OF CHEMICAL PHYSICS, 2011, vol.135, no.7, 074108., WOS

[1.1] BEREZHKOVSII, A. M. - BEZRUKOV, S. M. On the applicability of entropy potentials in transport problems. In EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS. ISSN 1951-6355, 2014, vol. 223, no. 14, pp. 3063., WOS

[1.1] FORTE, Giuseppe - CECCONI, Fabio - VULPIANI, Angelo. Transport and fluctuation-dissipation relations in asymptotic and preasymptotic diffusion across channels with variable section. In PHYSICAL REVIEW E. ISSN 1539-3755, 2014, vol. 90, no. 6, 062110., WOS

[1.1] MAKHNOVSKII, Yu. A. - BEREZHKOVSII, A. M. - BOGACHEV, L. V. - ZITSERMAN, V. Yu. Driven Diffusion in a Periodically Compartmentalized Tube: Homogeneity versus Intermittency of Particle Motion. In JOURNAL OF PHYSICAL CHEMISTRY B, 2011, vol.115, no.14, 3992., WOS

[1.1] MAKHNOVSKII, Yu.A. Tube: Homogeneity versus intermittency of particle motion. In JOURNAL OF PHYSICAL CHEMISTRY B, 2011, VOL. 115, NO. 4, P. 3992-4002., WOS

[1.1] MALGARETTI, Paolo - PAGONABARRAGA, Ignacio - MIGUEL RUBI, J. Cooperative rectification in confined Brownian ratchets. In PHYSICAL REVIEW E. ISSN 1539-3755, 2012, vol. 85, no. 1, 010105., WOS

[1.1] MALGARETTI, Paolo - PAGONABARRAGA, Ignacio - MIGUEL RUBI, J. Entropic Electrokinetics: Recirculation, Particle Separation, and Negative Mobility. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2014, vol. 113, no. 12, 128301., WOS

[1.1] MONDAL, Debasish. Enhancement of entropic transport by intermediates. In PHYSICAL REVIEW E, 2011, vol.84, no.1, 011149., WOS

[1.1] PINEDA, I. - VAZQUEZ, M.V. - DAGDUG, L. Equilibration in two chambers connected by a capillary of arbitrary shape. In REVISTA MEXICANA DE FISICA. ISSN 0035-001X, 2013, vol. 59, no. 1, pp. 99., WOS

[1.1] SANDOVAL, Mario - DAGDUG, Leonardo. Effective diffusion of

confined active Brownian swimmers. In PHYSICAL REVIEW E. ISSN 1539-3755, 2014, vol. 90, no. 6, 062711., WOS

[1.2] BEREZHKOVSII, A.M. - DAGDUG, L. Analytical treatment of biased diffusion in tubes with periodic dead ends. In Journal of Chemical Physics, 2011, vol.134, no.12, 124109., SCOPUS

[1.2] DAGDUG, L. - BEREZHKOVSII, A.M. - MAKHNOVSKII, Y.A. - ZITSERMAN, V.Y. - BEZRUKOV, S.M. Communication: Turnover behavior of effective mobility in a tube with periodic entropy potential. In Journal of Chemical Physics, 2011, vol.134, no.10, 101102., SCOPUS

ADCA424 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. (2007 - Current Contents). ISSN 0021-9606.

Ohlasy:

[1.1] ALVAREZ-RAMIREZ, J. - DAGDUG, L. - INZUNZA, L. Asymmetric Brownian transport in a family of corrugated two-dimensional channels. In PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS. ISSN 0378-4371, 2014, vol. 410, pp. 319., WOS

[1.1] BOSI, Leone - GHOSH, Pulak K. - MARCHESONI, Fabio. Analytical estimates of free Brownian diffusion times in corrugated narrow channels. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2012, vol. 137, no. 17, 174110., WOS

[1.1] DAS, Moupriya - MONDAL, Debasish - RAY, Deb Shankar. Logic gates for entropic transport. In PHYSICAL REVIEW E. ISSN 1539-3755, 2012, vol. 86, no. 4, 041112., WOS

[1.1] DAS, Moupriya - MONDAL, Debasish - RAY, Deb Shankar. Shape fluctuation-induced dynamic hysteresis. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2012, vol. 136, no. 11, 114104., WOS

[1.1] DAS, M. - RAY, D.S. Control of logic gates by dichotomous noise in energetic and entropic systems. In PHYSICAL REVIEW E. ISSN 1539-3755, 2013, vol. 88, no. 3, 032122., WOS

[1.1] DAS, M. - RAY, D.S. Chaos-induced dynamical hysteresis: Energetic and entropic barriers. In PHYSICAL REVIEW E. ISSN 1539-3755, 2013, vol. 87, no. 3, 032135., WOS

[1.1] MONDAL, Debasish - RAY, Deb Shankar. Asymmetric stochastic localization in geometry controlled kinetics. In JOURNAL OF CHEMICAL PHYSICS, 2011, vol.135, no.19, 194111., WOS

[1.1] MON, K. K. Anisotropic diffusion in a two-dimensional model with obstruction and a comparison of mean first passage time calculations. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2014, vol. 140, no. 18, 184501., WOS

[1.1] PINEDA, I. - CHACON-ACOSTA, G. - DAGDUG, L. Diffusion coefficients for two-dimensional narrow asymmetric channels embedded on flat and curved surfaces. In EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS. ISSN 1951-6355, 2014, vol. 223, no. 14, pp. 3045., WOS

[1.1] WANASUNDARA, Surajith N. - SPITERI, Raymond J. - BOWLES, Richard K. A transition state theory for calculating hopping times and diffusion in highly confined fluids. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2014, vol. 140, no. 2, 024505., WOS

ADCA425 KALINAY, Pavol - PERCUS, J.K. Corrections to the Fick-Jacobs equation. In *Physical Review E*, 2006, vol. 74, no. 4, 041203. (2.418 - IF2005). (2006 - Current Contents, WOS, SCOPUS). ISSN 1539-3755.

Ohlasy:

[1.1] Ai Bao-Quan- He Y.F.- Li F.G.-Zhong W.R. Hydrodynamically enforced entropic Brownian pump. In JOURNAL OF CHEMICAL PHYSICS, 2013, vol. 138, 154107., WOS

[1.1] AI, Bao-Quan - HE, Ya-Feng - ZHONG, Wei-Rong. Entropic Ratchet transport of interacting active Brownian particles. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2014, vol. 141, no. 19, 194111., WOS

[1.1] AI, Bao-quan - SHAO, Zhi-gang - ZHONG, Wei-rong. Rectified Brownian transport in corrugated channels: Fractional Brownian motion and Levy flights. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2012, vol. 137, no. 17, 174101., WOS

[1.1] AI, Bao-Quan - WU, Jian-Chun. Transport of finite size particles in confined narrow channels: Diffusion, coherence, and particle separation. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2013, vol. 139, no. 3, 034114., WOS

[1.1] ALVAREZ-RAMIREZ, J. - DAGDUG, L. - INZUNZA, L. - RODRIGUEZ, E. Asymmetrical diffusion across a porous medium-homogeneous fluid interface. In PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS. ISSN 0378-4371, 2014, vol. 407, pp. 24., WOS

[1.1] ALVAREZ-RAMIREZ, J. - DAGDUG, L. - INZUNZA, L. Asymmetric Brownian transport in a family of corrugated two-dimensional channels. In PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS. ISSN 0378-4371, 2014, vol. 410, pp. 319., WOS

[1.1] ALVAREZ-RAMIREZ, J. - VALDES-PARADA, F. J. - RODRIGUEZ, E. - DAGDUG, L. - INZUNZA, L. Asymmetric transport of passive tracers across heterogeneous porous media. In PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS. ISSN 0378-4371, 2014, vol. 413, pp. 544., WOS

[1.1] ANTIPOV, Anatoly E. - BARZYKIN, Alexander V. - BEREZHKOVSII, Alexander M. - MAKHNOVSKII, Yurii A. - ZITSERMAN, Vladimir Yu - ALDOSHIN, Sergei M. Effective diffusion coefficient of a Brownian particle in a periodically expanded conical tube. In PHYSICAL REVIEW E. ISSN 1539-3755, 2013, vol. 88, no. 5, 054101., WOS

[1.1] BAUER, Maximilian - GODEC, Aljaz - METZLER, Ralf. Diffusion of finite-size particles in two-dimensional channels with random wall configurations. In PHYSICAL CHEMISTRY CHEMICAL PHYSICS. ISSN 1463-9076, 2014, vol. 16, no. 13, pp. 6118., WOS

[1.1] BECKER, T. - NELISSEN, K. - CLEUREN, B. - PARTOENS, B. - VAN DEN BROECK, C. Adsorption and desorption in confined geometries: A discrete hopping model. In EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS. ISSN 1951-6355, 2014, vol. 223, no. 14, pp. 3243., WOS

[1.1] BEREZHKOVSII, A. M. - BEZRUKOV, S. M. On the applicability of entropy potentials in transport problems. In EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS. ISSN 1951-6355, 2014, vol. 223, no. 14, pp. 3063., WOS

[1.1] BEREZHKOVSII, A. - SZABO, A. Time scale separation leads to position-dependent diffusion along a slow coordinate. In Journal of Chemical

Physics, 2011, vol.135, no.7, 074203., WOS

[1.1] BEREZHKOVSII, A.M. - DAGDUG, L. Analytical treatment of biased diffusion in tubes with periodic dead ends. In Journal of Chemical Physics, 2011, vol.134, no.12., WOS

[1.1] BEZRUKOV, S. M. - SCHIMANSKY-GEIER, L. - SCHMID, G. Brownian motion in confined geometries. In EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS. ISSN 1951-6355, 2014, vol. 223, no. 14, pp. 3021., WOS

[1.1] BORROMEO, Marcello. OVERDAMPED DYNAMICS IN SEPTATE CHANNELS. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2013, vol. 44, no. 5, pp. 1037., WOS

[1.1] BORROMEO, M. - MARCHESONI, F. - GHOSH, P.K. Communication: Driven Brownian transport in eccentric septate channels. In Journal of Chemical Physics, 2011, vol.134, no.5, 051101., WOS

[1.1] BOSI, Leone - GHOSH, Pulak K. - MARCHESONI, Fabio. Analytical estimates of free Brownian diffusion times in corrugated narrow channels. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2012, vol. 137, no. 17, 174110., WOS

[1.1] BRESSLOFF, Paul C. - NEWBY, Jay M. Stochastic models of intracellular transport. In REVIEWS OF MODERN PHYSICS. ISSN 0034-6861, 2013, vol. 85, no. 1, pp. 135., WOS

[1.1] CALERO, C. - FARAUDO, J. - AGUILELLA-ARZO, M. First-passage-time analysis of atomic-resolution simulations of the ionic transport in a bacterial porin. In Physical Review E Statistical, Nonlinear, and Soft Matter Physics, 2011, vol.83, no.2., WOS

[1.1] DAGDUG, Leonardo - PINEDA, Inti. Projection of two-dimensional diffusion in a curved midline and narrow varying width channel onto the longitudinal dimension. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2012, vol. 137, no. 2, 024107., WOS

[1.1] DAGDUG, Leonardo - VAZQUEZ, Marco-Vinicio - BEREZHKOVSII, Alexander M. - ZITSERMAN, Vladimir Yu. - BEZRUKOV, Sergey M. Diffusion in the presence of cylindrical obstacles arranged in a square lattice analyzed with generalized Fick-Jacobs equation. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2012, vol. 136, no. 20, 204106., WOS

[1.1] DAGDUG, L. - BEREZHKOVSII, A.M. - MAKHNOVSKII, Y.A. - ZITSERMAN, V.Y. - BEZRUKOV, S.M. Communication: Turnover behavior of effective mobility in a tube with periodic entropy potential. In Journal of Chemical Physics, 2011, vol.134, no.10., WOS

[1.1] DAS, Debojyoti - DAS, Moupriya - RAY, Deb Shankar. Chemical memory erasure; a photochemical model. In EUROPEAN PHYSICAL JOURNAL B. ISSN 1434-6028, 2014, vol. 87, no. 10, 223., WOS

[1.1] DAS, Moupriya - MONDAL, Debasish - RAY, Deb Shankar. Shape fluctuation-induced dynamic hysteresis. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2012, vol. 136, no. 11, 114104., WOS

[1.1] DORFMAN, Kevin D. - YARIV, Ehud. Assessing corrections to the Fick-Jacobs equation. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2014, vol. 141, no. 4, 044118., WOS

[1.1] FORTE, Giuseppe - CECCONI, Fabio - VULPIANI, Angelo. Transport and fluctuation-dissipation relations in asymptotic and preasymptotic diffusion

- across channels with variable section. In PHYSICAL REVIEW E. ISSN 1539-3755, 2014, vol. 90, no. 6, 062110., WOS
- [1.1] GHOSH, Pulak Kumar - HAENGGI, Peter - MARCHESONI, Fabio - NORI, Franco - SCHMID, Gerhard. Detectable inertial effects on Brownian transport through narrow pores. In EPL. ISSN 0295-5075, 2012, vol. 98, no. 5, 50002., WOS
- [1.1] GHOSH, Pulak K. - MARCHESONI, Fabio. Note: Particle transport through deformable pore geometries. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2012, vol. 136, no. 11, 116101., WOS
- [1.1] GHOSH, P. K. - HAENGGI, P. - MARCHESONI, F. - MARTENS, S. - NORI, F. - SCHIMANSKY-GEIER, L. - SCHMID, G. Driven Brownian transport through arrays of symmetric obstacles. In PHYSICAL REVIEW E. ISSN 1539-3755, 2012, vol. 85, no. 1, 011101., WOS
- [1.1] GHOSH, P. K. - HAENGGI, P. - MARCHESONI, F. - NORI, F. - SCHMID, G. Brownian transport in corrugated channels with inertia. In PHYSICAL REVIEW E. ISSN 1539-3755, 2012, vol. 86, no. 2, 021112., WOS
- [1.1] GHOSH, P.K. - GLAVEY, R. - MARCHESONI, F. - SAVELEV, S.E. - NORI, F. Geometric stochastic resonance in a double cavity. In Physical Review E Statistical, Nonlinear, and Soft Matter Physics, 2011, vol.84, no.1, 011109., WOS
- [1.1] HUANG, Kai-Jian - QIN, S.J. - BAI, Zhong-Chen - ZHANG, Xin - MAI, John D. Entropy-based separation of yeast cells using a microfluidic system of conjoined spheres. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2013, vol. 114, no. 19, UNSP 194702., WOS
- [1.1] CHACON-ACOSTA, Guillermo - PINEDA, Inti - DAGDUG, Leonardo. Diffusion in narrow channels on curved manifolds. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2013, vol. 139, no. 21., WOS
- [1.1] CHEN, Qun - AI, Bao-quan - XIONG, Jian-wen. Brownian transport of finite size particles in a periodic channel coexisting with an energetic potential. In CHAOS. ISSN 1054-1500, 2014, vol. 24, no. 3, 033119., WOS
- [1.1] LI, Feng-guo - AI, Bao-quan. Current control in a two-dimensional channel with nonstraight midline and varying width. In PHYSICAL REVIEW E. ISSN 1539-3755, 2013, vol. 87, no. 6, 062128., WOS
- [1.1] LI, Feng-guo - AI, Bao-quan. Hydrodynamically enforced entropic current of Brownian particles with a transverse gravitational force. In JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT. ISSN 1742-5468, 2014, P04027., WOS
- [1.1] LONG, Fei - MEI, Dong-Cheng. Particles of different sizes diffusing over an entropic barrier. In JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT. ISSN 1742-5468, 2012, P08008., WOS
- [1.1] MAKHNOVSKII, Yu.A. - BEREZHKOVSII, A.M. - BOGACHEV, L.V. - ZITSERMAN, V.Yu. Driven diffusion in a periodically compartmentalized tube: Homogeneity versus intermittency of particle motion. In Journal of Physical Chemistry B, 2011, vol.115, no.14, 3992-4002., WOS
- [1.1] MALGARETTI, P. - PAGONABARRAGA, I. - RUBI, J. M. Working under confinement. In EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS. ISSN 1951-6355, 2014, vol. 223, no. 14, pp. 3295., WOS
- [1.1] MARCONI, Umberto Marini Bettolo - MELCHIONNA, Simone - PAGONABARRAGA, Ignacio. Effective electrodiffusion equation for

non-uniform nanochannels. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2013, vol. 138, no. 24, 244107., WOS

[1.1] MARCONI, Umberto Marini Bettolo - MELCHIONNA, Simone. Ionic conduction in non-uniform nanopores and DNA translocation: a Nernst-Planck-Jacobs one-dimensional description. In MOLECULAR PHYSICS. ISSN 0026-8976, 2013, vol. 111, no. 22-23, pp. 3493., WOS

[1.1] MARTENS, S. - SCHMID, G. - SCHIMANSKY-GEIER, L. - HÄNGGI, P. Entropic particle transport: Higher-order corrections to the Fick-Jacobs diffusion equation. In Physical Review E Statistical, Nonlinear, and Soft Matter Physics, 2011, vol.83, no.5, 051135. ., WOS

[1.1] MARTENS, S. - SCHMID, G. - STRAUBE, A. V. - SCHIMANSKY-GEIER, L. - HAENGGI, P. How entropy and hydrodynamics cooperate in rectifying particle transport. In EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS. ISSN 1951-6355, 2013, vol. 222, no. 10, pp. 2453., WOS

[1.1] MARTENS, S. - SOKOLOV, I. M. - SCHIMANSKY-GEIER, L. Communication: Impact of inertia on biased Brownian transport in confined geometries. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2012, vol. 136, no. 11, 111102., WOS

[1.1] MARTENS, S. - STRAUBE, A. V. - SCHMID, G. - SCHIMANSKY-GEIER, L. - HAENGGI, P. Hydrodynamically Enforced Entropic Trapping of Brownian Particles. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2013, vol. 110, no. 1, 010601., WOS

[1.1] MARTENS, S. - STRAUBE, A. V. - SCHMID, G. - SCHIMANSKY-GEIER, L. - HAENGGI, P. Giant enhancement of hydrodynamically enforced entropic trapping in thin channels. In EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS. ISSN 1951-6355, 2014, vol. 223, no. 14, pp. 3095., WOS

[1.1] OGAWA, Naohisa. Diffusion in a curved tube. In PHYSICS LETTERS A. ISSN 0375-9601, 2013, vol. 377, no. 38, pp. 2465., WOS

[1.1] PINEDA, Inti - ALVAREZ-RAMIREZ, Jose - DAGDUG, Leonardo. Diffusion in two-dimensional conical varying width channels: Comparison of analytical and numerical results. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2012, vol. 137, no. 17., WOS

[1.1] PINEDA, I. - CHACON-ACOSTA, G. - DAGDUG, L. Diffusion coefficients for two-dimensional narrow asymmetric channels embedded on flat and curved surfaces. In EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS. ISSN 1951-6355, 2014, vol. 223, no. 14, pp. 3045., WOS

[1.1] PINEDA, I. - VAZQUEZ, M.-V. - BEREZHKOVSII, A.M. - DAGDUG, L. Diffusion in periodic two-dimensional channels formed by overlapping circles: Comparison of analytical and numerical results. In Journal of Chemical Physics, 2011, vol.135, no.22, 224101., WOS

[1.1] PINEDA, I. - VAZQUEZ, M.V. - DAGDUG, L. Equilibration in two chambers connected by a capillary of arbitrary shape. In REVISTA MEXICANA DE FISICA. ISSN 0035-001X, 2013, vol. 59, no. 1, pp. 99., WOS

[1.1] REGUERA, D. - RUBI, J. M. Engineering tube shapes to control confined transport. In EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS. ISSN 1951-6355, 2014, vol. 223, no. 14, pp. 3079., WOS

[1.1] ROMERO, Juan M. - GAONA, Alejandro. A relation between massive scalar field in $AdS(d+1)$ and diffusion in channels. In 8TH INTERNATIONAL

SYMPOSIUM ON QUANTUM THEORY AND SYMMETRIES (QTS8). ISSN 1742-6588, 2014, vol. 512, 012028., WOS

[1.1] RUIZ BARLETT, V. - HOYUELOS, M. - MARTIN, H. O. Monte Carlo simulation with fixed steplength for diffusion processes in nonhomogeneous media. In JOURNAL OF COMPUTATIONAL PHYSICS. ISSN 0021-9991, 2013, vol. 239, pp. 51., WOS

[1.1] TRAYTAK, Sergey D. Asymptotic solution of the diffusion equation in slender impermeable tubes of revolution. I. The leading-term approximation. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2014, vol. 140, no. 22, 224102., WOS

[1.1] VALDÉS-PARADA, F.J. - ALVAREZ-RAMIREZ, J. A volume averaging approach for asymmetric diffusion in porous media. In Journal of Chemical Physics, 2011, vol.134, no.20, 204709., WOS

[1.1] VALERO-VALDES, Carlos - HERRERA-GUZMAN, Rafael. Projecting diffusion along the normal bundle of a plane curve. In JOURNAL OF MATHEMATICAL PHYSICS. ISSN 0022-2488, 2014, vol. 55, no. 5, 053509., WOS

[1.1] ZHENG, Xin-tong - WU, Jian-chun - AI, Bao-quan - LI, Feng-guo. Brownian pump induced by the phase difference between the potential and the entropic barrier. In EUROPEAN PHYSICAL JOURNAL B. ISSN 1434-6028, 2013, vol. 86, no. 11, 479., WOS

ADCA426 KALINAY, Pavol. Effective one-dimensional description of confined diffusion biased by a transverse gravitational force. In *Physical Review E*, 2011, vol. 84, 011118. (2.352 - IF2010). (2011 - Current Contents, SCOPUS). ISSN 1063-651-X. Ohlasy:

[1.1] AI, Bao-quan - HE, Ya-feng - LI, Feng-guo - ZHONG, Wei-rong. Hydrodynamically enforced entropic Brownian pump. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2013, vol. 138, no. 15, 154107., WOS

[1.1] AI, Bao-quan - SHAO, Zhi-gang - ZHONG, Wei-rong. Rectified Brownian transport in corrugated channels: Fractional Brownian motion and Levy flights. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2012, vol. 137, no. 17, 174101., WOS

[1.1] AI, Bao-Quan - WU, Jian-Chun. Transport of finite size particles in confined narrow channels: Diffusion, coherence, and particle separation. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2013, vol. 139, no. 3, 034114., WOS

[1.1] LI, Feng-guo - AI, Bao-quan. Current control in a two-dimensional channel with nonstraight midline and varying width. In PHYSICAL REVIEW E. ISSN 1539-3755, 2013, vol. 87, no. 6, 062128., WOS

[1.1] LI, Feng-guo - AI, Bao-quan. Hydrodynamically enforced entropic current of Brownian particles with a transverse gravitational force. In JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT. ISSN 1742-5468, 2014, P04027., WOS

[1.1] MARTENS, S. - STRAUBE, A. V. - SCHMID, G. - SCHIMANSKY-GEIER, L. - HAENGGLI, P. Giant enhancement of hydrodynamically enforced entropic trapping in thin channels. In EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS. ISSN 1951-6355, 2014, vol. 223, no. 14, pp. 3095-3111., WOS

[1.1] ZHENG, Xin-tong - WU, Jian-chun - AI, Bao-quan - LI, Feng-guo.

Brownian pump induced by the phase difference between the potential and the entropic barrier. In EUROPEAN PHYSICAL JOURNAL B. ISSN 1434-6028, 2013, vol. 86, no. 11, 479., WOS

ADCA427 KALINAY, Pavol. Effective transport equations in quasi 1D systems. In *European Physical Journal Special Topics*, 2014, vol. 223, p. 3027-3043. (1.760 - IF2013). (2014 - Current Contents). ISSN 1951-6355.

Ohlasy:

[1.1] BEZRUKOV, S. M. - SCHIMANSKY-GEIER, L. - SCHMID, G. Brownian motion in confined geometries. In EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS. ISSN 1951-6355, 2014, vol. 223, no. 14, pp. 3021., WOS

ADCA428 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. ISSN 0022-4715/00.

Ohlasy:

[1.1] BEREZHKOVSII, Alexander - SZABO, Attila. Time scale separation leads to position-dependent diffusion along a slow coordinate. In JOURNAL OF CHEMICAL PHYSICS, 2011, vol.135, no.7, 074108., WOS

[1.1] DAS, Debojyoti - DAS, Moupriya - RAY, Deb Shankar. Chemical memory erasure; a photochemical model. In EUROPEAN PHYSICAL JOURNAL B. ISSN 1434-6028, 2014, vol. 87, no. 10, 223., WOS

[1.1] DAS, Moupriya - MONDAL, Debasish - RAY, Deb Shankar. Logic gates for entropic transport. In PHYSICAL REVIEW E. ISSN 1539-3755, 2012, vol. 86, no. 4, 041112., WOS

[1.1] DAS, Moupriya - MONDAL, Debasish - RAY, Deb Shankar. Shape fluctuation-induced dynamic hysteresis. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2012, vol. 136, no. 11, 114104., WOS

[1.1] DAS, Moupriya - RAY, Deb Shankar. Control of logic gates by dichotomous noise in energetic and entropic systems. In PHYSICAL REVIEW E. ISSN 1539-3755, 2013, vol. 88, no. 3, 032122., WOS

[1.1] DAS, Moupriya - RAY, Deb Shankar. Chaos-induced dynamical hysteresis: Energetic and entropic barriers. In PHYSICAL REVIEW E. ISSN 1539-3755, 2013, vol. 87, no. 3, 032135., WOS

[1.1] DAS, Moupriya. Capturing the Landauer bound through the application of a detailed Jarzynski equality for entropic memory erasure. In PHYSICAL REVIEW E. ISSN 1539-3755, 2014, vol. 90, no. 6, 062120., WOS

[1.1] DAS, Moupriya. Entropic memory erasure. In PHYSICAL REVIEW E. ISSN 1539-3755, 2014, vol. 89, no. 3, 032130., WOS

[1.1] MONDAL, Debasish - RAY, Deb Shankar. Asymmetric stochastic localization in geometry controlled kinetics. In JOURNAL OF CHEMICAL PHYSICS, 2011, vol.135, no.19, 194111., WOS

[1.1] TRAVENEC, Igor - SAMAJ, Ladislav. High orders of Weyl series for the heat content. In PROCEEDINGS OF THE ROYAL SOCIETY A-MATHEMATICAL PHYSICAL AND ENGINEERING SCIENCES, 2011, vol.467, no.2133, 2479., WOS

ADCA429 KALINAY, Pavol - PERCUS, J.K. Extended Fick-Jacobs equation: Variational approach. In *Physical Review E*, 2005, vol. 72, no. 6, 061203. (2.352 - IF2004). (2005 - Current Contents, WOS, SCOPUS). ISSN 1539-3755.

Ohlasy:

[1.1] Ai Bao-Quan- He Y.F.- Li F.G.-Zhong W.R. Hydrodynamically enforced entropic Brownian pump. In JOURNAL OF CHEMICAL PHYSICS, 2013, vol. 138, 154107., WOS

[1.1] AI, Bao-quan - SHAO, Zhi-gang - ZHONG, Wei-rong. Rectified Brownian transport in corrugated channels: Fractional Brownian motion and Levy flights. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2012, vol. 137, no. 17, 174101., WOS

[1.1] BAUER, Maximilian - GODEC, Aljaz - METZLER, Ralf. Diffusion of finite-size particles in two-dimensional channels with random wall configurations. In PHYSICAL CHEMISTRY CHEMICAL PHYSICS. ISSN 1463-9076, 2014, vol. 16, no. 13, pp. 6118., WOS

[1.1] BEREZHKOVSII, A. M. - BEZRUKOV, S. M. On the applicability of entropy potentials in transport problems. In EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS. ISSN 1951-6355, 2014, vol. 223, no. 14, pp. 3063., WOS

[1.1] DAS, Debojyoti - DAS, Moupriya - RAY, Deb Shankar. Chemical memory erasure; a photochemical model. In EUROPEAN PHYSICAL JOURNAL B. ISSN 1434-6028, 2014, vol. 87, no. 10, 223., WOS

[1.1] DAS, Moupriya - MONDAL, Debasish - RAY, Deb Shankar. Shape fluctuation-induced dynamic hysteresis. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2012, vol. 136, no. 11, 114104., WOS

[1.1] FORTE, Giuseppe - CECCONI, Fabio - VULPIANI, Angelo. Transport and fluctuation-dissipation relations in asymptotic and preasymptotic diffusion across channels with variable section. In PHYSICAL REVIEW E. ISSN 1539-3755, 2014, vol. 90, no. 6, 062110., WOS

[1.1] HUANG, Kai-Jian - QIN, S.J. - BAI, Zhong-Chen - ZHANG, Xin - MAI, John D. Entropy-based separation of yeast cells using a microfluidic system of conjoined spheres. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2013, vol. 114, no. 19, UNSP 194702., WOS

[1.1] LI, Feng-guo - AI, Bao-quan. Current control in a two-dimensional channel with nonstraight midline and varying width. In PHYSICAL REVIEW E. ISSN 1539-3755, 2013, vol. 87, no. 6, 062128., WOS

[1.1] LI, Feng-guo - AI, Bao-quan. Hydrodynamically enforced entropic current of Brownian particles with a transverse gravitational force. In JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT. ISSN 1742-5468, 2014, P04027., WOS

[1.1] LONG, Fei - MEI, Dong-Cheng. Particles of different sizes diffusing over an entropic barrier. In JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT. ISSN 1742-5468, 2012, 08008., WOS

[1.1] MAKHNOVSKII, Yu. A. - BEREZHKOVSII, A. M. - BOGACHEV, L. V. - ZITSERMAN, V. Yu. Driven Diffusion in a Periodically Compartmentalized Tube: Homogeneity versus Intermittency of Particle Motion. In JOURNAL OF PHYSICAL CHEMISTRY B, 2011, vol.115, no.14, 3992., WOS

[1.1] MONDAL, Debasish - RAY, Deb Shankar. Asymmetric stochastic

localization in geometry controlled kinetics. In JOURNAL OF CHEMICAL PHYSICS, 2011, vol.135, no.19, 194111., WOS

[1.1] TRAYTAK, Sergey D. Asymptotic solution of the diffusion equation in slender impermeable tubes of revolution. I. The leading-term approximation. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2014, vol. 140, no. 22, 224102., WOS

[1.1] VALDES-PARADA, Francisco J. - ALVAREZ-RAMIREZ, Jose. A volume averaging approach for asymmetric diffusion in porous media. In JOURNAL OF CHEMICAL PHYSICS, 2011, vol.134, no.20, 204709., WOS

[1.1] VALERO-VALDES, Carlos - HERRERA-GUZMAN, Rafael. Projecting diffusion along the normal bundle of a plane curve. In JOURNAL OF MATHEMATICAL PHYSICS. ISSN 0022-2488, 2014, vol. 55, no. 5, 053509., WOS

[1.1] ZHENG, Xin-tong - WU, Jian-chun - AI, Bao-quan - LI, Feng-guo. Brownian pump induced by the phase difference between the potential and the entropic barrier. In EUROPEAN PHYSICAL JOURNAL B. ISSN 1434-6028, 2013, vol. 86, no. 11, 479., WOS

[1.2] BEREZHKOVSII, A. - SZABO, A. Time scale separation leads to position-dependent diffusion along a slow coordinate. In Journal of Chemical Physics, 2011, vol.135, no.7, 074108., SCOPUS

[1.2] BEREZHKOVSII, A.M. - DAGDUG, L. Analytical treatment of biased diffusion in tubes with periodic dead ends. In Journal of Chemical Physics, 2011, vol.134, no.12, 124109., SCOPUS

[1.2] DAGDUG, L. - BEREZHKOVSII, A.M. - MAKHNOVSKII, Y.A. - ZITSERMAN, V.Y. - BEZRUKOV, S.M. Communication: Turnover behavior of effective mobility in a tube with periodic entropy potential. In Journal of Chemical Physics, 2011, vol.134, no.10, 101102., SCOPUS

ADCA430 KALINAY, Pavol. Mapping of forced diffusion in quasi-one-dimensional systems. In *Physical Review E*, 2009, vol. 80, no. 3, 031106. (2.508 - IF2008). (2009 - Current Contents, WOS, SCOPUS). ISSN 1539-3755.

Ohlasy:

[1.1] BEREZHKOVSII, A. M. - BEZRUKOV, S. M. On the applicability of entropy potentials in transport problems. In EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS. ISSN 1951-6355, 2014, vol. 223, no. 14, pp. 3063., WOS

[1.1] BEZRUKOV, S. M. - SCHIMANSKY-GEIER, L. - SCHMID, G. Brownian motion in confined geometries. In EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS. ISSN 1951-6355, 2014, vol. 223, no. 14, pp. 3021., WOS

[1.1] MARTENS, S. - SCHMID, G. - SCHIMANSKY-GEIER, L. - HAENGGI, P. Entropic particle transport: Higher-order corrections to the Fick-Jacobs diffusion equation. In PHYSICAL REVIEW E, 2011, vol.83, no.5, 051135., WOS

[1.1] PINEDA, I. - VAZQUEZ, M.V. - DAGDUG, L. Equilibration in two chambers connected by a capillary of arbitrary shape. In REVISTA MEXICANA DE FISICA. ISSN 0035-001X, 2013, vol. 59, no. 1, pp. 99., WOS

[1.1] REGUERA, D. - RUBI, J. M. Engineering tube shapes to control confined transport. In EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS. ISSN 1951-6355, 2014, vol. 223, no. 14, pp. 3079., WOS

- [1.1] ZITSERMAN, Vladimir Yu - BEREZHKOVSKII, Alexander M. - ANTIPOV, Anatoly E. - MAKHNOVSKII, Yurii A. Biased diffusion in tubes of alternating diameter: Analytical treatment in the case of strong bias. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2014, vol. 141, no. 21, 214103., WOS
- [1.2] DAGDUG, L. - BEREZHKOVSKII, A.M. - MAKHNOVSKII, Y.A. - ZITSERMAN, V.Y. - BEZRUKOV, S.M. Communication: Turnover behavior of effective mobility in a tube with periodic entropy potential. In Journal of Chemical Physics, 2011, vol.134, no.10, 101102., SCOPUS

ADCA431 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. (2.400 - IF2009). (2010 - Current Contents, WOS, SCOPUS). ISSN 1539-3755.

Ohlasy:

- [1.1] Ai Bao-Quan- He Y.F.- Li F.G.-Zhong W.R. Hydrodynamically enforced entropic Brownian pump. In JOURNAL OF CHEMICAL PHYSICS, 2013, vol. 138, 154107., WOS
- [1.1] AI, Bao-quan - SHAO, Zhi-gang - ZHONG, Wei-rong. Rectified Brownian transport in corrugated channels: Fractional Brownian motion and Levy flights. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2012, vol. 137, no. 17, 174101., WOS
- [1.1] AI, Bao-Quan - WU, Jian-Chun. Transport of finite size particles in confined narrow channels: Diffusion, coherence, and particle separation. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2013, vol. 139, no. 3, 034114., WOS
- [1.1] BEREZHKOVSKII, A. M. - BEZRUKOV, S. M. On the applicability of entropy potentials in transport problems. In EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS. ISSN 1951-6355, 2014, vol. 223, no. 14, pp. 3063-3077., WOS
- [1.1] BEREZHKOVSKII, A.M. - DAGDUG, L. Analytical treatment of biased diffusion in tubes with periodic dead ends. In Journal of Chemical Physics, 2011, vol.134, no.12, 124109., WOS
- [1.1] BOSI, Leone - GHOSH, Pulak K. - MARCHESONI, Fabio. Analytical estimates of free Brownian diffusion times in corrugated narrow channels. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2012, vol. 137, no. 17, 174110., WOS
- [1.1] DAGDUG,L. Communication: Turnover behavior of effective mobility in a tube with periodic entropy potential. In JOURNAL OF CHEMICAL PHYSICS, 2011, vol. 134, 101102., WOS
- [1.1] FORTE, Giuseppe - CECCONI, Fabio - VULPIANI, Angelo. Transport and fluctuation-dissipation relations in asymptotic and preasymptotic diffusion across channels with variable section. In PHYSICAL REVIEW E. ISSN 1539-3755, 2014, vol. 90, no. 6, 062110., WOS
- [1.1] LI F.G., AI, BQ. In PHYSICAL REVIEW E, 2013, vol. 87, 062128., WOS
- [1.1] LI, Feng-guo - AI, Bao-quan. Hydrodynamically enforced entropic current of Brownian particles with a transverse gravitational force. In JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT. ISSN 1742-5468, 2014, P04027., WOS
- [1.1] MARTENS, S. - SCHMID, G. - SCHIMANSKY-GEIER, L. -

- HÄNGGI, P. Biased Brownian motion in extremely corrugated tubes. In *Chaos*, 2011, vol.21, no.4, 047518., WOS
- [1.1] MARTENS, S. - SCHMID, G. - SCHIMANSKY-GEIER, L. - HÄNGGI, P. Entropic particle transport: Higher-order corrections to the Fick-Jacobs diffusion equation. In *Physical Review E Statistical, Nonlinear, and Soft Matter Physics*, 2011, vol.83, no.5, 051135., WOS
- [1.1] MARTENS, S. - SOKOLOV, I. M. - SCHIMANSKY-GEIER, L. Communication: Impact of inertia on biased Brownian transport in confined geometries. In *JOURNAL OF CHEMICAL PHYSICS*. ISSN 0021-9606, 2012, vol. 136, no. 11, 111102., WOS
- [1.1] MONDAL, Debasish - DAS, Moupriya - RAY, Deb Shankar. Entropic dynamical hysteresis in a driven system. In *PHYSICAL REVIEW E*. ISSN 1539-3755, 2012, vol. 85, no. 3, 031128., WOS
- [1.1] MONDAL, D. Enhancement of entropic transport by intermediates. In *Physical Review E Statistical, Nonlinear, and Soft Matter Physics*, 2011, vol.84, no.1, 011149., WOS
- [1.1] PINEDA, I. - VAZQUEZ, M.V. - DAGDUG, L. Equilibration in two chambers connected by a capillary of arbitrary shape. In *REVISTA MEXICANA DE FISICA*. ISSN 0035-001X, 2013, vol. 59, no. 1, pp. 99., WOS
- [1.1] ZHENG X.-T. et al. In *EUROPEAN PHYSICAL JOURNAL B*, 2013, vol. 86, 479., WOS

ADCA432 KALINAY, Pavol - PERCUS, J.K. Mapping of diffusion in a channel with soft walls. In *Physical Review E*, 2011, vol. 83, no. 3, 031109. (2.352 - IF2010). (2011 - Current Contents, SCOPUS). ISSN 1063-651-X.

Ohlasy:

- [1.1] Ai Bao-Quan- He Y.F.- Li F.G.-Zhong W.R. Hydrodynamically enforced entropic Brownian pump. In *JOURNAL OF CHEMICAL PHYSICS*, 2013, vol. 138, 154107., WOS
- [1.1] BEREZHKOVSII, A. - SZABO, A. Time scale separation leads to position-dependent diffusion along a slow coordinate. In *Journal of Chemical Physics*, 2011, vol.135, no.7, 074109., WOS
- [1.1] MARTENS, S. - SCHMID, G. - SCHIMANSKY-GEIER, L. - HÄNGGI, P. Entropic particle transport: Higher-order corrections to the Fick-Jacobs diffusion equation. In *Physical Review E Statistical, Nonlinear, and Soft Matter Physics*, 2011, vol.83, no.5, 051135., WOS
- [1.1] MARTENS, S. - SCHMID, G. - STRAUBE, A. V. - SCHIMANSKY-GEIER, L. - HAENGGI, P. How entropy and hydrodynamics cooperate in rectifying particle transport. In *EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS*. ISSN 1951-6355, 2013, vol. 222, no. 10, pp. 2453., WOS
- [1.1] MARTENS, S. - STRAUBE, A. V. - SCHMID, G. - SCHIMANSKY-GEIER, L. - HAENGGI, P. Hydrodynamically Enforced Entropic Trapping of Brownian Particles. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2013, vol. 110, no. 1, 010601., WOS
- [1.1] MONDAL, Debasish - DAS, Moupriya - RAY, Deb Shankar. Entropic dynamical hysteresis in a driven system. In *PHYSICAL REVIEW E*. ISSN 1539-3755, 2012, vol. 85, no. 3, 031128., WOS
- [1.1] MONDAL, D. Enhancement of entropic transport by intermediates. In *Physical Review E Statistical, Nonlinear, and Soft Matter Physics*, 2011, vol.84,

no.1., WOS

[1.1] PALMIERI, Benoit - SAFRAN, Samuel A. Diffusion in a soft confining environment: Dynamic effects of thermal fluctuations. In *PHYSICAL REVIEW E*. ISSN 1539-3755, 2012, vol. 86, no. 3, 031111., WOS

[1.1] ZHENG, Xin-tong - WU, Jian-chun - AI, Bao-quan - LI, Feng-guo. Brownian pump induced by the phase difference between the potential and the entropic barrier. In *EUROPEAN PHYSICAL JOURNAL B*. ISSN 1434-6028, 2013, vol. 86, no. 11, 479., WOS

ADCA433 KALINAY, Pavol. Moment expansion for mapping of the confined diffusion. In *Physical Review E*, 2013, vol. 87, 032143. (2.313 - IF2012). (2013 - Current Contents, WOS, SCOPUS). ISSN 1539-3755.

Ohlasy:

[1.1] AI, Bao-Quan - HE, Ya-Feng - ZHONG, Wei-Rong. Entropic Ratchet transport of interacting active Brownian particles. In *JOURNAL OF CHEMICAL PHYSICS*. ISSN 0021-9606, 2014, vol. 141, no. 19, 194111., WOS

[1.1] BAUER, Maximilian - GODEC, Aljaz - METZLER, Ralf. Diffusion of finite-size particles in two-dimensional channels with random wall configurations. In *PHYSICAL CHEMISTRY CHEMICAL PHYSICS*. ISSN 1463-9076, 2014, vol. 16, no. 13, pp. 6118., WOS

ADCA434 KALINAY, Pavol - PERCUS, Jerome K. Phase space reduction of the one-dimensional Fokker-Planck (Kramers) equation. In *Journal of Statistical Physics*, 2012, vol. 148, p. 1135-1155. (1.397 - IF2011). (2012 - Current Contents, WOS, SCOPUS). ISSN 0022-4715.

Ohlasy:

[1.1] ROZENBAUM, Viktor M. - MAKHNOVSKII, Yurii A. - SHAPOCHKINA, Irina V. - SHEU, Sheh-Yi - YANG, Dah-Yen - LIN, Sheng Hsien. Inertial effects in adiabatically driven flashing ratchets. In *PHYSICAL REVIEW E*. ISSN 1539-3755, 2014, vol. 89, no. 5, 052131., WOS

[3] GHOSH, P.K. et al. In *PHYSICAL REVIEW E*, 2012, vol. 86, 021112.

[3] GHOSH, P.K. et al. In *EPL*, 2012, vol. 98, 50002.

ADCA435 KALINAY, Pavol - PERCUS, J.K. Projection of two-dimensional diffusional in a narrow channel onto the longitudinal dimension. In *Journal of Chemical Physics*, 2005, vol. 122, no. 20, 204701. (3.105 - IF2004). (2005 - Current Contents, WOS, SCOPUS). ISSN 0021-9606.

Ohlasy:

[1.1] ANTIPOV, A.E. In *RUSSIAN JOURNAL OF PHYSICAL CHEMISTRY B*, 2014, vol. 8, pp. 752-759., WOS

[1.1] BAUER, M. - GODEC, A. - METZLER, R. In *PHYSICAL CHEMISTRY CHEMICAL PHYSICS*, 2014, vol. 16, pp. 6118-6128., WOS

[1.1] BEREZHKOVSII, A.M. Time scale separation leads to position-dependent diffusion along a slow coordinate. In *JOURNAL OF CHEMICAL PHYSICS*, 2011, VOL. 135, 074108., WOS

[1.1] BEREZHKOVSII, A.M. - DAGDUG, L. Analytical treatment of biased diffusion in tubes with periodic dead ends. *JOURNAL OF CHEMICAL PHYSICS*, 2011, VOL. 134, 124109., WOS

[1.1] BERNATE, J.A. - DRAZER, G. Stochastic and deterministic vector chromatography of suspended particle in one-dimensional periodic potentials. In

- PHYSICAL REVIEW LETTERS, vol. 108, 2012, 214501., WOS
- [1.1] CALERO, C.-FARAUDO, J.-AQUILELLA-ARZO, M. First-passage-time analysis of atomic-resolutions. In PHYSICAL REVIEW E, 2011, VOL. 83, 021908., WOS
- [1.1] DAGDUG, L.- PINEDA, I. Projection of two-dimensional diffusion in a curved midline and narrow varying width channel onto-the longitudinal dimension. In JOURNAL OF CHEMICAL PHYSICS, vol. 137, 2012, 024107., WOS
- [1.1] DAGDUG, L.-BEREZHKOVSKII, A.M.- MAKHNOVSKII, Yu.A. Communication. In JOURNAL OF CHEMICAL PHYSICS, 2011, VOL. 134, 101102., WOS
- [1.1] DAS, M.- RAY, D.S. In PHYSICAL REVIEW E, 2013, vol. 88, no. 3, 032122., WOS
- [1.1] DAS, M.- RAY, D.S. In PHYSICAL REVIEW E, 2013, vol. 87, no. 3, 032135., WOS
- [1.1] DAS, M.-MONDAL, D.-RAY, D.S. Shape fluctuation-induced dynamic hysteresis. In JOURNAL OF CHEMICAL PHYSICS, vol. 136, 2012, 114104., WOS
- [1.1] DAS, M.-MONDAL, D.-RAY, D.S. Logic gates for entropic transport. In PHYSICAL REVIEW E, vol. 86, 2012, 041112., WOS
- [1.1] FORTE, G. et al. In PHYSICAL REVIEW E, 2014, vol. 90, 062110., WOS
- [1.1] CHACON ACOSTA,G.- PINEDA,I.- DAGDUG,L. In AIP CONFERENCE PROCEEDINGS, 2014, vol. 1579, pp. 112-120., WOS
- [1.1] CHACON-ACOSTA, G. In JOURNAL OF CHEMICAL PHYSICS, 2013, vol. 139, 214115., WOS
- [1.1] LI, Z.R. Dispersive transport of biomolecules in periodic energy. In ELECTROPHORESIS, 2011, VOL. 32, NO. 5, P. 506-517., WOS
- [1.1] MAKHNOVSKII, Yu.A. Driven diffusion in a periodically compartmentalized tube. In JOURNAL OF PHYSICAL CHEMISTRY B, 2011, VOL. 115, NO. 14, P. 3992-4002., WOS
- [1.1] MALGARETTI,P.- PAGONABARRAGA,I.- RUBI,J.M. In EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS, 2014, vol. 223, pp. 3295-3309., WOS
- [1.1] MARTENS, S. Biased Brownian motion in extremely corrugated tubes. In CHAOS, 2011, VOL. 21, NO. 4, 047518., WOS
- [1.1] MARTENS, S. Entropic particle transport. In PHYSICAL REVIEW E, 2011, VOL. 83, 051135., WOS
- [1.1] MONDALL, D.-RAY DEB SHANKAR. Asymmetric stochastic localization in geometry. In JOURNAL OF CHEMICAL PHYSICS, 2011, VOL. 135, 194111., WOS
- [1.1] MON,K.K. In JOURNAL OF CHEMICAL PHYSICS, 2014, vol. 140, 184501., WOS
- [1.1] PINEDA, I.-ALVAREZ-RAMIREZ, J.-DAGDUG, L. Diffusion in two-dimensional conical varying width channels comparison of analytical and numerical results. In JOURNAL OF CHEMICAL PHYSICS, vol.137, 2012, 10.1063/1.4761826., WOS
- [1.1] PINEDA,I.- DAGDUG,L. In AIP CONFERENCE PROCEEDINGS, 2014, vol. 1579, pp. 121-129., WOS
- [1.1] PINEDA,I.- CHACON ACOSTA,G.- DAGDUG,L. In EUROPEAN

PHYSICAL JOURNAL-SPECIAL TOPICS, 2014, vol. 223, pp. 3045-3062., WOS

[1.1] SANDOVAL,M.-DAGDUG, L. In PHYSICAL REVIEW E, 2014, vol. 90, 062711., WOS

[1.1] SANTAMARIA-HOLEK, I.-GRZYWNA, Z.J.-RUBI, J.M. In EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS, 2013, vol. 222, p. 129-141., WOS

[1.1] TRAYTAK,S.D. In JOURNAL OF CHEMICAL PHYSICS, 2014, vol. 140, 224102., WOS

[1.1] VALDES-PARADA, F.J.-ALVAREZ-RAMIREZ, J. A volume averaging approach for asymmetric diffusion in porous media. In JOURNAL OF CHEMICAL PHYSICS, 2011, VOL. 134, 204709., WOS

[1.1] VALERO VALDES,C.- HERRERA GUZMAN,R. In PHYSICAL REVIEW E, 2014, vol. 90, 052141., WOS

[1.1] VALERO VALDES,C.- HERRERA GUZMAN,R. In JOURNAL OF MATHEMATICAL PHYSICS, 2014, vol. 55, 053509., WOS

ADCA436 KALINAY, Pavol. Rectification of confined diffusion driven by a sinusoidal force. In *Physical Review E*, 2014, vol. 89, 042123. (2.326 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 1539-3755.

Ohlasy:

[1.1] MALGARETTI, P.- PAZONABARRAGA, I.- RUBI, J.M. In EPJ-ST, 2014, vol. 223, pp. 3295., WOS

[1.2] AI, Bao Quan - HE, Ya Feng - ZHONG, Wei Rong. Entropic Ratchet transport of interacting active Brownian particles. In *Journal of Chemical Physics*. ISSN 00219606, 2014-01-01, 141, 19, 194111., SCOPUS

ADCA437 KALINAY, Pavol. Response to "Comment on 'Calculation of the mean first passage time tested on simple two-dimensional models'" [*J. Chem. Phys.* 128, 197102(2008)]. In *Journal of Chemical Physics*, 2008, vol. 128, no. 19, 197103. (3.044 - IF2007). (2008 - Current Contents). ISSN 0021-9606.

Ohlasy:

[1.1] DAS, Moupriya - MONDAL, Debasish - RAY, Deb Shankar. Logic gates for entropic transport. In *PHYSICAL REVIEW E*. ISSN 1539-3755, 2012, vol. 86, no. 4, 041112., WOS

[1.1] DAS, Moupriya - RAY, Deb Shankar. Chaos-induced dynamical hysteresis: Energetic and entropic barriers. In *PHYSICAL REVIEW E*. ISSN 1539-3755, 2013, vol. 87, no. 3, 032135., WOS

[1.1] DAS, Moupriya - RAY, Deb Shankar. Control of logic gates by dichotomous noise in energetic and entropic systems. In *PHYSICAL REVIEW E*. ISSN 1539-3755, 2013, vol. 88, no. 3, 032122., WOS

[1.1] MONDAL, Debasish - RAY, Deb Shankar. Asymmetric stochastic localization in geometry controlled kinetics. In *JOURNAL OF CHEMICAL PHYSICS*, 2011, vol.135, no.19, 194111., WOS

ADCA438 KALINAY, Pavol - PERCUS, J.K. Stretched Markov nature of single-file self-dynamics. In *Physical Review E*, 2007, vol. 76, no. 4, 041111. (2.438 - IF2006). (2007 - Current Contents). ISSN 1539-3755.

Ohlasy:

[1.1] FLOMENBOM, O. Clustering in anomalous files of independent

particles. In EPL, 2011, vol.94, no.5, 58001., WOS

[1.1] FLOMENBOM, O. In BIOPHYSICS REV. AND LETTERS, 2014, vol. 9, pp. 307., WOS

[1.1] LIZANA, Ludvig - LOMHOLT, Michael A. - AMBJORNSSON, Tobias. Single-file diffusion with non-thermal initial conditions. In PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS. ISSN 0378-4371, 2014, vol. 395, pp. 148-153., WOS

[1.1] NARASIMHAN, S. L. - BAUMGAERTNER, A. Dynamics of a stochastically driven Brownian particle in one dimension. In PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS. ISSN 0378-4371, 2012, vol. 391, no. 3, pp. 593., WOS

ADCA439 KALINAY, Pavol - MARKOŠ, Peter - ŠAMAJ, Ladislav - TRAVĚNEC, Igor. The Sixth-Moment Sum Rule for the Pair Correlations. In *Journal of Statistical Physics*, 2000, vol. 98, no. 3/4, p. 639-666. (1.192 - IF1999). ISSN 0022-4715/00.

Ohlasy:

[1.1] CAN, T. - LASKIN, M. - WIEGMANN, P. Fractional Quantum Hall Effect in a Curved Space: Gravitational Anomaly and Electromagnetic Response. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2014, vol. 113, no. 4, 046803., WOS

[1.1] TELLEZ, Gabriel - FORRESTER, Peter J. Expanded Vandermonde Powers and Sum Rules for the Two-Dimensional One-Component Plasma. In JOURNAL OF STATISTICAL PHYSICS. ISSN 0022-4715, 2012, vol. 148, no. 5, pp. 824-855., WOS

ADCA440 KALINAY, Pavol - ŠAMAJ, Ladislav. Thermodynamic properties of the two-dimensional coulomb gas in the low-density limit. In *Journal of Statistical Physics*, 2002, vol. 106, no. 5-6, p. 857-874. ISSN 0022-4715.

Ohlasy:

[1.1] FERRERO, Alejandro - TELLEZ, Gabriel. Screening of an electrically charged particle in a two-dimensional two-component plasma at $\Gamma=2$. In JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT. ISSN 1742-5468, 2014, P11021., WOS

ADCA441 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. (3.044 - IF2007). (2008 - Current Contents). ISSN 0021-9606.

Ohlasy:

[1.1] MON, K. K. Anisotropic diffusion in a two-dimensional model with obstruction and a comparison of mean first passage time calculations. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2014, vol. 140, no. 18, 184501., WOS

[1.1] MON, K. K. Comment on "Two definitions of the hopping time in a confined fluid of finite particles" [J. Chem. Phys. 129, 154117 (2008)]. In JOURNAL OF CHEMICAL PHYSICS, 2011, vol.134, no.13, 137101., WOS

ADCA442 KALINAY, Pavol. When is the next extending of Fick-Jacobs equation necessary ? In *Journal of Chemical Physics*, 2013, vol. 139, 054116. (3.164 - IF2012). (2013 - Current Contents). ISSN 0021-9606.

Ohlasy:

[1.1] GALANTI, Marta - FANELLI, Duccio - MARITAN, Amos - PIAZZA, Francesco. Diffusion of tagged particles in a crowded medium. In *EPL*. ISSN 0295-5075, 2014, vol. 107, no. 2, 20006., WOS

[1.1] TRAYTAK, Sergey D. Asymptotic solution of the diffusion equation in slender impermeable tubes of revolution. I. The leading-term approximation. In *JOURNAL OF CHEMICAL PHYSICS*. ISSN 0021-9606, 2014, vol. 140, no. 22, 224102., WOS

ADCA443 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. (0.826 - IF1997). (1998 - Current Contents, WOS, SCOPUS). ISSN 0370-1972.

Ohlasy:

[1.1] APLESNIN, Sergey - ROMANOVA, Oxana - HAR&APOS;KOV, Anton - BALAEV, Dmitrii - GOREV, Michail - VOROTINOV, Alexander - SOKOLOV, Vladimir - PICHUGIN, Andrey. Metal-semiconductor transition in SmxMn1-xS solid solutions. In *PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS*. ISSN 0370-1972, 2012, vol. 249, no. 4, pp. 812., WOS

ADCA444 KANAYA, T. - TSUKUSHI, T. - KAJI, K. - BARTOŠ, Josef - KRIŠTIAK, 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. (2.066 - IF1998). (1999 - Current Contents). ISSN 1539-3755.

Ohlasy:

[1.1] NGAI, K.L. Relaxation and Diffusion in Complex Systems. In *RELAXATION AND DIFFUSION IN COMPLEX SYSTEMS*. ISSN 0941-5114, 2011, p. 1-+., WOS

[1.1] NGAI, K.L. - HABASAKI, J. An alternative explanation of the change in T-dependence of the effective Debye-Waller factor at T-c or T-B. In *JOURNAL OF CHEMICAL PHYSICS*. ISSN 0021-9606, SEP 21 2014, vol. 141, no. 11., WOS

[1.1] NOBUKAWA, S. - URAKAWA, O. - SHIKATA, T. - INOUE, T. Cooperative Dynamics in Polystyrene and Low-Mass Molecule Mixtures. In *MACROMOLECULES*. ISSN 0024-9297, OCT 25 2011, vol. 44, no. 20, p. 8324-8332., WOS

[1.1] NOBUKAWA, S. - URAKAWA, O. - SHIKATA, T. - INOUE, T. Dynamics of a Probe Molecule Dissolved in Several Polymer Matrices with Different Side-Chain Structures: Determination of Correlation Length Relevant to Glass Transition. In *MACROMOLECULES*. ISSN 0024-9297, MAR 26 2013, vol. 46, no. 6, p. 2206-2215., WOS

[1.1] OTTOCHIAN, A. - LEPORINI, D. Universal scaling between structural relaxation and caged dynamics in glass-forming systems: Free volume and time scales. In *JOURNAL OF NON-CRYSTALLINE SOLIDS*. ISSN 0022-3093, JAN 15 2011, vol. 357, no. 2, SI, p. 298-301., WOS

[1.1] OTTOCHIAN, A. - LEPORINI, D. Scaling between structural relaxation and caged dynamics in $\text{Ca}_{0.4}\text{K}_{0.6}(\text{NO}_3)_{1.4}$ and glycerol: free volume, time-scales and implications for pressure-energy correlations. In *PHILOSOPHICAL MAGAZINE*. ISSN 1478-6435, 2011, vol. 91, no. 13-15, SI,

p. 1786-1795., WOS

[1.1] PRISK, T.R. - TYAGI, M. - SOKOL, P.E. Dynamics of small-molecule glass formers confined in nanopores. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, MAR 21 2011, vol. 134, no. 11., WOS

[1.1] RIBEIRO, M.C.C. Intermolecular vibrations and fast relaxations in supercooled ionic liquids. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, JUN 28 2011, vol. 134, no. 24., WOS

[1.1] SANDITOV, D.S. - SANGADIEV, S.S. - SHAGDAROV, V.B. Criterion of vitrification and cooling rate of vitreous melts. In GLASS PHYSICS AND CHEMISTRY. ISSN 1087-6596, JUL 2014, vol. 40, no. 4, p. 402-407., WOS

[1.2] SANDITOV, D.- SYDYKOV, B. Free volume of amorphous solids in the model of delocalized atoms. (2014) Physics and Chemistry of Glasses: European Journal of Glass Science and Technology Part B, 55 (2), p. 97-102., Scopus

ADCA445 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.

Ohlasy:

[1.1] DU, Xueyan - YAO, Ying - LIU, Jingbo. Structural architecture and magnetism control of metal oxides using surface grafting techniques. In JOURNAL OF NANOPARTICLE RESEARCH. ISSN 1388-0764, 2013, vol. 15, no. 7, UNSP 1731., WOS

[1.1] HORECHYY, Andriy - NANDAN, Bhanu - ZAFEIROPOULOS, Nikolaos E. - FORMANEK, Petr - OERTEL, Ulrich - BIGALL, Nadja C. - EYCHMUELLER, Alexander - STAMM, Manfred. A Step-Wise Approach for Dual Nanoparticle Patterning via Block Copolymer Self-Assembly. In ADVANCED FUNCTIONAL MATERIALS. ISSN 1616-301X, 2013, vol. 23, no. 4, pp. 483., WOS

[1.1] HORECHYY, Andriy - NANDAN, Bhanu - ZAFEIROPOULOS, Nikolaos E. - JEHNICHEN, Dieter - GOEBEL, Michael - STAMM, Manfred - POSPIECH, Doris. Nanoparticle directed domain orientation in thin films of asymmetric block copolymers. In COLLOID AND POLYMER SCIENCE. ISSN 0303-402X, 2014, vol. 292, no. 9, pp. 2249., WOS

[1.1] KROMMENHOEK, Peter J. - TRACY, Joseph B. Magnetic Field-Directed Self-Assembly of Magnetic Nanoparticle Chains in Bulk Polymers. In PARTICLE & PARTICLE SYSTEMS CHARACTERIZATION. ISSN 0934-0866, 2013, vol. 30, no. 9, pp. 759., WOS

[1.1] PLOSHNIK, Elina - LANGNER, Karol M. - HALEVI, Amit - BEN-LULU, Meirav - MUELLER, Axel H. E. - FRAAIJE, Johannes G. E. M. - SEVINK, G. J. Agur - SHENHAR, Roy. Hierarchical Structuring in Block Copolymer Nanocomposites through Two Phase-Separation Processes Operating on Different Time Scales. In ADVANCED FUNCTIONAL MATERIALS. ISSN 1616-301X, 2013, vol. 23, no. 34, pp. 4215., WOS

[1.1] RAMAN, V. - HATTON, T.A. - OLSEN, B.D. Kinetics of Magnetic Field-Induced Orientational Ordering in Block Copolymer/Superparamagnetic Nanoparticle Composites. In MACROMOLECULAR RAPID

COMMUNICATIONS. ISSN 1022-1336, DEC 2014, vol. 35, no. 23, p. 2005-2011., WOS

[1.1] YAO, Y. - METWALLI, E. - MOULIN, J.F. - SU, B. - OPEL, M. - MULLER-BUSCHBAUM, P. Self-Assembly of Diblock Copolymer-Maghemite Nanoparticle Hybrid Thin Films. In ACS APPLIED MATERIALS & INTERFACES. ISSN 1944-8244, OCT 22 2014, vol. 6, no. 20, p. 18152-18162., WOS

[1.2] LV, F.- XU, L.- XU, Z.- FU, L.- ZHANG, Y. Fabrication and characterization of the orientated mmt/pi composite films via relatively low magnetic field. (2014) Journal of Applied Polymer Science, 132 (1), art. no. 41224, DOI: 10.1002/app.41224, Scopus

ADCA446 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. (1.604 - IF2012). (2013 - Current Contents). ISSN 0040-6090.

Ohlasy:

[1.1] PLIATSIKAS, N. - SIOZIOS, A. - KASSAVETIS, S. - VOURLIAS, G. - PATSALAS, P. Optical properties of nanostructured Al-rich Al-1 (-) xTiN films. In SURFACE & COATINGS TECHNOLOGY. ISSN 0257-8972, 2014, vol. 257, pp. 63-69., WOS

ADCA447 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. (3.477 - IF2009). (2010 - Current Contents, SCOPUS). ISSN 0556-2813.

Ohlasy:

[1.1] DE FILIPPO, E. - PAGANO, A. Experimental effects of dynamics and thermodynamics in nuclear reactions on the symmetry energy as seen by the CHIMERA 4 pi detector. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2014, vol. 50, no. 2, 32., WOS

[1.1] LOMBARDO, I. N/Z effects on nuclear reactions near the multi-fragmentation threshold. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2012, vol. 127, no. 8, 88., WOS

[1.1] LOMBARDO, I. - ACOSTA, L. - AGODI, C. - AMORINI, F. - ANZALONE, A. - AUDITORE, L. - BERCEANU, I. - CARDELLA, G. - CHATTERJEE, M. B. - CAVALLARO, S. - DE FILIPPO, E. - GERACI, E. - GIULIANI, G. - GRASSI, L. - HAN, J. - LA GUIDARA, E. - LANZALONE, G. - LORIA, D. - MAIOLINO, C. - PAGANO, A. - PAPA, M. - PIRRONE, S. - POLITI, G. - PORTO, F. - RIZZO, F. - RUSSOTTO, P. - TRIFIRO, A. - TRIMARCHI, M. - VERDE, G. - VIGILANTE, M. The N/Z key role on the dynamics of medium mass nuclear systems near fragmentation threshold. In PHYSICA SCRIPTA. ISSN 0031-8949, 2012, vol. T150, 014023., WOS

[1.1] LOMBARDO, I. - ACOSTA, L. - AGODI, C. - AMORINI, F. - ANZALONE, A. - AUDITORE, L. - BERCEANU, I. - BUSCEMI, M. - CARDELLA, G. - CHATTERJEE, M. B. - DE FILIPPO, E. - GERACI, E. - GIULIANI, G. - GRASSI, L. - HAN, J. - LA GUIDARA, E. - LANZALONE, G.

- LORIA, D. - MAIOLINO, C. - MINNITI, T. - PAGANO, A. - PAPA, M. - PIRRONE, S. - POLITI, G. - PORTO, F. - RIZZO, F. - ROSATO, E. - RUSSOTTO, P. - SANTORO, S. - TRIFIRO, A. - TRIMARCHI, M. - VERDE, G. - VIGILANTE, M. - LI, BA - NATOWITZ, JB. Emission of fragments in Ca plus Ca reactions at 25 MeV/nucleon. In 11TH INTERNATIONAL CONFERENCE ON NUCLEUS-NUCLEUS COLLISIONS (NN2012). ISSN 1742-6588, 2013, vol. 420, 012094., WOS

[1.1] LOMBARDO, I. - ACOSTA, L. - AGODI, C. - AMORINI, F. - ANZALONE, A. - AUDITORE, L. - BERCEANU, I. - CARDELLA, G. - CHATTERJEE, M. B. - DE FILIPPO, E. - GERACI, E. - GIULIANI, G. - GRASSI, L. - HAN, J. - LA GUIDARA, E. - LANZALONE, G. - LORIA, D. - MAIOLINO, C. - MINNITI, T. - PAGANO, A. - PAPA, M. - PIRRONE, S. - POLITI, G. - PORTO, F. - RIZZO, F. - ROSATO, E. - RUSSOTTO, P. - TRIFIRO, A. - TRIMARCHI, M. - VERDE, G. - VIGILANTE, M. - GIARDINA, G. - NASIROV, AK - MANDAGLIO, G. Entrance channel effects in medium mass nuclear systems at 25 MeV/nucleon. In INTERNATIONAL SYMPOSIUM ON ENTRANCE CHANNEL EFFECT ON THE REACTION MECHANISM IN HEAVY ION COLLISIONS. ISSN 1742-6588, 2014, vol. 515, 012013., WOS

[1.1] SU, Jun - ZHANG, Feng-Shou - BIAN, Bao-An. Odd-even effect in heavy-ion collisions at intermediate energies. In PHYSICAL REVIEW C, 2011, vol.83, no.1, 014608., WOS

[1.1] SU, Jun - ZHANG, Feng-Shou. Non-equilibrium and residual memory in momentum space of fragmenting sources in central heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 0556-2813, 2013, vol. 87, no. 1, 017602., WOS

ADCA448 KEPAPTSOGLOU, D.M. - POLYCHRONIADIS, G. - EFTHIMIADIS, K.G. - ŠVEC, Peter - HRISTOFOROU, E. Electron microscopy study of (Fe-Co)-Nb-Si-B alloys. In *Journal of Optoelectronics and Advanced Materials*, 2006, vol. 8, no. 5, pp. 1775-1779. ISSN 1454-4164.

Ohlasy:

[1.1] EVANGELOS, Rizos . Nanostructured Magnetic Materials for Applications in Electrical Machines. In KEY ENGINEERING MATERIALS, 2014, vol. 605, pp. 669-672., WOS

[1.1] VAROUTI, Eirini - HRISTOFOROU, E - VLACHOS, DS. Characterization of amorphous, magnetic Fe-Si-B ribbons. In KEY ENGINEERING MATERIALS, 2013, vol. 543, pp. 476-478., WOS

[1.1] VAROUTI, Eirini. Preparation and crystallization kinetics of FeSiB amorphous ribbons under non-isothermal regime. In KEY ENGINEERING MATERIALS, 2014, vol. 605, pp. 35-38., WOS

ADCA449 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] VAROUTI, Eirini. Preparation and crystallization kinetics of FeSiB amorphous ribbons under non-isothermal regime. In KEY ENGINEERING MATERIALS, 2014, vol. 605, pp. 35-38., WOS

ADCA450 KEPAPTSOGLOU, D.M. - EFTHIMIADIS, K. - ŠVEC, Peter - HRISTOFOROU, E. Magnetotransport studies in $(\text{Fe}_x\text{Co}_y)(73)\text{Nb}(7)\text{Si}(5)\text{B}(15)$ ribbons. In *Journal of Magnetism and Magnetic Materials*, 2006, vol. 304, no. 2, e583-E585. (0.985 - IF2005). (2006 - Current Contents, WOS, SCOPUS). ISSN 0304-8853.

Ohlasy:

[1.1] KISS, L. F. - FRANCO, V. - CSONTOS, M. - PETER, L. - CONDE, C. F. - CONDE, A. - KEMENY, T. - TOTH, J. - VARGA, L. K. - BAKONYI, I. Analysis of the magnetoresistance contributions in a nanocrystallized Cr-doped FINEMET alloy. In *JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS*, 2011, vol.323, no.6, 699-707., WOS

[1.1] VAROUTI, Eirini - HRISTOFOROU, E - VLACHOS, DS. Characterization of amorphous, magnetic Fe-Si-B ribbons. In *MATERIALS AND APPLICATIONS FOR SENSORS AND TRANSDUCERS II*. ISSN 1013-9826, 2013, vol. 543, pp. 476., WOS

ADCA451 KEPAPTSOGLOU, D.M. - PALUGA, Marek - DEANKO, Martin - MÜLLER, Dušan - CONDE, C.F. - HRISTOFOROU, E. - JANIČKOVIČ, Dušan - ŠVEC, Peter. Peculiarities of nanocrystal formation in rapidly quenched $(\text{FeCo})\text{MoCuB}$ amorphous alloys. In *Journal of Microscopy*, 2006, vol. 223, p. 288-291.

Ohlasy:

[1.1] VAROUTI, Eirini - HRISTOFOROU, E - VLACHOS, DS. Characterization of amorphous, magnetic Fe-Si-B ribbons. In *MATERIALS AND APPLICATIONS FOR SENSORS AND TRANSDUCERS II*. ISSN 1013-9826, 2013, vol. 543, pp. 476-478., WOS

[1.1] VAROUTI, Eirini - HRISTOFOROU, E - VLACHOS, DS. Preparation and crystallization kinetics of FeSiB amorphous ribbons under non-isothermal regime. In *MATERIALS AND APPLICATIONS FOR SENSORS AND TRANSDUCERS III*. ISSN 1013-9826, 2014, vol. 605, pp. 35-38., WOS

ADCA452 KHINCHI, S.S. - MODAK, S.S. - KRAUS, L. - ŠVEC, Peter - MAZALEYRAT, F. - KANE, S.N. Influence of Co content and thermal annealing on structural, magnetic and magneto elastic properties of nanocrystalline Fe-Co-Nb-B alloys. In *Physica B*, 2010, vol. 405, p. 2803-2806. (1.056 - IF2009). (2010 - Current Contents). ISSN 0921-4526.

Ohlasy:

[1.1] HASIAK, Mariusz - MIGLIERINI, Marcel - LUKIEWSKI, Mirosław - KALETA, Jerzy. Microstructure, Magnetic Properties, and Applications of Co-Rich HITPERM-Type Amorphous Alloys. In *IEEE TRANSACTIONS ON MAGNETICS*. ISSN 0018-9464, 2012, vol. 48, no. 4, pp. 1665., WOS

[1.1] YANG, W. M. - LIU, H. S. - DUN, C. C. - ZHAO, Y. C. - DOU, L. M. Determine optimal annealing temperature of Fe based nanocrystalline alloys from their melting point. In *MATERIALS SCIENCE AND TECHNOLOGY*. ISSN 0267-0836, 2012, vol. 28, no. 12, pp. 1465., WOS

[1.1] YU, Youxing - YANG, Youran - SHAN, Yijiao - BI, Xiaofang. Abnormal substrate temperature dependent out-of-plane anisotropy in FeCoNbB amorphous films. In *APPLIED PHYSICS LETTERS*. ISSN 0003-6951, 2012, vol. 101, no. 23, 232408., WOS

[1.2] GAUTAM, Sanjeev - KANE, Shanshank N. - PARK, B.G. - KIM, J.Y.

- VARGA, L. K. - SONG, J.H. - CHAE, Keun Hwa. XAS and XMCD studies of amorphous FeCo-based ribbons. In JOURNAL OF NON-CRYSTALLINE SOLIDS, 2011, vol.357, no.11-13, 2228., WOS

ADCA453 KIEFEROVÁ, Mária - NAGAJ, Daniel. Quantum walks on necklaces and mixing. In *International Journal of Quantum Information*, 2012, vol. 10, no. 2, 1250025. (0.670 - IF2011). (2012 - Current Contents). ISSN 0219-7499.

Ohlasy:

[1.1] ELIAS VENEGAS-ANDRACA, Salvador. Quantum walks: a comprehensive review. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2012, vol. 11, no. 5, pp. 1015., WOS

ADCA454 KIM, M.S. - LEE, K.S. - BUŽEK, Vladimír. Amplification of superposition states in phase-sensitive amplifiers. In *Physical Review A*, 1993, vol. 48, no. 5, p. 4302-4307. ISSN 1050-2947.

Ohlasy:

[1.1] DODONOV, V. V. - VALVERDE, C. - SOUZA, L. S. - BASEIA, B. Classicalization times of parametrically amplified "Schrodinger cat" states coupled to phase-sensitive reservoirs. In PHYSICS LETTERS A, 2011, vol.375, no.42, 3668., WOS

ADCA455 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.

Ohlasy:

[1.1] ABDEL-KHALEK, S. - BERRADA, K. - OOI, C. H. Raymond. Beam splitter entangler for nonlinear bosonic fields. In LASER PHYSICS. ISSN 1054-660X, 2012, vol. 22, no. 9, pp. 1449., WOS

[1.1] ALLEVI, Alessia - LAMPERTI, Marco - BONDANI, Maria - PERINA, Jan - MICHALEK, Vaclav - HADERKA, Ondrej - MACHULKA, Radek. Characterizing the nonclassicality of mesoscopic optical twin-beam states. In PHYSICAL REVIEW A. ISSN 1050-2947, 2013, vol. 88, no. 6, 063807., WOS

[1.1] BANDYOPADHYAY, Abir - PRABHAKAR, Shashi - SINGH, Ravindra Pratap. Entanglement of a quantum optical elliptic vortex. In PHYSICS LETTERS A, 2011, vol.375, no.19, 1926., WOS

[1.1] BANDYOPADHYAY, Abir - PRABHAKAR, Shashi - SINGH, R. P. - HOME, D - KAR, G - MAJUMDAR, AS. Wigner Distribution Function and Entanglement of Quantum Optical Elliptical Vortex. In 75 YEARS OF QUANTUM ENTANGLEMENT: FOUNDATIONS AND INFORMATION THEORETIC APPLICATIONS, 2011, vol.1384, no., 177., WOS

[1.1] BAR-GILL, Nir - GROSS, Christian - MAZETS, Igor - OBERTHALER, Markus - KURIZKI, Gershon. Einstein-Podolsky-Rosen Correlations of Ultracold Atomic Gases. In PHYSICAL REVIEW LETTERS, 2011, vol.106, no.12., WOS

[1.1] BERRADA, K. - ABDEL-KHALEK, S. - ELEUCH, H. - HASSOUNI, Y. Beam splitting and entanglement generation: excited coherent states. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2013, vol. 12, no. 1, pp. 69., WOS

[1.1] BERRADA, K. - AL-RAJHI, M. A. Improving and Controlling

Quantum Entanglement from Excited Barut-Girardello Coherent States via Unitary Beam Splitters. In JOURNAL OF RUSSIAN LASER RESEARCH. ISSN 1071-2836, 2013, vol. 34, no. 5, pp. 409., WOS

[1.1] BERRADA, K. - BENMOUSSA, A. - HASSOUNI, Y. Entanglement generation with deformed Barut-Girardello coherent states as input states in an unitary beam splitter. In QUANTUM INFORMATION PROCESSING, 2011, vol.10, no.5, 575., WOS

[1.1] BRIDA, G. - DEGIOVANNI, I. P. - GENOVESE, M. - MEDA, A. - OLIVARES, S. - PARIS, M. The illusionist game and hidden correlations. In PHYSICA SCRIPTA. ISSN 0031-8949, 2013, vol. T153, 014006., WOS

[1.1] BROUGHAM, T. - KOST&APOS;AK, V. - JEX, I. - ANDERSSON, E. - KISS, T. Entanglement preparation using symmetric multiports. In EUROPEAN PHYSICAL JOURNAL D, 2011, vol.61, no.1, 231., WOS

[1.1] COOPER, Merlin - WRIGHT, Laura J. - SOELLER, Christoph - SMITH, Brian J. Experimental generation of multi-photon Fock states. In OPTICS EXPRESS. ISSN 1094-4087, 2013, vol. 21, no. 5, pp. 5309., WOS

[1.1] DAOUD, M. - CHOUBABI, E. B. Entangled phase states via quantum beam splitter. In OPTICS COMMUNICATIONS, 2011, vol.284, no.19, 4535., WOS

[1.1] DAOUD, M. - CHOUBABI, E. B. BIPARTITE ENTANGLEMENT OF MULTIPARTITE COHERENT STATES USING QUANTUM NETWORK OF BEAM SPLITTERS. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION. ISSN 0219-7499, 2012, vol. 10, no. 1, 1250009., WOS

[1.1] DAOUD, M. - JELLAL, A. - CHOUBABI, E. B. - EL KINANI, E. H. Bipartite and tripartite entanglement of truncated harmonic oscillator coherent states via beam splitters. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL, 2011, vol.44, no.32., WOS

[1.1] de Sa NETO, O.P. In PHYSICAL REVIEW A, 2014, vol. 90, 023843., WOS

[1.1] DELANTY, Michael - OSTRIKOV, Kostya. Steady state genuine multipartite entanglement in harmonic oscillator ensembles with a common environment. In EUROPEAN PHYSICAL JOURNAL D. ISSN 1434-6060, 2013, vol. 67, no. 9, 193., WOS

[1.1] Di CANDIA, R. In NEW JOURNAL OF PHYSICS, 2014, vol. 16, 015001., WOS

[1.1] GEHRKE, C. - SPERLING, J. - VOGEL, W. Quantification of nonclassicality. In PHYSICAL REVIEW A. ISSN 1050-2947, 2012, vol. 86, no. 5, 052118., WOS

[1.1] GE, Wenchao - AL-AMRI, M. - NHA, Hyunchul - ZUBAIRY, M. Suhail. Entanglement of movable mirrors in a correlated emission laser via cascade-driven coherence. In PHYSICAL REVIEW A. ISSN 1050-2947, 2013, vol. 88, no. 5, 052301., WOS

[1.1] GE, Wenchao - AL-AMRI, Mohammad - NHA, Hyunchul - ZUBAIRY, M. Suhail. Entanglement of movable mirrors in a correlated-emission laser. In PHYSICAL REVIEW A. ISSN 1050-2947, 2013, vol. 88, no. 2, 022338., WOS

[1.1] HOSSEINI, S. In JOURNAL OF PHYSICS A, 2014, vol. 47, 025503., WOS

[1.1] CHEN, Y. F. Geometry of classical periodic orbits and quantum coherent states in coupled oscillators with SU(2) transformations. In PHYSICAL

REVIEW A, 2011, vol.83, no.3., WOS

[1.1] IVAN, J. Solomon - CHATURVEDI, S. - ERCOLESSI, E. - MARMO, G. - MORANDI, G. - MUKUNDA, N. - SIMON, R. Entanglement and nonclassicality for multimode radiation-field states. In PHYSICAL REVIEW A, 2011, vol.83, no.3., WOS

[1.1] IVAN, J. Solomon - SABAPATHY, Krishna Kumar - SIMON, R. Operator-sum representation for bosonic Gaussian channels. In PHYSICAL REVIEW A, 2011, vol.84, no.4., WOS

[1.1] IVAN, J. Solomon - SABAPATHY, Krishna Kumar - SIMON, R. Nonclassicality breaking is the same as entanglement breaking for bosonic Gaussian channels. In PHYSICAL REVIEW A. ISSN 1050-2947, 2013, vol. 88, no. 3, 032302., WOS

[1.1] JIANG, Zhang - LANG, Matthias D. - CAVES, Carlton M. Mixing nonclassical pure states in a linear-optical network almost always generates modal entanglement. In PHYSICAL REVIEW A. ISSN 1050-2947, 2013, vol. 88, no. 4, 044301., WOS

[1.1] JOSHI, Chaitanya - JONSON, Mats - OHBERG, Patrik - ANDERSSON, Erika. Constructive role of dissipation for driven coupled bosonic modes. In PHYSICAL REVIEW A. ISSN 1050-2947, 2013, vol. 87, no. 6, 062304., WOS

[1.1] KANG, Minsu - KIM, M. S. - JEONG, Hyunseok. Production of entanglement with highly mixed states. In PHYSICAL REVIEW A. ISSN 1050-2947, 2012, vol. 85, no. 4, 044301., WOS

[1.1] KHASHAMI, F. - MALEKI, Y. - BERRADA, K. Entanglement Degree of Finite-Dimensional Pair Coherent States. In JOURNAL OF RUSSIAN LASER RESEARCH. ISSN 1071-2836, 2013, vol. 34, no. 4, pp. 388., WOS

[1.1] KILIN, S. Ya. - MIKHALYCHEV, A. B. Optical qudit-type entanglement creation at long distances by means of small cross-Kerr nonlinearities. In PHYSICAL REVIEW A, 2011, vol.83, no.5., WOS

[1.1] MENZEL, E. P. - DI CANDIA, R. - DEPPE, F. - EDER, P. - ZHONG, L. - IHMIG, M. - HAEBERLEIN, M. - BAUST, A. - HOFFMANN, E. - BALLESTER, D. - INOMATA, K. - YAMAMOTO, T. - NAKAMURA, Y. - SOLANO, E. - MARX, A. - GROSS, R. Path Entanglement of Continuous-Variable Quantum Microwaves. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2012, vol. 109, no. 25, 250502., WOS

[1.1] MESLOUHI, A. - HASSOUNI, Y. A quantum secure direct communication protocol using entangled modified spin coherent states. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2013, vol. 12, no. 7, pp. 2603., WOS

[1.1] MISHRA, Devendra Kumar. Unambiguous discrimination of two squeezed states using probabilistic quantum cloning. In OPTICS COMMUNICATIONS. ISSN 0030-4018, 2012, vol. 285, no. 6, pp. 1560., WOS

[1.1] MISTA, Ladislav. Entanglement sharing with separable states. In PHYSICAL REVIEW A. ISSN 1050-2947, 2013, vol. 87, no. 6, 062326., WOS

[1.1] NAMIKI, Ryo. Photonic families of non-Gaussian entangled states and entanglement criteria for continuous-variable systems. In PHYSICAL REVIEW A. ISSN 1050-2947, 2012, vol. 85, no. 6, 062307., WOS

[1.1] NIEDENZU, Wolfgang - SANDNER, Raimar M. - GENES, Claudiu - RITSCH, Helmut. Quantum-correlated motion and heralded entanglement of distant optomechanically coupled objects. In JOURNAL OF PHYSICS

B-ATOMIC MOLECULAR AND OPTICAL PHYSICS. ISSN 0953-4075, 2012, vol. 45, no. 24, 245501., WOS

[1.1] OHYA, Masanori - VOLOVICH, Igor. Mathematical Foundations of Quantum Information and Computation and Its Applications to Nano- and Bio-systems. In MATHEMATICAL FOUNDATIONS OF QUANTUM INFORMATION AND COMPUTATION AND ITS APPLICATIONS TO NANO- AND BIO-SYSTEMS, 2011, 1., WOS

[1.1] OLIVARES, Stefano - PARIS, Matteo G. A. Fidelity Matters: The Birth of Entanglement in the Mixing of Gaussian States. In PHYSICAL REVIEW LETTERS, 2011, vol.107, no.17., WOS

[1.1] OLIVARES, Stefano. DYNAMICS OF QUANTUM CORRELATIONS OF TWO INTERFERING BIPARTITE GAUSSIAN STATES. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION, 2011, vol.9, no.7-8, 1727., WOS

[1.1] OLIVARES, Stefano. INTERFERENCE OF MULTI-MODE GAUSSIAN STATES AND "NON APPEARANCE" OF QUANTUM CORRELATIONS. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION. ISSN 0219-7499, 2012, vol. 10, no. 8, 1241004., WOS

[1.1] PAAVOLA, Janika - HALL, Michael J. W. - PARIS, Matteo G. A. - MANISCALCO, Sabrina. Finite-time quantum-to-classical transition for a Schrodinger-cat state. In PHYSICAL REVIEW A, 2011, vol.84, no.1., WOS

[1.1] PRADO, F. O. - LUIZ, F. S. - VILLAS-BOAS, J. M. - ALCALDE, A. M. - DUZZIONI, E. I. - SANZ, L. Atom-mediated effective interactions between modes of a bimodal cavity. In PHYSICAL REVIEW A, 2011, vol.84, no.5., WOS

[1.1] PRAKASH, Hari - KUMAR, Pankaj. Non-classical properties of superposition of two coherent states having phase difference ϕ . In OPTIK, 2011, vol.122, no.12, 1058., WOS

[1.1] PRUDENCIO, Thiago - CIRILO-LOMBARDO, Diego Julio. ENTANGLEMENT AND NON-TRIVIAL TOPOLOGIES. In INTERNATIONAL JOURNAL OF GEOMETRIC METHODS IN MODERN PHYSICS. ISSN 0219-8878, 2013, vol. 10, no. 9, 1350040., WOS

[1.1] RAHIMI-KESHARI, Saleh - KIESEL, Thomas - VOGEL, Werner - GRANDI, Samuele - ZAVATTA, Alessandro - BELLINI, Marco. Quantum Process Nonclassicality. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2013, vol. 110, no. 16, 160401., WOS

[1.1] RESLEN, J. Operator folding and matrix product states in linearly-coupled bosonic arrays. In REVISTA MEXICANA DE FISICA. ISSN 0035-001X, 2013, vol. 59, no. 5, pp. 482., WOS

[1.1] SUDA, M. - PACHER, C. - PEEV, M. - DUSEK, M. - HIPPEL, F. Quantum interference of photons in simple networks. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2013, vol. 12, no. 5, pp. 1915., WOS

[1.1] SUDHIR, Vivishek - GENONI, Marco G. - LEE, Jinhyoung - KIM, M. S. Critical behavior in ultrastrong-coupled oscillators. In PHYSICAL REVIEW A. ISSN 1050-2947, 2012, vol. 86, no. 1, 012316., WOS

[1.1] TAHIRA, Rabia - IKRAM, Manzoor - NHA, Hyunchul - ZUBAIRY, M. Suhail. Gaussian-state entanglement in a quantum beat laser. In PHYSICAL REVIEW A, 2011, vol.83, no.5., WOS

- [1.1] TANAKA, Yoshiharu - ASANO, Masanari - OHYA, Masanori. QUANTUM TELEPORTATION FOR NONMAXIMAL ENTANGLED STATES IN THE GENERALIZED BELL MEASUREMENT WITH LATIN SQUARE. In REPORTS ON MATHEMATICAL PHYSICS. ISSN 0034-4877, 2012, vol. 69, no. 1, pp. 57., WOS
- [1.1] TAN, Hua-tang - HUANG, He. Bright quadripartite entanglement from competing $\chi^{(2)}$ nonlinearities. In PHYSICAL REVIEW A, 2011, vol.83, no.1., WOS
- [1.1] TAN, Hua-Tang - ZHANG, Wei-Min. Non-Markovian dynamics of an open quantum system with initial system-reservoir correlations: A nanocavity coupled to a coupled-resonator optical waveguide. In PHYSICAL REVIEW A, 2011, vol.83, no.3., WOS
- [1.1] WANG YUE-YUAN - LIU ZHENG-JUN - LIAO QING-HONG - WANG JI-CHENG - LIU SHU-TIAN. Decoherence of elliptical states in phase space. In CHINESE PHYSICS B, 2011, vol.20, no.5., WOS
- [1.1] WANG, Jin. A comparative study of the P and Q representations of a feedback controlled two-qubit system. In PHYSICS LETTERS A, 2011, vol.375, no.18, 1860., WOS
- [1.1] WANG, Shuai - FAN, Hong-yi. Statistical properties of the squeezing-enhanced thermal state. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS. ISSN 0740-3224, 2012, vol. 29, no. 1, pp. 15., WOS
- [1.1] WANG, Shuai - XU, Xue-xiang - YUAN, Hong-chun - HU, Li-yun - FAN, Hong-yi. Coherent operation of photon subtraction and addition for squeezed thermal states: analysis of nonclassicality and decoherence. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS, 2011, vol.28, no.9, 2149., WOS
- [1.1] WANG, Taofen - LI, Shaoxin - ZHU, Kaicheng - ZHENG, Xiaojuan - TANG, Huiqin. Engineering Two-Mode Non-Gaussian States with Vortex Structures Using a Beam Splitter. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2012, vol. 51, no. 12, pp. 3861., WOS
- [1.1] XIANG, S. H. - LU, D. H. - SONG, K. H. Three-step approach to Fokker-Planck equation for an interacting open waveguide system and localizable entanglement dynamics. In EUROPEAN PHYSICAL JOURNAL D. ISSN 1434-6060, 2012, vol. 66, no. 12, 311., WOS
- [1.1] YANG, Xihua - ZHOU, Yuanyuan - XIAO, Min. Entangler via electromagnetically induced transparency with an atomic ensemble. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2013, vol. 3, 3479., WOS
- [1.1] YOUN, Sun-Hyun. Engineering vacuum-evacuated photonic states with three input beams and two detectors. In JOURNAL OF THE KOREAN PHYSICAL SOCIETY. ISSN 0374-4884, 2013, vol. 63, no. 8, pp. 1559., WOS
- [1.1] YUKAWA, Mitsuyoshi - MIYATA, Kazunori - YONEZAWA, Hidehiro - MAREK, Petr - FILIP, Radim - FURUSAWA, Akira. Emulating quantum cubic nonlinearity. In PHYSICAL REVIEW A. ISSN 1050-2947, 2013, vol. 88, no. 5, 053816., WOS
- [1.1] ZHANG, Ye-Qi - XU, Jing-Bo. Entanglement swapping with non-Gaussian resources. In JOURNAL OF MODERN OPTICS, 2011, vol.58, no.7, 593., WOS
- [1.2] ATAMAN, Stefan. Field operator transformations in quantum optics

using a novel graphical method with applications to beam splitters and interferometers. In European Physical Journal D. ISSN 14346060, 2014-10-01, 68, 10, 288., SCOPUS

[1.2] BERRADA, K. - BERRADA, K. - BERRADA, K. Maximal entanglement from photon-added nonlinear coherent states via unitary beam splitters. In Chinese Physics B. ISSN 16741056, 2014-02-01, 23, 2, 024208., SCOPUS

[1.2] DELANTY, Michael - DELANTY, Michael - OSTRIKOV, Kostya. Steady state genuine multipartite entanglement in harmonic oscillator ensembles with a common environment. In European Physical Journal D. ISSN 14346060, 2014-01-01, 67, 9., SCOPUS

[1.2] GRÜNWALD, P. - VOGEL, W. Quantum-entangled light from localized emitters. In Physical Review A Atomic, Molecular, and Optical Physics. ISSN 10502947, 2014-08-28, 90, 2, 022334., SCOPUS

[1.2] KILLORAN, N. - CRAMER, M. - PLENIO, M. B. Extracting entanglement from identical particles. In Physical Review Letters. ISSN 00319007, 2014-04-15, 112, 15., SCOPUS

[1.2] KÜHN, B. - VOGEL, W. Visualizing nonclassical effects in phase space. In Physical Review A Atomic, Molecular, and Optical Physics. ISSN 10502947, 2014-09-15, 90, 3, 033821., SCOPUS

[1.2] METWALLY, N. - METWALLY, N. - ELEUCH, H. - ABDEL-ATY, M. - ABDEL-ATY, M. - ABDEL-ATY, M. Information under lorentz transformation. In Communications in Theoretical Physics. ISSN 02536102, 2014-01-01, 61, 1, pp. 32-36., SCOPUS

[1.2] PANDEY, Deepak - SATAPATHY, Nandan - SURYABRAHMAM, Buti - IVAN, J. Solomon - RAMACHANDRAN, Hema. Classical light sources with tunable temporal coherence and tailored photon number distributions. In European Physical Journal Plus. ISSN 21905444, 2014-01-01, 129, 6, 115., SCOPUS

[1.2] SIVAKUMAR, S. Truncated Coherent States and Photon-Addition. In International Journal of Theoretical Physics. ISSN 00207748, 2014-01-01, 53, 5, pp. 1697-1709., SCOPUS

[1.2] TAN, Qing Shou - TAN, Qing Shou - LIAO, Jie Qiao - WANG, Xiaoguang - NORI, Franco - NORI, Franco. Enhanced interferometry using squeezed thermal states and even or odd states. In Physical Review A Atomic, Molecular, and Optical Physics. ISSN 10502947, 2014-05-15, 89, 5, 053822., SCOPUS

[1.2] VOGEL, W. - SPERLING, J. Unified quantification of nonclassicality and entanglement. In Physical Review A Atomic, Molecular, and Optical Physics. ISSN 10502947, 2014-05-07, 89, 5, 052302., SCOPUS

[1.2] YOUN, Sun Hyun. Conditional generation scheme for a high-purity superposed state of single and two-photon states by mixing two coherent beams with squeezed vacuum states. In Journal of the Korean Physical Society. ISSN 03744884, 2014-02-25, 64, 2, pp. 217-225., SCOPUS

ADCA456 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.

Ohlasy:

[1.1] BHATTACHARYA, Samyadeb - ROY, Sisir. Preservation of

coherence for a two-level atom tunneling through a squeezed vacuum with finite bandwidth. In ANNALS OF PHYSICS. ISSN 0003-4916, 2014, vol. 348, no., pp. 15., WOS

[1.1] MENG, Xiang-guo - WANG, Zhen - FAN, Hong-yi - WANG, Ji-suo. Squeezed number state and squeezed thermal state: decoherence analysis and nonclassical properties in the laser process. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS. ISSN 0740-3224, 2012, vol. 29, no. 7, pp. 1835., WOS

[1.1] MIRANOWICZ, Adam - BAJER, Jiri - PAPRZYCKA, Malgorzata - LIU, Yu-xi - ZAGOSKIN, Alexandre M. - NORI, Franco. State-dependent photon blockade via quantum-reservoir engineering. In PHYSICAL REVIEW A. ISSN 1050-2947, 2014, vol. 90, no. 3, 033831., WOS

[1.1] OMKAR, S. - SRIKANTH, R. - BANERJEE, Subhashish. Dissipative and non-dissipative single-qubit channels: dynamics and geometry. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2013, vol. 12, no. 12, pp. 3725., WOS

ADCA457 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.

Ohlasy:

[1.1] ASJAD, Muhammad - VITALI, David. Reservoir engineering of a mechanical resonator: generating a macroscopic superposition state and monitoring its decoherence. In JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS. ISSN 0953-4075, 2014, vol. 47, no. 4, 045502., WOS

[1.1] BANDYOPADHYAY, Malay. Role of environment and confinement in quantum dissipative dynamics: A pedestrian approach. In PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS. ISSN 0378-4371, 2012, vol. 391, no. 12, pp. 3399., WOS

[1.1] BAN, Masashi - KITAJIMA, Sachiko - SHIBATA, Fumiaki. Quadrature operators with arbitrary phase and applications to phase-space distribution and quantum communication. In JOURNAL OF MODERN OPTICS. ISSN 0950-0340, 2014, vol. 61, no. 7, pp. 582., WOS

[1.1] DODONOV, V.V. Classicalization times. In PHYSICS LETTERS, 2011, vol. 375, P. 3668., WOS

[1.1] FILIP, Radim. Gaussian quantum adaptation of non-Gaussian states for a lossy channel. In PHYSICAL REVIEW A. ISSN 1050-2947, 2013, vol. 87, no. 4, 042308., WOS

[1.1] HU, Li-Yun - DUAN, Zheng-Lu - XU, Xue-Xiang - WANG, Zi-Sheng. Wigner function evolution in a self-Kerr medium derived by entangled state representation. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL, 2011, vol.44, no.19., WOS

[1.1] LEE, Chang-Woo - JEONG, Hyunseok. Quantification of Macroscopic Quantum Superpositions within Phase Space. In PHYSICAL REVIEW LETTERS, 2011, vol.106, no.22., WOS

[1.1] MENG, Xiang-guo - WANG, Zhen - FAN, Hong-yi - WANG, Ji-suo. Squeezed number state and squeezed thermal state: decoherence analysis and nonclassical properties in the laser process. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS. ISSN 0740-3224, 2012, vol.

29, no. 7, pp. 1835., WOS

[1.1] MOHAMMADBEIGI, A. - TAVASSOLY, M. K. The decoherence of the quantum excitation of even/odd coherent states in a photon-loss channel. In JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS. ISSN 0953-4075, 2014, vol. 47, no. 16, 165502., WOS

[1.1] PARK, Kimin - JEONG, Hyunseok - RALPH, T - LAM, PK. Entangled coherent states versus entangled photon pairs for quantum information processing under photon loss effects. In QUANTUM COMMUNICATION, MEASUREMENT AND COMPUTING (QCMC): THE TENTH INTERNATIONAL CONFERENCE, 2011, vol.1363., WOS

[1.1] PARK, Kimin - LEE, Seung-Woo - JEONG, Hyunseok. Quantum teleportation between particlelike and fieldlike qubits using hybrid entanglement under decoherence effects. In PHYSICAL REVIEW A. ISSN 1050-2947, 2012, vol. 86, no. 6, 062301., WOS

[1.1] REN, Gang - DU, Jian-ming. A Theoretical Solution for a Nonlinear Master Equation. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2012, vol. 51, no. 8, pp. 2594., WOS

[1.1] SUBEESH, T. - SUDHIR, Vivishek. Phase properties of operator valued measures in phase space. In JOURNAL OF MODERN OPTICS. ISSN 0950-0340, 2013, vol. 60, no. 6, pp. 503., WOS

[1.1] TAPIA, O. Quantum photonic base states: concept and molecular modeling. Managing chemical process descriptions beyond semi-classic schemes. In JOURNAL OF MOLECULAR MODELING. ISSN 1610-2940, 2014, vol. 20, no. 2, 2110., WOS

[1.1] WEI, Chao-Ping - XIE, Fang-Sen - ZHANG, Hao-Liang - HU, Li-Yun. Decoherence of Photon-Added Schrodinger Cat States in Thermal Environment. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2013, vol. 52, no. 3, pp. 798., WOS

[1.1] XU, Li-juan - TAN, Guo-bin - MA, Shan-jun. Nonclassicality and decoherence of two-mode photon-added squeezed vacuum. In OPTICS COMMUNICATIONS, 2011, vol.284, no.13, 3335., WOS

[1.1] XU, Y. Y. A unified measure of macroscopic quantum superposition. In PHYSICA SCRIPTA. ISSN 0031-8949, 2013, vol. 88, no. 5, 055005., WOS

ADCA458 KIM, S. - OLEJNÍK, Štefan. Bias and precision of measures of association for a fixed-effect multivariate analysis of variance model. In *Multivariate Behavioral Research*, 2005, vol. 40, no. 4, pp. 401-421. ISSN 0027-3171.

Ohlasy:

[1.1] GRISSOM, RJ - KIM, JJ. Effect Sizes for Research: Univariate and Multivariate Applications, 2nd Edition. In EFFECT SIZES FOR RESEARCH: UNIVARIATE AND MULTIVARIATE APPLICATIONS, 2ND EDITION, 2012, pp. 1-434., WOS

ADCA459 KLINOVAJA, J. - STAŇO, Peter - YAZDANI, A. - LOSS, D. Topological superconductivity and majorana fermions in RKKY systems. In *Physical Review Letters*, 2013, vol. 111, no. 18, 186805. (7.943 - IF2012). (2013 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Ohlasy:

[1.1] HEIMES, Andreas - KOTETES, Panagiotis - SCHOEN, Gerd. Majorana fermions from Shiba states in an antiferromagnetic chain on top of a

superconductor. In PHYSICAL REVIEW B. ISSN 1098-0121, 2014, vol. 90, no. 6, 060507., WOS

[1.1] CHEN, Hua-Jun - ZHU, Ka-Di. Possibility of Majorana signature detecting via a single-electron spin implanted in a suspended carbon nanotube resonator. In RSC ADVANCES. ISSN 2046-2069, 2014, vol. 4, no. 88, pp. 47587., WOS

[1.1] KIM, Younghyun - CHENG, Meng - BAUER, Bela - LUTCHYN, Roman M. - DAS SARMA, S. Helical order in one-dimensional magnetic atom chains and possible emergence of Majorana bound states. In PHYSICAL REVIEW B. ISSN 1098-0121, 2014, vol. 90, no. 6, 060401., WOS

[1.1] LEE, Eduardo J. H. - JIANG, Xiaocheng - HOUZET, Manuel - AGUADO, Ramon - LIEBER, Charles M. - DE FRANCESCHI, Silvano. Spin-resolved Andreev levels and parity crossings in hybrid superconductor-semiconductor nanostructures. In NATURE NANOTECHNOLOGY. ISSN 1748-3387, 2014, vol. 9, no. 1, pp. 79., WOS

[1.1] PIENKA, Falko - GLAZMAN, Leonid I. - VON OPPEN, Felix. Unconventional topological phase transitions in helical Shiba chains. In PHYSICAL REVIEW B. ISSN 1098-0121, 2014, vol. 89, no. 18, 180505., WOS

[1.1] POYHONEN, Kim - WESTSTROM, Alex - RONTYNEN, Joel - OJANEN, Teemu. Majorana states in helical Shiba chains and ladders. In PHYSICAL REVIEW B. ISSN 1098-0121, 2014, vol. 89, no. 11., WOS

[1.1] REIS, I. - MARCHAND, D. J. J. - FRANZ, M. Self-organized topological state in a magnetic chain on the surface of a superconductor. In PHYSICAL REVIEW B. ISSN 1098-0121, 2014, vol. 90, no. 8, 085124., WOS

[1.1] RONTYNEN, Joel - OJANEN, Teemu. Tuning topological superconductivity in helical Shiba chains by supercurrent. In PHYSICAL REVIEW B. ISSN 1098-0121, 2014, vol. 90, no. 18, 180503., WOS

[1.1] SUN, B. Y. - WU, M. W. Majorana fermions in semiconductor nanostructures with two wires connected through a ring. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2014, vol. 16, 073045., WOS

[1.1] THAKURATHI, Manisha - SENGUPTA, K. - SEN, Diptiman. Majorana edge modes in the Kitaev model. In PHYSICAL REVIEW B. ISSN 1098-0121, 2014, vol. 89, no. 23, 235434., WOS

[1.1] VAZIFEH, M. M. - FRANZ, M. Self-Organized Topological State with Majorana Fermions. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2013, vol. 111, no. 20, 206802., WOS

[1.1] VEDMEDENKO, E. Y. - ALTWEIN, D. Topologically Protected Magnetic Helix for All-Spin-Based Applications. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2014, vol. 112, no. 1, 017206., WOS

[1.1] WAKATSUKI, Ryohei - EZAWA, Motohiko - TANAKA, Yukio - NAGAOSA, Naoto. Fermion fractionalization to Majorana fermions in a dimerized Kitaev superconductor. In PHYSICAL REVIEW B. ISSN 1098-0121, 2014, vol. 90, no. 1, 014505., WOS

[1.1] YAO, N. Y. - GLAZMAN, L. I. - DEMLER, E. A. - LUKIN, M. D. - SAU, J. D. Enhanced Antiferromagnetic Exchange between Magnetic Impurities in a Superconducting Host. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2014, vol. 113, no. 8, 087202., WOS

no. 23, 236801. (7.370 - IF2011). (2012 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Ohlasy:

[1.1] CONTINENTINO, Mucio A. - CALDAS, Heron - NOZADZE, David - TRIVEDI, Nandini. Topological states in normal and superconducting p-wave chains. In PHYSICS LETTERS A. ISSN 0375-9601, 2014, vol. 378, no. 45, pp. 3340., WOS

[1.1] HEIMES, Andreas - KOTETES, Panagiotis - SCHOEN, Gerd. Majorana fermions from Shiba states in an antiferromagnetic chain on top of a superconductor. In PHYSICAL REVIEW B. ISSN 1098-0121, 2014, vol. 90, no. 6, 060507., WOS

[1.1] MOGHADDAM, A. G. - KERNREITER, T. - GOVERNALE, M. - ZUELICKE, U. Exporting superconductivity across the gap: Proximity effect for semiconductor valence-band states due to contact with a simple-metal superconductor. In PHYSICAL REVIEW B. ISSN 1098-0121, 2014, vol. 89, no. 18, 184507., WOS

[1.1] OJANEN, Teemu. Majorana states and devices in magnetic structures. In PHYSICAL REVIEW B. ISSN 1098-0121, 2013, vol. 88, no. 22, 220502., WOS

[1.1] OJANEN, Teemu. Topological π Josephson junction in superconducting Rashba wires. In PHYSICAL REVIEW B. ISSN 1098-0121, 2013, vol. 87, no. 10, 100506., WOS

[1.1] OSCA, Javier - RUIZ, Daniel - SERRA, Llorenç. Effects of tilting the magnetic field in one-dimensional Majorana nanowires. In PHYSICAL REVIEW B. ISSN 1098-0121, 2014, vol. 89, no. 24, 245405., WOS

[1.1] POYHONEN, Kim - WESTSTROM, Alex - RONTYNEN, Joel - OJANEN, Teemu. Majorana states in helical Shiba chains and ladders. In PHYSICAL REVIEW B. ISSN 1098-0121, 2014, vol. 89, no. 11., WOS

[1.1] RONTYNEN, Joel - OJANEN, Teemu. Tuning topological superconductivity in helical Shiba chains by supercurrent. In PHYSICAL REVIEW B. ISSN 1098-0121, 2014, vol. 90, no. 18, 180503., WOS

[1.1] SHAKOURI, Kh - BADALYAN, S. M. - PEETERS, F. M. Helical liquid of snake states. In PHYSICAL REVIEW B. ISSN 1098-0121, 2013, vol. 88, no. 19, 195404., WOS

[1.1] STICLET, Doru - SEABRA, Luis - POLLMANN, Frank - CAYSSOL, Jerome. From fractionally charged solitons to Majorana bound states in a one-dimensional interacting model. In PHYSICAL REVIEW B. ISSN 1098-0121, 2014, vol. 89, no. 11, 115430., WOS

[1.1] TEZUKA, Masaki - KAWAKAMI, Norio. Reentrant topological transitions with Majorana end states in one-dimensional superconductors by lattice modulation. In PHYSICAL REVIEW B. ISSN 1098-0121, 2013, vol. 88, no. 15, 155428., WOS

[1.1] WAKATSUKI, Ryohei - EZAWA, Motohiko - TANAKA, Yukio - NAGAOSA, Naoto. Fermion fractionalization to Majorana fermions in a dimerized Kitaev superconductor. In PHYSICAL REVIEW B. ISSN 1098-0121, 2014, vol. 90, no. 1, 014505., WOS

[1.1] ZHANG, Fan - KANE, C. L. Time-Reversal-Invariant $Z(4)$ Fractional Josephson Effect. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2014, vol. 113, no. 3, 036401., WOS

ADCA461 KLOEFFEL, Ch. - TRIF, M. - STAÑO, 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. (3.767 - IF2012). (2013 - Current Contents, WOS, SCOPUS). ISSN 1098-0121.

Ohlasy:

[1.1] ARES, N. - KATSAROS, G. - GOLOVACH, V. N. - ZHANG, J. J. - PRAGER, A. - GLAZMAN, L. I. - SCHMIDT, O. G. - DE FRANCESCHI, S. SiGe quantum dots for fast hole spin Rabi oscillations. In *APPLIED PHYSICS LETTERS*. ISSN 0003-6951, 2013, vol. 103, no. 26, 263113., WOS

[1.1] COTTET, Audrey. Probing coherent Cooper pair splitting with cavity photons. In *PHYSICAL REVIEW B*. ISSN 1098-0121, 2014, vol. 90, no. 12, 125139., WOS

[1.1] HIGGINBOTHAM, A. P. - LARSEN, T. W. - YAO, J. - YAN, H. - LIEBER, C. M. - MARCUS, C. M. - KUEMMETH, F. Hole Spin Coherence in a Ge/Si Heterostructure Nanowire. In *NANO LETTERS*. ISSN 1530-6984, 2014, vol. 14, no. 6, pp. 3582., WOS

[1.1] SCHERUEBL, Zoltan - PALYI, Andras - CSONKA, Szabolcs. Probing individual split Cooper pairs using the spin qubit toolkit. In *PHYSICAL REVIEW B*. ISSN 1098-0121, 2014, vol. 89, no. 20, 205439., WOS

ADCA462 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.

Ohlasy:

[1.1] D'ARIANO, Giacomo Mauro - MANESSI, Franco - PERINOTTI, Paolo - TOSINI, Alessandro. The Feynman problem and fermionic entanglement: Fermionic theory versus qubit theory. In *INTERNATIONAL JOURNAL OF MODERN PHYSICS A*. ISSN 0217-751X, 2014, vol. 29, no. 17, 1430025., WOS

[1.1] FUJII, Keisuke - MAEDA, Haruki - YAMAMOTO, Katsuji. Robust and scalable scheme to generate large-scale entanglement webs. In *PHYSICAL REVIEW A*, 2011, vol.83, no.5., WOS

[1.1] CHAKRABORTY, Kaushik - CHOI, Byung-Soo - MAITRA, Arpita - MAITRA, Subhamoy. Efficient quantum algorithms to construct arbitrary Dicke states. In *QUANTUM INFORMATION PROCESSING*. ISSN 1570-0755, 2014, vol. 13, no. 9, pp. 2049., WOS

[1.1] IKUTA, Rikizo - TASHIMA, Toshiyuki - YAMAMOTO, Takashi - KOASHI, Masato - IMOTO, Nobuyuki. Optimal local expansion of W states using linear optics and Fock states. In *PHYSICAL REVIEW A*, 2011, vol.83, no.1., WOS

[1.1] OEZDEMIR, S. K. - MATSUNAGA, E. - TASHIMA, T. - YAMAMOTO, T. - KOASHI, M. - IMOTO, N. An optical fusion gate for W-states. In *NEW JOURNAL OF PHYSICS*, 2011, vol.13, no., WOS

[1.1] PARIDA, S. - CHANDRA, N. - GHOSH, R. Spin-entanglement in a three electron system produced in double Auger decay. In *EUROPEAN PHYSICAL JOURNAL D*, 2011, vol.65, no.3, 303., WOS

[1.1] SUDHA - DEVI, A. R. Usha - RAJAGOPAL, A. K. Monogamy of quantum correlations in three-qubit pure states. In *PHYSICAL REVIEW A*. ISSN 1050-2947, 2012, vol. 85, no. 1, 012103., WOS

[1.1] YU, Nengkun. Multipartite W-type state is determined by its

single-particle reduced density matrices among all W-type states. In PHYSICAL REVIEW A. ISSN 1050-2947, 2013, vol. 87, no. 5, 052310., WOS

[1.1] ZANG, X-P - YANG, M. - WU, W-F - FANG, S-D - CAO, Z-L. Local expansion of atomic W state in cavity quantum electrodynamics. In INDIAN JOURNAL OF PHYSICS. ISSN 0973-1458, 2014, vol. 88, no. 11, pp. 1141., WOS

ADCA463 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. (3.477 - IF2009). (2010 - Current Contents, SCOPUS). ISSN 0556-2813.

Ohlasy:

[1.1] ARRINGTON, J. - BLUNDEN, P. G. - MELNITCHOUK, W. Review of two-photon exchange in electron scattering. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS, 2011, vol.66, no.4, 782-833., WOS

ADCA464 KOBUSHKIN, A.P. - KRIVENKO-EMETOV, Y.D. - DUBNIČKA, Stanislav - DUBNIČKOVA, A.Z. Two-photon exchange and elastic scattering of longitudinally polarized electrons on polarized deuterons. In *Physical Review C*, 2011, vol. 84, no. 5, 054007. (3.416 - IF2010). (2011 - Current Contents). ISSN 0556-2813.

Ohlasy:

[1.1] GAKH, G. I. - KONCHATNIJ, M. I. - MERENKOV, N. P. Radiative corrections to polarization observables in elastic electron-deuteron scattering in leptonic variables. In JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS. ISSN 1063-7761, 2012, vol. 115, no. 2, pp. 212., WOS

ADCA465 KOLANO-BURIAN, A. - KULIK, T. - VLASÁK, Gabriel - FERENC, J. - VARGA, L.K. Effect of Co addition on nanocrystallization and soft magnetic properties of (Fe_{1-x}Cox)_{73.5}Cu₁Nb₃Si_{13.5}B₉ alloys. In *Journal of Magnetism and Magnetic Materials*, 2004, vol. 272, p. 1447-1448. (0.910 - IF2003). (2004 - Current Contents, WOS, SCOPUS). ISSN 0304-8853.

Ohlasy:

[1.1] LIU, Z.W. Improved soft magnetic properties. In MATERIALS SCIENCE AND TECHNOLOGY, 2012, vol. 28, no. 8, pp. 987-990., WOS

[1.1] SZEWCZYK, R. Application of extended Jiles-Atherton model. In IEEE TRANSACTIONS ON MAGNETICS, 2012, VOL. 48, no. 4, pp. 1389-1392., WOS

[1.1] WILLARD, M.A. In HANDBOOK OF MAGNETIC MATERIALS, 2013, vol. 21, pp. 173-342., WOS

ADCA466 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.

Ohlasy:

[1.1] SOUSA, L. In IEEE TRANSACTIONS ON MAGNETICS, 2013, vol. 49, no. 12, p. 5610., WOS

ADCA467 KOLEŠÍK, Miroslav. Correlation-functions of the 2-state vertex model on the cayley tree. In *International Journal of Modern Physics B*, 1992, vol. 6, no. 21, p. 3469-3477. ISSN 0217-9792.

Ohlasy:

[1.1] ROZIKOV, Utkir A. GIBBS MEASURES ON CAYLEY TREES: RESULTS AND OPEN PROBLEMS. In *REVIEWS IN MATHEMATICAL PHYSICS*. ISSN 0129-055X, 2013, vol. 25, no. 1, 1330001., WOS

ADCA468 KOLEŠÍK, Miroslav. No-free-ends method for lattice animal and vertex models with arbitrary number of states. In *Physica A - Statistical Mechanics and its Applications*, 1994, vol. 202, no. 3-4, p. 529-539. ISSN 0378-4371.

Ohlasy:

[1.2] ROZIKOV, Utkir A. Gibbs measures on cayley trees: Results and open problems. In *Reviews in Mathematical Physics*. ISSN 0129055X, 2013-02-01, 25, 1, 1330001., SCOPUS

ADCA469 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. (2.142 - IF2000). (2001 - Current Contents). ISSN 1539-3755.

Ohlasy:

[1.1] ANDREEVA, V. A. - PANOV, N. A. - KOSAREVA, O. G. - CHIN, S. L. - LEVAN, PD - SOOD, AK - WIJEWARNASURIYA, PS - DSOUZA, AI. Single-cycle pulse generation in the course of four-wave mixing in the filament. In *INFRARED SENSORS, DEVICES, AND APPLICATIONS II*. ISSN 0277-786X, 2012, vol. 8512, no. 85120Z., WOS

[1.1] PANOV, Nikolay A. - MAKAROV, Vladimir A. - FEDOROV, Vladimir Y. - KOSAREVA, Olga G. Filamentation of arbitrary polarized femtosecond laser pulses in case of high-order Kerr effect. In *OPTICS LETTERS*. ISSN 0146-9592, 2013, vol. 38, no. 4, pp. 537., WOS

[1.1] SHEINFUX, A. H. - SCHLEIFER, E. - PAPEER, J. - FIBICH, G. - ILAN, B. - ZIGLER, A. Measuring the stability of polarization orientation in high intensity laser filaments in air. In *APPLIED PHYSICS LETTERS*. ISSN 0003-6951, 2012, vol. 101, no. 20, 201105., WOS

[1.2] BIRYUKOV, A.A. - PANOV, N.A. - VOLKOV, M.V. - URYUPINA, D.S. - VOLKOV, R.V. - KOSAREVA, O.G. - SAVEL'EV, A.B. Filamentation of femtosecond laser radiation with a non-Gaussian transverse spatial profile. In *Quantum Electronics*, 2011, vol.41, no.11, 958-962., SCOPUS

[1.2] BRUNDAVANAM, M.M. - KUMAR, V.P. - RAO, D.N. Polarization dependent output spectrum due to a single filament in BK7 glass using focused femto second pulses. In *Proceedings of SPIE The International Society for Optical Engineering*, 2011, vol.8173., SCOPUS

[1.2] KOSAREVA, O.G. - PANOV, N.A. - VOLKOV, R.V. - ANDREEVA, V.A. - BORODIN, A.V. - ESAULKOV, M.N. - CHEN, Y. - MARCEAU, C. - MAKAROV, V.A. - SHKURINOV, A.P. - SAVEL'EV, A.B. - CHIN, S.L. Analysis of dual frequency interaction in the filament with the purpose of efficiency control of THz pulse generation. In *Journal of Infrared, Millimeter, and Terahertz Waves*, 2011, vol.32, no.10, 1157-1167., SCOPUS

[1.2] PANOV, N.A. - KOSAREVA, O.G. - SAVEL'EV, A.B. - URYUPINA, D.S. - PEREZHOGIN, I.A. - MAKAROV, V.A. Filamentation of femtosecond Gaussian pulses with close-to-linear or circular elliptical polarisation. In *Quantum*

Electronics, 2011, vol.41, no.2, 160-162., SCOPUS

[1.2] YU, J. - JIANG, H. - YANG, H. - GONG, Q. Depolarization of white light generated by femtosecond laser pulse in KDP crystals. In *Journal of the Optical Society of America B: Optical Physics*, 2011, vol.28, no.6, 1566-1570., SCOPUS

ADCA470 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] ROJAS, O. Direct algebraic mapping transformation for decorated spin models. In *JOURNAL OF PHYSICS A*, 2011, vol. 44, no. 24, 245001., WOS

[1.1] ROJAS, O. - DE SOUZA, S. M. Equivalence between non-bilinear spin-S Ising model and Wajnflasz model. In *EUROPEAN PHYSICAL JOURNAL B*. ISSN 1434-6028, 2012, vol. 85, no. 5, 170., WOS

ADCA471 KOLNÍK, Ján - IVANČO, Ján - OŽVOLD, Milan - WYCZISK, F. - OLIVIER, J. Increased thermal-stability of Au/gaas metal-insulator-semiconductor Schottky diodes with silicon-nitride interfacial layer deposited by remote plasma-enhanced chemical-vapor deposition. In *Journal of Applied Physics*, 1993, vol. 73, no. 10, p. 5075-5080. (1.532 - IF1992). (1993 - Current Contents). ISSN 0021-8979.

Ohlasy:

[1.1] HUANG, Chien-Chang - CHEN, Huey-Ing - CHENG, Shiou-Ying - CHEN, Li-Yang - TSAI, Tsung-Han - LIU, Yi-Chun - CHEN, Tai-You - HSU, Chi-Hsiang - LIU, Wen-Chau. On the characteristics of an electroless plated (EP)-based pseudomorphic high electron mobility. transistor (PHEMT). In *SOLID-STATE ELECTRONICS*, 2011, vol.61, no.1, 13-17., WOS

ADCA472 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.

Ohlasy:

[1.1] GAYEN, R. N. - BHATTACHARYYA, S. R. - JANA, P. Temperature dependent current transport of Pd/ZnO nanowire Schottky diodes. In *SEMICONDUCTOR SCIENCE AND TECHNOLOGY*. ISSN 0268-1242, 2014, vol. 29, no. 9, 095022., WOS

[1.1] KORUCU, D. - KARATAS, S. - TURUT, A. Analysis of interface states and series resistances in Au/p-InP structures prepared with photolithography technique. In *INDIAN JOURNAL OF PHYSICS*. ISSN 0973-1458, 2013, vol. 87, no. 8, pp. 733., WOS

[1.1] REDDY, M. Siva Pratap - KWON, Mi-Kyung - KANG, Hee-Sung - KIM, Dong-Seok - LEE, Jung-Hee - REDDY, V. Rajagopal - JANG, Ja-Soon. Influence of Series Resistance and Interface State Density on Electrical Characteristics of Ru/Ni/n-GaN Schottky structure. In *JOURNAL OF SEMICONDUCTOR TECHNOLOGY AND SCIENCE*. ISSN 1598-1657, 2013, vol. 13, no. 5, pp. 492., WOS

[1.1] ZOUGAGH, N. - BENAMARA, Z. - MAZARI, H. - BENSEDDIK, N. - AMEUR, K. - MONIER, G. - BIDEUX, L. - GRUZZA, B. The dc Electrical

Characterization of Hg/delta-GaN/n-GaAs Devices, with Different Thicknesses of the GaN Thin Layers. In *SENSOR LETTERS*, 2011, vol.9, no.6, 2211., WOS

ADCA473 KONIORCZYK, M. - RAPČAN, Peter - BUŽEK, Vladimír. Direct versus measurement-assisted bipartite entanglement in multiqubit systems and their dynamical generation in spin systems. In *Physical Review A*, 2005, vol. 72, no. 2, 022321. ISSN 1050-2947.

Ohlasy:

[1.1] GUO, Jin-Liang - LI, Zai-Dong - SUN, Yu-Bao. Pairwise entanglement in the Heisenberg XX model with three-site interactions. In *OPTICS COMMUNICATIONS*, 2011, vol.284, no.5, 1461., WOS

[1.1] REBON, L. - CANOSA, N. - ROSSIGNOLI, R. Dynamics of entanglement between two harmonic modes in stable and unstable regimes. In *PHYSICAL REVIEW A*. ISSN 1050-2947, 2014, vol. 89, no. 4, 042312., WOS

ADCA474 KONIORCZYK, M. - VARGA, A. - RAPČAN, Peter - BUŽEK, Vladimír. Quantum homogenization and state randomization in semi-quantal spin systems. In *Physical Review A*, 2008, vol. 77, no. 5, 052106. (2.893 - IF2007). (2008 - Current Contents). ISSN 1050-2947.

Ohlasy:

[1.1] GENNARO, G. Relaxation due to partial swap. In *OPEN SYSTEMS AND INFORMATION DYNAMICS*, 2011, vol. 18, no. 4, p. 353-362., WOS

[1.1] NOVOTNY, J.-ALBER, G.-JEX, I. Asymptotic dynamic of qubit networks. In *NEW JOURNAL OF PHYSICS*, 2011, vol. 13, 053052., WOS

ADCA475 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, p. 034301. (2.684 - IF2000). ISSN 1050-2947.

Ohlasy:

[1.1] BENENTI, G. Wigner separability. In *PHYSICAL REVIEW E*, 2012, vol. 85, 051129., WOS

[1.1] FERRIE, Ch. In *REPORTS ON PROGRESS IN PHYSICS*, 2011, vol. 74, 116001., WOS

[1.1] GHIU, I. A new method of construction of all sets. In *JOURNAL OF PHYSICS CONFERENCE SERIES*, 2012, vol. 338, 012008., WOS

[1.1] GHIU, I. In *PHYSICA SCRIPTA*, 2013, T153, 014027., WOS

[1.1] GHIU, I.-GHIU, C. In *REPORTS ON MATHEMATICAL PHYSICS*, 2014, vol. 73, pp. 49-63., WOS

[1.1] GUO, Y.-WU, S. In *SCIENTIFIC REPORTS*, 2014, vol. 4, 7179., WOS

[1.1] OBADA, A.-S.F. Wigner function and phase properties. In *JOURNAL OF RUSSIAN LASER RESEARCH*, 2012, vol. 33, pp. 369., WOS

[1.1] RYU, J. et al. In *PHYSICAL REVIEW A*, 2013, vol. 88, 052123., WOS

ADCA476 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. (6.944 - IF2007). (2008 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Ohlasy:

- [1.1] AHADIAN, Samad - MIZUSEKI, Hiroshi - KAWAZOE, Yoshiyuki. Effects of hydration level, temperature, side chain and backbone flexibility of the polymer on the proton transfer in short-side-chain perfluorosulfonic acid membranes at low humidity conditions. In JOURNAL OF MEMBRANE SCIENCE, 2011, vol.369, no.1-2, 339., WOS
- [1.1] AHADIAN, Samad - MIZUSEKI, Hiroshi - KAWAZOE, Yoshiyuki. A First-Principles Study on Water Flow Through Single-Walled Carbon Nanotubes Using Artificial Neural Network Method. In JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY, 2011, vol.11, no.11, 10227., WOS
- [1.1] BAILEY, Adrian - MOSEY, Nicholas J. Prediction of reaction barriers and force-induced instabilities under mechanochemical conditions with an approximate model: A case study of the ring opening of 1,3-cyclohexadiene. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2012, vol. 136, no. 4, 044102., WOS
- [1.1] BARRY, J. N. - COWLEY, A. - MCNALLY, P. J. - DOWLING, D. P. Influence of substrate metal alloy type on the properties of hydroxyapatite coatings deposited using a novel ambient temperature deposition technique. In JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART A. ISSN 1549-3296, 2014, vol. 102, no. 3, pp. 871- 879., WOS
- [1.1] BARRY, J. N. - TWOMEY, B. - COWLEY, A. - O'NEILL, L. - MCNALLY, P. J. - DOWLING, D. P. Evaluation and comparison of hydroxyapatite coatings deposited using both thermal and non-thermal techniques. In SURFACE & COATINGS TECHNOLOGY. ISSN 0257-8972, 2013, vol. 226, pp. 82-91., WOS
- [1.1] DELOGU, Francesco. Ag Nanoparticles from the Mechanochemical Decomposition of Ag Oxalate. In LANGMUIR. ISSN 0743-7463, 2012, vol. 28, no. 29, pp. 10898., WOS
- [1.1] DELOGU, Francesco. Hydrogen generation by mechanochemical reaction of quartz powders in water. In INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, 2011, vol.36, no.23, 15145., WOS
- [1.1] DELOGU, Francesco. Mechanochemical Behavior of Surface Radicals in Ground Quartz. In JOURNAL OF PHYSICAL CHEMISTRY C, 2011, vol.115, no.43, 21230., WOS
- [1.1] DELOGU, Francesco. Mechanochemical decomposition of Ag and Ni oxalates. In MATERIALS CHEMISTRY AND PHYSICS. ISSN 0254-0584, 2014, vol. 147, no. 3, pp. 629-635., WOS
- [1.1] GROOTE, Ramon - SZYJA, Bartłomiej M. - LEIBFARTH, Frank A. - HAWKER, Craig J. - DOLTSINIS, Nikos L. - SIJBESMA, Rint P. Strain-Induced Strengthening of the Weakest Link: The Importance of Intermediate Geometry for the Outcome of Mechanochemical Reactions. In MACROMOLECULES. ISSN 0024-9297, 2014, vol. 47, no. 3, pp. 1187- 1192., WOS
- [1.1] HONG, Wenjing - MANRIQUE, David Zsolt - MORENO-GARCIA, Pavel - GULCUR, Murat - MISHCHENKO, Artem - LAMBERT, Colin J. - BRYCE, Martin R. - WANDLOWSKI, Thomas. Single Molecular Conductance of Tolanes: Experimental and Theoretical Study on the Junction Evolution Dependent on the Anchoring Group. In JOURNAL OF THE AMERICAN CHEMICAL SOCIETY. ISSN 0002-7863, 2012, vol. 134, no. 4, pp. 2292., WOS
- [1.1] KHAYATI, Gholam Reza - JANGHORBAN, Kamal. Thermodynamic

approach to synthesis of silver nanocrystalline by mechanical milling silver oxide. In TRANSACTIONS OF NONFERROUS METALS SOCIETY OF CHINA. ISSN 1003-6326, 2013, vol. 23, no. 2, pp. 543-547., WOS

[1.1] LIANG, Hua - SEVERIN, Nikolai - FUGMANN, Simon - SOKOLOV, Igor M. - RABE, Juergen P. Statistics of Time-Dependent Rupture of Single ds-DNA. In JOURNAL OF PHYSICAL CHEMISTRY B. ISSN 1520-6106, 2013, vol. 117, no. 29, pp. 8875- 8879., WOS

[1.1] MELONI, Paola - CARCANGIU, Gianfranco - DELOGU, Francesco. Specific surface area and chemical reactivity of quartz powders during mechanical processing. In MATERIALS RESEARCH BULLETIN. ISSN 0025-5408, 2012, vol. 47, no. 1, pp. 146., WOS

[1.1] O'DELL, Dakota - SEREY, Xavier - KANG, Pilgyu - ERICKSON, David. Localized Opto-Mechanical Control of Protein Adsorption onto Carbon Nanotubes. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2014, vol. 4, 6707., WOS

[1.1] SCHMIDT, Sebastian W. - KERSCH, Alfred - BEYER, Martin K. - CLAUSEN-SCHAUMANN, Hauke. Mechanically activated rupture of single covalent bonds: evidence of force induced bond hydrolysis. In PHYSICAL CHEMISTRY CHEMICAL PHYSICS, 2011, vol.13, no.13, 5994., WOS

[1.1] STOFFERS, Andreas - OBERDORFER, Christian - SCHMITZ, Guido. Controlled Field Evaporation of Fluorinated Self-Assembled Monolayers. In LANGMUIR. ISSN 0743-7463, 2012, vol. 28, no. 1, pp. 56., WOS

[1.1] TAKACS, L. Mechanochemistry and the Other Branches of Chemistry: Similarities and Differences. In ACTA PHYSICA POLONICA A. ISSN 0587-4246, 2012, vol. 121, no. 3, pp. 711., WOS

[1.1] TAKACS, L. What Is Unique About Mechanochemical Reactions? In ACTA PHYSICA POLONICA A. ISSN 0587-4246, 2014, vol. 126, no. 4, pp. 1040-1043., WOS

[1.1] ZHENG, Peng - LI, Hongbin. Highly Covalent Ferric-Thiolate Bonds Exhibit Surprisingly Low Mechanical Stability. In JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, 2011, vol.133, no.17, 6791., WOS

ADCA477 KONÔPKA, M. - BUŽEK, Vladimír. Entangling Atoms in photonic Crystals. In *European Physical Journal D*, 2000, vol. 10, no. 2, p. 285-293. (1.448 - IF1999). ISSN 1434-6060.

Ohlasy:

[1.1] HAN WEI - ZHANG YING-JIE - YAN WEI-BIN - XIA YUN-JIE. Promote entanglement trapping in photonic band gaps. In CHINESE PHYSICS B. ISSN 1674-1056, 2014, vol. 23, no. 11, 110304., WOS

[1.1] INCARDONE, Roberta - FUKUTA, Taku - TANAKA, Satoshi - PETROSKY, Tomio - RIZZUTO, Lucia - PASSANTE, Roberto. Enhanced resonant force between two entangled identical atoms in a photonic crystal. In PHYSICAL REVIEW A. ISSN 1050-2947, 2014, vol. 89, no. 6, 062117., WOS

[1.1] PRAMANIK, T. - ADHIKARI, S. - MAJUMDAR, A. S. - HOME, D. Testing nonlocality of single photons using cavities. In PHYSICS LETTERS A. ISSN 0375-9601, 2012, vol. 376, no. 4, pp. 344., WOS

[1.1] ZHANG YING-JIE - YANG XIU-QIN - HAN WEI - XIA YUN-JIE. Comparison of entanglement trapping among different photonic band gap models. In CHINESE PHYSICS B. ISSN 1674-1056, 2013, vol. 22, no. 9, 090307., WOS

ADCA478 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. (3.396 - IF2008). (2009 - Current Contents, WOS, SCOPUS). ISSN 1932-7447.

Ohlasy:

[1.1] AHADIAN, Samad - MIZUSEKI, Hiroshi - KAWAZOE, Yoshiyuki. Effects of hydration level, temperature, side chain and backbone flexibility of the polymer on the proton transfer in short-side-chain perfluorosulfonic acid membranes at low humidity conditions. In *JOURNAL OF MEMBRANE SCIENCE*, 2011, vol.369, no.1-2, 339., WOS

[1.1] AMORIM, E. P. M. - DA SILVA, E. Z. Effect of light impurities on the electronic structure of copper nanowires. In *PHYSICAL REVIEW B*. ISSN 1098-0121, 2012, vol. 85, no. 15, 155407., WOS

[1.1] ARIGA, Katsuhiko - MORI, Taizo - HILL, Jonathan P. Mechanical Control of Nanomaterials and Nanosystems. In *ADVANCED MATERIALS*. ISSN 0935-9648, 2012, vol. 24, no. 2, pp. 158., WOS

[1.1] BAILEY, Adrian - MOSEY, Nicholas J. Prediction of reaction barriers and force-induced instabilities under mechanochemical conditions with an approximate model: A case study of the ring opening of 1,3-cyclohexadiene. In *JOURNAL OF CHEMICAL PHYSICS*. ISSN 0021-9606, 2012, vol. 136, no. 4, 044102., WOS

[1.1] SIRTIL, Thomas - JELIC, Jelena - MEYER, Joerg - DAS, Kalpataru - HECKL, Wolfgang M. - MORITZ, Wolfgang - RUNDGREN, John - SCHMITTEL, Michael - REUTER, Karsten - LACKINGER, Markus. Adsorption structure determination of a large polyaromatic trithiolate on Cu(111): combination of LEED-I(V) and DFT-vdW. In *PHYSICAL CHEMISTRY CHEMICAL PHYSICS*. ISSN 1463-9076, 2013, vol. 15, no. 26, pp. 11054., WOS

[1.1] WALCH, Hermann - DIENSTMAIER, Juergen - EDER, Georg - GUTZLER, Rico - SCHLOEGL, Stefan - SIRTIL, Thomas - DAS, Kalpataru - SCHMITTEL, Michael - LACKINGER, Markus. Extended Two-Dimensional Metal-Organic Frameworks Based on Thiolate-Copper Coordination Bonds. In *JOURNAL OF THE AMERICAN CHEMICAL SOCIETY*, 2011, vol.133, no.20, 7909., WOS

ADCA479 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. (2.112 - IF2012). (2013 - Current Contents, WOS, SCOPUS). ISSN 0169-4332.

Ohlasy:

[1.1] ITO, Takuya - OTA, Yasuyuki - SHIOMORI, Koichiro - NISHIOKA, Kensuke. Effect of Alcohol-Assisted Annealing on the Quality of Silicon Oxide Thin Film. In *JOURNAL OF ELECTRONIC MATERIALS*. ISSN 0361-5235, 2014, vol. 43, no. 7, pp. 2683., WOS

[1.1] RICCI, Pier Carlo - GULLERI, Gianluca - FUMAGALLI, Francesco - CARBONARO, Carlo Maria - CORPINO, Riccardo. Optical characterization of polysilazane based silica thin films on silicon substrates. In *APPLIED*

SURFACE SCIENCE. ISSN 0169-4332, 2013, vol. 265, 15 January, pp. 470-474., WOS

- ADCA480 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, p. 7722-7725. (2006 - Current Contents). ISSN 0169-4332.
- Ohlasy:
- [1.1] AGBO, Solomon - CALTA, Pavel - SUTTA, Pavol - VAVRUNKOVA, Veronika - NETRVALOVA, Marie - PRUSAKOVA, Lucie. Investigation of the transition phases from amorphous silicon-based multilayers to silicon nanostructures by in situ X-ray diffraction. In *PHYSICA STATUS SOLIDI A-APPLICATIONS AND MATERIALS SCIENCE*. ISSN 1862-6300, 2014, vol. 211, no. 7, pp. 1512., WOS
- [1.1] ALVAREZ-MACIAS, C. - MONROY, B. M. - HUERTA, L. - CANSECO-MARTINEZ, M. A. - PICQUART, M. - SANTOYO-SALAZAR, J. - GARCIA SANCHEZ, M. F. - SANTANA, G. Chemical and structural properties of polymorphous silicon thin films grown from dichlorosilane. In *APPLIED SURFACE SCIENCE*. ISSN 0169-4332, 2013, vol. 285, pp. 431., WOS
- ADCA481 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. (1.515 - IF2007).
- Ohlasy:
- [1.1] HUANG, G. - LUO, Z.C. - HU, Y.D. - GUO, Y.A. - JIANG, Y.X. - WEI, S.J. In *CHEMICAL ENGINEERING JOURNAL*. JUL 1 2012, vol. 195, p. 165-172., WOS
- ADCA482 KORENKO, M. - KUCHARIK, M. - 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. ISSN 0366-6352.
- Ohlasy:
- [1.1] ARYAL, S. Structure and properties of the low-density phase ι -Al₂O₃ from first principles. In *PHYSICAL REVIEW B*, 2011, VOL. 84, NO. 17, 174123., WOS
- [1.1] PEINTINGER, M.F. - KRATZ, M.J. - BREDOW, Th. In *JOURNAL OF MATERIALS CHEMISTRY A*, 2014, vol. 2, no. 32, pp. 13143-13158., WOS
- ADCA483 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. (3.075 - IF2004). (2005 - Current Contents). ISSN 1098-0121.
- Ohlasy:
- [1.1] ALITALO, P. In *JOURNAL OF APPLIED PHYSICS*, 2013, vol. 113, 224903., WOS
- [1.1] ASLAM, Muhammad I. - GUENEY, Durdu Oe. Surface plasmon driven scalable low-loss negative-index metamaterial in the visible spectrum. In

PHYSICAL REVIEW B, 2011, vol.84, no.19., WOS

[1.1] ASLAM, Muhammad I. - GUNEY, Durdu Oe. Dual-band, double-negative, polarization-independent metamaterial for the visible spectrum. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS. ISSN 0740-3224, 2012, vol. 29, no. 10, pp. 2839., WOS

[1.1] BI, Ke et al. In SCIENTIFIC REPORTS, 2014, vol. 4, no. 7001., WOS

[1.1] DHOUIBI, Abdallah - BUROKUR, Shah Nawaz - DE LUSTRAC, Andre - PRIOU, Alain. Z-shaped meta-atom for negative permittivity metamaterials. In APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING. ISSN 0947-8396, 2012, vol. 106, no. 1, pp. 47., WOS

[1.1] DHOUIBI, Abdallah - BUROKUR, Shah Nawaz - DE LUSTRAC, Andre - PRIOU, Alain. Comparison of compact electric-LC resonators for negative permittivity metamaterials. In MICROWAVE AND OPTICAL TECHNOLOGY LETTERS. ISSN 0895-2477, 2012, vol. 54, no. 10, pp. 2287., WOS

[1.1] DHOUIBI, A. In MATERIALS SCIENCE AND ENGINEERING, 2013, vol. 44, UNSP 012011., WOS

[1.1] DING, M. In ACTA PHYSICA SINICA, 2013, vol. 62, 044218., WOS

[1.1] GINIS, Vincent - TASSIN, Philippe - DANCKAERT, Jan - SOUKOULIS, Costas M. - VERETENNICOFF, Irina - DOBISZ, EA - ELDADA, LA. Design of nanophotonic elements with transformation optics. In NANOENGINEERING: FABRICATION, PROPERTIES, OPTICS, AND DEVICES IX. ISSN 0277-786X, 2012, vol. 8463, 846314., WOS

[1.1] GUTH, N. - GALLAS, B. - RIVORY, J. - GRAND, J. - OURIR, A. - GUIDA, G. - ABDEDDAIM, R. - JOUVAUD, C. - DE ROSNY, J. Optical properties of metamaterials: Influence of electric multipoles, magnetoelectric coupling, and spatial dispersion. In PHYSICAL REVIEW B. ISSN 1098-0121, 2012, vol. 85, no. 11, 115138., WOS

[1.1] HOLLANDER, Y. - SHAVIT, R. Constitutive parameter extraction and experimental validation of single and double negative metamaterials. In IET MICROWAVES ANTENNAS & PROPAGATION, 2011, vol.5, no.1, 84., WOS

[1.1] HSIEH, Feng-Ju - WANG, Wei-Chih. Full extraction methods to retrieve effective refractive index and parameters of a bianisotropic metamaterial based on material dispersion models. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2012, vol. 112, no. 6, 064907., WOS

[1.1] CHEN CHUN-HUI - QU SHAO-BO - WANG JIA-FU - MA HUA - XU ZHUO - HE HUA. Magnetic metamaterial based on connected split and closed rings. In ACTA PHYSICA SINICA, 2011, vol.60, no.8., WOS

[1.1] CHENG, Dengmu - XIE, Jianliang - ZHANG, Huibing - WANG, Chundong - ZHANG, Nan - DENG, Longjiang. Pantoscopic and polarization-insensitive perfect absorbers in the middle infrared spectrum. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS. ISSN 0740-3224, 2012, vol. 29, no. 6, pp. 1503., WOS

[1.1] CHEN, Chun Hui - QU, Shao Bo - WANG, Jia Fu - MA, Hua - WANG, Jun - ZHAO, Jing Bo - WANG, Xin Hua - ZHOU, Hang - XU, Zhuo. Wide-angle and polarization-independent three-dimensional magnetic metamaterials with and without substrates. In JOURNAL OF PHYSICS D-APPLIED PHYSICS, 2011, vol.44, no.13., WOS

[1.1] CHUANG, Yi-Chen - DUDLEY, Richard - FIDDY, Michael A. -

- ADIBI, A - LIN, SY - SCHERER, A. Optimal arrangement of meta-atoms composing metamaterials. In PHOTONIC AND PHONONIC PROPERTIES OF ENGINEERED NANOSTRUCTURES II. ISSN 0277-786X, 2012, vol. 8269, 8269D., WOS
- [1.1] JIANG, Zhi Hao - BOSSARD, Jeremy A. - WANG, Xiande - WERNER, Douglas H. Synthesizing metamaterials with angularly independent effective medium properties based on an anisotropic parameter retrieval technique coupled with a genetic algorithm. In JOURNAL OF APPLIED PHYSICS, 2011, vol.109, no.1., WOS
- [1.1] KANG, Lei - LIPPENS, Didier. Mie resonance based left-handed metamaterial in the visible frequency range. In PHYSICAL REVIEW B, 2011, vol.83, no.19., WOS
- [1.1] KHAN SAIMA, I. In CONFERENCE ON METAMATERIALS VIII, April 17-18, 2013, Prague., WOS
- [1.1] LI JUN-CHENG - GUO LI-XIN - LIU SONG-HUA. Design and simulation of a single-sided left-handed material in THz regime. In ACTA PHYSICA SINICA. ISSN 1000-3290, 2012, vol. 61, no. 12, 124102., WOS
- [1.1] LI MIN-HUA. In MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, 2013, vol. 55, pp. 493., WOS
- [1.1] LIU, Zheng - LI, Wei - JIANG, Xunya. The effective permittivity and hyperbolic quality of a one-dimensional metamaterial. In EPL. ISSN 0295-5075, 2012, vol. 99, no. 4, 48006., WOS
- [1.1] LI, Min-Hua - YANG, He-Lin - TIAN, Yan - HOU, Dong-Yun. Dual bands of negative refractive indexes in the planar left-handed metamaterials. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, 2011, vol.323, no.5, 607., WOS
- [1.1] LI, XueAi - HAN, XiJiang - DU, YunChen - XU, Ping. Magnetic and electromagnetic properties of composites of iron oxide and Co-B alloy prepared by chemical reduction. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, 2011, vol.323, no.1, 14., WOS
- [1.1] LI, X. In PHYSICS LETTERS A, 2013, vol. 377, pp. 940., WOS
- [1.1] LI, Zhaofeng - AYDIN, Koray - OZBAY, Ekmel. Retrieval of effective parameters for bianisotropic metamaterials with omega shaped metallic inclusions. In PHOTONICS AND NANOSTRUCTURES-FUNDAMENTALS AND APPLICATIONS. ISSN 1569-4410, 2012, vol. 10, no. 3, pp. 329., WOS
- [1.1] LUO, Ma - LIU, QingHuo. Extraordinary transmission of a thick film with a periodic structure consisting of strongly dispersive materials. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS, 2011, vol.28, no.4, 629., WOS
- [1.1] REYES-AVENDANO, J. A. - ALGREDO-BADILLO, U. - HALEVI, P. - PEREZ-RODRIGUEZ, F. From photonic crystals to metamaterials: the bianisotropic response. In NEW JOURNAL OF PHYSICS, 2011, vol.13, 073041., WOS
- [1.1] SABAH, C. Microwave response of octagon-shaped parallel plates: Low-loss metamaterial. In OPTICS COMMUNICATIONS. ISSN 0030-4018, 2012, vol. 285, no. 21-22, pp. 4549., WOS
- [1.1] WALTHER, B. - HELGERT, C. - ROCKSTUHL, C. - PERTSCH, T. Diffractive optical elements based on plasmonic metamaterials. In APPLIED PHYSICS LETTERS, 2011, vol.98, no.19., WOS
- [1.1] WU, Meng-Ru et al. In IEEE PHOTONICS JOURNAL, 2014, vol. 6,

no. 5, 2201711., WOS

[1.1] XU HE-XIU - WANG GUANG-MING - WANG JIA-FU - YANG ZI-MU. Dual-band left-handed metamaterials fabricated by using tree-shaped fractal. In CHINESE PHYSICS B. ISSN 1674-1056, 2012, vol. 21, no. 12, 124101., WOS

[1.1] XU, He-Xiu - WANG, Guang-Ming - LIU, Qiang - WANG, Jia-Fu - GONG, Jian-Qiang. A metamaterial with multi-band left handed characteristic. In APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING. ISSN 0947-8396, 2012, vol. 107, no. 2, pp. 261., WOS

[1.1] XU, H.-X. In PHOTONICS AND NANOSTRUCTURES, 2013, vol. 11, pp. 15., WOS

[1.1] ZHANG, Fuli - KANG, Lei - ZHAO, Qian - ZHOU, Ji - LIPPENS, Didier. Magnetic and electric coupling effects of dielectric metamaterial. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2012, vol. 14, 033031., WOS

[1.1] ZHANG, Yuan - CHUANG, Yi-Chen - SCHENK, John O. - FIDDY, Michael A. Study of scattering patterns and subwavelength scale imaging based on finite-sized metamaterials. In APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING. ISSN 0947-8396, 2012, vol. 107, no. 1, pp. 61., WOS

[1.1] ZHAO, G. In PROCEEDINGS OF SPIE, 2013, vol. 9043, 904307., WOS

[1.2] ALITALO, Pekka - CULHAOGLU, Ali Eren - SIMOVSKI, Constantin R. - TRETYAKOV, Sergei A. Antiresonance in the retrieved material parameters of periodic and aperiodic composite materials. In 2013 International Symposium on Electromagnetic Theory, EMTS 2013 Proceedings, 2013-09-04, pp. 380-383., SCOPUS

[1.2] ASKARI, Mehdi - NIAKAN, Narges - ZAKERY, Abdolnaser. A high transmission and low loss metamaterial with negative refraction at 458 THz. In Optik. ISSN 00304026, 2013-08-01, 124, 15, pp. 2210-2213., SCOPUS

[1.2] CAI, Tong - WANG, Guangming - LIANG, Jiangang - ZHUANG, Yaqiang. Application of ultra-compact single negative waveguide metamaterials for a low mutual coupling patch antenna array design. In Chinese Physics Letters. ISSN 0256307X, 2014-08-01, 31, 8, 084101., SCOPUS

[1.2] DHOUIBI, Abdallah - BUROKUR, Shah Nawaz - LUPU, Anatole - DE LUSTRAC, André - PRIOU, Alain C. Interpretation of the electric resonance in Z-shaped meta-atom. In 2013 7th International Congress on Advanced Electromagnetic Materials in Microwaves and Optics, METAMATERIALS 2013, 2013-01-01, pp. 496-498., SCOPUS

[1.2] HOLLOWAY, Christopher L. - KUESTER, Edward F. Corrections to the classical continuity boundary conditions at the interface of a composite medium. In Photonics and Nanostructures Fundamentals and Applications. ISSN 15694410, 2013-11-01, 11, 4, pp. 397-422., SCOPUS

[1.2] HUMMELT, Jason Samuel - LEWIS, Samantha M. - SHAPIRO, Michael A. - TEMKIN, Richard J. Design of a metamaterial-based backward-wave oscillator. In IEEE Transactions on Plasma Science. ISSN 00933813, 2014-01-01, 42, 4, pp. 930-936., SCOPUS

[1.2] CHENG, Dengmu - CHEN, Haiyan - ZHANG, Nan - ZHANG, Huibin - XIE, Jianliang - DENG, Longjiang. Numerical study of a dualband negative index material with polarization independence in the middle infrared regime. In Journal of the Optical Society of America B: Optical Physics. ISSN 07403224,

2013-01-01, 30, 1, pp. 224-228., SCOPUS

[1.2] JAIN, Sidharath - MITTRA, Raj M. - ABDEL-MAGEED, Mohamed. Broadband flat-base Luneburg lens antenna for wide angle scan. In IEEE Antennas and Propagation Society, AP-S International Symposium (Digest). ISSN 15223965, 2014-01-01, pp. 771-772., SCOPUS

[1.2] JIANG, Zhihao - YUN, Seokho - LIN, Lan - BOSSARD, Jeremy A. - WERNER, Douglas H. - MAYER, Theresa S. Tailoring dispersion for broadband low-loss optical metamaterials using deep-subwavelength inclusions. In Scientific Reports, 2013-04-09, 3, 1571., SCOPUS

[1.2] KARAMI, Morteza - KITCHIN, Steven - FIDDY, Michael A. Scattering and coupling between subwavelength resonators. In Proceedings of SPIE The International Society for Optical Engineering. ISSN 0277786X, 2014-01-01, 9160, 916020., SCOPUS

[1.2] KHAN, Saimaishfaq - SHARP, Graham J. - DE LA RUE, Richard M. - DRYSDALE, Timothy D. - JOHNSON, Nigel P. Modelling angle resolved complex reflection and transmission coefficients from fishnet structure formed from nanoimprint lithography. In Proceedings of SPIE The International Society for Optical Engineering. ISSN 0277786X, 2014-01-01, 9125., SCOPUS

[1.2] MILOŠEVIĆ, Vojislav - JOKANOVIĆ, Branka S. - BOJANIĆ, Radovan. Effective electromagnetic parameters of metamaterial transmission line loaded with asymmetric unit cells. In IEEE Transactions on Microwave Theory and Techniques. ISSN 00189480, 2013-06-28, 61, 8, pp. 2761-2772., SCOPUS

[1.2] MIN-HUA, Li - HE-LIN, Yang - HAI, Lin - BO-XUN, Xiao. Design, measurement, and characterization of dual-band left-handed metamaterials with combined elements. In Microwave and Optical Technology Letters. ISSN 08952477, 2013-03-01, 55, 3, pp. 493-497., SCOPUS

[1.2] SATTARI, Hamed - SAHRAI, Mostafa. Phase dependent coherent control of group delay in a doped metamaterial slab. In Optics Communications. ISSN 00304018, 2014-07-15, 323, pp. 87-95., SCOPUS

[1.2] SATTARI, Hamed - SAHRAI, Mostafa. Refractive index switching based on loss controlling in a doped metamaterial slab. In Journal of the Optical Society of America B: Optical Physics. ISSN 07403224, 2014-06-01, 31, 6, pp. 1240-1247., SCOPUS

[1.2] VEHMAS, Joni - HRABAR, Silvio - TRETYAKOV, Sergei A. Omega transmission lines with applications to effective medium models of metamaterials. In Journal of Applied Physics. ISSN 00218979, 2014-04-07, 115, 13, 134905., SCOPUS

[1.2] WARNE, Larry K. - BASILIO, Lorena I. - LANGSTON, William L. - JOHNSON, William A. - SINCLAIR, Michael B. Perturbation theory in the design of degenerate spherical dielectric resonators. In IEEE Transactions on Antennas and Propagation. ISSN 0018926X, 2013-04-16, 61, 4, pp. 2130-2141., SCOPUS

[1.2] XU, Jingping - ALAMRI, M. D. - YANG, Yaping - ZHU, Shiyao - ZUBAIRY, M. Suhail. Casimir-Polder force on a two-level atom in a structure containing metamaterials. In Physical Review A Atomic, Molecular, and Optical Physics. ISSN 10502947, 2014-05-27, 89, 5, 053831., SCOPUS

[1.2] YANNOPAPAS, Vassilios - TZAVALA, Marilena - TSETSERIS, Leonidas. Arrays of carbon nanoscrolls as deep subwavelength magnetic metamaterials. In Physical Review B Condensed Matter and Materials Physics. ISSN 10980121, 2013-10-11, 88, 15, 155413., SCOPUS

- [1.2] YAN, Shaojiu - XÄL, Chengyan - JIANG, Jiantang - LIU, Dabo - WANG, Z. Y. - TANG, Jinke - ZHEN, Liang. Strong dual-frequency electromagnetic absorption in Ku-band of C@FeNi 3 core/shell structured microchains with negative permeability. In *Journal of Magnetism and Magnetic Materials*. ISSN 03048853, 2014-01-01, 349, pp. 159-164., SCOPUS
- [1.2] YU, Hao - DING, Xumin - WU, Qun - WU, Yuming. Broadband two-dimensional planar luneburg lens composed of gradient index metamaterials. In *IEEE Antennas and Propagation Society, AP-S International Symposium (Digest)*. ISSN 15223965, 2014-01-01, pp. 773-774., SCOPUS

ADCA484 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. (2.202 - IF2003). (2004 - Current Contents, SCOPUS). ISSN 1539-3755.

Ohlasy:

- [1.1] ANDRYIEUSKI, Andrei - HA, Sangwoo - SUKHORUKOV, Andrey A. - KIVSHAR, Yuri S. - LAVRINENKO, Andrei V. Bloch-mode analysis for retrieving effective parameters of metamaterials. In *PHYSICAL REVIEW B*. ISSN 1098-0121, 2012, vol. 86, no. 3, 035127., WOS
- [1.1] DUBOIS, J. - ARISTEGUI, C. - PONCELET, O. Spaces of electromagnetic and mechanical constitutive parameters for dissipative media with either positive or negative index. In *JOURNAL OF APPLIED PHYSICS*. ISSN 0021-8979, 2014, vol. 115, no. 2, 024902., WOS
- [1.1] HOU, Zhi-Ling - ZHANG, Min - KONG, Ling-Bao - FANG, Hui-Min - LI, Zhong-Jun - ZHOU, Hai-Feng - JIN, Hai-Bo - CAO, Mao-Sheng. Microwave permittivity and permeability experiments in high-loss dielectrics: Caution with implicit Fabry-Perot resonance for negative imaginary permeability. In *APPLIED PHYSICS LETTERS*. ISSN 0003-6951, 2013, vol. 103, no. 16, 162905., WOS
- [1.1] CHEN, Jiangwei - HE, Wenping - WANG, Wei - TAO, Zhikuo - XIE, Guozhi - XU, Weidong. Determining energy flow propagation direction of transmitted wave at an active medium-vacuum interface. In *JOURNAL OF QUANTITATIVE SPECTROSCOPY & RADIATIVE TRANSFER*. ISSN 0022-4073, 2013, vol. 119, pp. 155., WOS
- [1.1] CHEN, Jiangwei - HE, Wenping - WANG, Wei - TAO, Zhikuo - XIE, Guozhi. Effects of losses on energy flow propagation direction of transmitted waves at a lossy interface. In *JOURNAL OF MODERN OPTICS*. ISSN 0950-0340, 2013, vol. 60, no. 6, pp. 488., WOS
- [1.1] IWANAGA, Masanobu. Photonic metamaterials: a new class of materials for manipulating light waves. In *SCIENCE AND TECHNOLOGY OF ADVANCED MATERIALS*. ISSN 1468-6996, 2012, vol. 13, no. 5, 053002., WOS
- [1.1] KARAMANOS, Theodosios D. - DIMITRIADIS, Alexandros I. - KANTARTZIS, Nikolaos V. Robust technique for the polarisability matrix retrieval of bianisotropic scatterers via their reflection and transmission coefficients. In *IET MICROWAVES ANTENNAS & PROPAGATION*. ISSN 1751-8725, 2014, vol. 8, no. 15, pp. 1398., WOS
- [1.1] LEPETIT, T. - AKMANOY, E. - GANNE, J.P. Experimental evidence of resonant effective permittivity in a dielectric metamaterial. In *JOURNAL OF APPLIED PHYSICS*, 2011, vol.109, no.2., WOS

- [1.1] SABAH, C. - ROSKOS, H. G. Numerical and experimental investigation of fishnet-based metamaterial in a X-band waveguide. In JOURNAL OF PHYSICS D-APPLIED PHYSICS, 2011, vol.44, no.25., WOS
- [1.1] SLOVICK, Brian A. - YU, Zhi Gang - KRISHNAMURTHY, Srin. Generalized effective-medium theory for metamaterials. In PHYSICAL REVIEW B. ISSN 1098-0121, 2014, vol. 89, no. 15, 155118., WOS
- [1.1] SUN, Nan - MAO, Yiming - CHEN, Jiangwei - ZANG, Yang - WANG, Wei - TAO, Zhikuo - XIE, Guozhi. Effects of non-synchronized variations of electric and magnetic properties on transmitted waves at lossy interface. In JOURNAL OF QUANTITATIVE SPECTROSCOPY & RADIATIVE TRANSFER. ISSN 0022-4073, 2014, vol. 138, pp. 50., WOS
- [1.1] SYMS, R. R. A. - SOLYMAR, L. Effective permeability of a metamaterial: Against conventional wisdom. In APPLIED PHYSICS LETTERS. ISSN 0003-6951, 2012, vol. 100, no. 12, 124103., WOS
- [1.1] WANG, Y. Artificial permeability. In JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY, 2012, vol. 12, pp. 6521., WOS

ADCA485 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. (2.397 - IF2002). (2003 - Current Contents, SCOPUS). ISSN 1539-3755.

Ohlasy:

- [1.1] ALAEIAN, Hadiseh - DIONNE, Jennifer A. Plasmon nanoparticle superlattices as optical-frequency magnetic metamaterials. In OPTICS EXPRESS. ISSN 1094-4087, 2012, vol. 20, no. 14, pp. 15781., WOS
- [1.1] ANDRYIEUSKI, Andrei - HA, Sangwoo - SUKHORUKOV, Andrey A. - KIVSHAR, Yuri S. - LAVRINENKO, Andrei V. Bloch-mode analysis for retrieving effective parameters of metamaterials. In PHYSICAL REVIEW B. ISSN 1098-0121, 2012, vol. 86, no. 3, 035127., WOS
- [1.1] ASLAM, Muhammad I. - GUNEY, Durdu Oe. Dual-band, double-negative, polarization-independent metamaterial for the visible spectrum. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS. ISSN 0740-3224, 2012, vol. 29, no. 10, pp. 2839., WOS
- [1.1] CLAUSEN, N.C.J. In METAMATERIALS 2014- 8TH INTERNATIONAL CONGRESS ON ADVANCED ELECTROMAGNETIC MATERIALS IN MICROWAVES AND OPTICS, August 25-28, 2014, Copenhagen, Denmark., WOS
- [1.1] DUBROVINA, Natalia - LE CUNFF, Loic O. - BUROKUR, N. - GHASEMI, R. - DEGIROU, A. - DE LUSTRAC, A. - VIAL, A. - LERONDEL, G. - LUPU, A. Single metafilm effective medium behavior in optical domain: Maxwell-Garnett approximation and beyond. In APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING. ISSN 0947-8396, 2012, vol. 109, no. 4, pp. 901., WOS
- [1.1] DU, Guohong - LIU, Changjun. Multiband metamaterial structure: Butterfly-pattern resonator. In MICROWAVE AND OPTICAL TECHNOLOGY LETTERS. ISSN 0895-2477, 2012, vol. 54, no. 9, pp. 2179., WOS
- [1.1] GRAHN, P. In NEW JOURNAL OF PHYSICS, 2014, vol. 15, 113044., WOS
- [1.1] GRAHN, P. In NEW JOURNAL OF PHYSICS, 2013, vol. 15, 113044., WOS

- [1.1] HOLLOWAY, Ch.- KUESTER, E.F. In PHOTONIC AND NANOSTRUCTURES, 2014, vol. 11, pp. 397., WOS
- [1.1] HSIEH, Feng-Ju - WANG, Wei-Chih. Full extraction methods to retrieve effective refractive index and parameters of a bianisotropic metamaterial based on material dispersion models. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2012, vol. 112, no. 6, 064907., WOS
- [1.1] HSIEH, Feng-Ju - WANG, Wei-Chih - VARADAN, VK. Determination of effective boundaries and material properties of SRR-rod and fishnet metamaterials. In NANOSENSORS, BIOSENSORS, AND INFO-TECH SENSORS AND SYSTEMS 2012. ISSN 0277-786X, 2012, vol. 8344, 83441D., WOS
- [1.1] CHAKRABARTI, S. Magnetic response of split-ring resonator metamaterials. In PRAMANA, 2012, vol. 78, pp. 483., WOS
- [1.1] CHEN, W.C. - TOTACHAWATTANA, A. - FAN, K. - PONSETTO, J. L. - STRIKWERDA, A. C. - ZHANG, X. - AVERITT, R. D. - PADILLA, W. J. Single-layer terahertz metamaterials with bulk optical constants. In PHYSICAL REVIEW B. ISSN 1098-0121, 2012, vol. 85, no. 3, 035112., WOS
- [1.1] IWANAGA, Masanobu. Photonic metamaterials: a new class of materials for manipulating light waves. In SCIENCE AND TECHNOLOGY OF ADVANCED MATERIALS. ISSN 1468-6996, 2012, vol. 13, no. 5, 053002., WOS
- [1.1] KIM, Jungho - KIM, Kyoung-Youm - KIM, Sungchul. Universal Expression of the Optical Power Dissipation in Multilayer Structures with Complex Permittivity and Permeability. In JAPANESE JOURNAL OF APPLIED PHYSICS. ISSN 0021-4922, 2012, vol. 51, no. 2, 022001., WOS
- [1.1] KISHOR, K. et al. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B, 2014, vol. 31, pp. 1410-1414., WOS
- [1.1] LI JUN-CHENG - GUO LI-XIN - LIU SONG-HUA. Design and simulation of a single-sided left-handed material in THz regime. In ACTA PHYSICA SINICA. ISSN 1000-3290, 2012, vol. 61, no. 12, 124102., WOS
- [1.1] LI, Min-Hua. In MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, 2013, vol. 55, pp. 493., WOS
- [1.1] LI, Zhaofeng - AYDIN, Koray - OZBAY, Ekmel. Retrieval of effective parameters for bianisotropic metamaterials with omega shaped metallic inclusions. In PHOTONICS AND NANOSTRUCTURES-FUNDAMENTALS AND APPLICATIONS. ISSN 1569-4410, 2012, vol. 10, no. 3, pp. 329., WOS
- [1.1] MYOGA, Seiji - AMEMIYA, Tomohiro - ISHIKAWA, Atsushi - NISHIYAMA, Nobuhiko - TANAKA, Takuo - ARAI, Shigehisa. Carrier-concentration-dependent resonance frequency shift in a metamaterial loaded semiconductor. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS. ISSN 0740-3224, 2012, vol. 29, no. 8, pp. 2110., WOS
- [1.1] PARISI, G. - GAROLI, D. - NATALI, M. - ROMANATO, F. Design and Parametrical Analysis of Metamaterial Stacks in the Visible Spectral Range. In JOURNAL OF COMPUTATIONAL AND THEORETICAL NANOSCIENCE. ISSN 1546-1955, 2012, vol. 9, no. 3, pp. 448., WOS
- [1.1] PITAEVSKII, L. P. On analytical properties of the diamagnetic permeability in the presence of the spatial dispersion. In INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY. ISSN 0020-7608, 2012, vol. 112, no. 18, pp. 2998., WOS

- [1.1] QASRAWI, A. F. - ELAYYAT, S. M. S. - GASANLY, N. M. Dynamical and passive characteristics of the Ag/TlGaSeS/Ag RF resonators. In CRYSTAL RESEARCH AND TECHNOLOGY. ISSN 0232-1300, 2012, vol. 47, no. 6, pp. 615., WOS
- [1.1] SABAH, Cumali. Electric and magnetic excitations in anisotropic broadside-coupled triangular-split-ring resonators. In APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING. ISSN 0947-8396, 2012, vol. 108, no. 2, pp. 457., WOS
- [1.1] SABAH, C. Microwave response of octagon-shaped parallel plates: Low-loss metamaterial. In OPTICS COMMUNICATIONS. ISSN 0030-4018, 2012, vol. 285, no. 21-22, pp. 4549., WOS
- [1.1] SILVEIRINHA, Mario G. Examining the validity of Kramers-Kronig relations for the magnetic permeability. In PHYSICAL REVIEW B, 2011, vol.83, no.16., WOS
- [1.1] TANG, Ming-Chun - XIAO, Shaoqiu - BAI, Yan-Ying - DENG, Tianwei - LIU, Changrong - SHANG, Yuping - WEI, Chaolei - WANG, Bing-Zhong. Design of Hybrid Patch/Slot Antenna Operating in Induced "TM₁₂₀ Mode" In IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION. ISSN 0018-926X, 2012, vol. 60, no. 5, pp. 2157., WOS
- [1.1] URZHUMOV, Yaroslav - LEE, Jae Seung - TYLER, Talmage - DHAR, Sulochana - VINH NGUYEN - JOKERST, Nan M. - SCHMALENBERG, Paul - SMITH, David R. Electronically reconfigurable metal-on-silicon metamaterial. In PHYSICAL REVIEW B. ISSN 1098-0121, 2012, vol. 86, no. 7, 075112., WOS
- [1.1] WANG, Y. K. - DONG, Z. G. - ZHAI, Y. Artificial Permeability and Antibonding Magnetic Resonance in a Copper-Structured Metamaterial with Symmetry-Broken Ring-Plate Resonators. In JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY. ISSN 1533-4880, 2012, vol. 12, no. 8, pp. 6521., WOS
- [1.1] XIONG, Jiang - LIN, Xianqi - YU, Yufeng - TANG, Mingchun - XIAO, Shaoqiu - WANG, Bingzhong. Novel Flexible Dual-Frequency Broadside Radiating Rectangular Patch Antennas Based on Complementary Planar ENZ or MNZ Metamaterials. In IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION. ISSN 0018-926X, 2012, vol. 60, no. 8, pp. 3958., WOS
- [1.1] ZHANG, J. In OPTICS EXPRESS, 2014, vol. 21, pp. 26721., WOS
- [1.2] ALITALO, Pekka - CULHAOGLU, Ali Eren - SIMOVSKI, Constantin R. - TRETYAKOV, Sergei A. Antiresonance in the retrieved material parameters of periodic and aperiodic composite materials. In 2013 International Symposium on Electromagnetic Theory, EMTS 2013 Proceedings, 2013-09-04, pp. 380-383., SCOPUS
- [1.2] ALITALO, Pekka - CULHAOGLU, Ali Eren - SIMOVSKI, Constantin R. - TRETYAKOV, Sergei A. Experimental study of anti-resonant behavior of material parameters in periodic and aperiodic composite materials. In Journal of Applied Physics. ISSN 00218979, 2013-06-14, 113, 22, 224903., SCOPUS
- [1.2] ALÙ, A. First-principles homogenization theory for periodic metamaterials. In Physical Review B Condensed Matter and Materials Physics, 2011, vol.84, no.7., SCOPUS
- [1.2] ALÙ, A. Restoring the physical meaning of metamaterial constitutive parameters. In Physical Review B Condensed Matter and Materials Physics, 2011, vol.83, no.8., SCOPUS

- [1.2] ALÙ, A. - YAGHJIAN, A.D. - SHORE, R.A. - SILVEIRINHA, M.G. Causality relations in the homogenization of metamaterials. In *Physical Review B Condensed Matter and Materials Physics*, 2011, vol.84, no.5., SCOPUS
- [1.2] ASLAM, M.I. - GÜNEY, D.Ö. Surface plasmon driven scalable low-loss negative-index metamaterial in the visible spectrum. In *Physical Review B Condensed Matter and Materials Physics*, 2011, vol.84, no.19., SCOPUS
- [1.2] BRÜCKNER, Jean Baptiste - ROUZO, Judikaël Le - ESCOUBAS, Ludovic - BERGINC, Gérard - CALVO-PEREZ, Olivier - VUKADINOVIC, Nicolas - FLORY, François R. Metamaterial filters at optical-infrared frequencies. In *Optics Express*, 2013-07-15, 21, 14, pp. 16992-17006., SCOPUS
- [1.2] BRÜCKNER, Jean Baptiste - LE ROUZO, Judikaël - ESCOUBAS, Ludovic - BERGINC, Gérard - CALVO-PEREZ, Olivier - VUKADINOVIC, Nicolas - FLORY, François R. Metamaterials for visible and near infrared antireflective properties and large surface elaboration. In *Proceedings of SPIE The International Society for Optical Engineering*. ISSN 0277786X, 2013-05-29, 8619, 86190S., SCOPUS
- [1.2] DE DIOS RUIZ, Juan - HINOJOSA, Juan Manuel. Shunt series LC circuit for compact coplanar waveguide notch filter design. In *IET Microwaves, Antennas and Propagation*. ISSN 17518725, 2014-01-30, 8, 2, pp. 125-129., SCOPUS
- [1.2] DOMINEC, Filip - KADLEC, Christelle - NĚMEC, Hynek - KUŽEL, Petr - KADLEC, F. Transition between metamaterial and photonic-crystal behavior in arrays of dielectric rods. In *Optics Express*, 2014-01-01, 22, 25, pp. 30492-30503., SCOPUS
- [1.2] DUBOIS, Jonathan J. - ARISTÉGUI, Christophe - PONCELET, Olivier. Spaces of electromagnetic and mechanical constitutive parameters for dissipative media with either positive or negative index. In *Journal of Applied Physics*. ISSN 00218979, 2014-01-14, 115, 2, 024902., SCOPUS
- [1.2] GONG, J.-Q. - LIANG, C.-H. Extraction algorithm for retrieving the effective constitutive parameters of metamaterials based on TE 10 rectangular waveguide. In *Wuli Xuebao/Acta Physica Sinica*, 2011, vol.60, no.5., SCOPUS
- [1.2] GRIGORIEV, Victor V. - DEMÉSY, Guillaume - WENGER, Jérôme - BONOD, Nicolas. Singular analysis to homogenize planar metamaterials as nonlocal effective media. In *Physical Review B Condensed Matter and Materials Physics*. ISSN 10980121, 2014-06-03, 89, 24, 245102., SCOPUS
- [1.2] HOLLOWAY, Christopher L. - KUESTER, Edward F. Corrections to the classical continuity boundary conditions at the interface of a composite medium. In *Photonics and Nanostructures Fundamentals and Applications*. ISSN 15694410, 2013-11-01, 11, 4, pp. 397-422., SCOPUS
- [1.2] HOU, Zhiling - ZHANG, Min - KONG, Lingbao - FANG, Huimin - LI, Zhongjun - ZHOU, Haifeng - JIN, Haibo - CAO, Maosheng. Microwave permittivity and permeability experiments in high-loss dielectrics: Caution with implicit Fabry-Pérot resonance for negative imaginary permeability. In *Applied Physics Letters*. ISSN 00036951, 2013-10-14, 103, 16, 162905., SCOPUS
- [1.2] INAMDAR, Kirti - KOSTA, Yogeshwar Prashad - PATNAIK, Suprava S. Simulation-based analysis of performance parameters of microstrip antennas with criss-cross metamaterial-based artificial substrate. In *Waves in Random and Complex Media*. ISSN 17455030, 2014-01-01, 24, 4, pp. 463-476., SCOPUS
- [1.2] JUDGE, Alexander C. - STEEL, Michael J. - SIPE, John E. - DE STERKE, Carel Martijn. Canonical quantization of macroscopic electrodynamics

in a linear, inhomogeneous magnetoelectric medium. In *Physical Review A Atomic, Molecular, and Optical Physics*. ISSN 10502947, 2013-03-21, 87, 3, 033824., SCOPUS

[1.2] KARAMANOS, Theodosios D. - ASSIMONIS, Stylianos D. - DIMITRIADIS, Alexandros I. - KANTARTZIS, Nikolaos V. Effective parameter extraction of 3D metamaterial arrays via first-principles homogenization theory. In *Photonics and Nanostructures Fundamentals and Applications*. ISSN 15694410, 2014-01-01, 12, 4, pp. 291-297., SCOPUS

[1.2] KARAMANOS, Theodosios D. - DIMITRIADIS, Alexandros I. - KANTARTZIS, Nikolaos V. Robust technique for the polarisability matrix retrieval of bianisotropic scatterers via their reflection and transmission coefficients. In *IET Microwaves, Antennas and Propagation*. ISSN 17518725, 2014-01-01, 8, 15, pp. 1398-1407., SCOPUS

[1.2] KHAN, Saima I. - DE LA RUE, Richard M. - DRYSDALE, Timothy D. - JOHNSON, Nigel P. Electromagnetic parameter retrieval at oblique incidence. In *Proceedings of SPIE The International Society for Optical Engineering*. ISSN 0277786X, 2013-07-24, 8771, UNSP 877118., SCOPUS

[1.2] KHAN, Saimaishfaq - SHARP, Graham J. - DE LA RUE, Richard M. - DRYSDALE, Timothy D. - JOHNSON, Nigel P. Modelling angle resolved complex reflection and transmission coefficients from fishnet structure formed from nanoimprint lithography. In *Proceedings of SPIE The International Society for Optical Engineering*. ISSN 0277786X, 2014-01-01, 9125, 91251H., SCOPUS

[1.2] KISHOR, Kamal - BAITHA, Monu Nath - SINHA, Ravindra Kumar - LAHIRI, Basudev B. Tunable negative refractive index metamaterial from V-shaped SRR structure: Fabrication and characterization. In *Journal of the Optical Society of America B: Optical Physics*. ISSN 07403224, 2014-07-01, 31, 7, pp. 1410-1414., SCOPUS

[1.2] KUMAR, Rahul - ARORA, Ankit - RAY, Shaumik - PESALA, Bala - BHATTACHARYA, Enakshi - KRISHNAN, Ananth. Observation and phenomenological interpretation of shifts in electrical resonance of square shaped planar THz Split Ring Resonators. In *Progress in Electromagnetics Research Symposium*. ISSN 15599450, 2014-01-01, pp. 1212-1216., SCOPUS

[1.2] LANNEBÈRE, Sylvain - CAMPIONE, Salvatore - ARADIAN, Ashod - ALBANI, Matteo - CAPOLINO, Filippo. Artificial magnetism at terahertz frequencies from three-dimensional lattices of TiO₂ microspheres accounting for spatial dispersion and magnetoelectric coupling. In *Journal of the Optical Society of America B: Optical Physics*. ISSN 07403224, 2014-05-01, 31, 5, pp. 1078-1086., SCOPUS

[1.2] LAN, Chuwen - BI, Ke - LI, Bo - CUI, Xiaohan - ZHOU, Ji - ZHAO, Qian. Hyperbolic metamaterial based on anisotropic Mie-type resonance. In *Optics Express*, 2013-12-02, 21, 24, pp. 29592-29600., SCOPUS

[1.2] LEPETIT, T. - AKMANSOY, É. - GANNE, J.-P. Experimental evidence of resonant effective permittivity in a dielectric metamaterial. In *Journal of Applied Physics*, 2011, vol.109, no.2., SCOPUS

[1.2] LIN, Xianqi - JIN, Junye - JIANG, Yuan - FAN, Yong. Metamaterial-inspired waveguide filters with compact size and sharp skirt selectivity. In *Journal of Electromagnetic Waves and Applications*. ISSN 09205071, 2013-04-08, 27, 2, pp. 224-232., SCOPUS

[1.2] LIU, Lingyun - YANG, Dongping - ZHOU, Yuanming - ZHOU, Ji. Artificial isotropic magnetism and negative refraction of metamaterial consisting

- of dielectric spherical shells. In *Applied Physics A: Materials Science and Processing*. ISSN 09478396, 2014-01-01, 117, 2, pp. 747-753., SCOPUS
- [1.2] LI, D. - QIN, L. - XIONG, X. - PENG, R.-W. - HU, Q. - MA, G.-B. - ZHOU, H.-S. - WANG, M. Exchange of electric and magnetic resonances in multilayered metal/dielectric nanoplates. In *Optics Express*, 2011, vol.19, no.23, 22942-22949., SCOPUS
- [1.2] LI, Jinying - YANG, Rongcao - GUO, Shuqin - TIAN, Jinping - XUE, Wenrui. Design of multi-band negative index metamaterial at the microwave band. In *Guangxue Xuebao/Acta Optica Sinica*. ISSN 02532239, 2014-01-01, 34., SCOPUS
- [1.2] LI, X. - HAN, X. - DU, Y. - XU, P. Magnetic and electromagnetic properties of composites of iron oxide and CoB alloy prepared by chemical reduction. In *Journal of Magnetism and Magnetic Materials*, 2011, vol.323, no.1, 14-21., SCOPUS
- [1.2] LI, Zhaofeng - MUTLU, Mehmet Mete - ÖZBAY, Ekmel. Chiral metamaterials: From optical activity and negative refractive index to asymmetric transmission. In *Journal of Optics (United Kingdom)*. ISSN 20408978, 2013-02-01, 15, 2, 023001., SCOPUS
- [1.2] MARKEL, Vadim A. - TSUKERMAN, Igor A. Current-driven homogenization and effective medium parameters for finite samples. In *Physical Review B Condensed Matter and Materials Physics*. ISSN 10980121, 2013-09-23, 88, 12, 125131., SCOPUS
- [1.2] MICHIELS, B. - BOGAERT, I. - FOSTIER, J. - ZUTTER, D.D. Swiss roll ensemble homogenization by full-wave simulations. In *Microwave and Optical Technology Letters*, 2011, vol.53, no.10, 2268-2274., SCOPUS
- [1.2] MIN-HUA, Li - HE-LIN, Yang - HAI, Lin - BO-XUN, Xiao. Design, measurement, and characterization of dual-band left-handed metamaterials with combined elements. In *Microwave and Optical Technology Letters*. ISSN 08952477, 2013-03-01, 55, 3, pp. 493-497., SCOPUS
- [1.2] POPA, Bogdan Ioan - ZIGONEANU, Lucian - CUMMER, Steven A. Tunable active acoustic metamaterials. In *Physical Review B Condensed Matter and Materials Physics*. ISSN 10980121, 2013-07-16, 88, 2, 024303., SCOPUS
- [1.2] QASRAWI, Ate F. Illumination effects on the capacitance spectra and signal quality factor of Al/InSe/C microwave sensors. In *Journal of Electronic Materials*. ISSN 03615235, 2013-06-01, 42, 6, pp. 1033-1036., SCOPUS
- [1.2] QASRAWI, Ate F. - ABU-ZAID, Samah F. - GHANAMEH, Salam A. - GASANLY, Nizami Mi. Dielectric and photo-dielectric properties of TiGaSeS crystals. In *Bulletin of Materials Science*. ISSN 02504707, 2014-01-01, 37, 3, pp. 505-509., SCOPUS
- [1.2] QASRAWI, Ate F. - BZOUR, Faten M. - NAZZAL, Eman O. - MERGEN, Ayhan. Electrical conductivity and capacitance spectra of Bi_{1.37}Sm_{0.13}Zn_{0.92}Nb_{1.50}O_{6.92} pyrochlore ceramic in the range of 0-3 GHz. In *Functional Materials Letters*. ISSN 17936047, 2014-01-01, 7, 2, 1450018., SCOPUS
- [1.2] RIZWAN, Muhammad Shahriar - JIN, Haibo - REHMAN, Fida - HOU, Zhiling - KONG, Lingbao - LI, Jingbo - BUTT, Faheem K. - DOU, Yankun - ALI, Zulfiqar - TAHIR, Muhammad Ashraf. Numerical study of an a-shape negative refractive index material. In *Chinese Journal of Physics*. ISSN 05779073, 2014-01-01, 52, 5, pp. 1521-1527., SCOPUS
- [1.2] RIZWAN, Muhammad Shahriar - JIN, Haibo - REHMAN, Fida - HOU,

- Zhiling - LI, Jingbo - BUTT, Faheem K. - ALI, Zulfiqar. Dual-band tunable negative refractive index metamaterial with F-Shape structure. In Central European Journal of Physics. ISSN 18951082, 2014-01-01, 12, 8, pp. 578-581., SCOPUS
- [1.2] SABAH, C. - ROSKOS, H.G. Numerical and experimental investigation of fishnet-based metamaterial in a X-band waveguide. In Journal of Physics D: Applied Physics, 2011, vol.44, no.25., SCOPUS
- [1.2] SAVO, S. - CASSE, B.D.F. - LU, W. - SRIDHAR, S. Observation of slow-light in a metamaterials waveguide at microwave frequencies. In Applied Physics Letters, 2011, vol.98, no.17., SCOPUS
- [1.2] SIMOVSKI, C.R. On electromagnetic characterization and homogenization of nanostructured metamaterials. In Journal of Optics, 2011, vol.13, no.1., SCOPUS
- [1.2] SLOVICK, Brian A. - YU, Zhigang - BERDING, Marcy - KRISHNAMURTHY, Srin. Perfect dielectric-metamaterial reflector. In Physical Review B Condensed Matter and Materials Physics. ISSN 10980121, 2013-10-09, 88, 16, 165116., SCOPUS
- [1.2] SLOVICK, Brian A. - YU, Zhigang - KRISHNAMURTHY, Srin. Generalized effective-medium theory for metamaterials. In Physical Review B Condensed Matter and Materials Physics. ISSN 10980121, 2014-04-14, 89, 15, 155118., SCOPUS
- [1.2] SUN, Nan - MAO, Yiming - CHEN, Jiangwei - ZANG, Yang - WANG, Wei - TAO, Zhikuo - XIE, Guozhi. Effects of non-synchronized variations of electric and magnetic properties on transmitted waves at lossy interface. In Journal of Quantitative Spectroscopy and Radiative Transfer. ISSN 00224073, 2014-05-01, 138, pp. 50-59., SCOPUS
- [1.2] SZABELAK, W. - NASALSKI, W. Enhancement of cross-polarized beam components at a metamaterial surface. In Applied Physics B: Lasers and Optics, 2011, vol.103, no.2, 369-375., SCOPUS
- [1.2] TANG, M.-C. - XIAO, S. - WANG, B. - GUAN, J. - DENG, T. Improved performance of a microstrip phased array using broadband and ultra-low-loss metamaterial slabs. In IEEE Antennas and Propagation Magazine, 2011, vol.53, no.6, 31-41., SCOPUS
- [1.2] TANG, M.-C. - XIAO, S.-Q. - WANG, D. - GE, G.-D. - BAI, Y.-Y. - ZHANG, J.-R. - WANG, B.-Z. Expanding the bandwidth of planar MNG materials with co-directional split-ring resonators. In Chinese Physics B, 2011, vol.20, no.6., SCOPUS
- [1.2] TANG, M.-C. - XIAO, S. - DENG, T. - WANG, D. - GUAN, J. - WANG, B. - GE, G.-D. Compact UWB antenna with multiple band-notches for WiMAX and WLAN. In IEEE Transactions on Antennas and Propagation, 2011, vol.59, no.4, 1372-1376., SCOPUS
- [1.2] TANG, M.-C. - XIAO, S. - WANG, D. - XIONG, J. - CHEN, K. - WANG, B. Negative index of reflection in planar metamaterial composed of single split-ring resonators. In Applied Computational Electromagnetics Society Journal, 2011, vol.26, no.3, 250-258., SCOPUS
- [1.2] TSUKERMAN, Igor A. - MARKEL, Vadim A. A non-asymptotic homogenization theory for periodic electromagnetic structures. In Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences. ISSN 13645021, 2014-08-08, 470, 2168, 201402245., SCOPUS
- [1.2] VEHMAS, Joni - HRABAR, Silvio - TRETYAKOV, Sergei A. Omega

transmission lines with applications to effective medium models of metamaterials. In Journal of Applied Physics. ISSN 00218979, 2014-04-07, 115, 13, 134905., SCOPUS

[1.2] VOROBYEV, Oleg B. Propagation of electromagnetic energy through a dispersive and absorptive medium. In Journal of Modern Optics. ISSN 09500340, 2013-10-07, 60, 15, pp. 1253-1262., SCOPUS

[1.2] WALLÉN, H. - KETTUNEN, H. - QI, J. - SIHVOLA, A. Anti-resonant response of resonant inclusions? In 2011 30th URSI General Assembly and Scientific Symposium, URSIGASS 2011, 2011., SCOPUS

[1.2] WANG, A. - TUNIZ, A. - HUNT, P.G. - POGSON, E.M. - LEWIS, R.A. - BENDAVID, A. - FLEMING, S.C. - KUHLMEY, B.T. - LARGE, M.C.J. Fiber metamaterials with negative magnetic permeability in the terahertz. In Optical Materials Express, 2011, vol.1, no.1, 115-120., SCOPUS

[1.2] WANG, Jiafu - QU, Shaobo - XU, Zhuo - MA., Hua - DU, Hongliang - WANG, Jun - CHEN, Hongya. Wide-angle polarization-independent planar magnetic metamaterials based on dielectric resonators. In Progress in Electromagnetics Research Symposium. ISSN 15599450, 2014-01-01, pp. 89-94., SCOPUS

[1.2] WANG, W. - XU, W.K. - HAI, H. An effective method for designing new structural left-handed material based on topology optimisation. In EPJ Applied Physics, 2011, vol.53, no.2., SCOPUS

[1.2] XU, Hexiu - WANG, Guangming - ZHANG, Chenxin - LIU, Qiang - XU, Zhiming - CHE, Xin - ZHAI, DaiLiang. Multi-band left-handed metamaterial inspired by tree-shaped fractal geometry. In Photonics and Nanostructures Fundamentals and Applications. ISSN 15694410, 2013-02-01, 11, 1, pp. 15-28., SCOPUS

[1.2] XU, Jingping - ALAMRI, M. D. - YANG, Yaping - ZHU, Shiyao - ZUBAIRY, M. Suhail. Casimir-Polder force on a two-level atom in a structure containing metamaterials. In Physical Review A Atomic, Molecular, and Optical Physics. ISSN 10502947, 2014-05-27, 89, 5, 053831., SCOPUS

[1.2] XU, L. - ZHANG, Z.-J. - JAE LEE, B. Magnetic resonance on core-shell nanowires with notches. In Applied Physics Letters, 2011, vol.99, no.10., SCOPUS

[1.2] YAHIAOUI, Riad - CHUNG, U. Chan - BUROKUR, Shah Nawaz - DE LUSTRAC, André - ELISSALDE, Catherine - MAGLIONE, Mario - VIGNÉRAS, Valérie - MOUNAIX, P. Broadband effective magnetic response of inorganic dielectric resonator-based metamaterial for microwave applications. In Applied Physics A: Materials Science and Processing. ISSN 09478396, 2014-03-01, 114, 3, pp. 997-1002., SCOPUS

[1.2] YAN, Shaojiu - XÜ, Chengyan - JIANG, Jiantang - LIU, Dabo - WANG, Z. Y. - TANG, Jinke - ZHEN, Liang. Strong dual-frequency electromagnetic absorption in Ku-band of C@FeNi 3 core/shell structured microchains with negative permeability. In Journal of Magnetism and Magnetic Materials. ISSN 03048853, 2014-01-01, 349, pp. 159-164., SCOPUS

[1.2] YILMAZ, Adem Emre - SABAH, Cumali. Diamond-shaped hole array in double-layer metal sheets for negative index of refraction. In Journal of Electromagnetic Waves and Applications. ISSN 09205071, 2013-04-08, 27, 4, pp. 413-420., SCOPUS

[1.2] YU, Hao - DING, Xumin - WU, Qun - WU, Yuming. Broadband two-dimensional planar luneburg lens composed of gradient index metamaterials.

- In IEEE Antennas and Propagation Society, AP-S International Symposium (Digest). ISSN 15223965, 2014-01-01, pp. 773-774., SCOPUS
- [1.2] ZHANG, Jianfa - MACDONALD, Kevin F. - ZHELUDEV, Nikolay I. Near-infrared trapped mode magnetic resonance in an all-dielectric metamaterial. In Optics Express, 2013-11-04, 21, 22, pp. 26721-26728., SCOPUS
- [1.2] ZHANG, L.-L. - XU, Z. - QU, S.-B. - WEI, X.-Y. - ZHANG, A.-X. - XIA, S. - XIE, F. Characteristics of left-handed materials with magnetic resonance and electric anti-resonance based on ceramics. In Ferroelectrics, 2011, vol.411, no.1, 79-85., SCOPUS
- [1.2] ZHANG, Peng - ZHAO, Ming - WU, Lin - LU, ZeQin - CHENG, Yongzhi - GONG, Rongzhou - YANG, ZhenYu. Electromagnetic behaviors in a bilayered metal helical structure. In Optik. ISSN 00304026, 2014-03-01, 125, 6, pp. 1723-1726., SCOPUS
- [1.2] ZHAO, Y. - CHEN, F. - SHEN, Q. - LIU, Q. - ZHANG, L. Optimizing low loss negative index metamaterial for visible spectrum using differential evolution. In Optics Express, 2011, vol.19, no.12, 11605-11614., SCOPUS
- [1.2] ZHI, H.J. - BOSSARD, J.A. - WANG, X. - WERNER, D.H. Synthesizing metamaterials with angularly independent effective medium properties based on an anisotropic parameter retrieval technique coupled with a genetic algorithm. In Journal of Applied Physics, 2011, vol.109, no.1., SCOPUS
- [1.2] ZHU, C. - LIANG, C. - LI, L. - DANG, X. - SU, Z. - CHEN, X. Triangular metamaterials with distinct electric and magnetic responses. In Hsi-An Chiao Tung Ta Hsueh/Journal of Xi'an Jiaotong University, 2011, vol.45, no.2, 87-91., SCOPUS
- [1.2] ZHU, C. - LI, L. - LIANG, C.H. The negative permittivity and permeability characteristics of triangular electromagnetic resonators. In International Journal of Modern Physics B, 2011, vol.25, no.18, 2441-2447., SCOPUS
- [1.2] ZYABLOVSKY, A.A. - DOROFEENKO, A.V. - VINOGRADOV, A.P. - PUKHOV, A.A. Light propagation in photonic crystal with gain: Applicability of the negative loss approximation. In Photonics and Nanostructures Fundamentals and Applications, 2011, vol.9, no.4, 398-404., SCOPUS

ADCA486 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. ISSN 0950-0340.

Ohlasy:

- [1.1] PAWELA, L. - SLADKOWSKI, J. Cooperative quantum Parrondo's games. In PHYSICA D, vol. 256, 2013, p. 51-57., WOS
- [1.2] CHANDRASHEKAR, C.M. - BANERJEE, S. Parrondos game using a discrete-time quantum walk. In Physics Letters, Section A: General, Atomic and Solid State Physics, 2011, vol.375, no.14, 1553-1558., SCOPUS
- [1.2] WANG, L. - XIE, N.-G. - ZHU, Y.-F. - YE, Y. - MENG, R. Parity effect of the initial capital based on Parrondo's games and the quantum interpretation. In Physica A: Statistical Mechanics and its Applications, 2011, vol.390, no.23-24, 4535-4542., SCOPUS

ADCA487 KOŠÍK, Jozef - BUŽEK, Vladimír - HILLERY, M. Quantum walks with random phase shifts. In *Physical Review A*, 2006, vol. 74, 022310. (2006 - Current Contents, SCOPUS). ISSN 1050-2947.

Ohlasy:

[1.1] AHLBRECHT, A. - VOGTS, H. - WERNER, A. H. - WERNER, R. F. Asymptotic evolution of quantum walks with random coin. In *JOURNAL OF MATHEMATICAL PHYSICS*, 2011, vol.52, no.4., WOS

[1.1] AMPADU, Clement. Brun-Type Formalism for Decoherence in Two-Dimensional Quantum Walks. In *COMMUNICATIONS IN THEORETICAL PHYSICS*. ISSN 0253-6102, 2012, vol. 57, no. 1, pp. 41., WOS

[1.1] AMPADU, Clement. Limit theorems for decoherent two dimensional quantum walks. In *QUANTUM INFORMATION PROCESSING*. ISSN 1570-0755, 2012, vol. 11, no. 6, pp. 1921., WOS

[1.1] ANDRADE, F. M. - DA LUZ, M. G. E. Green-function approach for scattering quantum walks. In *PHYSICAL REVIEW A*, 2011, vol.84, no.4., WOS

[1.1] ANDRADE, F. M. - DA LUZ, M. G. E. Superdiffusivity of quantum walks: A Feynman sum-over-paths description. In *PHYSICAL REVIEW A*. ISSN 1050-2947, 2012, vol. 86, no. 4, 042309., WOS

[1.1] DIMCOVIC, Zlatko - ROCKWELL, Daniel - MILLIGAN, Ian - BURTON, Robert M. - THINH NGUYEN - KOVCHegov, Yevgeniy. Framework for discrete-time quantum walks and a symmetric walk on a binary tree. In *PHYSICAL REVIEW A*, 2011, vol.84, no.3., WOS

[1.1] ELIAS VENEGAS-ANDRACA, Salvador. Quantum walks: a comprehensive review. In *QUANTUM INFORMATION PROCESSING*. ISSN 1570-0755, 2012, vol. 11, no. 5, pp. 1015., WOS

[1.1] OBUSE, Hideaki - KAWAKAMI, Norio. Topological phases and delocalization of quantum walks in random environments. In *PHYSICAL REVIEW B*, 2011, vol.84, no.19., WOS

[1.1] PANDEY, Deepak - SATAPATHY, Nandan - MEENA, M. S. - RAMACHANDRAN, Hema. Quantum walk of light in frequency space and its controlled dephasing. In *PHYSICAL REVIEW A*, 2011, vol.84, no.4., WOS

[1.1] SVOZILIK, J. - LEON-MONTIEL, R. de J. - TORRES, J. P. Implementation of a spatial two-dimensional quantum random walk with tunable decoherence. In *PHYSICAL REVIEW A*. ISSN 1050-2947, 2012, vol. 86, no. 5, 052327., WOS

ADCA488 KOŠÍK, 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.

Ohlasy:

[1.1] ELIAS VENEGAS-ANDRACA, Salvador. Quantum walks: a comprehensive review. In *QUANTUM INFORMATION PROCESSING*. ISSN 1570-0755, 2012, vol. 11, no. 5, pp. 1015., WOS

[1.1] MAKMAL, Adi - ZHU, Manran - MANZANO, Daniel - TIERSCH, Markus - BRIEGEL, Hans J. Quantum walks on embedded hypercubes. In *PHYSICAL REVIEW A*. ISSN 1050-2947, 2014, vol. 90, no. 2, 022314., WOS

[1.1] VENANCIO, B. F. - ANDRADE, F. M. - DA LUZ, M. G. E. Unveiling and exemplifying the unitary equivalence of discrete time quantum walk models. In *JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL*. ISSN 1751-8113, 2013, vol. 46, no. 16, 165302., WOS

ADCA489 KOTULIČ BUNTA, Juraj - GMUCA, Štefan. Asymmetric nuclear matter in the relativistic meanfield approach with vector cross interaction. In *Physical Review C. Nuclear physics*, 2003, vol. 68, no. 5, 054318. (2.848 - IF2002). (2003 - Current Contents, WOS, SCOPUS). ISSN 0556-2813.

Ohlasy:

[1.1] CAI, B.-J. Lorentz covariant nucleon self-energy decomposition. In *PHYSICS LETTERS B*, 2012, vol. 711, p. 104-108., WOS

[1.1] DUTRA, M. In *PHYSICAL REVIEW C*, 2014, vol. 90, no. 5, 055203., WOS

[1.1] SINGH, S.K. In *JOURNAL OF PHYSICS G*, 2014, vol. 41, no. 5, 055201., WOS

[1.1] SINGH, S.K. In *PHYSICAL REVIEW C*, 2014, vol. 89, no. 4, 044110., WOS

[1.1] URBANEC, M.-BETAK, E.-STUCHLIK, Z. Influence of strange matter admixtures on macroscopic properties of neutron stars. In *AIP CONFERENCE PROCEEDINGS*, 2011, VOL. 1377, P. 275-279., WOS

[1.1] URBANEC, M.-BETAK, E.-STUCHLIK, Z. Macroscopic properties of neutron stars. In *JOURNAL OF PHYSICS CONFERENCE SERIES*, 2012, vol. 337, UNSP 01221., WOS

ADCA490 KOZMA, P. - KLIMAN, Ján. Spallation of nickel by 9 GeV/C protons and deuterons. In *Journal of Physics G: Nuclear and particle physics*, 1990, vol. 16, no. 1, p. 45-53. ISSN 0954-3899.

Ohlasy:

[1.1] FORMAN, L. - DIOSZEGI, I. - SALWEN, C. - VANIER, P.E. Long range active detection of HEU based on thermal neutron multiplication. In *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, 2011, vol.652, no.1, 45-47., WOS

[1.1] HOVHANNISYAN, G. H. - DANAGULYAN, A. S. - BALABEKYAN, A. R. - ADAM, J. - KALINNIKOV, V. G. - PRONSKIKH, V. S. - SOLNYSHKIN, A. A. - TSOUPKO-SITNIKOV, V. M. - VLADIMIROVA, N. M. Interaction of C-12 Ions with Nuclei of Enriched Tin Isotopes at an Energy of 2.2 GeV per Nucleon. In *PHYSICS OF ATOMIC NUCLEI*. ISSN 1063-7788, 2012, vol. 75, no. 2, pp. 125., WOS

ADCA491 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 $(64)\text{Ni} + (238)\text{U}$ being an option of synthesizing element 120. In *Physics Letters B*, 2010, vol. 686, no. 4-5, p. 227-232. (5.083 - IF2009). (2010 - Current Contents, WOS, SCOPUS). ISSN 0370-2693.

Ohlasy:

[1.1] BACK, B.B. et al. In *REVIEWS OF MODERN PHYSICS*, 2014, vol. 86, no. 1., WOS

- [1.1] DU RIETZ, R. Predominant time scales in fission processes. In PHYSICAL REVIEW LETTERS, 2011, vol. 106, no. 5, 052701., WOS
- [1.1] FREGEAU, M.O. et al. In PHYSICAL REVIEW LETTERS, vol. 108, 2012, 122701., WOS
- [1.1] LOVELAND, W. In JOURNAL OF PHYSICS CONFERENCE SERIES, 2013, vol. 420, 012004., WOS
- [1.1] LOVELAND, W. Synthesis of heavy nuclei. In PHYSICAL REVIEW C, 2011, vol. 83, 044610., WOS
- [1.1] MIREA, M. In JOURNAL OF PHYSICS CONFERENCE SERIES, 2013, vol. 413, 012013., WOS
- [1.1] SAGAIDAK, R.N. In EPJ WEB OF CONFERENCE, vol. 21, 2012, 06001., WOS
- [1.1] SANDULESCU, A. In EPL, 2013, vol. 101, 62001., WOS
- [1.1] SANDULESCU, A. In ROMANIAN JOURNAL OF PHYSICS, 2013, vol. 58, p. 1148., WOS
- [1.1] SANDULESCU, A.- MIREA, M. In EUROPEAN PHYSICAL JOURNAL A, 2014, vol. 50, 110., WOS
- [1.1] WAKHLE, A. et al. In PHYSICAL REVIEW LETTERS, 2014, vol. 113, 182502., WOS
- [1.1] YANEZ, R. In PHYSICAL REVIEW C, 2013, vol. 88, UNSP 0147606., WOS

ADCA492 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. (3.185 - IF2005). (2006 - Current Contents, WOS, SCOPUS). ISSN 1098-0121.

Ohlasy:

- [1.1] MAEADER, Ruben - WIDMER, Roland - GROENING, Pierangelo - STEURER, Walter - GROENING, Oliver. Correlating scanning tunneling spectroscopy with the electrical resistivity of Al-based quasicrystals and approximants. In PHYSICAL REVIEW B. ISSN 1098-0121, 2013, vol. 87, no. 7, 075425., WOS
- [1.1] ZENKYU, R. - YUHARA, J. - MATSUI, T. - ZAMAN, S. Shah - SCHMID, M. - VARGA, P. Composition and local atomic arrangement of decagonal Al-Co-Cu quasicrystal surfaces. In PHYSICAL REVIEW B. ISSN 1098-0121, 2012, vol. 86, no. 11, 115422., WOS
- [1.2] ALARCÓN VILLASECA, S. - DUBOIS, J.-M. - GAUDRY, É. First-principles study of low-index surfaces of the Al₅Co₂ complex metallic alloy. In *Philosophical Magazine*, 2011, vol.91, no.19-21, 2894-2903., SCOPUS
- [1.2] SHIN, H. - PUSSI, K. - GAUDRY, É. - LEDIEU, J. - FOURNÉE, V. - ALARCÓN VILLASECA, S. - DUBOIS, J.-M. - GRIN, Y. - GILLE, P. - MORITZ, W. - DIEHL, R.D. Structure of the orthorhombic Al₁₃Co₄(100) surface using LEED, STM, and ab initio studies. In *Physical Review B Condensed Matter and Materials Physics*, 2011, vol.84, no.8, 085411., SCOPUS
- [1.2] YUHARA, J. - SATO, M. - MATSUI, T. - TSAI, A.P. Multi-cluster model of Al-Co-Ni Co-rich quasicrystal. In *Philosophical Magazine*, 2011, vol.91, no.19-21, 2846-2853., SCOPUS

ADCA493 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. (3.075 - IF2004). (2005 - Current Contents). ISSN 1098-0121.

Ohlasy:

[1.1] MCGRATH, R. - SHARMA, H. R. - SMERDON, J. A. - LEDIEU, J. The memory of surfaces: epitaxial growth on quasi-crystals. In PHILOSOPHICAL TRANSACTIONS OF THE ROYAL SOCIETY A-MATHEMATICAL PHYSICAL AND ENGINEERING SCIENCES. ISSN 1364-503X, 2012, vol. 370, no. 1969, pp. 2930., WOS

[1.1] SHARMA, H. R. - SMERDON, J. A. - YOUNG, K. M. - MCGRATH, R. Epitaxial Bi allotropes on quasicrystal surfaces as templates for adsorption of pentacene and fullerene. In JOURNAL OF PHYSICS-CONDENSED MATTER. ISSN 0953-8984, 2012, vol. 24, no. 35, 354012., WOS

[1.1] VILLASECA, S. Alarcon - DUBOIS, J.M. - GAUDRY, E. Lead adsorption on the pseudo-10-fold surface of the Al₁₃Co₄ complex metallic alloy: A first principle study. In INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY. ISSN 0020-7608, 2013, vol. 113, no. 6, pp. 840., WOS

[1.2] ADDOU, R. - SHUKLA, A.K. - VILLASECA, S.A. - GAUDRY, E. - TH DENIOZOU - HEGGEN, M. - FEUERBACHER, M. - WIDMER, R. - GRÖNING, O. - FOURNÉE, V. - DUBOIS, J.-M. - LEDIEU, J. Lead adsorption on the Al₁₃Co₄(100) surface: Heterogeneous nucleation and pseudomorphic growth. In New Journal of Physics, 2011, vol.13, 103011., SCOPUS

[1.2] SHARMA, H.R. - LEDIEU, J. - FOURNÉE, V. - GILLE, P. Influence of the substrate temperature and deposition flux in the growth of a Bi thin film on the ten-fold decagonal Al-Ni-Co surface. In Philosophical Magazine, 2011, vol.91, no.19-21, 2870-2878., SCOPUS

[1.2] SHIN, H. - PUSSI, K. - GAUDRY, É. - LEDIEU, J. - FOURNÉE, V. - ALARCÓN VILLASECA, S. - DUBOIS, J.-M. - GRIN, Y. - GILLE, P. - MORITZ, W. - DIEHL, R.D. Structure of the orthorhombic Al₁₃Co₄(100) surface using LEED, STM, and ab initio studies. In Physical Review B Condensed Matter and Materials Physics, 2011, vol.84, no.8, 085411., SCOPUS

ADCA494 KRAJČÍ, Marián - HAFNER, J. Ab-initio study of a quasiperiodic Bi monolayer on a fivefold icosahedral Al-Pd-Ma surface. In *Philosophical Magazine*, 2006, vol. 86, no. 6-8, p. 825-830. ISSN 1478-6435.

Ohlasy:

[1.1] McGRATH, R. In PHILOSOPHICAL TRANSACTIONS OF THE ROYAL SOCIETY A, vol. 370, 2012, p. 2930., WOS

ADCA495 KRAJČÍ, Marián - HAFNER, Jürgen - MIHALKOVIČ, Marek. Atomic and electronic structure of decagonal. In *Physical Review B*, 2000, vol. 62, no. 1, p. 243-255. (3.008 - IF1999). (2000 - Current Contents). ISSN 1098-0121.

Ohlasy:

[1.1] DOLINSEK, Janez. Electrical and thermal transport properties of icosahedral and decagonal quasicrystals. In CHEMICAL SOCIETY REVIEWS. ISSN 0306-0012, 2012, vol. 41, no. 20, pp. 6730., WOS

[1.1] SODA, K. - INUKAI, M. - KATO, M. - YAGI, S. - SO, Y.-G. - EDAGAWA, K. Spectroscopic study of Ni-rich Al-Co-Ni quasicrystal. In Philosophical Magazine, 2011, vol.91, no.19-21, 2510-2518., WOS

[1.1] YUHARA, J. - SATO, M. - MATSUI, T. - TSAI, A.P. Multi-cluster

model of Al-Co-Ni Co-rich quasicrystal. In *Philosophical Magazine*, 2011, vol.91, no.19-21, 2846-2853., WOS

- ADCA496 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. (3.187 - IF1994). (1995 - Current Contents). ISSN 1098-0121.
- Ohlasy:
- [1.1] ADDOU, R. - SHUKLA, A.K. - DE WEERD, M.-C. - GILLE, P. - WIDMER, R. - GRÖNING, O. - FOURNÉE, V. - DUBOIS, J.-M. - LEDIEU, J. Pseudomorphy, surface alloys and the role of elementary clusters on the domain orientations in the Cu/Al 13Co 4(100) system. In *Journal of Physics Condensed Matter*, 2011, vol.23, no.43, 435009., WOS
- [1.1] DE LAISSARDIERE, Guy Trambly - MAYOU, Didier. Anomalous electronic transport in quasicrystals and related complex metallic alloys. In *COMPTES RENDUS PHYSIQUE*. ISSN 1631-0705, 2014, vol. 15, no. 1, pp. 70., WOS
- [1.1] DE LAISSARDIERE, G. Trambly - SZALLAS, A. - MAYOU, D. Electronic Structure and Transport in Approximants of the Penrose Tiling. In *ACTA PHYSICA POLONICA A*. ISSN 0587-4246, 2014, vol. 126, no. 2, pp. 617., WOS
- [1.1] DE LAISSARDIÈRE, G.T. - OGUEY, C. - MAYOU, D. Breakdown of semi-classical conduction theory in approximants of the octagonal tiling. In *Philosophical Magazine*, 2011, vol.91, no.19-21, 2778-2786., WOS
- [1.1] LEDIEU, Julian - FOURNEE, Vincent. Surfaces of quasicrystals. In *COMPTES RENDUS PHYSIQUE*. ISSN 1631-0705, 2014, vol. 15, no. 1, pp. 48., WOS
- [1.1] LEDIEU, Julian - GAUDRY, Emilie - FOURNEE, Vincent. Surfaces of Al-based complex metallic alloys: atomic structure, thin film growth and reactivity. In *SCIENCE AND TECHNOLOGY OF ADVANCED MATERIALS*. ISSN 1468-6996, 2014, vol. 15, no. 3, 034802., WOS
- [1.1] MIZUTANI, U. - INUKAI, M. - SATO, H. - ZIJLSTRA, E. S. Hume-Rothery stabilization mechanism and e/a determination for RT- and MI-type 1/1-1/1-1/1 approximants studied by FLAPW-Fourier analyses. In *CHEMICAL SOCIETY REVIEWS*. ISSN 0306-0012, 2012, vol. 41, no. 20, pp. 6799., WOS
- [1.1] NAYAK, J. In *PHYSICAL REVIEW LETTERS*, vol. 109, 2012, 216403., WOS

- ADCA497 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. (2.975 - IF1996). (1997 - Current Contents). ISSN 1098-0121.

Ohlasy:

- [1.1] ALI, K. - REISSNER, M. - STEINER, W. - FEUERBACHER, M. Mössbauer investigations of crystalline and quasicrystalline Al 3(Mn, Fe) compounds. In *Journal of Physics Condensed Matter*, 2011, vol.23, no.47, 475501., WOS
- [1.1] ROLOF, Sebastian - THIEM, Stefanie - SCHREIBER, Michael. Electronic wave functions of quasiperiodic systems in momentum space. In

EUROPEAN PHYSICAL JOURNAL B. ISSN 1434-6028, 2013, vol. 86, no. 9, 372., WOS

ADCA498 KRAJČÍ, Marián - HAFNER, J. Catalytic properties of $\text{Al}_{13}\text{Co}_4$ studied by initio methods. In *Philosophical Magazine*, 2011, vol. 91, no. 19-21, p. 2904-2912. (1.302 - IF2010). (2011 - Current Contents). ISSN 1478-6435.

Ohlasy:

[1.1] DUBOIS, J.-M. Quasicrystals diversity and complexity. In *PHILOSOPHICAL MAGAZINE*, 2011, vol. 91, p. 19-21., WOS

[1.1] JUNG, D.Y. Mechanical properties of clusters. In *PHYSICAL REVIEW B*, 2011, vol. 84, 054116., WOS

ADCA499 KRAJČÍ, Marián - HAFNER, J. Complex intermetallic compounds as selective hydrogenation catalysts- A case study for the (100) surface of $\text{Al}_{13}\text{Co}_4$. In *Journal of Catalysis*, 2011, vol. 278, no. 2, p. 200-207. (5.415 - IF2010). (2011 - Current Contents). ISSN 0021-9517.

Ohlasy:

[1.1] FOURNEE, V. Thin film growth on quasicrystalline surfaces. In *ISRAEL JOURNAL OF CHEMISTRY*, 2011, vol. 51, p. 1314-1325., WOS

[1.1] KANDASKALOV, D. et al. In *JOURNAL OF PHYSICAL CHEMISTRY C*, 2014, vol. 118, pp. 23032., WOS

[1.1] KLANJSEK, M. In *JOURNAL OF PHYSICS-COND MATER*, vol. 24, 2012, 085703., WOS

[1.1] LEDIEU, J.- FOURNEE, V. In *COMPTES RENDUS PHYSIQUE*, 2014, vol. 15, pp. 48-57., WOS

[1.1] LEDIEU, J.- GAUDRY, E.- FOURNEE, A. In *SCIENCE AND TECHNOLOGY OF ADVANCED MATERIALS*, 2014, vol. 15, no. 3, 034802., WOS

[1.1] LEDIEU, J. In *PHYSICAL REVIEW LETTERS*, 2013, vol. 110, 076102., WOS

[1.1] PALCUT, M. In *CORROSION SCIENCE*, 2013, vol. 75, p. 461., WOS

[1.1] PICCOLO, L. In *CHEMICAL COMMUNICATIONS*, 2013, vol. 49, p. 9149., WOS

[1.1] XIAO, Ch. In *JOURNAL OF THE AMERICAN CHEMICAL SOCIETY*, 2013, vol. 135, p. 9592., WOS

ADCA500 KRAJČÍ, Marián - HAFNER, Jürgen. Covalent bonding and band-gap formation in ternary transition-metal di aluminides: Al_4MnCo and related compounds. In *Journal of Physics: Condensed Matter*, 2002, vol. 14, no. 30, p. 7201-7219. (1.611 - IF2001). (2002 - Current Contents, WOS, SCOPUS). ISSN 0953-8984.

Ohlasy:

[1.1] OZISIK, Haci - DELIGOZ, Engin - COLAKOGLU, Kemal - OZISIK, Havva Bogaz. Density functional study of the mechanical and phonon properties of Al_{12}X ($\text{X} = \text{Mo}, \text{Tc}, \text{Ru}, \text{W}, \text{Re}, \text{and Os}$) compounds. In *INTERMETALLICS*. ISSN 0966-9795, 2014, JUL, vol. 50, pp. 1-7., WOS

[1.1] PAN, J. - NI, J. - YANG, B. Magnetic properties for the transition-metal aluminides XAl_2 ($\text{X} = \text{V}, \text{Cr}, \text{Mn}, \text{and Co}$): A first-principles study. In *Computational Materials Science*, 2011, vol.50, no.8, 2433-2438., WOS

[1.1] ROIK, A. S. - ANIKEENKO, A. V. - MEDVEDEV, N. N.

Polytetrahedral order and chemical short-range order in metallic melts. In JOURNAL OF STRUCTURAL CHEMISTRY. ISSN 0022-4766, 2013, vol. 54, no. 2, pp. 332., WOS

ADCA501 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. (1.611 - IF2001). (2002 - Current Contents, WOS, SCOPUS). ISSN 0953-8984.

Ohlasy:

- [1.1] JELINEK, B. - GROH, S. - HORSTEMEYER, M. F. - HOUZE, J. - KIM, S. G. - WAGNER, G. J. - MOITRA, A. - BASKES, M. I. Modified embedded atom method potential for Al, Si, Mg, Cu, and Fe alloys. In PHYSICAL REVIEW B. ISSN 1098-0121, 2012, vol. 85, no. 24, 245102., WOS
- [1.1] MIHALKOVIC, M. - WIDOM, M. Structure and stability of Al₂Fe and Al₅Fe₂: First-principles total energy and phonon calculations. In PHYSICAL REVIEW B. ISSN 1098-0121, 2012, vol. 85, no. 1, 014113., WOS
- [1.1] OZISIK, Haci - DELIGOZ, Engin - COLAKOGLU, Kemal - OZISIK, Havva Bogaz. Density functional study of the mechanical and phonon properties of Al₁₂X (X = Mo, Tc, Ru, W, Re, and Os) compounds. In INTERMETALLICS. ISSN 0966-9795, 2014, vol. 50, pp. 1-7., WOS
- [1.1] PAN, J. - NI, J. - YANG, B. Magnetic properties for the transition-metal aluminides XAl₂ (X = V, Cr, Mn, and Co): A first-principles study. In Computational Materials Science, 2011, vol.50, no.8, 2433-2438., WOS
- [1.1] TAKAGIWA, Yoshiki - KIMURA, Kaoru. Metallic-covalent bonding conversion and thermoelectric properties of Al-based icosahedral quasicrystals and approximants. In SCIENCE AND TECHNOLOGY OF ADVANCED MATERIALS. ISSN 1468-6996, 2014, vol. 15, no. 4, 044802., WOS

ADCA502 KRAJČÍ, Marián - HAFNER, Jürgen. Covalent bonding and bandgap formation in intermetallic compounds: a case study for Al₃V. In *Journal of Physics: Condensed Matter*, 2002, vol. 14, no. 8, p. 1865-1879. (1.611 - IF2001). (2002 - Current Contents, WOS, SCOPUS). ISSN 0953-8984.

Ohlasy:

- [1.1] LI, Jian - QI, Yuning - ZHANG, Ming - ZHOU, Yong - LI, Xiao. First-principle study of adhesion, wetting and bonding on Al/Al₃V(001) interface. In SURFACE SCIENCE. ISSN 0039-6028, 2014, vol. 624, pp. 1-7., WOS
- [1.1] MACIA, Enrique. Quasicrystals and the Quest for Next Generation Thermoelectric Materials. In CRITICAL REVIEWS IN SOLID STATE AND MATERIALS SCIENCES. ISSN 1040-8436, 2012, vol. 37, no. 4, pp. 215., WOS
- [1.1] NIU, Haiyang - CHEN, Xing-Qiu - LIU, Peitao - XING, Weiwei - CHENG, Xiyue - LI, Dianzhong - LI, Yiyi. Extra-electron induced covalent strengthening and generalization of intrinsic ductile-to-brittle criterion. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2012, vol. 2, no.718., WOS
- [1.1] PITT, M. P. - VULLUM, P. E. - SORBY, M. H. - EMERICH, H. - PASKEVICIUS, M. - BUCKLEY, C. E. - GRAY, E. MacA - WALMSLEY, J. C. - HOLMESTAD, R. - HAUBACK, B. C. A structural review of nanoscopic Al_{1-x}TM_x phase formation in the TMCln enhanced NaAlH₄ system. In

- ADCA503 KRAJČÍ, Marián - HAFNER, Jürgen. Electronic and magnetic properties of hexagonal rare-earth-Zn-Mg compounds [...]. In *Journal of Physics: Condensed Matter*, 2000, vol. 12, p. 5831-5842. (1.639 - IF1999). (2000 - Current Contents, SCOPUS). ISSN 0953-8984.

Ohlasy:

[1.1] KARPUS, V. - TUMENAS, S. - SUCHODOLSKIS, A. - ARWIN, H. - ASSMUS, W. Optical spectroscopy and electronic structure of the face-centered icosahedral quasicrystals Zn-Mg-R (R = Y, Ho, Er). In *PHYSICAL REVIEW B*. ISSN 1098-0121, 2013, vol. 88, no. 9, 094201., WOS

- ADCA504 KRAJČÍ, Marián - HAFNER, J. - MIHALKOVIČ, Marek. Electronic structure and transport properties of decagonal Al-Cu-Co alloys. In *Physical Review B*, 1997, vol. 56, nO. 6, p. 3072-3085. (2.975 - IF1996). (1997 - Current Contents). ISSN 1098-0121.

Ohlasy:

[1.1] DUGUET, T. - THIEL, P. A. Chemical contrast in STM imaging of transition metal aluminides. In *PROGRESS IN SURFACE SCIENCE*. ISSN 0079-6816, 2012, vol. 87, no. 5-8, pp. 47., WOS

[1.1] DUGUET, T. - ÜNAL, B. - LEDIEU, J. - DUBOIS, J.-M. - FOURNÉE, V. - THIEL, P.A. Nanodomains due to phason defects at a quasicrystal surface. In *Physical Review Letters*, 2011, vol.106, no.7, 076101., WOS

- ADCA505 KRAJČÍ, Marián - HAFNER, J. Elementary excitations in quasicrystals. In *Materials Science and Engineering A - Structural Materials Properties Microstructure and Processing*, 1997, vol. 226, p. 950-960. (0.852 - IF1996). (1997 - Current Contents, WOS, SCOPUS). ISSN 0921-5093.

Ohlasy:

[1.1] EUCHNER, H. - MIHALKOVIČ, M. - GÄHLER, 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 Mg 2Zn 11 phase. In *Physical Review B Condensed Matter and Materials Physics*, 2011, vol.83, no.14, 144202., WOS

- ADCA506 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. (1.608 - IF2000). (2001 - Current Contents, WOS, SCOPUS). ISSN 0953-8984.

Ohlasy:

[1.1] LEVY, O. - JAHNÁTEK, M. - CHEPULSKII, R.V. - HART, G.L.W. - CURTAROLO, S. Ordered structures in rhenium binary alloys from first-principles calculations. In *Journal of the American Chemical Society*, 2011, vol.133, no.1, 158-163., WOS

- ADCA507 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, 134202. (3.172 - IF2007). (2008 - Current Contents, WOS, SCOPUS). ISSN 1098-0121.

Ohlasy:

[1.1] BOBARU, S. - GAUDRY, E. - DE WEERD, M.C. - LEDIEU, J. - FOURNEE, V. Competing allotropes of Bi deposited on the Al₁₃Co₄(100) alloy surface. In *PHYSICAL REVIEW B*. ISSN 1098-0121, 2012, vol. 86, no. 21, 214201., WOS

[1.1] VILLASECA, S. Alarcon - DUBOIS, J.M. - GAUDRY, E. Lead adsorption on the pseudo-10-fold surface of the Al₁₃Co₄ complex metallic alloy: A first principle study. In *INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY*. ISSN 0020-7608, 2013, vol. 113, no. 6, pp. 840., WOS

[1.2] ADDOU, R. - SHUKLA, A.K. - VILLASECA, S.A. - GAUDRY, E. - TH DENIOZOU - HEGGEN, M. - FEUERBACHER, M. - WIDMER, R. - GRÖNING, O. - FOURNÉE, V. - DUBOIS, J.-M. - LEDIEU, J. Lead adsorption on the Al₁₃Co₄(100) surface: Heterogeneous nucleation and pseudomorphic growth. In *New Journal of Physics*, 2011, vol.13, 103011., SCOPUS

ADCA508 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. (4.805 - IF2011). (2012 - Current Contents). ISSN 1932-7447.

Ohlasy:

[1.1] GUO, Ling - ZHANG, Xiao. Al₁₂X (X = Ni, Pd, Pt, Ti, and Zr) Clusters: Promising Low-Cost and High-Activity Catalysts for CO Oxidation. In *JOURNAL OF PHYSICAL CHEMISTRY C*. ISSN 1932-7447, 2014, vol. 118, no. 1, pp. 533., WOS

[1.1] CHANG, Chun-Chih - YEH, Chen-Hao - HO, Jia-Jen. Theoretical study of selective hydrogenation in a mixture of acetylene and ethylene over Fe@W(111) bimetallic surfaces. In *APPLIED CATALYSIS A-GENERAL*. ISSN 0926-860X, 2013, vol. 462, pp. 296., WOS

[1.1] LEDIEU, Julian - GAUDRY, Emilie - FOURNEE, Vincent. Surfaces of Al-based complex metallic alloys: atomic structure, thin film growth and reactivity. In *SCIENCE AND TECHNOLOGY OF ADVANCED MATERIALS*. ISSN 1468-6996, 2014, vol. 15, no. 3, 034802., WOS

[1.1] TAMURA, R. - YADAV, T. P. - MCLEOD, I. M. - HESP, D. - YOUNG, K. M. - NAKAMURA, T. - NISHIO, K. - DHANAK, V. R. - MCGRATH, R. - SHARMA, H. R. Scanning tunneling microscopy of a polygrain Al-Pd-Re quasicrystal: study of the relative surface stability. In *JOURNAL OF PHYSICS-CONDENSED MATTER*. ISSN 0953-8984, 2013, vol. 25, no. 39, 395007., WOS

[1.1] WEN, Caixia - GUO, Ling - DONG, Xiaona - REN, Ningning - NIU, Shuangshuo. The density functional theory study CO oxidation catalyzed by subnanometer AlAg (n) (n=1-3) clusters. In *STRUCTURAL CHEMISTRY*. ISSN 1040-0400, 2014, vol. 25, no. 4, pp. 1305., WOS

ADCA509 KRAJČÍ, Marián - HAFNER, J. Isolated magnetic moments in icosahedral Al-Pd-Ma alloys. In *Physical Review B*, 1998, vol. 58, p. 14110-14112. (2.880 - IF1997). (1998 - Current Contents). ISSN 1098-0121.

Ohlasy:

[1.1] STADNIK, ZM. In HANDBOOK OF MAGNETIC MATERIALS.
Edited by Buschow KHJ. 2013, vol. 21, p. 77-130., WOS

ADCA510 KRAJČÍ, Marián - HAFNER, J. Magnetism and chemical ordering in icosahedral Al-Pd-Mn quasicrystal. In *Physical Review B : condensed matter and materials physics*, 2008, vol. 78, 224207. (3.172 - IF2007). (2008 - Current Contents, WOS, SCOPUS). ISSN 1098-0121.

Ohlasy:

[1.1] MIHALKOVIC, Marek - HENLEY, C. L. Caged clusters in Al₁₁Ir₄: Structural transition and insulating phase. In PHYSICAL REVIEW B. ISSN 1098-0121, 2013, vol. 88, no. 6, 064201., WOS

ADCA511 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. (3.322 - IF2008). (2009 - Current Contents, WOS, SCOPUS). ISSN 1098-0121.

Ohlasy:

[1.1] ADDOU, R. Lead adsorption. In NEW JOURNAL OF PHYSICS, 2011, vol. 13, 103011., WOS

[1.1] VILLASECA, S. First-principles study. In PHILOSOPHICAL MAGAZINE, 2011, vol. 91, p. 2894., WOS

[1.1] VILLASECA, S. Structural investigation. In JOURNAL OF PHYSICAL CHEMISTRY C, 2011, vol. 115, p. 14922., WOS

ADCA512 KRAJČÍ, Marián - HAFNER, J. Metal-insulator transition in approximants to icosahedral Al-Pd-Re. In *Physical Review B*, 1999, vol. 59, no. 13, p. 8347. (2.842 - IF1998). (1999 - Current Contents). ISSN 1098-0121.

Ohlasy:

[1.1] MIZUTANI, U. - INUKAI, M. - SATO, H. - ZIJLSTRA, E. S. Hume-Rothery stabilization mechanism and e/a determination for RT- and MI-type 1/1-1/1-1/1 approximants studied by FLAPW-Fourier analyses. In CHEMICAL SOCIETY REVIEWS. ISSN 0306-0012, 2012, vol. 41, no. 20, pp. 6799., WOS

ADCA513 KRAJČÍ, Marián - HAFNER, J. Pseudomorphic quasiperiodic alkali metal monolayers on an i-Al-Pd-Mn surface. In *Physical Review B*, 2007, vol. 75, no. 22, 224205. (3.107 - IF2006). (2007 - Current Contents, WOS, SCOPUS). ISSN 1098-0121.

Ohlasy:

[1.1] MCGRATH, R. - SHARMA, H. R. - SMERDON, J. A. - LEDIEU, J. The memory of surfaces: epitaxial growth on quasi-crystals. In PHILOSOPHICAL TRANSACTIONS OF THE ROYAL SOCIETY A-MATHEMATICAL PHYSICAL AND ENGINEERING SCIENCES. ISSN 1364-503X, 2012, vol. 370, no. 1969, pp. 2930., WOS

[1.1] VILLASECA, S. Alarcon - DUBOIS, J.M. - GAUDRY, E. Lead adsorption on the pseudo-10-fold surface of the Al₁₃Co₄ complex metallic alloy: A first principle study. In INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY. ISSN 0020-7608, 2013, vol. 113, no. 6, pp. 840., WOS

[1.2] ADDOU, R. - SHUKLA, A.K. - VILLASECA, S.A. - GAUDRY, E. -

TH DENIOZOU - HEGGEN, M. - FEUERBACHER, M. - WIDMER, R. - GRÖNING, O. - FOURNÉE, V. - DUBOIS, J.-M. - LEDIEU, J. Lead adsorption on the Al₁₃Co₄(100) surface: Heterogeneous nucleation and pseudomorphic growth. In *New Journal of Physics*, 2011, vol.13, 103011., SCOPUS

ADCA514 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. (3.475 - IF2009). (2010 - Current Contents, WOS, SCOPUS). ISSN 1098-0121.

Ohlasy:

[1.1] KAATZ, Forrest H. - ESTRADA, Ernesto - BULTHEEL, Adhemar - SHARROCK, Noel. Statistical mechanics of two dimensional tilings. In *PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS*. ISSN 0378-4371, 2012, vol. 391, no. 10, pp. 2957., WOS

[1.1] VILLASECA, S. Alarcon - DUBOIS, J.M. - GAUDRY, E. Lead adsorption on the pseudo-10-fold surface of the Al₁₃Co₄ complex metallic alloy: A first principle study. In *INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY*. ISSN 0020-7608, 2013, vol. 113, no. 6, pp. 840., WOS

ADCA515 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. (6.073 - IF2013). (2014 - Current Contents). ISSN 0021-9517.

Ohlasy:

[1.1] PRINZ, Jan - PIGNEDOLI, Carlo A. - STOECKL, Quirin S. - ARMBRUESTER, Marc - BRUNE, Harald - GROENING, Oliver - WIDMER, Roland - PASSERONE, Daniele. Adsorption of Small Hydrocarbons on the Three-Fold PdGa Surfaces: The Road to Selective Hydrogenation. In *JOURNAL OF THE AMERICAN CHEMICAL SOCIETY*. ISSN 0002-7863, 2014, vol. 136, no. 33, pp. 11792., WOS

ADCA516 KRAJČÍ, Marián - HAFNER, Jürgen. Semiconducting Al-transition-metal quasicrystals. In *Physical Review B*, 2003, vol. 68, no. 16, 165202. (3.327 - IF2002). (2003 - Current Contents). ISSN 1098-0121.

Ohlasy:

[1.1] BALANETSKYY, S. - MEISTERERNST, G. - FEUERBACHER, M. The Al-rich region of the Al-Mn-Ni alloy system. Part I: Ternary phases at 750-950 °C. In *Journal of Alloys and Compounds*, 2011, vol.509, no.9, 3787-3794., WOS

ADCA517 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. (4.835 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 1932-7447.

Ohlasy:

[1.1] TANG, Jianfeng - DENG, Lei - DENG, Huiqiu - XIAO, Shifang - ZHANG, Xingming - HU, Wangyu. Surface Segregation and Chemical Ordering Patterns of Ag-Pd Nanoalloys: Energetic Factors, Nanoscale Effects, and Catalytic Implication. In *JOURNAL OF PHYSICAL CHEMISTRY C*. ISSN 1932-7447, 2014, vol. 118, no. 48, pp. 27850., WOS

ADCA518 KRAJČÍ, Marián - FUJIWARA, T. Strictly localized eigenstates on a 3-dimensional Penrose lattice. In *Physical Review B*, 1988, vol. 38, no. 18, p. 12903. ISSN 1098-0121.

Ohlasy:

[1.1] DEGUCHI, K. In *NATURE MATERIALS*, vol. 11, no. 12, 2012, p. 1013., WOS

ADCA519 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. (3.164 - IF2012). (2013 - Current Contents). ISSN 0021-9606.

Ohlasy:

[1.1] ARMBRUESTER, Marc - SCHLOEGL, Robert - GRIN, Yuri. Intermetallic compounds in heterogeneous catalysis—a quickly developing field. In *SCIENCE AND TECHNOLOGY OF ADVANCED MATERIALS*. ISSN 1468-6996, 2014, vol. 15, no. 3, 034803., WOS

[1.1] BECHTHOLD, P. - ARDHENGI, J. S. - JUAN, A. - GONZALEZ, E. A. - JASEN, P. V. CO adsorption on PdGa(100), (111) and $\overline{(1)}$ surfaces: A DFT study. In *APPLIED SURFACE SCIENCE*. ISSN 0169-4332, 2014, vol. 315, pp. 467., WOS

[1.1] PRINZ, Jan - GASPARI, Roberto - STOECKL, Quinn S. - GILLE, Peter - ARMBRUESTER, Marc - BRUNE, Harald - GROENING, Oliver - PIGNEDOLI, Carlo A. - PASSERONE, Daniele - WIDMER, Roland. Ensemble Effect Evidenced by CO Adsorption on the 3-Fold PdGa Surfaces. In *JOURNAL OF PHYSICAL CHEMISTRY C*. ISSN 1932-7447, 2014, vol. 118, no. 23, pp. 12260., WOS

[1.1] TAMURA, R. - YADAV, T. P. - MCLEOD, I. M. - HESP, D. - YOUNG, K. M. - NAKAMURA, T. - NISHIO, K. - DHANAK, V. R. - MCGRATH, R. - SHARMA, H. R. Scanning tunneling microscopy of a polygrain Al-Pd-Re quasicrystal: study of the relative surface stability. In *JOURNAL OF PHYSICS-CONDENSED MATTER*. ISSN 0953-8984, 2013, vol. 25, no. 39, 395007., WOS

ADCA520 KRAJČÍ, Marián - HAFNER, J. Structure and stability of quasi-crystals-modulated tiling models. In *Physical Review B*, 1992, vol. 46, no. 17, p. 10669-10685. (3.260 - IF1991). (1992 - Current Contents). ISSN 1098-0121.

Ohlasy:

[1.1] MIHALKOVIC, 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*. ISSN 1098-0121, 2012, vol. 85, no. 9, 092102., WOS

[1.1] SCHOPF, Daniel - BROMMER, Peter - FRIGAN, Benjamin - TREBIN, Hans-Rainer. Embedded atom method potentials for Al-Pd-Mn phases. In *PHYSICAL REVIEW B*. ISSN 1098-0121, 2012, vol. 85, no. 5, 054201., WOS

[1.1] TRYBULA, M. - JAKSE, N. - GASIOR, W. - PASTUREL, A. Structural and physicochemical properties of liquid Al-Zn alloys: A combined study based on molecular dynamics simulations and the quasi-lattice theory. In

- ADCA521 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. (3.075 - IF2004). (2005 - Current Contents). ISSN 1098-0121.

Ohlasy:

- [1.1] ADDOU, R. Pseudomorphy, surface alloys. In JOURNAL OF PHYSICS- CONDENSED MATTER, 2011, Vol. 23, no. 43, 435009., WOS
- [1.1] FOURNEE, Vincent - GAUDRY, Emilie - LEDIEU, Julian - DE WEERD, Marie-Cecile - WU, Dongmei - LOGRASSO, Thomas. Self-Organized Molecular Films with Long-Range Quasiperiodic Order. In ACS NANO. ISSN 1936-0851, 2014, vol. 8, no. 4, pp. 3646., WOS
- [1.1] LEDIEU, Julian - FOURNEE, Vincent. Surfaces of quasicrystals. In COMPTES RENDUS PHYSIQUE. ISSN 1631-0705, 2014, vol. 15, no. 1, pp. 48., WOS
- [1.1] LEDIEU, Julian - GAUDRY, Emilie - FOURNEE, Vincent. Surfaces of Al-based complex metallic alloys: atomic structure, thin film growth and reactivity. In SCIENCE AND TECHNOLOGY OF ADVANCED MATERIALS. ISSN 1468-6996, 2014, vol. 15, no. 3, 034802., WOS
- [1.1] MAEADER, Ruben - WIDMER, Roland - GROENING, Pierangelo - STEURER, Walter - GROENING, Oliver. Correlating scanning tunneling spectroscopy with the electrical resistivity of Al-based quasicrystals and approximants. In PHYSICAL REVIEW B. ISSN 1098-0121, 2013, vol. 87, no. 7, 075425., WOS
- [1.1] NAYAK, J. - MANIRAJ, M. - RAI, Abhishek - SINGH, Sanjay - RAJPUT, Parasmani - GLOSKOVSKII, A. - ZEGENHAGEN, J. - SCHLAGEL, D. L. - LOGRASSO, T. A. - HORN, K. - BARMAN, S. R. Bulk Electronic Structure of Quasicrystals. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2012, vol. 109, no. 21, 216403., WOS
- [1.2] ALARCÓN VILLASECA, S. - DUBOIS, J.-M. - GAUDRY, É. First-principles study of low-index surfaces of the Al₅Co₂ complex metallic alloy. In Philosophical Magazine, 2011, vol. 91, no. 19-21, 2894-2903., SCOPUS

- ADCA522 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. (3.774 - IF2010). (2011 - Current Contents, WOS, SCOPUS). ISSN 1098-0121.

Ohlasy:

- [1.1] BOBARU, S. In PHYSICAL REVIEW B, vol. 86, 2012, no. 21., WOS
- [1.1] DUGUET, T. In PROGRESS IN SURFACE SCIENCE, vol. 87, 2012, p. 47., WOS
- [1.1] LEDIEU, J. In PHYSICAL REVIEW LETTERS, 2013, vol. 110, no. 7, 076102., WOS
- [1.1] LEDIEU, J. - GAUDRY, E. - FOURNEE, V. In SCIENCE AND TECHNOLOGY OF ADVANCED MATERIALS, 2014, vol. 15, no. 3, 034802., WOS
- [1.1] PICOLLO L. In CHEMICAL COMMUNICATIONS, 2013, vol. 49, p. 9149., WOS

[1.1] WASIO, N.A. In JOURNAL OF PHYSICAL CHEMISTRY C, vol. 116, 2012, p. 25486., WOS

ADCA523 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. (3.185 - IF2005). (2006 - Current Contents, WOS, SCOPUS). ISSN 1098-0121.

Ohlasy:

[1.1] DUGUET, T. - THIEL, P. A. Chemical contrast in STM imaging of transition metal aluminides. In PROGRESS IN SURFACE SCIENCE. ISSN 0079-6816, 2012, vol. 87, no. 5-8, pp. 47., WOS

ADCA524 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. (6.002 - IF2011). (2012 - Current Contents). ISSN 0021-9517.

Ohlasy:

[1.1] ARMBRUESTER, Marc - SCHLOEGL, Robert - GRIN, Yuri. Intermetallic compounds in heterogeneous catalysis-a quickly developing field. In SCIENCE AND TECHNOLOGY OF ADVANCED MATERIALS. ISSN 1468-6996, 2014, vol. 15, no. 3, 034803., WOS

[1.1] BECHTHOLD, P. - ARDENGHI, J. S. - NAGEL, O. - JUAN, A. - GONZALEZ, E. A. - JASEN, P. V. Hydrogen adsorption on PdGa(100), (111) and $\overline{100}$ surfaces: A DFT study. In INTERNATIONAL JOURNAL OF HYDROGEN ENERGY. ISSN 0360-3199, 2014, vol. 39, no. 5, pp. 2093., WOS

[1.1] FURUKAWA, Shinya - YOKOYAMA, Akira - KOMATSU, Takayuki. Efficient Catalytic System for Synthesis of trans-Stilbene from Diphenylacetylene Using Rh-Based Intermetallic Compounds. In ACS CATALYSIS. ISSN 2155-5435, 2014, vol. 4, no. 10, pp. 3581., WOS

[1.1] LEDIEU, Julian - GAUDRY, Emilie - FOURNEE, Vincent. Surfaces of Al-based complex metallic alloys: atomic structure, thin film growth and reactivity. In SCIENCE AND TECHNOLOGY OF ADVANCED MATERIALS. ISSN 1468-6996, 2014, vol. 15, no. 3, 034802., WOS

[1.1] LI, Changming - CHEN, Yudi - ZHANG, Shitong - XU, Simin - ZHOU, Junyao - WANG, Fei - WEI, Min - EVANS, David G. - DUAN, Xue. Ni-In Intermetallic Nanocrystals as Efficient Catalysts toward Unsaturated Aldehydes Hydrogenation. In CHEMISTRY OF MATERIALS. ISSN 0897-4756, 2013, vol. 25, no. 19, pp. 3888., WOS

[1.1] PRINZ, Jan - PIGNEDOLI, Carlo A. - STOECKL, Quirin S. - ARMBRUESTER, Marc - BRUNE, Harald - GROENING, Oliver - WIDMER, Roland - PASSERONE, Daniele. Adsorption of Small Hydrocarbons on the Three-Fold PdGa Surfaces: The Road to Selective Hydrogenation. In JOURNAL OF THE AMERICAN CHEMICAL SOCIETY. ISSN 0002-7863, 2014, vol. 136, no. 33, pp. 11792., WOS

ADCA525 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. (3.107 - IF2006). (2007 - Current Contents, WOS, SCOPUS). ISSN 1098-0121.

Ohlasy:

[1.1] DIAN, M. - HLUBINA, R. Residual resistivity of FeGe under pressure. In PHYSICAL REVIEW B. ISSN 1098-0121, 2013, vol. 88, no. 16, 165125., WOS

[1.1] DIAN, M. - HLUBINA, R. Minimal model of the magnetically induced metal-insulator transition: Finite-temperature properties. In PHYSICAL REVIEW B. ISSN 1098-0121, 2014, vol. 89, no. 15, 155127., WOS

[1.1] MIHALKOVIC, Marek - HENLEY, C. L. Caged clusters in Al₁₁Ir₄: Structural transition and insulating phase. In PHYSICAL REVIEW B. ISSN 1098-0121, 2013, vol. 88, no. 6, 064201., WOS

[1.1] RAPP, O. Generalization of the Mooij correlation to quasicrystals. In JOURNAL OF PHYSICS-CONDENSED MATTER. ISSN 0953-8984, 2013, vol. 25, no. 6, 065701., WOS

[1.1] SOIFER, Victor A. - SOIFER, VA. Photonic crystals and light focusing. In DIFFRACTIVE NANOPHOTONICS, 2014, pp. 298-375., WOS

[1.1] TAKAGIWA, Yoshiki - KIMURA, Kaoru. Metallic-covalent bonding conversion and thermoelectric properties of Al-based icosahedral quasicrystals and approximants. In SCIENCE AND TECHNOLOGY OF ADVANCED MATERIALS. ISSN 1468-6996, 2014, vol. 15, no. 4, 044802., WOS

[1.2] IMRIŠKA, J. - HLUBINA, R. Variational study of the magnetically induced metal-insulator transition in FeSi_{1-x}Gex. In Physical Review B Condensed Matter and Materials Physics, 2011, vol.84, no.19, 195144., SCOPUS

[1.2] RAPP, A. - POON, S.J. Conductivity of icosahedral AlPdRe. In Physical Review B Condensed Matter and Materials Physics, 2011, vol.84, no.17, 174206., SCOPUS

ADCA526 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.

Ohlasy:

[1.1] DAS, T. K. - MITRA, A. - MANDAL, S. K. - ROY, R. K. - BANERJI, P. - PANDA, A. K. Parametric controls on giant magnetoimpedance (GMI) behaviour of CoFeSiBCr amorphous wires for prospective sensor applications. In SENSORS AND ACTUATORS A-PHYSICAL. ISSN 0924-4247, 2014, vol. 220, pp. 382., WOS

[1.1] QIANG, Jian - ESTEVEZ, Diana - DONG, Yaqiang - MAN, Qikui - CHANG, Chuntao - WANG, Xinmin - LI, Run-Wei. Giant magnetoimpedance effect enhanced by thermoplastic drawing. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2014, vol. 116, no. 9, 093911., WOS

[1.1] ZIVOTSKY, Ondrej - HENDRYCH, Ales. Influence of Tensile Stress on the Surface Magneto-Optical Hysteresis Loops in Amorphous and (Nano)Crystalline Ribbons. In IEEE TRANSACTIONS ON MAGNETICS. ISSN 0018-9464, 2014, vol. 50, no. 4, 2002804., WOS

ADCA527 KRAUS, L. - ŠVEC, Peter - BYDŽOVSKÝ, J. Amorphous CoFeCrSiB ribbons for strain sensing applications. In *Journal of Magnetism and Magnetic*

Materials, 2002, vol. 242-245, p. 241-243. (1.329 - IF2001). (2002 - Current Contents, WOS, SCOPUS). ISSN 0304-8853.

Ohlasy:

[1.1] TSAI, Hung-Yih - LIN, Rong-Shine - CHEN, Jeng-Shyong - CHUNG, Cheng-Ta - SHEU, Yung-Hoh. Design of a non-contact strain sensor based on amorphous ribbons. In *SENSORS AND ACTUATORS A-PHYSICAL*. ISSN 0924-4247, 2013, vol. 199, pp. 37-42., WOS

ADCA528 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.

Ohlasy:

[1.1] TITOV, A. In *IEEE TRANSACTIONS ON MAGNETICS*, 2014, vol. 50, 6500804., WOS

ADCA529 KRAUS, L. - BYDŽOVSKÝ, J. - ŠVEC, Peter. Continuous stress annealing of amorphous ribbons for strain sensing applications. In *Sensors and Actuators A*, 2003, vol. 106, p. 117-120.

Ohlasy:

[1.1] FRANCOEUR, Bruno - COUTURE, Pierre. Continuous-annealing method for producing a flexible, curved, soft magnetic amorphous alloy ribbon. In *JOURNAL OF APPLIED PHYSICS*. ISSN 0021-8979, 2012, vol. 111, no. 7, 07A309., WOS

[1.1] GARCIA, J. A. - CARRIZO, J. - ELBAILE, L. - LAGO-CACHON, D. - RIVAS, M. - CASTRILLO, D. - PIERNA, A. R. Magnetic anisotropy and magnetostriction in nanocrystalline Fe-Al alloys obtained by melt spinning technique. In *JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS*. ISSN 0304-8853, 2014, vol. 372, pp. 27-32., WOS

[1.1] SARKAR, Partha - JANOSEK, Michal - PETRUCHA, Vojtech - VCELAK, Jan - RIPKA, Pavel. Study of Stress-Induced Anisotropy in METGLAS 2714. In *IEEE TRANSACTIONS ON MAGNETICS*. ISSN 0018-9464, 2014, vol. 50, no. 11, 2007603., WOS

ADCA530 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.

Ohlasy:

[1.1] DONG, Y. In *INTERMETALLICS*, 2012, vol. 23, p. 63-67., WOS

[1.1] LING, H. In *JOURNAL OF APPLIED PHYSICS*, 2014, vol. 115, 204901., WOS

[1.1] LIU, C.T. Magnetic properties. In *BULK METALLIC GLASSES*, 2011, P. 459-479., WOS

[1.1] TAO, S. Synthesis, thermal stability and properties. In *JOURNAL OF ALLOYS AND COMPOUNDS*, 2011, VOL. 509, NO. 9, P. 3843-3846., WOS

[1.1] XU, K. In *INTERMETALLICS*, 2014, vol. 51, pp. 53., WOS

ADCA531 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. (0.620 - IF1991). (1992 - Current Contents). ISSN 0921-5107.

Ohlasy:

[1.1] JURIKOVA, Alena - CSACH, Kornel - MISKUF, Jozef - PESEK, L - ZUBKO, P. Creep Modified Structural Relaxation of Fe-Based Amorphous Alloy. In *LOCAL MECHANICAL PROPERTIES IX*. ISSN 1013-9826, 2014, vol. 586, pp. 158., WOS

ADCA532 KRAUS, L. - ZAVETA, K. - HECZKO, O. - DUHAJ, Pavol - VLASÁK, Gabriel - SCHNEIDER, J. Magnetic-anisotropy in as-quenched and stress-annealed amorphous and nanocrystalline $\text{Fe}_{73.5}\text{Cu}_{1\text{Nb}_{3\text{Si}_{13.5}\text{B}_9}}$ alloys. In *Journal of Magnetism and Magnetic Materials*, 1992, vol. 112, no. 1-3, p. 275-277. ISSN 0374-4884.

Ohlasy:

[1.1] FANG, Y. In *ACTA METALLURGICA SINICA*, 2011, VOL. 47, P., WOS

[1.1] HERZER, G. In *JOURNAL OF PHYSICS: CONFERENCE SERIES*, 2011, VOL. 266, 012010., WOS

[1.1] HERZER, G. In *PHYSICA STATUS SOLIDI B*, 2011, VOL. 248, P. 2382., WOS

[1.1] KERNION, S.J. Giant induced magnetic anisotropy. In *APPLIED PHYSICS LETTERS*. 2012, vol. 101, no. 10, 102408., WOS

[1.1] KURLLYANDSKAYA, G.V. In *JOURNAL OF ALLOYS AND COMPOUNDS*, 2013, vol. 566, pp. 31-36., WOS

[1.1] LI, Y. In *POLYMERS FOR ADVANCED TECHNOLOGIES*, 2011, VOL. 22, NO. 12, P. 1959-1970., WOS

[1.1] LI, Y.F. In *PHYSICA STATUS SOLIDI A*, 2011, VOL. 208, NO. 3, P. 540-4., WOS

[1.1] OHNUMA, M. Structural anisotropy. In *ACTA MATERIALIA*, 2012, vol. 60, no. 3, pp. 1278-1286., WOS

[1.1] WILLARD, M.A. In *HANDBOOK OF MAGNETIC MATERIALS*, 2013, vol. 21, pp. 173-342., WOS

ADCA533 KRAUS, L. - HASLAR, V. - DUHAJ, Pavol - ŠVEC, Peter - STUDNIČKA, V. The structure and magnetic properties of nanocrystalline $\text{Fe}_{64}\text{Nb}_{15}\text{B}_9$ alloys. In *Materials Science and Engineering A*, 1997, vol. 226, p. 626-630. (0.852 - IF1996). (1997 - Current Contents, WOS, SCOPUS). ISSN 0921-5093.

Ohlasy:

[1.1] WILLARD, M.A. In *HANDBOOK OF MAGNETIC MATERIALS*, 2013, vol. 21, pp. 173-342., WOS

ADCA534 KRIŠTIÁK, Jozef - BARTOŠ, Josef - KRIŠTIÁKOVÁ, 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. (3.159 - IF1993). (1994 - Current Contents). ISSN 1098-0121.

Ohlasy:

[1.1] MASUO, S. - YAMANE, Y. - MACHIDA, S. - ITAYA, A. Fluorescence behavior of individual charge-transfer complexes revealed by single-molecule fluorescence spectroscopy: Influence of the host polymer matrix.

- ADCA535 KRIŠTIAK, Jozef - BARTOŠ, J. - 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. (3.159 - IF1993). (1994 - Current Contents). ISSN 1098-0121.

Ohlasy:

[1.2] EDLUND, U. - YU, Y. - ZHU RYBERG, Y. - KRAUSE-REHBERG, R. - ALBERTSSON, A.-C. Positron lifetime reveals the nano level packing in complex polysaccharide-rich hydrolysate matrixes. In *Analytical Chemistry*, 2012, 84, 8, pp. 3676-3681., SCOPUS

[1.2] KAVETSKYY, T. - KOLEV, K. - BOEV, V. - PETKOV, P. - PETKOVA, T. - STEPANOV, A.L. Nanovoids in glasses and polymers probed by positron annihilation lifetime spectroscopy. In *NATO Science for Peace and Security Series B: Physics and Biophysics*, 2011, pp. 103-110., SCOPUS

[1.2] MASUO, S. - YAMANE, Y. - MACHIDA, S. - ITAYA, A. Fluorescence behavior of individual charge-transfer complexes revealed by single-molecule fluorescence spectroscopy: Influence of the host polymer matrix. In *Journal of Photochemistry and Photobiology A: Chemistry*, 2012, 227, 1, pp. 65-70., SCOPUS

- ADCA536 KRIŠTIAK, Jozef - KRIŠTIAKOVÁ, K. - ŠAUŠA, Ondrej. Phase-transition in c-60 observed by positron-annihilation. In *Physical Review B : condensed matter and materials physics*, 1994, vol. 50, no. 5, p. 2792-2794. (3.159 - IF1993). (1994 - Current Contents). ISSN 1098-0121.

Ohlasy:

[1.1] TUYEN, L.A. In *JOURNAL OF PHYSICS CONFERENCE SERIES*, 2013, vol. 443, 012065., WOS

- ADCA537 KRIŠTIAK, Jozef - KRIŠTIAKOVÁ, Katarína - ŠAUŠA, Ondrej - BANDŽUCH, Peter - BARTOŠ, Josef. Temperature-dependence of free-volume distributions in polymers studied by positron lifetime spectroscopy. In *JOURNAL DE PHYSIQUE IV*, 1993, vol. 3, no. C4, p. 265-270. ISSN 1155-4339.

Ohlasy:

[1.1] FELDSTEIN, M.M. - BERMESHEVA, E.V. - JEAN, Y.C. - MISRA, G.P. - SIEGEL, R.A. Free Volume, Adhesion, and Viscoelastic Properties of Model Nanostructured Pressure-Sensitive Adhesive Based on Stoichiometric Complex of Poly(N-vinyl pyrrolidone) and Poly(ethylene glycol) of Disparate Chain Lengths. In *JOURNAL OF APPLIED POLYMER SCIENCE*. ISSN 0021-8995, FEB 15 2011, vol. 119, no. 4, p. 2408-2421., WOS

[1.1] CHAIN, L. Free volume, adhesion and viscoelastic properties. In *JOURNAL OF APPLIED POLYMER SCIENCE*, 2011, vol. 119, no. 4, p. 2408., WOS

[1.2] FIERRO, D.- BOSCHETTI-DE-FIERRO, A.- ABETZ, V. The solution-diffusion with imperfections model as a method to understand organic solvent nanofiltration of multicomponent systems. (2012) *Journal of Membrane Science*, 413-414, p. 91-101., Scopus

[1.2] SHARMA, S.K. - ZAYDOURI, A. - ROUDAUT, G. -

DUPLÂTRE, G. Effect of water on glass transition in starch/sucrose matrices investigated through positron annihilation lifetime spectroscopy: A new approach. (2011) *Physical Chemistry Chemical Physics*, 13 (43), p. 19338-19344., Scopus

ADCA538 KRIŠTIAKOVÁ, Katarína - ŠVEC, Peter - DEANKO, Martin. Cluster structure and thermodynamic of formation of (nano)crystalline phases in disordered metastable metallic systems. In *Materials Science and Engineering A - Structural Materials Properties Microstructure and Processing*, 2004, vol. 375, p. 136-149. (1.363 - IF2003). (2004 - Current Contents, WOS, SCOPUS). ISSN 0921-5093.

Ohlasy:

[1.1] FAN, Z.-YU, H.-WANG, X. Molybdenum based amorphous and nanocrystalline coatings. In *RARE METALS*, vol. 31, no. 4, 2012, p. 355-361., WOS

ADCA539 KRIŠTIAKOVÁ, Katarína - ŠVEC, Peter. Continuous distribution of thermodynamic microprocesses in complex metastable systems. In *Physical Review B*, 2001, vol. 64, no. 18, p. 184202. (3.065 - IF2000). (2001 - Current Contents, WOS, SCOPUS). ISSN 1098-0121.

Ohlasy:

[1.1] ZIVOTSKY, Ondrej - JIRASKOVA, Yvonna - HENDRYCH, Ales - MATEJKA, Vlastimil - KLIMSA, Ladislav - BURSIK, Jiri. Influence of Annealing Temperature and Atmosphere on Surface Microstructure and Magnetism in FINEMET-Type FeSiNbCuB Ribbons. In *IEEE TRANSACTIONS ON MAGNETICS*. ISSN 0018-9464, 2012, vol. 48, no. 4, pp. 1367., WOS

[1.1] ZIVOTSKY, O. - HENDRYCH, A. - KLIMSA, L. - JIRASKOVA, Y. - BURSIK, J. - GOMEZ, J. A. M. - JANICKOVIC, D. Surface microstructure and magnetic behavior in FeSiB amorphous ribbons from magneto-optical Kerr effect. In *JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS*. ISSN 0304-8853, 2012, vol. 324, no. 4, pp. 569., WOS

[1.2] DEB, B. - GHOSH, A. Crystallization kinetics in selenium molybdate molecular glasses. In *EPL*, 2011, vol. 95, no. 2, 26002., SCOPUS

[1.2] LIU, Y.Q. - ZHAO, X.S. - YANG, J. - SHEN, J.Y. Thermodynamic optimization of the boron-cobalt-iron system. In *Journal of Alloys and Compounds*, 2011, vol. 509, no. 14, 4805-4810., SCOPUS

ADCA540 KRIŠTIAKOVÁ, Katarína - ŠVEC, Peter. Higher order analysis of the distribution of crystallization processes in metallic glasses. In *Materials Science and Engineering A - Structural Materials Properties Microstructure and Processing*, 2001, vol. 304, p. 343-348. (0.897 - IF2000). (2001 - Current Contents, WOS, SCOPUS). ISSN 0921-5093.

Ohlasy:

[1.1] YOUSFI, M. A. - HAJLAOUI, K. - TOURKI, Z. - YAVARI, A. R. Serrated Flow Model for Metallic Glasses under Compressive Loading. In *ACTA METALLURGICA SINICA-ENGLISH LETTERS*. ISSN 1006-7191, 2013, vol. 26, no. 5, pp. 503., WOS

[1.2] TKATCH, V.I. - RASSOLOV, S.G. - POPOV, V.V. - MAKSIMOV, V.V. - MASLOV, V.V. - NOSENKO, V.K. - ARONIN, A.S. - ABROSIMOVA, G.E. - RYBCHENKO, O.G. Complex crystallization mode of

amorphous/nanocrystalline composite Al 86Ni 2Co 5.8Gd 5.7Si 0.5. In *Journal of Non-Crystalline Solids*, 2011, vol.357, no.7, 1628-1631., SCOPUS

- ADCA541 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. (3.065 - IF2000). (2001 - Current Contents, WOS, SCOPUS). ISSN 1098-0121.

Ohlasy:

[1.1] KOTVITCKII, A. et al. Structure evolution of Fe- and Co-based amorphous alloys. In *TRENDS IN MAGNETISM: NANOMAGNETISM*, 2014, vol. 215, pp. 185-189., WOS

- ADCA542 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. (0.852 - IF1996). (1997 - Current Contents, WOS, SCOPUS). ISSN 0921-5093.

Ohlasy:

[1.2] CHAO, Y.-S. - GUO, H. - GAO, X.-Y. - LUO, L.-P. - ZHU, H.-X. Investigation on annealed Fe 43Co 43 Hf 7B 6Cu 1 amorphous alloy by positron annihilation spectroscopy. In *Acta Physica Sinica*, 2011, vol.60, no.1, 017504., SCOPUS

[1.2] QIAO, Jichao - CASALINI, Riccardo - PELLETIER, Jean Marc - KATO, Hidemi. Characteristics of the structural and johari-goldstein relaxations in pd-based metallic glass-forming liquids. In *Journal of Physical Chemistry B*. ISSN 15206106, 2014-04-03, 118, 13, pp. 3720-3730., SCOPUS

[1.2] ZOU, M.M. - ZHANG, J. - LI, B. - ZHU, L.J. - LIU, L. - FU, H.Z. Effect of melt overheating history on the microstructure of Ni-base single crystal superalloy. In *Advanced Materials Research*, 2011, vol.217-218, 692-696., SCOPUS

- ADCA543 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] DAI LING-YUN - WANG XUAN-GONG - ZHENG HAI-QING. Pole Analysis of Unitarized One Loop chi PT Amplitudes A Triple Channel Study. In *COMMUNICATIONS IN THEORETICAL PHYSICS*. ISSN 0253-6102, 2012, vol. 58, no. 3, pp. 410., WOS

- ADCA544 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. (0.850 - IF1999). (2000 - Current Contents). ISSN 0957-0233.

Ohlasy:

[1.1] ABYZOV, Andrey M. - SHAKHOV, Fedor M. Measurement of the effective thermal conductivity of particulate materials by the steady-state heat flow method in a cuvette. In *MEASUREMENT SCIENCE & TECHNOLOGY*. ISSN 0957-0233, 2014, vol. 25, no. 12, 125009., WOS

- [1.1] GAO, Jing - YOU, Jiang - COCHRAN, Sandy - CORNER, George - HUANG, Zhihong - MURATORE, R - KONOFAGOU, EE. Simultaneous Measurements of Thermo-Physical Properties of Egg White Phantoms for HIFU by Using the Step-Wise Transient Plane Source Technique. In 11TH INTERNATIONAL SYMPOSIUM ON THERAPEUTIC ULTRASOUND. ISSN 0094-243X, 2012, vol. 1481, pp. 88., WOS
- [1.1] GAO, Jing - YOU, Jiang - HUANG, Zhihong - COCHRAN, Sandy - CORNER, George. Simultaneous Measurement of Thermophysical Properties of Tissue-Mimicking Phantoms for High Intensity Focused Ultrasound (HIFU) Exposures. In INTERNATIONAL JOURNAL OF THERMOPHYSICS. ISSN 0195-928X, 2012, vol. 33, no. 3, pp. 495., WOS
- [1.1] HOU, W-S - CHUANG, T-F - HSIEH, E-C - CHANG, Y-H. An analysis of heat insulation efficiency of building outer skins used for green building. In BUILDING SERVICES ENGINEERING RESEARCH & TECHNOLOGY. ISSN 0143-6244, 2012, vol. 33, no. 4, pp. 407., WOS
- [1.1] CHUDZIK, Stanislaw. Measurement of thermal diffusivity of insulating material using an artificial neural network. In MEASUREMENT SCIENCE & TECHNOLOGY. ISSN 0957-0233, 2012, vol. 23, no. 6, 065602., WOS
- [1.1] CHUDZIK, S. Measurement of thermal parameters of a heat insulating material using infrared thermography. In INFRARED PHYSICS & TECHNOLOGY. ISSN 1350-4495, 2012, vol. 55, no. 1, pp. 73., WOS
- [1.1] CHUDZIK, S. Measuring system with a dual needle probe. In MEASUREMENT SCIENCE AND TECHNOLOGY, 2011, vol. 22, no. 7, 075703., WOS
- [1.1] LI, Xiao-Fei - YUE, Kai - ZHANG, Xin-Xin. A Modified Step-wise Transient Method for Measuring the Thermal Conductivity of Anisotropic Materials. In PROCEEDINGS OF THE ASME INTERNATIONAL MECHANICAL ENGINEERING CONGRESS AND EXPOSITION, 2013, VOL 8C, 2014, vol. 8C, V08CT09A067., WOS
- [1.1] MALINARIC, Svetozar - DIESKA, Peter - KRUPA, Peter. Modified Dynamic Plane Source Method for Measuring Thermophysical Parameters of Solids. In INTERNATIONAL JOURNAL OF THERMOPHYSICS. ISSN 0195-928X, 2012, vol. 33, no. 3, pp. 528., WOS
- [1.1] TIAN, Mingwei - ZHU, Sukang - PAN, Ning. Measuring the thermophysical properties of porous fibrous materials with a new unsteady-state method. In JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY. ISSN 1388-6150, 2012, vol. 107, no. 1, pp. 395., WOS
- [1.1] TIAN, Mingwei - ZHU, Sukang - CHEN, Qun - PAN, Ning. Effects of layer stacking sequence on temperature response of multi-layer composite materials under dynamic conditions. In APPLIED THERMAL ENGINEERING. ISSN 1359-4311, 2012, vol. 33-34, pp. 219., WOS

ADCA545 KUBIČÁR, Ľudovít - VRETENÁR, Viliam - ŠTOFANIK, Vladimír - BOHÁČ, Vlastimil. Hot-ball method for measuring thermal conductivity. In *International Journal of Thermophysics*, 2010, vol. 31, no. 10, p. 1904-1918. (0.702 - IF2009). (2010 - Current Contents, WOS, SCOPUS). ISSN 0195-928X.

Ohlasy:

- [1.1] ELHADJ, Selim - MATTHEWS, Manyalibo J. - YANG, Steven T. Combined Infrared Thermal Imaging and Laser Heating for the Study of Materials Thermophysical and Processing Properties at High Temperatures. In

CRITICAL REVIEWS IN SOLID STATE AND MATERIALS SCIENCES.
ISSN 1040-8436, 2014, vol. 39, no. 3, pp. 175., WOS

[1.1] PAVLIK, Zbysek - JERMAN, Milos - TRNIK, Anton - KOČI, Václav - CERNÝ, Robert. Effective thermal conductivity of hollow bricks with cavities filled by air and expanded polystyrene. In JOURNAL OF BUILDING PHYSICS. ISSN 1744-2591, 2014, vol. 37, no. 4, pp. 436., WOS

[3] BRIONIZIO, J.D.-BONNIER, G.H.-ORLANDO, A.F. Temperature profiles produced by a spherical heat source immersed in an infinite liquid medium. In XX IMEKO WORLD CONGRESS METROLOGY FOR GREEN GROWTH, September 9-14, 2012, Busan, Republic of Korea, 2012.

ADCA546 KUBIČÁR, Ľudovít - ANIBARRO, C.C. - VRETENÁR, Viliam - DIEŠKA, Peter - NOVÁK, Igor - CHODÁK, Ivan. Monitoring of epoxy curing by a thermal-conductivity sensor based on the hot-ball transient method. In *International Journal of Thermophysics*, 2012, vol. 33, p.1164 - 1176. (0.953 - IF2011). (2012 - Current Contents). ISSN 0195-928X.

Ohlasy:

[1.1] KOČI, V. - MADERA, J. - JERMAN, M. - TRNIK, A. - CERNÝ, R. Determination of the equivalent thermal conductivity of complex material systems with large-scale heterogeneities. In INTERNATIONAL JOURNAL OF THERMAL SCIENCES. ISSN 1290-0729, DEC 2014, vol. 86, p. 365-373., WOS

ADCA547 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. (2005 - Current Contents). ISSN 0195-928X.

Ohlasy:

[1.1] JERMAN, Milos - KEPPERT, Martin - VYBORNÝ, Jaroslav - CERNÝ, Robert. Hygric, thermal and durability properties of autoclaved aerated concrete. In CONSTRUCTION AND BUILDING MATERIALS. ISSN 0950-0618, 2013, vol. 41, pp. 352., WOS

[1.1] RUTIN, Sergey B. - SKRIPOV, Pavel V. Investigation of not fully stable fluids by the method of controlled pulse heating. 1. Experimental approach. In THERMOCHIMICA ACTA. ISSN 0040-6031, 2013, vol. 562, pp. 70., WOS

[1.2] CHIRDON, W.M. - PATIL, A.P. An oscillating boundary temperature method for the determination of transient thermal conductivity and internal heat generation with a comparison to a transient hot-wire method. In *International Journal of Thermophysics*, 2011, vol.32, no.10, 2010-2026., SCOPUS

ADCA548 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.

Ohlasy:

[1.1] ABID, Muhammad - HAMMERSCHMIDT, Ulf - KOEHLER, Juergen. Thermophysical properties of a fluid-saturated sandstone. In INTERNATIONAL JOURNAL OF THERMAL SCIENCES. ISSN 1290-0729, 2014, vol. 76, pp. 43., WOS

[1.1] ABID, Muhammad - HAMMERSCHMIDT, Ulf - KOEHLER, Juergen.

Temperature and moisture dependent thermophysical properties of Sander sandstone. In INTERNATIONAL JOURNAL OF THERMAL SCIENCES. ISSN 1290-0729, 2014, vol. 86, pp. 88., WOS

[1.1] DENG, Jian-Hua - YU, Fang - WANG, Gui-Lin - LI, Yong-Yi - CHEN, W - WU - XU, J. Experiment of Water Phase-change Cycles and Analysis of Damage Characteristics for Argillaceous Dolomite. In PROCEEDINGS OF THE 2014 INTERNATIONAL CONFERENCE ON MECHANICS AND CIVIL ENGINEERING. ISSN 2352-5401, 2014, vol. 7, pp. 665., WOS

[1.1] PAVLIK, Zbysek - JERMAN, Milos - TRNIK, Anton - KOČI, Václav - CERNÝ, Robert. Effective thermal conductivity of hollow bricks with cavities filled by air and expanded polystyrene. In JOURNAL OF BUILDING PHYSICS. ISSN 1744-2591, 2014, vol. 37, no. 4, pp. 436., WOS

[3] HUA, Liu- FuJun, Niu- ZhiYing, Xu. Acoustic experimental study of two types of rock from the Tibetan Plateau under the condition of freeze-thaw cycles. In SCIENCES IN COLD AND ARID REGIONS, 2012, vol. 4, no. 1, 0021-0027.

[3] ŠIMKOVÁ, I.-GREIF, V.-KOMPANÍKOVÁ, Z. Study the change of thermophysical properties of natural stone in the conditions of cyclic freezing. In ACTA GEOLOGICA SLOVACA, 2012, vol. 4, no. 1, P. 23-30.

ADCA549 KUBIČÁR, Ľudovít - VRETENÁR, Viliam - HAMMERSCHMIDT, U. Thermophysical parameters of optical glass BK7 measured by pulse transient method. In *International Journal of Thermophysics*, 2005, vol. 26, no. 2, p. 507-518. (2005 - Current Contents). ISSN 0195-928X.

Ohlasy:

[1.1] ELHADJ, S.- MATTHEWS, M.J.- YANG, S.T. In CRITICAL REVIEWS IN SOLID STATE AND MATERIALS SCIENCES, 2014, vol. 39, no. 3, pp. 175-196., WOS

[1.1] GOEBEL, A. In INTERNATIONAL JOURNAL OF THERMOPHYSICS, 2013, vol. 34, p. 883., WOS

[1.1] LIDDELL, H.P.H.- LAMBROPOULOS, J.C.- JACOBS, S.D. In APPLIED OPTICS, 2014, vol. 53, no. 26, pp. 5865-5878., WOS

[1.1] VIDI, S. In INTERNATIONAL JOURNAL OF THERMOPHYSICS, 2013, vol. 34, no. 5, p. 939., WOS

ADCA550 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] CUI, Peng - WANG, Fumei - LIANG, Zhiyong. Study on the measured error of thermal conductivity of the fibrous porous materials. Part II. Improved calculating formula. In INDUSTRIA TEXTILA. ISSN 1222-5347, 2011, vol. 62, no. 2, pp. 88., WOS

[1.1] TIAN, Mingwei - ZHU, Sukang - CHEN, Qun - PAN, Ning. Effects of layer stacking sequence on temperature response of multi-layer composite materials under dynamic conditions. In APPLIED THERMAL ENGINEERING. ISSN 1359-4311, 2012, vol. 33-34, no., pp. 219., WOS

[1.1] ZHU, Wen-kui - LIN, Hui - CAO, Yan - LI, Bin. Thermal properties

measurement of cut tobacco based on TPS method and thermal conductivity model. In *JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY*. ISSN 1388-6150, 2014, vol. 116, no. 3, pp. 1117., WOS

ADCA551 KUBIČÁR, Ľudovít. Trends in the methods of measurement of thermo-physical properties in the solid-state. In *Thermochimica Acta*, 1987, vol. 110, p. 209-215. ISSN 0040-6031.

Ohlasy:

[1.1] HOLBA, Pavel - SESTAK, Jaroslav. CZECHOSLOVAK FOOTPRINTS IN THE DEVELOPMENT OF METHODS OF THERMOMETRY, CALORIMETRY AND THERMAL ANALYSIS. In *CERAMICS-SILIKATY*. ISSN 0862-5468, 2012, vol. 56, no. 2, pp. 159., WOS

ADCA552 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.

Ohlasy:

[1.1] HOLBA, Pavel - SESTAK, Jaroslav. CZECHOSLOVAK FOOTPRINTS IN THE DEVELOPMENT OF METHODS OF THERMOMETRY, CALORIMETRY AND THERMAL ANALYSIS. In *CERAMICS-SILIKATY*. ISSN 0862-5468, 2012, vol. 56, no. 2, pp. 159., WOS

[1.1] SESTAK, Jaroslav - HOLBA, Pavel. Heat inertia and temperature gradient in the treatment of DTA peaks. In *JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY*. ISSN 1388-6150, 2013, vol. 113, no. 3, pp. 1633., WOS

ADCA553 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. (3.079 - IF1993). (1994 - Current Contents, SCOPUS). ISSN 0370-2693.

Ohlasy:

[1.1] KAUR, V.-KUMAR, S.-PURI, R.K. On the elliptical flow and mass asymmetry of colliding nuclei. In *PHYSICS LETTERS B*, 2011, VOL. 697, P. 512-516., WOS

ADCA554 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, p. 7-13. (1.312 - IF2009). (2010 - Current Contents). ISSN 0026-9247.

Ohlasy:

[1.1] BENITO, P. - DE NOLF, W. - NUYTS, G. - MONTI, M. - FORNASARI, G. - BASILE, F. - JANSSENS, K. - OSPITALI, F. - SCAVETTA, E. - TONELLI, D. - VACCARI, A. In *ACS CATALYSIS*. OCT 2014, vol. 4, no. 10, p. 3779-3790., WOS

[1.1] COULOMBE, M.A. - LEBEUF, M. - FAIRLEY, N. - WALTON, J. - SOUCY, G. In *JOURNAL OF ELECTRON SPECTROSCOPY AND RELATED PHENOMENA*. DEC 2012, vol. 185, no. 12, p. 588-597., WOS

- ADCA555 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. (0.852 - IF1996). (1997 - Current Contents, WOS, SCOPUS). ISSN 0921-5093.
Ohlasy:
[1.1] WILLARD, M.A. - DANIL, M. In HANDBOOK OF MAGNETIC MATERIALS, 2013, vol. 21, pp. 173-342., WOS
- ADCA556 KUNDRACIK, F. - HARTMANOVÁ, Mária - MÜLLEROVÁ, J. - JERSEL, 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. (0.592 - IF2000). (2001 - Current Contents, SCOPUS). ISSN 0921-5107.
Ohlasy:
[1.1] DIGIUSEPPE, Gianfranco - SUN, Li. Electrochemical performance of a solid oxide fuel cell with an LSCF cathode under different oxygen concentrations. In INTERNATIONAL JOURNAL OF HYDROGEN ENERGY. ISSN 0360-3199, 2011, vol. 36, no. 8, pp. 5076-5087., WOS
[1.1] HAN, S.H. - NOH, H.S. - NA, D.M. Heat treatment effect on microstructure of 8YSZ thick film. In JOURNAL KOREAN CERAMIC SOCIETY, 2011, vol. 48, p. 106-109., WOS
[9] HAN, S.H. - NOH, H.S. - NA, D.M. - JIN, G. H. - LEE, W.Y. -PARK, J.S. Heat Treatment Effect on the Microstructure of 8YSZ Thick Film. In Journal of the Japan Korean Ceramic Society. 2011, vol. 48, no. 1, pp. 106-109., Google Scholar
- ADCA557 KUNDRAT, V. - LOKAJIČEK, M. - KRUPA, Dalibor. Momentum-transfer dependence of the elastic-amplitude phase in high-energy hadron scattering. In *Physical review D*, 1987, vol. 35, no. 5, p. 1719-1722. ISSN 1550-7998.
Ohlasy:
[1.1] CATANESI, M. G. - FERRO, F. High-energy proton cross sections. In RIVISTA DEL NUOVO CIMENTO. ISSN 0393-697X, 2014, vol. 37, no. 6, pp. 333., WOS
[1.1] DREMIN, I.M. In PHYSICS-USPEKHI, 2013, vol. 56, no. 1, p. 3-28., WOS
- ADCA558 KUNDRÁT, V. - LOKAJIČEK, M. - KRUPA, Dalibor. Impact parameter structure derived from elastic collisions. In *Physics Letters B : nuclear, elementary particle and high-energy physics*, 2002, vol. 544, p. 132-138. (4.377 - IF2001). (2002 - Current Contents, WOS, SCOPUS). ISSN 0370-2693.
Ohlasy:
[1.1] DREMIN, I. M. Elastic scattering of hadrons. In PHYSICS-USPEKHI. ISSN 1063-7869, 2013, vol. 56, no. 1, pp. 3., WOS
- ADCA559 KURAEV, E.A. - ADAMUŠČIN, Cyril - TOMASI-GUSTAFSSON, E. - MAAS, F. Study of resonant processes for multi-pion production in p+p-l+l- +n pí pí annihilation. In *Physics Letters B*, 2007, vol. 649, no. 5-6, p. 400-404. (5.043 - IF2006). (2007 - Current Contents, WOS, SCOPUS). ISSN 0370-2693.

Ohlasy:

[1.1] DENIG, A.-SALME, G. Nucleon electromagnetic form factors. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS, Vol. 68, 2013, p. 113-157., WOS

ADCA560 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] ABDALLA, M. Sebawe - AHMED, M. M. A. - OBADA, A.S. F. Quantum treatment for two two-level atoms in interaction with an SU(1,1) quantum system. In JOURNAL OF RUSSIAN LASER RESEARCH. ISSN 1071-2836, 2013, vol. 34, no. 1, pp. 87., WOS

[1.1] DECORDI, G. L. - VIDIELLA-BARRANCO, A. Dynamics of atom-field entanglement in a bimodal cavity. In EUROPEAN PHYSICAL JOURNAL D, 2011, vol.65, no.3, 587., WOS

[1.1] GUO, Qin - HUANG, Li - HU, Li-yun - XU, Xue-xiang - ZHANG, Hao-liang. Nonclassicality of Coherent Photon-Subtracted Two Single-Modes Squeezed Vacuum State. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2013, vol. 52, no. 8, pp. 2886., WOS

[1.1] NATH, Debraj - DAS, P. K. INTERACTION OF A THREE-LEVEL ATOM WITH A SINGLE-MODE FIELD IN A TWO PHOTON RESONANT CAVITY. In INTERNATIONAL JOURNAL OF MODERN PHYSICS B, 2011, vol.25, no.3, 417., WOS

[1.1] PRIYESH, K. V. - THAYYULLATHIL, Ramesh Babu. CONTROL OF COLLAPSE-REVIVAL PHENOMENON USING A TIME VARYING SQUEEZED FIELD. In JOURNAL OF NONLINEAR OPTICAL PHYSICS & MATERIALS, 2011, vol.20, no.2, 155., WOS

[1.1] PRIYESH, K. V. - THAYYULLATHIL, Ramesh Babu. Effect of Phase Shifted Frequency Modulation on Two Level Atom-Field Interaction. In COMMUNICATIONS IN THEORETICAL PHYSICS. ISSN 0253-6102, 2012, vol. 57, no. 3, pp. 468., WOS

[1.1] SINGH, Sudha - AMRITA. Dynamics of the Two Atoms Interacting with Quantized Two Modes Cavity Fields in the Ladder Configuration. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2013, vol. 52, no. 1, pp. 137., WOS

[1.1] SKOROMNIK, O. D. - FERANCHUK, I. D. Justification of the single-mode approximation for a finite-duration laser pulse interacting with an electron. In JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS. ISSN 0953-4075, 2014, vol. 47, no. 11, 115601., WOS

[1.1] VALVERDE, C. - DE OLIVEIRA, H. C. B. - AVELAR, A. T. - BASEIA, B. Controlling Excitation Inversion of a Cooper Pair Box Interacting with a Nanomechanical Resonator. In CHINESE PHYSICS LETTERS. ISSN 0256-307X, 2012, vol. 29, no. 8, 080303., WOS

[1.1] WANG, Shuai - YUAN, Hong-chuan - XU, Xue-fen. Photon statistical properties of multiple-photon-subtracted two-mode squeezed coherent states. In OPTICS COMMUNICATIONS. ISSN 0030-4018, 2013, vol. 298, no., pp. 154., WOS

[1.1] XU XUE-FEN - WANG SHUAI - TANG BIN. Photon statistical

properties of photon-added two-mode squeezed coherent states. In CHINESE PHYSICS B. ISSN 1674-1056, 2014, vol. 23, no. 2, 024206., WOS

[1.1] YUAN HONG-CHUN - XU XUE-XIANG. One- and two-mode successively squeezed state and its statistical properties. In ACTA PHYSICA SINICA. ISSN 1000-3290, 2012, vol. 61, no. 6, 064205., WOS

ADCA561 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] MAHDIFAR, A. - FARSANI, M. Jamshidi - HAROUNI, M. Bagheri. Curvature effects on the interaction of nonlinear sphere coherent states with a three-level atom. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS. ISSN 0740-3224, 2013, vol. 30, no. 11, pp. 2952., WOS

[1.1] YU WEN-JIAN - WANG JI-SUO - LIANG BAO-LONG. Quantum properties of two-level atoms interacting with nonlinear coherent states. In ACTA PHYSICA SINICA. ISSN 1000-3290, 2012, vol. 61, no. 6, 060301., WOS

ADCA562 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.

Ohlasy:

[1.1] ARUN, R. Interference-assisted squeezing in fluorescence radiation. In PHYSICS LETTERS A. ISSN 0375-9601, 2013, vol. 377, no. 3-4, pp. 200., WOS

[1.1] BANDYOPADHYAY, Abir - SINGH, Ravindra Pratap. Wigner distribution of elliptical quantum optical vortex. In OPTICS COMMUNICATIONS, 2011, vol.284, no.1, 256., WOS

[1.1] DONG, Shi-Hai. Wave Equations in Higher Dimensions. In WAVE EQUATIONS IN HIGHER DIMENSIONS, 2011, P. 3., WOS

[1.1] JAVADI, A. - ROSTAMI, A. Measurement base change for localization encoded dual rail photonic quantum computing. In OPTIK. ISSN 0030-4026, 2012, vol. 123, no. 15, pp. 1336., WOS

[1.1] KUMAR, Shivani A. - PRAKASH, H. - CHANDRA, N. - PRAKASH, R. NOISE IN SWAPPING BETWEEN TWO PAIRS OF NON-ORTHOGONAL ENTANGLED COHERENT STATES. In MODERN PHYSICS LETTERS B. ISSN 0217-9849, 2013, vol. 27, no. 3, 1350017., WOS

[1.1] PEREZ-LEIJA, Armando - HERNANDEZ-HERREJON, J. C. - MOYA-CESSA, Hector - SZAMEIT, Alexander - CHRISTODOULIDES, Demetrios N. Generating photon-encoded W states in multiport waveguide-array systems. In PHYSICAL REVIEW A. ISSN 1050-2947, 2013, vol. 87, no. 1, 013842., WOS

[1.1] PEREZ-LEIJA, Armando - KEIL, Robert - MOYA-CESSA, Hector - SZAMEIT, Alexander - CHRISTODOULIDES, Demetrios N. Perfect transfer of path-entangled photons in J(x) photonic lattices. In PHYSICAL REVIEW A. ISSN 1050-2947, 2013, vol. 87, no. 2, 022303., WOS

[1.1] RIAUD, P. The quantum stellar interferometer. In EUROPEAN PHYSICAL JOURNAL D. ISSN 1434-6060, 2012, vol. 66, no. 1., WOS

[1.1] ROSTAMI, A. - JAVADI, A. - SHUM, PP. Nonclassical Light in Array of Single Mode Optical Waveguides. In PASSIVE COMPONENTS AND

FIBER-BASED DEVICES VII, 2011, vol.7986, no. 79861A., WOS

[1.1] TANG HUI-QIN - LI SHAO-XIN - ZHU KAI-CHENG - TANG YING - ZHENG XIAO-JUAN. Preparing quantum vortex states with odd Schrodinger cat states through a coupled waveguide system. In CHINESE PHYSICS B. ISSN 1674-1056, 2013, vol. 22, no. 7, 074202., WOS

[1.1] ZHU, Kaicheng - LI, Shaoxin - TANG, Huiqin - TANG, Ying - ZHENG, Xiaojuan. Vortex and entanglement occurring in propagating states through coupled lossy waveguides. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2013, vol. 12, no. 8, pp. 2901., WOS

ADCA563 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. (1.319 - IF2007). (2008 - Current Contents, SCOPUS). ISSN 0022-3093.

Ohlasy:

[1.1] OMELKOV, S.I. In JOURNAL OF PHYSICS-CONDENSED MATTER, 2011, VOL. 23, NO. 10, 105501., WOS

[1.1] SMITS, Krisjanis - JANKOVICA, Dzidra - SARA KOVSKIS, Anatolijs - MILLERS, Donats. Up-conversion luminescence dependence on structure in zirconia nanocrystals. In OPTICAL MATERIALS. ISSN 0925-3467, 2013, vol. 35, no. 3, pp. 462., WOS

[1.1] SMITS, K. - SARA KOVSKIS, A. - GRIGORJEVA, L. - MILLERS, D. - GRABIS, J. The role of Nb in intensity increase of Er ion upconversion luminescence in zirconia. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2014, vol. 115, no. 21, 213520., WOS

[1.1] ZHANG, Peng - SU, Yurong - TENG, Feng - HE, Yongmin - ZHAO, Changhui - ZHANG, Guozhi - XIE, Erqing. Luminescent enhancement in ZrO₂:Tb³⁺, Gd³⁺ nanoparticles by active-shell modification. In CRYSTENGCOMM. ISSN 1466-8033, 2014, vol. 16, no. 7, pp. 1378., WOS

[1.2] GAO, Q.-X. - WANG, X.-F. - TAO, Y.-R. - WU, X.-C. Photoluminescence properties of zirconia nanobelts with trace Sm³⁺ ions. In Science of Advanced Materials, 2012, vol.4, no.2, 327-331., SCOPUS

[1.2] CHO, S.-H. - CHO, S.-W. Synthesis and Photoluminescence Properties of Red Phosphors Gd_{1-x}Al₃(BO₃)₄: Eu³⁺. In Korean Journal of Materials Research, 2012, vol.22, no.3, 145-149., SCOPUS

[1.2] SMITS, K. - JANKOVICA, D. - SARA KOVSKIS, A. - MILLERS, D. Up-conversion luminescence dependence on structure in zirconia nanocrystals. In Optical Materials, 2013, vol.35, no.3, 462-466., SCOPUS

[1.2] TISEANU, C. - PARVULESCU, V.I. - COJOCARU, B. - PEMARTIN, K. - SANCHEZ-DOMINGUEZ, M. - BOUTONNET, M. In situ Raman and time-resolved luminescence investigation of the local structure of ZrO₂ in the amorphous to crystalline phase transition. In Journal of Physical Chemistry C, 2012, vol.116, no.31, 16776-16783., SCOPUS

[1.2] WANG, X. - ZHAO, J. - DU, P. - GUO, L. - XU, X. - TANG, C. The photoluminescence properties of Er³⁺-doped ZrO₂ nanotube arrays prepared by anodization. In Materials Research Bulletin, 2012, vol.47, no.11, 3916-3919., SCOPUS

[1.2] WANG, Z. - ZHANG, J. - ZHENG, G. - LIU, Y. - ZHAO, Y. The unusual variations of photoluminescence and afterglow properties in monoclinic ZrO₂ by annealing. In Journal of Luminescence, 2012, vol.132, no.11,

2817-2821., SCOPUS

[1.2] ZHAO, Z. - WANG, Y. The synthesis and afterglow luminescence properties of a novel red afterglow phosphor: $\text{ZrO}_2\text{:Sm}^{3+}\text{Sn}^{4+}$. In *Journal of Luminescence*, 2012, vol.132, no.11, 2842-2846., SCOPUS

ADCA564 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.

Ohlasy:

[1.1] JANKOWSKI, Mariusz - NAPIERALSKI, Andrzej. High-voltage high input impedance unity-gain voltage buffer. In *MICROELECTRONICS JOURNAL*. ISSN 0026-2692, 2013, vol. 44, no. 7, pp. 576., WOS

ADCA565 LÁNYI, Štefan - TOROK, J. - ŘEHUŘEK, P. A novel capacitance microscope. In *Review of Scientific Instruments*, 1994, vol. 65, p. 2258-2261. (0.914 - IF1993). (1994 - Current Contents, SCOPUS). ISSN 0034-6748.

Ohlasy:

[1.1] KŁAPETEK, Petr. Electrostatic Fields. In *QUANTITATIVE DATA PROCESSING IN SCANNING PROBE MICROSCOPY: SPM APPLICATIONS FOR NANOMETROLOGY*, 2013, pp. 191., WOS

ADCA566 LÁNYI, Štefan - HRUŠKOVIC, M. Analysis of lateral resolution and contrast of scanning capacitance microscopes. In *Surface Science*, 2004, vol. 566-568, p. 880-884. ISSN 0039-6028.

Ohlasy:

[1.1] KŁAPETEK, Petr. Electrostatic Fields. In *QUANTITATIVE DATA PROCESSING IN SCANNING PROBE MICROSCOPY: SPM APPLICATIONS FOR NANOMETROLOGY*, 2013, pp. 191., WOS

ADCA567 LÁNYI, Štefan. Analysis of linearity errors of inverse capacitance position sensors. In *Measurements Science and Technology*, 1998, vol. 9, p. 1757-1764. ISSN 0957-0233.

Ohlasy:

[1.1] NOUIRA, Hichem - VISSIERE, Alain - DAMAK, Mohamed - DAVID, Jean-Marie. Investigation of the influence of the main error sources on the capacitive displacement measurements with cylindrical artefacts. In *PRECISION ENGINEERING-JOURNAL OF THE INTERNATIONAL SOCIETIES FOR PRECISION ENGINEERING AND NANOTECHNOLOGY*. ISSN 0141-6359, 2013, vol. 37, no. 3, pp. 721., WOS

ADCA568 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.

Ohlasy:

[1.1] FENNER, M. A. - WU, S. - YU, J.J. - HUBER, H.P. - KIENBERGER, F. Advanced Characterization of Material Properties on the Nanometer Scale Using Atomic Force Microscopy. In *ACTA PHYSICA POLONICA A*. ISSN 0587-4246, 2012, vol. 121, no. 2, pp. 416., WOS

[1.1] KŁAPETEK, Petr. Electrostatic Fields. In *QUANTITATIVE DATA PROCESSING IN SCANNING PROBE MICROSCOPY: SPM*

APPLICATIONS FOR NANOMETROLOGY, 2013, pp. 191., WOS

[1.1] ROMMEL, Mathias - JAMBRECK, Joachim D. - LEMBERGER, Martin - BAUER, Anton J. - FREY, Lothar - MURAKAMI, Katsuhisa - RICHTER, Christoph - WEINZIERL, Philipp. Influence of parasitic capacitances on conductive AFM I-V measurements and approaches for its reduction. In JOURNAL OF VACUUM SCIENCE & TECHNOLOGY B. ISSN 1071-1023, 2013, vol. 31, no. 1, 01A108., WOS

[1.1] WEBER, Joel C. - BLANCHARD, Paul T. - SANDERS, Aric W. - GERTSCH, Jonas C. - GEORGE, Steven M. - BERWEGGER, Samuel - IMTIAZ, Atif - COAKLEY, Kevin J. - WALLIS, Thomas M. - BERTNESS, Kris A. - KABOS, Pavel - SANFORD, Norman A. - BRIGHT, Victor M. GaN nanowire coated with atomic layer deposition of tungsten: a probe for near-field scanning microwave microscopy. In NANOTECHNOLOGY. ISSN 0957-4484, 2014, vol. 25, no. 41, 415502., WOS

[1.1] YANEV, V. - ROMMEL, M. - BAUER, A. J. - FREY, L. Characterization of thickness variations of thin dielectric layers at the nanoscale using scanning capacitance microscopy. In JOURNAL OF VACUUM SCIENCE & TECHNOLOGY B, 2011, vol.29, no.1., WOS

[1.2] FENNER, M.A. - KIENBERGER, F. - TANBAKUCHI, H. - HUBER, H.-P. - HINTERDORFER, P. Quantitative measurement of electric properties on the nanometer scale using atomic force microscopy. In IEEE 2011 Semiconductor Conference Dresden: Technology, Design, Packaging, Simulation and Test, SCD 2011 International Conference, Workshop and Table-Top Exhibition, 2011 ., SCOPUS

[1.2] YANEV, V. - ROMMEL, M. - BAUER, A.J. - FREY, L. Characterization of thickness variations of thin dielectric layers at the nanoscale using scanning capacitance microscopy. In Journal of Vacuum Science and Technology B: Microelectronics and Nanometer Structures, 2011, vol.29, no.1, 01A4011-01A4016., SCOPUS

ADCA569 LÁNYI, Štefan. Effect of adsorbed water on the resolution of scanning capacitance microscopes. In *Surface and Interface Analysis*, 1999, vol. 27, no. 5-6, p. 348-353. ISSN 0142-2421.

Ohlasy:

[1.1] WANG, Fei - CLEMENT, Nicolas - DUCATTEAU, Damien - TROADEC, David - TANBAKUCHI, Hassan - LEGRAND, Bernard - DAMBRINE, Gilles - THERON, Didier. Quantitative impedance characterization of sub-10nm scale capacitors and tunnel junctions with an interferometric scanning microwave microscope. In NANOTECHNOLOGY. ISSN 0957-4484, 2014, vol. 25, no. 40, 405703., WOS

ADCA570 LÁNYI, Štefan - TOROK, J. - REHUREK, P. Imaging conducting surfaces and dielectric films by a scanning capacitance microscope. In *Journal of Vacuum Science and Technology B*, 1996, vol. 14, no. 2, p. 892-896. ISSN 0734-211X.

Ohlasy:

[1.1] KUMMALI, Mohammed M. - ALEGRIA, Angel - MICCIO, Luis A. - COLMENERO, Juan. Study of the Dynamic Heterogeneity in Poly(ethylene-ran-vinyl acetate) Copolymer by Using Broadband Dielectric Spectroscopy and Electrostatic Force Microscopy. In MACROMOLECULES. ISSN 0024-9297, 2013, vol. 46, no. 18, pp. 7502., WOS

- [1.1] KUMMALI, Mohammed M. - MICCIO, Luis A. - SCHWARTZ, Gustavo A. - ALEGRIA, Angel - COLMENERO, Juan - OTEGUI, Jon - PETZOLD, Albrecht - WESTERMANN, Stephan. Local mechanical and dielectric behavior of the interacting polymer layer in silica nano-particles filled SBR by means of AFM-based methods. In POLYMER. ISSN 0032-3861, 2013, vol. 54, no. 18, pp. 4980., WOS
- [1.2] RIEDEL, C. - ALEGRÍA, A. - SCHWARTZ, G.A. - COLMENERO, J. - SENZ, J.J. Numerical study of the lateral resolution in electrostatic force microscopy for dielectric samples. In Nanotechnology, 2011, vol.22, no.28, 285705., SCOPUS

ADCA571 LÁNYI, Štefan - OŽVOLD, Milan. Improved wide-range bimorph scanners. In *Ultramicroscopy*, 1992, vol. 42, p. 1664-1667. ISSN 0304-3991.

Ohlasy:

- [1.1] BANSEVICIUS, R. - NAVICKAITE, S. - JURENAS, V. - BUBULIS, A. Piezoelectric actuator for micro robot used in nanosatellite. In JOURNAL OF VIBROENGINEERING. ISSN 1392-8716, 2014, vol. 16, no. 4, pp. 2008., WOS

ADCA572 LÁNYI, Štefan. On the lateral resolution of scanning capacitance microscope based C-V measurements. In *Ultramicroscopy*, 2010, vol. 110, p. 1343-1348. (2.067 - IF2009). (2010 - Current Contents). ISSN 0304-3991.

Ohlasy:

- [1.1] K LAPETEK, Petr. Electrostatic Fields. In QUANTITATIVE DATA PROCESSING IN SCANNING PROBE MICROSCOPY: SPM APPLICATIONS FOR NANOMETROLOGY, 2013, pp. 191., WOS

ADCA573 LÁNYI, Štefan. Solid-state effects in the AC response of RBAG415 graphite cells. In *Electrochimica Acta*, 1990, vol. 35, no. 10, p. 1649-1655. ISSN 0013-4686.

Ohlasy:

- [1.1] DESPOTULI, A.-ANDREEVA, A. Electrode nanostructures for advanced supercapacitors. In ACTA PHYSICA POLONICA A, 2011, vol. 120, no. 2, p. 260-265., WOS

ADCA574 LÁNYI, Štefan. The noise of input stages with low parasitic capacitance. In *Measurement Science and Technology*. - Bristol : Institute of Physics Publishing, 2001, vol. 12, p. 1456-1464. ISSN 0957-0233.

Ohlasy:

- [1.1] RIMMINEN, H. - KYYNARAINEN, J. Note: Readout of a micromechanical magnetometer for the ITER fusion reactor. In REVIEW OF SCIENTIFIC INSTRUMENTS. ISSN 0034-6748, 2013, vol. 84, no. 5, 056110., WOS

ADCA575 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.

Ohlasy:

- [1.1] BALKE, Nina - BONNELL, Dawn - GINGER, David S. - KEMERINK, Martijn. Scanning probes for new energy materials: Probing local structure and function. In MRS BULLETIN. ISSN 0883-7694, 2012, vol. 37, no. 7, pp. 633., WOS

[1.1] K LAPETEK, Petr. Electrostatic Fields. In QUANTITATIVE DATA PROCESSING IN SCANNING PROBE MICROSCOPY: SPM APPLICATIONS FOR NANOMETROLOGY, 2013, pp. 191., WOS

ADCA576 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. (3.416 - IF2010). (2011 - Current Contents). ISSN 0556-2813.

Ohlasy:

[1.1] SAVRAN, D. - AUMANN, T. - ZILGES, A. Experimental studies of the Pygmy Dipole Resonance. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2013, vol. 70, pp. 210-245., WOS

[1.1] UHRENHOLT, H. - ABERG, S. - DOBROWOLSKI, A. - DOSSING, Th - ICHIKAWA, T. - MOELLER, P. Combinatorial nuclear level-density model. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2013, vol. 913, p. 127-156., WOS

[1.1] USMAN, I. - BUTHELEZI, Z. - CARTER, J. - COOPER, G. R. J. - FEARICK, R. W. - FOERTSCH, S. V. - FUJITA, H. - KALMYKOV, Y. - VON NEUMANN-COSEL, P. - NEVELING, R. - POLTORATSKA, I. - RICHTER, A. - SHEVCHENKO, A. - SIDERAS-HADDAD, E. - SMIT, F. D. - WAMBACH, J. Level density of 2(+) states in Ca-40 from high-energy-resolution (p,p ') experiments. In PHYSICAL REVIEW C, 2011, vol.84, no.5, 054322., WOS

ADCA577 LEBOWITZ, L.J. - MAZEL, A. - NIELABA, P. - ŠAMAJ, Ladislav. Ordering and demixing transitions in multicomponent Widom-Rowlinson models. In *Physical Review E. Statistical, Nonlinear and Soft Matter Physics*, 1995, vol. 52, no. 6, p. 5985-5996. (1.890 - IF1994). ISSN 1539-3755.

Ohlasy:

[1.1] ARISTOFF, David - RADIN, Charles. First order phase transition in a model of quasicrystals. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL, 2011, vol.44, no.25, 255001., WOS

ADCA578 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. (3.322 - IF2008). (2009 - Current Contents, WOS, SCOPUS). ISSN 1098-0121.

Ohlasy:

[1.1] FOURNEE, V. Thin film growth. In ISRAEL JOURNAL OF CHEMISTRY, 2011, vol. 51, p. 1314., WOS

[1.1] MURALIDHARAN, Srevatsan - KHODADAD, Raika - SULLIVAN, Ethan - HAATAJA, Mikko. Multilayer thin film growth on crystalline and quasicrystalline surfaces: A phase-field crystal study. In PHYSICAL REVIEW B. ISSN 1098-0121, 2012, vol. 85, no. 24, 245428., WOS

[1.1] THIEL, P.A. Distinctive feature of surface structure of quasicrystals. In ISRAEL JOURNAL OF CHEMISTRY, 2011, vol. 51, p. 1326., WOS

[1.1] VILLASECA, S. Alarcon - DUBOIS, J.M. - GAUDRY, E. Lead adsorption on the pseudo-10-fold surface of the Al₁₃Co₄ complex metallic alloy:

A first principle study. In INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY. ISSN 0020-7608, 2013, vol. 113, no. 6, pp. 840., WOS
[1.1] VILLASECA, S.A. Structural investigation of (001) surface. In JOURNAL OF PHYSICAL CHEMISTRY C, 2011, vol. 115, no. 30, p. 14922., WOS

ADCA579 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, 064512. (2.079 - IF2010). (2011 - Current Contents). ISSN 0021-8979.

Ohlasy:

[1.1] VALENCIA, German Ayala - RODRIGUEZ LLANOS, Jaiber Humberto - DE OLIVEIRA VERCIK, Luci Cristina - VERCIK, Andres. Electronic transport in organic memories of chitosan with gold nanoparticles. In JOURNAL OF POLYMER ENGINEERING. ISSN 0334-6447, 2014, vol. 34, no. 2, pp. 105., WOS

ADCA580 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] ADAM, P. - DARAZS, Z. - KISS, T. - MECHLER, M. Double self-Kerr scheme for optical Schrodinger-cat state preparation. In PHYSICA SCRIPTA, 2011, vol.T143, no. FEBR., WOS

[1.1] PODOSHVEDOV, S. A. Engineering of Schrodinger cat states by a sequence of displacements and photon additions or subtractions. In JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS, 2011, vol.112, no.4, 551., WOS

ADCA581 LEFAIX, H. - VERMAUT, D. - JANIČKOVIČ, Dušan - ŠVEC, Peter - PORTIER, R. - PRIMA, F. Processing and characterization of rapidly quenched Ti-based alloys: Influence of solidif.rate on the as-quenched structures. In *Journal of Alloys and Compounds*, 2009, vol. 483, no 1-2, p. 168-172. (1.510 - IF2008). (2009 - Current Contents, WOS, SCOPUS). ISSN 0925-8388.

Ohlasy:

[1.1] DAGHER, A. et al. In INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, 2014, vol. 39, no. 31, pp. 17740-17746., WOS

[1.1] CHOI, S.-B. Pressure-composition-temperature. In PHILOSOPHICAL MAGAZINE, 2011, VOL. 91, P. 2937-2943., WOS

[1.1] MIAO, X. Structural, thermal and magnetic properties of Fe-Si-B-P-Cu melt-spun ribbons. In JOURNAL OF ALLOYS AND COMPOUNDS, 2011, VOL. 509, P. 2789-2792., WOS

[1.1] PAN, G. et al. In JOURNAL OF ALLOYS AND COMPOUNDS, 2014, vol. 589, pp. 628-632., WOS

ADCA582 LEFAIX, H. - VERMAUT, P. - JANIČKOVIČ, Dušan - ŠVEC, Peter - GLORANT, T. - PORTIER, R. - PRIMA, F. Unusual devitrification behavior in rapidly solidified Ti₄₅Zr₃₈Ni₁₇ alloy. In *Journal of Alloys and Compounds*, 2008. Vol. 460, p. 392-399. ISSN 0925-8388.

Ohlasy:

[1.1] KOCJAN, A. The impact of ambients gas. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, 2011, VOL. 323, P. 301-305., WOS

[1.1] WANG, X. Preparation and wear resistance of Ti-Zr-Ni quasicrystal. In PHILOSOPHICAL MAGAZINE, 2011, VOL. 91, P. 2929-2936., WOS

ADCA583 LEO, G. - CHUSHKIN, Jurij - LUBY, Štefan - MAJKOVÁ, Eva - KOSTIČ, Ivan - ULMEANU, M. - LUCHES, A. - GIER SIG, 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.

Ohlasy:

[1.1] AZARKHARMAN, Fereshteh - IRANIZAD, Esmail Saievar - SEBT, Seyed Ali. Monolayers of spin-coated L1(0) FePt nanoparticles. In EUROPEAN PHYSICAL JOURNAL D. ISSN 1434-6060, 2013, vol. 67, no. 4, 71., WOS

[1.1] BELLIDO, Elena - DOMINGO, Neus - OJEA-JIMENEZ, Isaac - RUIZ-MOLINA, Daniel. Structuration and Integration of Magnetic Nanoparticles on Surfaces and Devices. In SMALL. ISSN 1613-6810, 2012, vol. 8, no. 10, pp. 1465., WOS

[1.1] KUS, Mahmut - OZEL, Faruk - VARAL, Nurhan M. - ERSOZ, Mustafa. LUMINESCENCE ENHANCEMENT OF OLED PERFORMANCE BY DOPING COLLOIDAL MAGNETIC Fe₃O₄ NANOPARTICLES. In PROGRESS IN ELECTROMAGNETICS RESEARCH-PIER. ISSN 1559-8985, 2013, vol. 134, pp. 509., WOS

[1.1] RICHARDI, J. - WEIS, J.J. Low density mesostructures of confined dipolar particles in an external field. In JOURNAL OF CHEMICAL PHYSICS, 2011, vol.135, no.12, 124502., WOS

[1.1] ZHAO, Liyan - LIAO, Kristine - PYNENBURG, Mark - WONG, Louis - HEINIG, Nina - THOMAS, Joseph P. - LEUNG, K. T. Electro-oxidation of Ascorbic Acid by Cobalt Core-Shell Nanoparticles on a H-Terminated Si(100) and by Nanostructured Cobalt-Coated Si Nanowire Electrodes. In ACS APPLIED MATERIALS & INTERFACES. ISSN 1944-8244, 2013, vol. 5, no. 7, pp. 2410., WOS

ADCA584 LEONSKI, W. - BUŽEK, Vladimír. Quantum laser field-effect on the photoelectron-spectrum for autoionizing systems. In *Journal of Modern Optics*, 1990, vol. 37, no. 12, p. 1923-1934. ISSN 0950-0340.

Ohlasy:

[1.1] BAYAL, Indranil - DUTTA, Bibhas Kumar - PANCHADHYAYEE, Pradipta - MAHAPATRA, Prasanta Kumar. Optical analogue of double Fano resonance via dressed twin continua. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS. ISSN 0740-3224, 2013, vol. 30, no. 12, pp. 3202., WOS

[1.1] DINH, T. Bui - QUOC, K. Doan - LONG, V. Cao - XUAN, K. Dinh. Pulse propagation in an autoionization medium with double Fano profile. In EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS. ISSN 1951-6355, 2013, vol. 222, no. 9, pp. 2233., WOS

[1.1] KONDEJ, Sylwia - LEONSKI, Wieslaw. A straight waveguide with a wire inducing resonances. In JOURNAL OF PHYSICS A-MATHEMATICAL

AND THEORETICAL. ISSN 1751-8113, 2014, vol. 47, no. 22, 225201., WOS
 [1.1] PERINOVA, V. - LUKS, A. - KREPELKA, J. - PERINA, J. Quantum correlation and entanglement between an ionizing system and a neighboring atom interacting directly and via a quantized field. In PHYSICAL REVIEW A. ISSN 1050-2947, 2014, vol. 90, no. 3, 033428., WOS
 [1.1] THUAN BUI DINH - LEONSKI, Wieslaw - VAN CAO LONG - PERINA, Jan. Electromagnetically induced transparency in systems with degenerate autoionizing levels in A-configuration. In OPTICA APPLICATA. ISSN 0078-5466, 2013, vol. 43, no. 3, pp. 471., WOS
 [1.1] THUAN BUI DINH - VAN CAO LONG - LEONSKI, Wieslaw - PERINA, Jan. Electromagnetically induced transparency for a double Fano-profile system. In EUROPEAN PHYSICAL JOURNAL D. ISSN 1434-6060, 2014, vol. 68, no. 6, 150., WOS

ADCA585 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}Co_x)(86)Hf₇B₆Cu₁ alloys. In *Physica B*, 2005, vol. 370, no. 1-4, p. 151-157. ISSN 0921-4526.

Ohlasy:

[1.1] DMITRIEVA, N. V. - LUKSHINA, V. A. - VOLKOVA, E. G. - POTAPOV, A. P. - GAVIKO, V. S. - FILIPPOV, B. N. Fe- and co-based nanocrystalline soft magnetic alloys modified with Hf, Mo, and Zr: Magnetic properties, thermal stability, and structure. Alloys (Fe_{0.6}Co_{0.4})(86)Hf₇B₆Cu₁ and (Fe_{0.7}Co_{0.3})(88)Hf₇B₄Cu₁. In PHYSICS OF METALS AND METALLOGRAPHY. ISSN 0031-918X, 2013, vol. 114, no. 2, pp. 129., WOS
 [1.1] DMITRIEVA, N. V. - LUKSHINA, V. A. - VOLKOVA, E. G. - POTAPOV, A. P. - FILIPPOV, B. N. Fe- and co-based nanocrystalline soft magnetic alloys modified with Hf, Mo, and Zr: Magnetic properties, thermal stability, and structure. Alloy (Fe_{0.7}Co_{0.3})(88)Hf₄Mo₂Zr₁B₄Cu₁. In PHYSICS OF METALS AND METALLOGRAPHY. ISSN 0031-918X, 2013, vol. 114, no. 2, pp. 138., WOS
 [1.1] DMITRIEVA, N. V. - LUKSHINA, V. A. - VOLKOVA, E. G. - POTAPOV, A. P. - FILIPPOV, B. N. - SHISHKIN, D. A. Magnetic Properties, Thermal Stability, and Structure of the Nanocrystalline Soft Magnetic (Fe_{0.7}Co_{0.3})(88)Hf₂W₂Mo₂Zr₁B₄Cu₁ Alloy with Induced Magnetic Anisotropy. In PHYSICS OF METALS AND METALLOGRAPHY. ISSN 0031-918X, 2014, vol. 115, no. 4, pp. 326., WOS
 [1.1] CHAO YUESHENG - WANG LI - ZHANG YANHUI - ZHU HANXIAN - LUO LIPING. EFFECT OF LOW-TEMPERATURE VACUUM ANNEALING ON THE MAGNETIC PULSED AMORPHOUS Fe₅₂Co₃₄Hf₇B₆Cu₁ ALLOY. In ACTA METALLURGICA SINICA. ISSN 0412-1961, 2012, vol. 48, no. 6, pp. 749., WOS
 [1.1] CHAO YUE-SHENG - GUO HONG - GAO XIANG-YU - LUO LI-PING - ZHU HAN-XIAN. Investigation on annealed Fe-43 Co-43 Hf-7 B-6 Cu-1 amorphous alloy by positron annihilation spectroscopy. In ACTA PHYSICA SINICA, 2011, vol.60, no.1, 017504., WOS
 [1.1] CHITSAZAN, B. - SHOKROLLAHI, H. - BEHVANDI, A. - GHAFFARI, M. Magnetic, structural and micro-structural properties of mechanically alloyed nano-structured Fe₄₈Co₄₈V₄ powder containing inter-metallic Co₃V. In JOURNAL OF MAGNETISM AND MAGNETIC

MATERIALS, 2011, vol.323, no.9, 1128., WOS

[1.1] JIA, Yun-yun - WANG, Zhi - WANG, Jia - SHI, Rui-min. Structure and magnetic properties of Ni-5(Fe0.5Co0.5)(68.5)Si13.5Nb3B9Cu alloy. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2012, vol. 324, no. 23, pp. 3981., WOS

[1.1] LI, Yongjian - LIU, Yafeng - LIU, Fugui - YANG, Qingxin - REN, Pengxiang. Magnetic Anisotropic Properties Measurement and Analysis of the Soft Magnetic Composite Materials. In IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY. ISSN 1051-8223, 2014, vol. 24, no. 5, 7000304., WOS

[1.1] WANG, Jia - WANG, Zhi - JIA, Yun-yun - SHI, Rui-min - WEN, Zhuan-ping. High temperature soft magnetic properties of (Fe_xCo_{1-x})(73.5)Cu₁Mo₃Si_{13.5}B₉ (x=0.5,1) alloys. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2013, vol. 328, pp. 62., WOS

[1.1] WILLARD, Matthew A. - DANIIL, Maria - BUSCHOW, KHJ. NANOCRYSTALLINE SOFT MAGNETIC ALLOYS TWO DECADES OF PROGRESS. In HANDBOOK OF MAGNETIC MATERIALS, VOL 21. ISSN 1567-2719, 2013, vol. 21, pp. 173., WOS

[1.1] ZHANG YAN-HUI - LI YAN-LONG - GU YUE - CHAO YUE-SHENG. Investigation of positron annihilation in Fe₅₂Co₃₄Hf₇B₆Cu₁ amorphous alloy treated by intermediate frequency magnetic pulse. In ACTA PHYSICA SINICA. ISSN 1000-3290, 2012, vol. 61, no. 16, 167502., WOS

[1.1] ZHANG, Yan - SHARMA, Parmanand - MAKINO, Akihiro. Effects of Cobalt Addition in Nanocrystalline Fe_{83.3}Si₄B₈P₄Cu_{0.7} Soft Magnetic Alloy. In IEEE TRANSACTIONS ON MAGNETICS. ISSN 0018-9464, 2014, vol. 50, no. 4, 2003004., WOS

ADCA586 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 - VESELSKY, Martin. Beta-delayed fission and alfa decay of ¹⁷⁸Tl. In *Physical Review C*, 2013, vol. 88, no. 4, 044322. (3.715 - IF2012). (2013 - Current Contents, WOS, SCOPUS). ISSN 0556-2813.

Ohlasy:

[1.1] McDONNELL, J.DK et al. Excitation-energy dependence of fission in the mercury region. In PHYSICAL REVIEW C, 2014, vol. 90, no. 2, 021302., WOS

ADCA587 LIPTÁK, Ľudovít - OLEJNÍK, Štefan. Casimir scaling in G(2) lattice gauge theory. In *Physical Review D*, 2008, vol. 78, 074501. ISSN 1550-7998.

Ohlasy:

[1.1] BUISSERET, Fabien. The structure of the Yang-Mills spectrum for arbitrary simple gauge algebras. In EUROPEAN PHYSICAL JOURNAL C, 2011, vol.71, no.5, 1651., WOS

[1.1] DELDAR, Sedigheh - LOOKZADEH, Hadi - NEJAD, Seyed Mohsen Hosseini - LLANESESTRADA, FJ - PELAEZ. Center vortex model and the

- G(2) gauge group. In IX INTERNATIONAL CONFERENCE ON QUARK CONFINEMENT AND THE HADRON SPECTRUM (QCHS IX), 2011, vol.1343, P. 224-226., WOS
- [1.1] DELDAR, S. - LOOKZADEH, H. - NEJAD, S. M. Hosseini. Confinement in G(2) gauge theories using the thick center vortex model and domain structures. In PHYSICAL REVIEW D. ISSN 1550-7998, 2012, vol. 85, no. 5, 054501., WOS
- [1.1] DELDAR, S. - LOOKZADEH, H. - NEJAD, S. M. Hosseini. Confinement in G(2) gauge theories using the thick center vortex model and domain structures. In PHYSICAL REVIEW D. ISSN 1550-7998, 2012, vol. 85, no. 5, 054501., WOS
- [1.1] FUREY, Cohl. Generations: three prints, in colour. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2014, 10, 046., WOS
- [1.1] GREENSITE, Jeff. Confinement from Center Vortices II. In INTRODUCTION TO THE CONFINEMENT PROBLEMS (LECTURE NOTES IN PHYSICS 821). BERLIN, SPRINGER-VERLAG, 2011, p. 87., WOS
- [1.1] ILGENFRITZ, Ernst-Michael - MAAS, Axel. Topological aspects of G(2) Yang-Mills theory. In PHYSICAL REVIEW D. ISSN 1550-7998, 2012, vol. 86, no. 11, 114508., WOS
- [1.1] ILGENFRITZ, Ernst-Michael - MAAS, Axel. Topological aspects of G(2) Yang-Mills theory. In PHYSICAL REVIEW D. ISSN 1550-7998, 2012, vol. 86, no. 11, 114508., WOS
- [1.1] LACROIX, Gwendolyn - SEMAY, Claude - CABRERA, Daniel - BUISSERET, Fabien. Glueballs and the Yang-Mills plasma in a T-matrix approach. In PHYSICAL REVIEW D. ISSN 1550-7998, 2013, vol. 87, no. 5, 054025., WOS
- [1.1] MAAS, Axel - VON SMEKAL, Lorenz - WELLEGEHAUSEN, Bjoern - WIPF, Andreas. Phase diagram of a gauge theory with fermionic baryons. In PHYSICAL REVIEW D. ISSN 1550-7998, 2012, vol. 86, no. 11, 111901., WOS
- [1.1] MAAS, Axel - VON SMEKAL, Lorenz - WELLEGEHAUSEN, Bjoern - WIPF, Andreas. Phase diagram of a gauge theory with fermionic baryons. In PHYSICAL REVIEW D. ISSN 1550-7998, 2012, vol. 86, no. 11, 111901., WOS
- [1.1] MAAS, Axel. On the gauge-algebra dependence of Landau-gauge Yang-Mills propagators. In JOURNAL OF HIGH ENERGY PHYSICS, 2011, no.2, 076., WOS
- [1.1] MYKKANEN, Anne - PANERO, Marco - RUMMUKAINEN, Kari. Casimir scaling and renormalization of Polyakov loops in large-N gauge theories. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2012, no. 5, 069., WOS
- [1.1] MYKKANEN, Anne - PANERO, Marco - RUMMUKAINEN, Kari. Casimir scaling and renormalization of Polyakov loops in large-N gauge theories. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2012, no. 5, 069., WOS
- [1.1] NEJAD, S. M. Hosseini - DELDAR, S. Role of the SU(2) and SU(3) subgroups in observing confinement in the G(2) gauge group. In PHYSICAL REVIEW D. ISSN 1550-7998, 2014, vol. 89, no. 1, 014510., WOS
- [1.1] WELLEGEHAUSEN, Bjoern H. - WIPF, Andreas - WOZAR, Christian. Casimir scaling and string breaking in G(2) gluodynamics. In PHYSICAL REVIEW D, 2011, vol.83, no.1, 016001., WOS
- [1.1] WELLEGEHAUSEN, Bjoern H. - WIPF, Andreas - WOZAR,

Christian. Phase diagram of the lattice G(2) Higgs model. In PHYSICAL REVIEW D, 2011, vol.83, no.11, 114502., WOS

[3] MAAS, A. -WELLEGEHAUSEN, B.H. G2 gauge theories. In LATTICE 2012 (PROCEEDINGS OF SCIENCE-LATTICE 2012, SISSA), p. 080.

[3] Ryan Edwards, Samuel. Topology, symmetry and phase transitions in lattice gauge theories. In PhD THESIS, TECHN. UNIV. DARMSTADT, 2013.

ADCA588 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.

Ohlasy:

[1.1] ALKAHARI, Mohd Rizal - FURUMOTO, Tatsuaki - UEDA, Takashi - HOSOKAWA, Akira - TANAKA, Ryutara - AZIZ, Mohd Sanusi Abdul - AOYAMA, T - AOYAMA, H - MATSUBARA, A - YOSHIOKA, H - ZHOU, L. Thermal Conductivity of Metal Powder and Consolidated Material fabricated via Selective Laser Melting. In EMERGING TECHNOLOGY IN PRECISION ENGINEERING XIV. ISSN 1013-9826, 2012, vol. 523-524, pp. 244-249., WOS

[1.1] SPARROW, E. M. - GORMAN, J. M. - TRAWICK, A. - ABRAHAM, J. P. Novel techniques for measurement of thermal conductivity of both highly and lowly conducting solid media. In INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER. ISSN 0017-9310, 2012, vol. 55, no. 15-16, pp. 4037., WOS

ADCA589 LUBY, Štefan - MAJKOVÁ, Eva - JERSEL, Matej - '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] HOON, Jian-Wei - CHAN, Kah-Yoong - TOU, Teck-Yong. DC magnetron sputter-deposited tungsten silicide films for microelectronic applications. In MICROELECTRONICS INTERNATIONAL, 2011, vol.28, no.2, 30-33., WOS

[1.2] HOON, J.-W. - CHAN, K.-Y. - TOU, T.-Y. DC magnetron sputter-deposited tungsten silicide films for microelectronic applications. In Microelectronics International, 2011, vol.28, no.2, 30-33., SCOPUS

[1.2] LEI, H. - CUI, S. - ZHOU, Z. - KANG, Z. - LIN, C. - LI, M. - LI, Z. Research and development of Cu/Mo/Cu laminated composite material. In Fenmo Yejin Jishu/Powder Metallurgy Technology, 2011, vol.29, no.3, 218-223., SCOPUS

ADCA590 LUBY, Štefan - ANWARZAI, B. - AC, V. - MAJKOVÁ, Eva - SENDERÁK, Rudolf. Pseudo spin-valves with different spacer thickness as sending elements of mechanical strain. In *Vacuum*, 2012, vol. 86, no. 6, p 718-720. (1.317 - IF2011). (2012 - Current Contents). ISSN 0042-207X.

Ohlasy:

[1.1] DEMYDENKO, M.-PROTSENKO, S.-SIFALOVIC, P. Null-ellipsometry investigations of the optical properties. In THIN SOLID FILMS, vol. 520, 2012, no. 17, pp. 5722-5726., WOS

ADCA591 LUBY, Štefan - MAJKOVÁ, Eva - CARICATO, A.P. - FERNANDEZ, M. - LUCHES, A. - FRAIT, Z. - FRAITOVA, D. - MALYCH, R. Pulsed excimer laser deposited Co- and Fe- based magnetic films for fast magnetic sensors. In *Journal of Magnetism and Magnetic Materials*, 2004, vol. 272-276, sp.Iss., p. 1408-1409. (0.910 - IF2003). (2004 - Current Contents, WOS, SCOPUS). ISSN 0304-8853.

Ohlasy:

[1.1] GUITTOUM, A. - BOURZAMI, A. - LAYADI, A. - SCHMERBER, G. Structural, electrical and magnetic properties of evaporated permalloy thin films: effect of substrate and thickness. In EUROPEAN PHYSICAL JOURNAL-APPLIED PHYSICS. ISSN 1286-0042, 2012, vol. 58, no. 2, 20301., WOS

ADCA592 LUBY, Štefan - MAJKOVÁ, Eva - JERGEL, 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, p. 138-143. (1996 - Current Contents). ISSN 0040-6090.

Ohlasy:

[1.1] GUO ZHONGZHENG - SUN YONG - DUAN YONGHUA - PENG MINGJUN - WU DAPING - ZHU XUETING. Structures and Properties of Cu/W Nanostructured Multilayers Deposited by Sputtering. In RARE METAL MATERIALS AND ENGINEERING. ISSN 1002-185X, 2014, vol. 43, no. 4, pp. 906., WOS

[1.1] LIU, C. H. - JIN, Y. Z. - CUI, X. J. - YANG, R. S. - FU, Q. S. - WANG, L. - TANG, J. - YE, S. Interface stability and microstructure of ultrathin Mo/MoN diffusion barrier in Cu interconnects. In MATERIALS RESEARCH INNOVATIONS. ISSN 1432-8917, 2013, vol. 17, pp. S70., WOS

[1.1] SONG, Young Sik - YIM, TaiHong - PARK, Soo-Keun - LEE, Jae-Ho - KIM, Jongryoul. Metal seed layer sputtering on high aspect ratio through-silicon-vias for copper filling electroplating. In ELECTROCHIMICA ACTA. ISSN 0013-4686, 2013, vol. 114, pp. 832., WOS

[1.2] GUO, Z. - SUN, Y. - DUAN, Y. - PENG, M. - WU, D. - LIU, G. Structure and properties of Cu/Mo nanostructure multilayer deposited by magnetron sputtering. In Chinese Journal of Rare Metals, 2012, 36, 1, pp. 92-97., SCOPUS

ADCA593 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. (1.100 - IF1999). (2000 - Current Contents). ISSN 0040-6090.

Ohlasy:

[1.1] ZHANG YONG-CHUN - CHEN BU-MING - YANG HAI-TAO - HUANG HUI - GUO ZHONG-CHENG. Anodic behavior and microstructure of Al/Pb-Ag-Co anode during zinc electrowinning. In JOURNAL OF CENTRAL SOUTH UNIVERSITY. ISSN 2095-2899, 2014, vol. 21, no. 1, pp. 83-88., WOS

[1.1] ZHANG, Yongchun - CHEN, Buming - GUO, Zhongcheng. Electrochemical Properties and Microstructure of Al/Pb-Ag and Al/Pb-Ag-Co Anodes for Zinc Electrowinning. In ACTA METALLURGICA

ADCA594 LUBY, Štefan - MAJKOVÁ, Eva. Tailoring of multilayer interfaces by pulsed laser irradiation. In *Applied Surface Science*, 2005, vol. 248, p. 316-322.

Ohlasy:

[1.1] HAMAD, B. A. Exchange coupling and magnetocrystalline anisotropy of Fe/W superlattices. In *PHYSICAL REVIEW B*, 2011, vol.83, no.24, 245135., WOS

ADCA595 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.

Ohlasy:

[1.1] LAHA, A. - AI, B. - BABU, P.R.P. - FISSEL, A. - OSTEN, H.J. In *APPLIED PHYSICS LETTERS*. OCT 10 2011, vol. 99, no. 15., WOS

[1.1] YANG, S.S. - GAO, H. - WANG, Y.F. - XIN, S.Y. - HE, Y.M. - WANG, Y.Z. - ZENG, W. In *MATERIALS RESEARCH BULLETIN*. JAN 2013, vol. 48, no. 1, p. 37-40., WOS

ADCA596 MA, Y.G. - NATOWITZ, J.B. - WADA, R. - HAGEL, K. - WANG, J. - KEUTGEN, T. - MAJKA, Z. - MURRAY, M. - QIN, L. - SMITH, P. - ALFARO, R. - CIBOR, J. - CINAUSERO, M. - EL MASRI, Y. - FABRIS, D. - FIORETTO, E. - KEKSIS, A. - LUNARDON, M. - MAKEEV, A. - MARIE, N. - MARTIN, E. - MARTINEX-DAVALOS, A. - MENCHACA-ROCHA, A. - PRETE, G. - RIZZI, V. - RUANGMA, A. - SHETTY, D.V. - SOULIOTIS, G. - STASZEL, P. - VESELSKÝ, Martin - VIESTI, G. - WINCHESTER, E.M. - YENNELLO, S.J. Critical behavior in light nuclear systems: Experimental aspects. In *Physical Review C. Nuclear physics*, 2005, vol. 71, no. 5, 054606. (3.125 - IF2004). (2005 - Current Contents, WOS, SCOPUS). ISSN 0556-2813.

Ohlasy:

[1.1] MA CHUNWANG - ZHANG YANFANG - JIN CHAN. Isospin Dependence of Fragmentation Cross Sections in Collisions of Neutron-Rich Ca Isotopes with C-12. In *PLASMA SCIENCE & TECHNOLOGY*. ISSN 1009-0630, 2012, vol. 14, no. 5, pp. 396., WOS

[1.1] MA CHUN-WANG - PU JIE - WANG SHAN-SHAN - WEI HUI-LING. The Symmetry Energy from the Neutron-Rich Nucleus Produced in the Intermediate-Energy Ca-40,Ca-48 and Ni-58,Ni-64 Projectile Fragmentation. In *CHINESE PHYSICS LETTERS*. ISSN 0256-307X, 2012, vol. 29, no. 6, 062101., WOS

[1.1] MA, Chun-Wang - PU, Jie - WEI, Hui-Ling - WANG, Shan-Shan - SONG, Heng-Li - ZHANG, Sha - CHEN, Li. Symmetry energy extracted from fragments in relativistic energy heavy-ion collisions induced by Xe-124,Xe-136. In *EUROPEAN PHYSICAL JOURNAL A*. ISSN 1434-6001, 2012, vol. 48, no. 6, 78., WOS

[1.1] ZHANG GUOQIANG - CAO XIGUANG - FU YAO - MA YUGANG - CAI XIANGZOU - WANG HONGWEI - FANG DEQING - CHEN JINGEN - GUO WEI - TIAN WENDONG - LIU GUIHUA. Origin of the finite nuclear spin

and its effect in intermediate energy heavy ion collisions. In NUCLEAR SCIENCE AND TECHNIQUES. ISSN 1001-8042, 2012, vol. 23, no. 1, pp. 61., WOS

ADCA597 MAAS, Axel. More on Gribov copies and propagators in Landau-gauge Yang-Mills theory. In *Physical Review D*, 2009, vol. 79, no. 1, 014505. (2009 - Current Contents). ISSN 1550-7998.

Ohlasy:

[1.1] BORNIAKOV, V. G. - MITRUSHKIN, V. K. - ROGALYOV, R. N. Lattice gluon propagators in 3D SU(2) theory and effects of Gribov copies. In PHYSICAL REVIEW D. ISSN 1550-7998, 2012, vol. 86, no. 11, 114503., WOS

[1.1] BORNIAKOV, V. G. - MITRUSHKIN, V. K. - ROGALYOV, R. N. Infinite volume and continuum limits for the gluon propagator in 3d SU(2) lattice gauge theory. In PHYSICAL REVIEW D. ISSN 1550-7998, 2014, vol. 89, no. 5, 054504., WOS

[1.1] CAPRI, M. A. L. - DUDAL, D. - GUIMARAES, M. S. - PALHARES, L. F. - SORELLA, S. P. PHYSICAL SPECTRUM FROM CONFINED EXCITATIONS IN A YANG-MILLS-INSPIRED TOY MODEL. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2013, vol. 28, no. 10, pp. 448-453., WOS

[1.1] CAPRI, M. A. L. - DUDAL, D. - GUIMARAES, M. S. - PALHARES, L. F. - SORELLA, S. P. An all-order proof of the equivalence between Gribov's no-pole and Zwanziger's horizon conditions. In PHYSICS LETTERS B. ISSN 0370-2693, 2013, vol. 719, no. 4-5, pp. 448., WOS

[1.1] CAPRI, M. A. L. - DUDAL, D. - GUIMARAES, M. S. - JUSTO, I. F. - SORELLA, S. P. - VERCAUTEREN, D. The (IR-)relevance of the Gribov ambiguity in SU(2) x U(1) gauge theories with fundamental Higgs matter. In ANNALS OF PHYSICS. ISSN 0003-4916, 2014, vol. 343, pp. 72., WOS

[1.1] COSTA, P. - OLIVEIRA, A. - SILVA, P. J. What does low energy physics tell us about the zero momentum gluon propagator. In PHYSICS LETTERS B, 2011, vol.695, no.5, 454., WOS

[1.1] CUCCHIERI, Attilio - MENDES, Tereza - LLANESESTRADA, FJ - PELAEZ. The Saga of Landau-Gauge Propagators: Gathering New Ammo. In IX INTERNATIONAL CONFERENCE ON QUARK CONFINEMENT AND THE HADRON SPECTRUM (QCHS IX), 2011, vol.1343, 185., WOS

[1.1] CUCCHIERI, Attilio - DUDAL, David - VANDERSICKEL, Nele. No-pole condition in Landau gauge: Properties of the Gribov ghost form factor and a constraint on the 2d gluon propagator. In PHYSICAL REVIEW D. ISSN 1550-7998, 2012, vol. 85, no. 8, 085025., WOS

[1.1] CUCCHIERI, Attilio - MENDES, Tereza. Ghost sector and geometry in minimal Landau gauge: Further constraining the infinite-volume limit. In PHYSICAL REVIEW D. ISSN 1550-7998, 2013, vol. 88, no. 11, 114501., WOS

[1.1] DUDAL, D. - GUIMARAES, M. S. - SORELLA, S. P. Pade approximation and glueball mass estimates in 3d and 4d with N-c=2, 3 colors. In PHYSICS LETTERS B. ISSN 0370-2693, 2014, vol. 732, pp. 247., WOS

[1.1] DUDAL, D. - OLIVEIRA, O. - RODRIGUEZ-QUINTERO, J. Nontrivial ghost-gluon vertex and the match of the Rened-Gribov-Zwanziger, Dyson-Schwinger equations, and lattice Yang-Mills propagators. In PHYSICAL REVIEW D. ISSN 1550-7998, 2012, vol. 86, no. 10, 105005., WOS

[1.1] DUDAL, D. - SORELLA, S. P. - VANDERSICKEL, N. Dynamical

origin of the refinement of the Gribov-Zwanziger theory. In PHYSICAL REVIEW D, 2011, vol.84, no.6, 065039., WOS

[1.1] FISTER, Leonard - PAWLOWSKI, Jan M. Confinement from correlation functions. In PHYSICAL REVIEW D. ISSN 1550-7998, 2013, vol. 88, no. 4, 045010., WOS

[1.1] GREENSITE, Jeff. Ghosts, Gluons, and Dyson-Schwinger Equations. In INTRODUCTION TO THE CONFINEMENT PROBLEMS, 2011, vol.821, 149., WOS

[1.1] LLANES-ESTRADA, Felipe J. - WILLIAMS, Richard. Two infrared Yang-Mills solutions in stochastic quantization and in an effective action formalism. In PHYSICAL REVIEW D. ISSN 1550-7998, 2012, vol. 86, no. 6, 065034., WOS

[1.1] VANDERSICKEL, N. - ZWANZIGER, Daniel. The Gribov problem and QCD dynamics. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, 2012, vol. 520, no. 4, pp. 175., WOS

[3] BORNIAKOV, V.G.-MITRUSHKIN, V.K.-ROGALYOV, R.N. Gluon propagators in 3D SU(2) theory and effects of Gribov copies. In PREPRINT HEP-LAT/1112.4975, 2011.

ADCA598 MAAS, Axel. Two- and three- point Green's functions in two-dimensional Landau-gauge Yang-Mills theory. In *Physical Review D*, 2007, vol. 75, 116004. ISSN 1550-7998.

Ohlasy:

[1.1] BELL, J.M.- GRACEY, J.A. Momentum subtraction scheme. In PHYSICAL REVIEW D, 2013, vol. 88, 085027., WOS

[1.1] CUCCHIERI, A.-MENDES, T. Ghost sector and geometry in minimal Landau gauge. In PHYSICAL REVIEW D, 2013, vol. 88, 114501., WOS

[1.1] GRACEY, J.A. In PHYSICAL REVIEW D, 2012, vol. 86, 105029., WOS

[1.1] GREENSITE, J. Ghosts, Gluons, and Dyson-Schwinger equations. In Lecture Notes in Physics, 2011, vol.821, 149-158., WOS

[1.1] HUBER, M.Q.-von SMEKAL, L. On the influence of three-point functions. In JOURNAL OF HIGH ENERGY PHYSICS, 2013, Iss. 4, 149., WOS

[1.1] PELAEZ, M.-TISSIER, M.-WSCHEBOR, N. Three-point correlation functions in Yang-Mills theory. In PHYSICAL REVIEW D, 2013, vol. 88, 125003., WOS

[1.1] TISSIER, M. - WSCHEBOR, N. Infrared safe perturbative approach to Yang-Mills correlators. In Physical Review D Particles, Fields, Gravitation and Cosmology, 2011, vol.84, no.4, 045018., WOS

[1.1] WEBER, A. In JOURNAL OF PHYSICS CONF SER, 2012, vol. 378, 012042., WOS

[1.1] WEBER, A. The infrared fixed point of Landau gauge Yang-Mills theory. In ACTA PHYSICA POLONICA B PROC SUPPL, 2013, vol. 6, p. 341-346., WOS

[1.1] WINDISCH, A.-HUBER, M.Q.-ALKOFER, R. On the analytic structure of scalar glueball operators. In PHYSICAL REVIEW D, 2013, vol. 87, 065005., WOS

[1.1] ZWANZIGER, D. A model of color confinement. In AIP Conference Proceedings, 2011, vol.1343, 176-178., WOS

- [1.1] ZWANZIGER, D. Some exact properties of the gluon propagator. In PHYSICAL REVIEW D, 2013, vol. 87, 085039., WOS
- [1.2] BLUM, Adrian Lorenz - HUBER, Markus Q. - MITTER, Mario - VON SMEKAL, Lorenz - VON SMEKAL, Lorenz. Gluonic three-point correlations in pure Landau gauge QCD. In Physical Review D. ISSN 15507998, 2014-03-25, 89, 6, 061703., SCOPUS
- [1.2] CUCCHIERI, A. - DUDAL, D. - MENDES, T. - VANDERSICKEL, N. Modeling the gluon propagator in Landau gauge: Lattice estimates of pole masses and dimension-two condensates. In Physical Review D Particles, Fields, Gravitation and Cosmology, 2012, 85, 9, 094513., SCOPUS
- [1.2] CUCCHIERI, A. - DUDAL, D. - VANDERSICKEL, N. No-pole condition in Landau gauge: Properties of the Gribov ghost form factor and a constraint on the 2d gluon propagator. In Physical Review D Particles, Fields, Gravitation and Cosmology, 2012, 85, 8, 085025., SCOPUS
- [1.2] EICHMANN, Gernot - EICHMANN, Gernot - WILLIAMS, Richard - WILLIAMS, Richard - ALKOFRER, Reinhard - ALKOFRER, Reinhard - VUJINOVIC, Milan - VUJINOVIC, Milan. Three-gluon vertex in Landau gauge. In Physical Review D. ISSN 15507998, 2014-05-13, 89, 10, 105014., SCOPUS
- [1.2] GONGYO, Shinya - IIDA, Hideaki. Gribov-Zwanziger action in SU(2) maximally Abelian gauge with U(1)³ Landau gauge. In Physical Review D . ISSN 15507998, 2014-01-27, 89, 2, 025022., SCOPUS
- [1.2] GRACEY, J. A. Low momentum propagators at two loops in gluon mass model. In Journal of Physics A: Mathematical and Theoretical. ISSN 17518113, 2014-11-07, 47, 44, 445401., SCOPUS
- [1.2] GRACEY, J. A. Off-shell two-loop QCD vertices. In Physical Review D Particles, Fields, Gravitation and Cosmology. ISSN 15507998, 2014-07-09, 90, 2, 025011., SCOPUS
- [1.2] GRACEY, J. A. Symmetric point quartic gluon vertex and momentum subtraction. In Physical Review D Particles, Fields, Gravitation and Cosmology. ISSN 15507998, 2014-07-08, 90, 2, 025014., SCOPUS
- [1.2] MADER, Valentin - SCHADEN, Martin - ZWANZIGER, Daniel - ALKOFRER, Reinhard. Infrared saturation and phases of gauge theories with BRST symmetry. In European Physical Journal C. ISSN 14346044, 2014-01-01, 74, 5, pp. 2881., SCOPUS
- [1.2] THELAN, D. J. - GRACEY, J. A. Natural solution in the refined Gribov-Zwanziger theory. In Physical Review D. ISSN 15507998, 2014-05-13, 89, 10, 107701., SCOPUS
- [1.2] VANDERSICKEL, N. - ZWANZIGER, D. The Gribov problem and QCD dynamics. In Physics Reports, 2012, 520, 4, pp. 175-251., SCOPUS
- [1.2] VUJINOVIC, Milan - ALKOFRER, Reinhard - EICHMANN, Gernot - WILLIAMS, Richard. Non-perturbative features of the three-gluon vertex in Landau gauge. In Acta Physica Polonica B, Proceedings Supplement. ISSN 18992358, 2014-01-01, 7, 3, pp. 607-612., SCOPUS
- [1.2] WEBER, A. Epsilon expansion for infrared Yang-Mills theory in Landau gauge. In Physical Review D Particles, Fields, Gravitation and Cosmology, 2012, 85, 12, 125005., SCOPUS
- [3] BELL, J.M.-GRACEY, J.A. MOM renormalization group functions in the maximal abelian gauge. In PREPRINT HEP-PH/ 1310.0243, 2013.
- [3] DUDAL, D. In "GHOST DISSECTION". PROCEEDINGS OF SCIENCE, QCD-TNT-II (2011), 015.

- [3] FISTER, L.-PAWLOWSKI, J.M. Yang-mills correlation at finite temperature. In PREPRINT HEHP-PH, 2011, arXiv:1112.5440.
- [3] HUBER, M.Q.-von SMEKAL, L. On two- and three- point functions of Landau gauge Yang-Mills theory. In PROCEEDINGS OF SCIENCE LATTICE 2013, 2013, pp. 364.
- [3] VANDERSICKEL, N. A study of the Gribov-Zwanziger action: from propagators to glueballs. In PREPRINT HEP-TH, 2011, arXiv:1104.1315.
- [3] ZWANZIGER, D. An improved model of color confinement. In PROCEEDINGS OF SCIENCE, FACES QCD, 2011, 023.
- [3] ZWANZIGER, D. Exact bounds on the free energy in QCD. In PREPRINT HEP-TH, 1202.1269, 2012
- [3.1] GONGYO, S. Two-dimensional gluon propagators in maximally Abelian gauge in SU(2) Lattice QCD. In PREPRINT HEP-LAT/ 1411.2211, 2014.
- [3.1] GONGYO, S.- ZWANZIGER, D. In PROC. SCI. LATTICE 2014 (2014), 362.

ADCA599 MAAS, Axel - MENDES, T. - OLEJNÍK, Štefan. Yang-Mills theory in lambda gauges. In *Physical Review D*, 2011, vol. 84, 114501. (4.964 - IF2010). (2011 - Current Contents). ISSN 1550-7998.

Ohlasy:

- [1.1] ZWANZIGER, Daniel. Some exact properties of the gluon propagator. In PHYSICAL REVIEW D. ISSN 1550-7998, 2013, vol. 87, no. 8, 085039., WOS
- [1.2] BOUCAUD, Ph. at all. The infrared behaviour of the pure Yang-Mills Green functions. In FEW BODY SYSTEMS, 2012, vol. 53, p. 387-436., SCOPUS
- [3] ŠAULI, V. Lattice data inspired but Minkowski space calculated QCD fundamental propagator. In PREPRINT HEP-PH/ 1312.2796, 2013.

ADCA600 MAAS, A. - OLEJNÍK, Štefan. A first look at Landau-gauge propagators in G2 Yang-Mills theory. In *Journal of High Energy Physics*, 2008, 02, 070. (5.659 - IF2007). (2008 - Current Contents). ISSN 1126-6708.

Ohlasy:

- [1.1] HOSSEINI,Nejad S.M.- DELDAR,S. Role of the SU(2) and SU(3) subgroups in observing confinement in the G(2) gauge group. In PHYSICAL REVIEW D, 2014, vol. 89, 014510., WOS
- [1.1] HUANG, H.J.- LI, Y.N.- RUAN, D. Indecomposable representations and oscillator. In EUROPEAN PHYSICAL JOURNAL PLUS, 2013, vol. 128, no. 6, 66., WOS
- [1.1] WELLEHAUSEN, B.H. Phase diagram of the lattice G2 Higgs model. In PHYSICAL REVIEW D, 2011, vol. 83, 114502., WOS

ADCA601 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.

Ohlasy:

- [1.1] BOUVRIE, P. A. - ANGULO, J. C. - DEHESA, J. S. Entropy and complexity analysis of Dirac-delta-like quantum potentials. In PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS, 2011, vol.390,

no.11, 2215-2228., WOS

[1.1] DONG, Shishan - SUN, Guo-Hua - DONG, Shi-Hai - DRAAYER, J. P. Quantum information entropies for a squared tangent potential well. In PHYSICS LETTERS A. ISSN 0375-9601, 2014, vol. 378, no. 3, pp. 124., WOS

[1.1] CHEN, Jiann-Yeu - CHEN, Shao-Hua - CHENG, Tai-Chung. Localization of a wave function with channels of a quartic oscillator $x(2)y(2)/2$. In PHYSICA SCRIPTA, 2011, vol.83, no.1, 015007., WOS

ADCA602 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.

Ohlasy:

[1.1] LUIS, Alfredo - RODIL, Alfonso. Alternative measures of uncertainty in quantum metrology: Contradictions and limits. In PHYSICAL REVIEW A. ISSN 1050-2947, 2013, vol. 87, no. 3, 034101., WOS

[1.1] LUIS, Alfredo. Effect of fluctuation measures on the uncertainty relations between two observables: Different measures lead to opposite conclusions. In PHYSICAL REVIEW A, 2011, vol.84, no.3, 034101., WOS

[1.1] MANDAYAM, Prabha - SRINIVAS, M. D. Disturbance trade-off principle for quantum measurements. In PHYSICAL REVIEW A. ISSN 1050-2947, 2014, vol. 90, no. 6, 062128., WOS

[1.1] MATIA-HERNANDO, Paloma - LUIS, Alfredo. Contradictions between different measures of quantum uncertainty. In PHYSICAL REVIEW A. ISSN 1050-2947, 2012, vol. 86, no. 5, 052106., WOS

[1.1] RASTEGIN, Alexey E. Entropic uncertainty relations for extremal unravelings of super-operators. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL, 2011, vol.44, no.9, 095303., WOS

[1.1] RASTEGIN, Alexey E. Upper continuity bounds on the relative q-entropy for $q > 1$. In JOURNAL OF MATHEMATICAL PHYSICS, 2011, vol.52, no.6, 062203., WOS

[1.1] RASTEGIN, Alexey E. Notes on Entropic Uncertainty Relations Beyond the Scope of Riesz's Theorem. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2012, vol. 51, no. 4, pp. 1300., WOS

[1.1] RASTEGIN, Alexey E. Fano type quantum inequalities in terms of q-entropies. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2012, vol. 11, no. 6, pp. 1895., WOS

[1.1] RASTEGIN, Alexey E. Bounds of the Pinsker and Fannes Types on the Tsallis Relative Entropy. In MATHEMATICAL PHYSICS ANALYSIS AND GEOMETRY. ISSN 1385-0172, 2013, vol. 16, no. 3, pp. 213., WOS

ADCA603 MAJERNÍK, V. - CHARVOT, R. - MAJERNÍKOVÁ, Eva. The momentum entropy of the infinite potential well. In *Journal of Physics A: Mathematical and Theoretical*, 1999, vol. 32, no. 11, p. 2207-2216. ISSN 1751-8113.

Ohlasy:

[1.1] BOUVRIE, P.A. - ANGULO, J.C. - DEHESA, J.S. Entropy and complexity analysis of Dirac-delta-like quantum potentials. In *Physica A: Statistical Mechanics and its Applications*, 2011, vol.390, no.11, 2215-2228., WOS

- [1.1] CORZO, H. H. - CASTANO, E. - LAGUNA, H. G. - SAGAR, R. P. Measuring localization-delocalization phenomena in a quantum corral. In JOURNAL OF MATHEMATICAL CHEMISTRY. ISSN 0259-9791, 2013, vol. 51, no. 1, pp. 179., WOS
- [1.1] DONG, Shishan - SUN, Guo-Hua - DONG, Shi-Hai - DRAAYER, J. P. Quantum information entropies for a squared tangent potential well. In PHYSICS LETTERS A. ISSN 0375-9601, 2014, vol. 378, no. 3, pp. 124., WOS
- [1.1] LAGUNA, Humberto G. - SAGAR, Robin P. Quantum uncertainties of the confined Harmonic Oscillator in position, momentum and phase-space. In ANNALEN DER PHYSIK. ISSN 0003-3804, 2014, vol. 526, no. 11-12., WOS
- [1.1] LAGUNA, H.G. - SAGAR, R.P. Statistical correlations in the Moshinsky atom. In Physical Review A Atomic, Molecular, and Optical Physics, 2011, vol.84, no.1, 012502., WOS
- [1.1] LAGUNA, H.G. - SAGAR, R.P. Indistinguishability and correlation in model systems. In Journal of Physics A: Mathematical and Theoretical, 2011, vol.44, no.18, 185302., WOS
- [1.1] SUN, Guo-Hua - DONG, Shi-Hai. Quantum information entropies of the eigenstates for a symmetrically trigonometric Rosen-Morse potential. In PHYSICA SCRIPTA. ISSN 0031-8949, 2013, vol. 87, no. 4, 045003., WOS

ADCA604 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.

Ohlasy:

- [1.1] ABDALLA, M. Sebawe - KHALIL, E. M. - OBADA, A. S.F. Exact treatment of the Jaynes-Cummings model under the action of an external classical field. In ANNALS OF PHYSICS, 2011, vol.326, no.9, 2486., WOS
- [1.1] ABDALLA, M. Sebawe - AHMED, M. M. A. Entropy squeezing and entanglement of the interaction between SU(1,1) and SU(2) quantum systems. In OPTICS COMMUNICATIONS, 2011, vol.284, no.7, 1933., WOS
- [1.1] ABDALLA, M. Sebawe - KHALIL, E. M. Two coupled oscillators in the form of a frequency converter in interaction with a single atom via two-photon processes. In JOURNAL OF RUSSIAN LASER RESEARCH. ISSN 1071-2836, 2012, vol. 33, no. 4, pp. 336., WOS
- [1.1] ABDALLA, M. Sebawe - AHMED, M. M. A. Some statistical properties for a spin-(1/2) particle coupled to two spirals. In OPTICS COMMUNICATIONS. ISSN 0030-4018, 2012, vol. 285, no. 16, pp. 3578., WOS
- [1.1] ABDALLA, M. Sebawe - ELEUCH, H. - PERINA, J. Quantum treatment of atom-field interaction via the quadratic invariant. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS. ISSN 0740-3224, 2012, vol. 29, no. 4, pp. 719., WOS
- [1.1] CALIXTO, M. - NAGY, A. - PARADELA, I. - ROMERA, E. Signatures of quantum fluctuations in the Dicke model by means of Renyi uncertainty. In PHYSICAL REVIEW A. ISSN 1050-2947, 2012, vol. 85, no. 5, 053813., WOS
- [1.1] CORZO, H. H. - CASTANO, E. - LAGUNA, H. G. - SAGAR, R. P. Measuring localization-delocalization phenomena in a quantum corral. In JOURNAL OF MATHEMATICAL CHEMISTRY. ISSN 0259-9791, 2013, vol. 51, no. 1, pp. 179., WOS

[1.1] KHALIL, E. M. Entanglement of a two two-level atom interacting with electromagnetic field in the presence of converter terms. In OPTIK. ISSN 0030-4026, 2013, vol. 124, no. 14, pp. 1820., WOS

[1.1] LIAO, Qinghong - LIU, Ye - YAN, Qiurong - AHMAD, Muhammad Ashfaq. Entanglement dynamics and quasiprobability distribution for the degenerate Raman process. In OPTIK. ISSN 0030-4026, 2014, vol. 125, no. 6, pp. 1739., WOS

ADCA605 MAJERNÍKOVÁ, Eva - SHPYRKO, S. Incipience of quantum chaos in the Jahn-Teller model. In *Physical Review E*, 2006, vol. 73, no. 6, 066215. (2.418 - IF2005). (2006 - Current Contents, WOS, SCOPUS). ISSN 1539-3755.

Ohlasy:

[1.1] DERELI, Tekin - GUL, Yusuf - FORN-DIAZ, Pol - MUSTECAPELIOGLU, Ozgur E. Two-frequency Jahn-Teller systems in circuit QED. In PHYSICAL REVIEW A. ISSN 1050-2947, 2012, vol. 85, no. 5, 053841., WOS

[1.1] LARSON, Jonas - ANDERSON, Brandon M. - ALTLAND, Alexander. Chaos-driven dynamics in spin-orbit-coupled atomic gases. In PHYSICAL REVIEW A. ISSN 1050-2947, 2013, vol. 87, no. 1, 224016., WOS

[1.1] LARSON, Jonas. Integrability versus quantum thermalization. In JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS. ISSN 0953-4075, 2013, vol. 46, no. 22, 013624., WOS

[1.1] MARCHUKOV, O. V. - VOLOSNIIEV, A. G. - FEDOROV, D. V. - JENSEN, A. S. - ZINNER, N. T. Statistical properties of spectra in harmonically trapped spin-orbit coupled systems. In JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS. ISSN 0953-4075, 2014, vol. 47, no. 19, 195303., WOS

ADCA606 MAJERNÍKOVÁ, Eva - SHPYRKO, Serge. Quantum chaos, localized states and clustering in excited spectra of Jahn-Teller models. In *Journal of Molecular Structure*, 2007, vol. 838, no. 1-3, p. 32-38. (2007 - Current Contents). ISSN 0022-2860.

Ohlasy:

[1.1] HOTTA, Takashi - SHUDO, Akira. Chaos in Jahn-Teller Rattling. In JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN. ISSN 0031-9015, 2014, vol. 83, no. 8, 083705., WOS

ADCA607 MAJERNÍKOVÁ, Eva - SHPYRKO, S. Quantum chaotic patterns in the $E_x(b_1 + b_2)$ Jahn-Teller model. In *Physical Review E*, 2006, vol. 73, no. 5, 057202. (2.418 - IF2005). (2006 - Current Contents, WOS, SCOPUS). ISSN 1539-3755.

Ohlasy:

[1.1] DERELI, T. Two-frequency Jahn-Teller systems in circuit QED. In PHYSICAL REVIEW A, vol. 85, 2012, 053841., WOS

[1.1] HOTA, T.- SHUDO, A. In JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN, 2014, vol. 83, 083705., WOS

[1.1] LARSON, J. In JOURNAL OF PHYSICS B, 2013, vol. 46, 224016., WOS

[1.1] LARSON, J. In PHYSICAL REVIEW A, 2013, vol. 87, 013624., WOS

[1.1] MARCHUKOV, O.V. et al. In JOURNAL OF PHYSICS B, 2014, vol. 47, 195303., WOS

ADCA608 MAJERNÍKOVÁ, Eva - SHPYRKO, S. Quantum phase crossover and chaos in a generalized Jahn-Teller lattice model. In *Journal of Physics A: Mathematical and Theoretical*, 2011, vol. 44, no. 6, 065101. (1.641 - IF2010). (2011 - Current Contents, EBSCO, SCOPUS). ISSN 1751-8113.

Ohlasy:

[1.1] DERELI, Tekin - GUL, Yusuf - FORN-DIAZ, Pol - MUSTEAPLIOGLU, Ozgur E. Two-frequency Jahn-Teller systems in circuit QED. In *PHYSICAL REVIEW A*. ISSN 1050-2947, 2012, vol. 85, no. 5, 053841., WOS

[1.1] HOTTA, Takashi - SHUDO, Akira. Chaos in Jahn-Teller Rattling. In *JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN*. ISSN 0031-9015, 2014, vol. 83, no. 8, 083705., WOS

[1.1] IVANOV, Peter A. - PORRAS, Diego - IVANOV, Svetoslav S. - SCHMIDT-KALER, Ferdinand. Simulation of the Jahn-Teller-Dicke magnetic structural phase transition with trapped ions. In *JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS*. ISSN 0953-4075, 2013, vol. 46, no. 10, 104003., WOS

ADCA609 MAJKOVÁ, Eva - JERGEL, Matej - YAMOMOTO, Masaki - TSURU, Toshihide - LUBY, Štefan - ŠIFFALOVÍČ, Peter. Advanced nanometer-size structures. In *Acta Physica Slovaca*, 2008. Vol. 57, no. 6, p. 911-1074. ISSN 0323-0465.

Ohlasy:

[1.1] FARYAD, Muhammad - LAKHTAKIA, Akhlesh. The circular Bragg phenomenon. In *ADVANCES IN OPTICS AND PHOTONICS*. ISSN 1943-8206, 2014, vol. 6, no. 2, pp. 225., WOS

ADCA610 MAJKOVÁ, Eva - LUBY, Štefan - JERGEL, Matej - ANOPCHENKO, A. - CHUSHKIN, Jurij - BARUCCA, G. - DI CRISTOFORO, A. - MENGUCCI, P. - D'ANNA, E. - LUCHES, A. - MARTINO, M. - LEE, H.Y. Intermixing at interfaces of Fe/W multilayers. In *Materials Science and Engineering C*, 2002, vol. 19, no. 1-2, p. 139-143. (2002 - Current Contents).

Ohlasy:

[1.1] KASHYAP, A. - SKOMSKI, R. - MANCHANDA, P. - SHIELD, J. E. - SELLMYER, D. J. Layered transition-metal permanent-magnet structures. In *JOURNAL OF APPLIED PHYSICS*, 2011, vol.109, no.7, 07A714., WOS

ADCA611 MAJKOVÁ, Eva - CHUSHKIN, Y. - JERGEL, Matej - LUBY, Štefan - HOLÝ, V. - MAŤKO, 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, p. 115-120. (2006 - Current Contents). ISSN 0040-6090.

Ohlasy:

[1.1] PRASCIOLU, Mauro - LEONTOWICH, Adam F. G. - BEYERLEIN, Kenneth R. - BAJT, Sasa. Thermal stability studies of short period Sc/Cr and Sc/B4C/Cr multilayers. In *APPLIED OPTICS*. ISSN 1559-128X, 2014, vol. 53, no. 10, pp. 2126., WOS

ADCA612 MAJKOVÁ, Eva - ŠIFFALOVIČ, Peter - CHITU, Livia - JERGEL, 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.

Ohlasy:

[1.1] PERLICH, Jan - MEMESA, Mine - DIETHERT, Alexander - METWALLI, Ezzeldin - WANG, Weinan - ROTH, Stephan V. - GUTMANN, Jochen S. - MUELLER-BUSCHBAUM, Peter. Layer-by-layer fabrication of an anatase titania multilayer with gradual sponge-like morphology. In *COLLOID AND POLYMER SCIENCE*. ISSN 0303-402X, 2012, vol. 290, no. 2, pp. 119-126., WOS

ADCA613 MAJKOVÁ, Eva - LUBY, Štefan - JERGEL, 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. (0.570 - IF1993). (1994 - Current Contents). ISSN 1862-6300.

Ohlasy:

[1.1] FELNER, I. - WOLF, O. - MILLO, O. Superconductivity in Sulfur-Doped Amorphous Carbon Films. In *JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM*. ISSN 1557-1939, 2013, vol. 26, no. 3, pp. 511., WOS

ADCA614 MAJKOVÁ, Eva - ČERVENÁK, Ján - KREMPASKÝ, Juraj - DUHAJ, Pavol. Temperature dependence of the seebeck coefficient in InSb prepared by rapid quenching. In *Physica Status Solidi B*, 1989, vol. 153, p. K147.

Ohlasy:

[1.1] LOHN, A.J. - COLEMAN, E. - TOMPA, G.S. - KOBAYASHI, N.P. In *PHYSICA STATUS SOLIDI A-APPLICATIONS AND MATERIALS SCIENCE*. JAN 2012, vol. 209, no. 1, p. 171-175., WOS

[1.1] NORRIS, K.J. - ZHANG, J. - FRYAUF, D.M. - RUGAR, A. - FLORES, A. - LONGSON, T.J. - LOHN, A.J. - KOBAYASHI, N.P. In *NANOEPITAXY: MATERIALS AND DEVICES IV*. 2012, vol. 8467., WOS

ADCA615 MAJKOVÁ, Eva - ČERVENÁK, Ján - KREMPASKÝ, Juraj - DUHAJ, Pavol. Temperature-dependence of the seebeck coefficient in INSB prepared by rapid quenching. In *Physica status solidi B*, 1989, vol. 153, no. 2, k147-K149. ISSN 0370-1972.

Ohlasy:

[1.1] LOHN, Andrew J. - COLEMAN, Elane - TOMPA, Gary S. - KOBAYASHI, Nobuhiko P. Assessment on thermoelectric power factor in silicon nanowire networks. In *PHYSICA STATUS SOLIDI A-APPLICATIONS AND MATERIALS SCIENCE*. ISSN 1862-6300, 2012, vol. 209, no. 1, pp. 171-175., WOS

[1.1] NORRIS, Kate J. - ZHANG, Junce - FRYAUF, David M. - RUGAR, Alison - FLORES, Amanda - LONGSON, Timothy J. - LOHN, Andrew J. - KOBAYASHI, Nobuhiko P. - KOBAYASHI, NP - TALIN, AA - ISLAM, MS. Indium Phosphide Nanowire Network Growth and Characterization for

- ADCA616 MAJLING, L. - GMUCA, Štefan. What can we learn about Baryon-Baryon interaction from hypernuclei. In *Physics of Atomic Nuclei*, 2007, vol. 70, no. 9, p. 1611-1616.

Ohlasy:

- [1.1] KOPELIOVICH, V. B. Neutron-rich hypernuclei in the chiral soliton model. In JETP LETTERS. ISSN 0021-3640, 2012, vol. 96, no. 4, pp. 210-214., WOS

- ADCA617 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*, 2000, vol. 440, no. 2, p. 320-329. (0.920 - IF1999). (2000 - Current Contents). ISSN 0168-9002.

Ohlasy:

- [1.2] KURILKIN, P.K. - LADYGIN, V.P. - UESAKA, T. - SUDA, K. - GURCHIN, Y.V. - ISUPOV, A.Y. - ITOH, K. - JANEK, M. - KARACHUK, J.-T. - KAWABATA, T. - KHRENOV, A.N. - KISELEV, A.S. - KIZKA, V.A. - KLIMAN, J. - KRASNOV, V.A. - LIVANOV, A.N. - MAEDA, Y. - MALAKHOV, A.I. - MATOUSEK, V. - MORHACH, M. - REZNIKOV, S.G. - SAKAGUCHI, S. - SAKAI, H. - SASAMOTO, Y. - SEKIGUCHI, K. - TURZO, I. - VASILIEV, T.A. The 270 MeV deuteron beam polarimeter at the Nuclotron Internal Target Station. In *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, 2011, vol.642, no.1, 45-51., SCOPUS

- ADCA618 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. (1.061 - IF2009). (2010 - Current Contents, WOS, SCOPUS). ISSN 0018-9464.

Ohlasy:

- [1.1] ONODERA, Reisho - KIMURA, Shojiro - WATANABE, Kazuo - YOKOYAMA, Yoshihiko - MAKINO, Akihiro - KOYAMA, Keiichi. Isothermal Crystallization of Iron-Based Amorphous Alloys in a High Magnetic Field. In MATERIALS TRANSACTIONS. ISSN 1345-9678, 2013, vol. 54, no. 7, pp. 1232., WOS

- ADCA619 MARKOŠ, Peter - SCHWEITZER, L. - WEYRAUCH, M. Comment on 'Exact analytical colution for the generalized Lyapunov exponent of the two-dimensional Anderson localization'. In *Journal of Physics: Condens. Matt.*, 2004, vol. 16, p. 1679-1681.

Ohlasy:

- [1.1] KUZOVKOV, V.N. The Anderson localization problem. In PHYSICA SCRIPTA, 2011, vol. 84, 065002., WOS

ADCA620 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. (1.566 - IF2005). (2006 - Current Contents, WOS, SCOPUS). ISSN 1751-8113.

Ohlasy:

[1.1] BARDARSON, Jens H. - MOORE, Joel E. Quantum interference and Aharonov-Bohm oscillations in topological insulators. In *REPORTS ON PROGRESS IN PHYSICS*. ISSN 0034-4885, 2013, vol. 76, no. 5, 056501., WOS

[1.1] FULGA, I. C. - AKHMEROV, A. R. - TWORZYDLO, J. - BERI, B. - BEENAKKER, C. W. J. Thermal metal-insulator transition in a helical topological superconductor. In *PHYSICAL REVIEW B*. ISSN 1098-0121, 2012, vol. 86, no. 5, 054505., WOS

[1.1] FU, Liang - KANE, C. L. Topology, Delocalization via Average Symmetry and the Symplectic Anderson Transition. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2012, vol. 109, no. 24, 246605., WOS

[1.1] CHEN, Liang - LIU, Qin - LIN, Xulin - ZHANG, Xiaogang - JIANG, Xunya. Disorder dependence of helical edge states in HgTe/CdTe quantum wells. In *NEW JOURNAL OF PHYSICS*. ISSN 1367-2630, 2012, vol. 14, 043028., WOS

[1.1] KOENIG, E. J. - OSTROVSKY, P. M. - PROTOPOPOV, I. V. - GORNYI, I. V. - BURMISTROV, I. S. - MIRLIN, A. D. Interaction and disorder effects in three-dimensional topological insulator thin films. In *PHYSICAL REVIEW B*. ISSN 1098-0121, 2013, vol. 88, no. 3, 035106., WOS

[1.1] MONG, Roger S. K. - BARDARSON, Jens H. - MOORE, Joel E. Quantum Transport and Two-Parameter Scaling at the Surface of a Weak Topological Insulator. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2012, vol. 108, no. 7, 076804., WOS

[1.1] NAHUM, Adam - SERNA, P. - SOMOZA, A. M. - ORTUNO, M. Loop models with crossings. In *PHYSICAL REVIEW B*. ISSN 1098-0121, 2013, vol. 87, no. 18, 184204., WOS

[1.1] TAKANE, Yositake. Delocalization of Surface Dirac Electrons in Disordered Weak Topological Insulators. In *JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN*. ISSN 0031-9015, 2014, vol. 83, no. 10, 103706., WOS

[1.1] VAN NIEUWENBURG, E. P. L. - EDGE, J. M. - DAHLHAUS, J. P. - TWORZYDLO, J. - BEENAKKER, C. W. J. Metal-topological insulator transition in the quantum kicked rotator with $Z(2)$ symmetry. In *PHYSICAL REVIEW B*. ISSN 1098-0121, 2012, vol. 85, no. 16, 165131., WOS

[1.1] WU, Quansheng - SACKSTEDER, Vincent E. Bulk effects on topological conduction in three-dimensional topological insulators. In *PHYSICAL REVIEW B*. ISSN 1098-0121, 2014, vol. 90, no. 4, 045408., WOS

[1.1] XUE, Yu - PRODAN, Emil. Quantum criticality at the Chern-to-normal insulator transition. In *PHYSICAL REVIEW B*. ISSN 1098-0121, 2013, vol. 87, no. 11, 115141., WOS

ADCA621 MARKOŠ, Peter. Dimension dependence of the conductance distribution in the nonmetallic regimes. In *Physical Review B*, 2002, vol. 65, no. 10, 104207. (3.070 - IF2001). (2002 - Current Contents, WOS, SCOPUS). ISSN 1098-0121.

Ohlasy:

[1.1] ALCAZAR-LOPEZ, A. - MENDEZ-BERMUDEZ, J. A. Disorder-to-chaos transition in the conductance distribution of corrugated

waveguides. In PHYSICAL REVIEW E. ISSN 1539-3755, 2013, vol. 87, no. 3, 032904., WOS

[1.1] MIL&APOS;NIKOV, Gennady - MORI, Nobuya. Universal conductance statistics in a backscattering model: Solving the Dorokhov-Mello-Pereyra-Kumar equation with $\beta=1, 2$, and 4. In PHYSICAL REVIEW B. ISSN 1098-0121, 2013, vol. 88, no. 15, 155406., WOS

[1.1] MIL&APOS;NIKOV, Gennady - MORI, Nobuya. Random evolution approach to universal conductance statistics. In PHYSICAL REVIEW B. ISSN 1098-0121, 2013, vol. 87, no. 3, 035434., WOS

[1.1] PAULIN, Guillaume - CARPENTIER, David. Crossover between universality classes in a magnetically disordered metallic wire. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2012, vol. 14, 023026., WOS

[1.1] VIVO, P. Largest Schmidt eigenvalue. In JOURNAL OF STATISTICAL MECHANICS, 2011, P01022., WOS

ADCA622 MARKOŠ, Peter. Electronic transport in strongly anisotropic disordered systems: Model for the random matrix theory with noninteger β . In *Physical Review B*, 2002, vol. 65 no. 9, 092202. (3.070 - IF2001). (2002 - Current Contents, WOS, SCOPUS). ISSN 0163-1829.

Ohlasy:

[1.1] MIL&APOS;NIKOV, Gennady - MORI, Nobuya. Random evolution approach to universal conductance statistics. In PHYSICAL REVIEW B. ISSN 1098-0121, 2013, vol. 87, no. 3, 155406., WOS

[1.1] MIL&APOS;NIKOV, Gennady - MORI, Nobuya. Universal conductance statistics in a backscattering model: Solving the Dorokhov-Mello-Pereyra-Kumar equation with $\beta=1, 2$, and 4. In PHYSICAL REVIEW B. ISSN 1098-0121, 2013, vol. 88, no. 15, 035434., WOS

[1.1] SHUKLA, Pragma. GENERALIZED RANDOM MATRIX THEORY: A MATHEMATICAL PROBE FOR COMPLEXITY. In INTERNATIONAL JOURNAL OF MODERN PHYSICS B. ISSN 0217-9792, 2012, vol. 26, no. 16, 1230008., WOS

ADCA623 MARKOŠ, Peter - SOUKOULIS, C.M. Intensity distribution of scalar waves propagating in random media. In *Physical Review B*, 2005, vol. 71, no. 5, 054201. (3.075 - IF2004). (2005 - Current Contents). ISSN 1098-0121.

Ohlasy:

[1.1] LI, Jun - ZHANG, Xinzhen - SHI, Fan - XU, Yan - WANG, Pidong - YU, Xuanyi - XU, Jingjun. Light transmission in porous silicon dioxide filled with liquids of different refractive indices. In CHINESE OPTICS LETTERS. ISSN 1671-7694, 2011, vol. 9, no. 6., WOS

[1.1] MOOKHERJEA, Shayan - ONG, Jun Rong - LUO, Xianshu - LO GUO-QIANG. Electronic control of optical Anderson localization modes. In NATURE NANOTECHNOLOGY. ISSN 1748-3387, 2014, vol. 9, no. 5, pp. 365., WOS

ADCA624 MARKOŠ, Peter - HENNEKE, M. Metal-insulator-transition in the 4-dimensional Anderson model. In *Journal of Physics: Condensed Matter*, 1994, vol. 6, no. 49, p. L765-L769. (1.654 - IF1993). (1994 - Current Contents). ISSN 0953-8984.

Ohlasy:

[1.1] SUSLOV, I. M. Finite-Size Scaling from the Self-Consistent Theory of Localization. In JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS. ISSN 1063-7761, 2012, vol. 114, no. 1, pp. 107., WOS

ADCA625 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.

Ohlasy:

[1.1] SEPEHRINIA, Reza - SHEIKHAN, Ameneh. NUMERICAL SIMULATION OF ANDERSON LOCALIZATION. In COMPUTING IN SCIENCE & ENGINEERING, 2011, vol.13, no.3, 74., WOS

[1.1] SUSLOV, I.M. Finite-size scaling. In JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS, 2012, vol. 114, pp. 107., WOS

[1.1] TERLETSKA, H. - EKUMA, C. E. - MOORE, C. - TAM, K.M. - MORENO, J. - JARRELL, M. Study of off-diagonal disorder using the typical medium dynamical cluster approximation. In PHYSICAL REVIEW B. ISSN 1098-0121, 2014, vol. 90, no. 9, 094208., WOS

[1.1] ZHANG, Z. D. - MARCH, N. H. Are the critical exponents for Anderson localization due to disorder well understood? In JOURNAL OF MATHEMATICAL CHEMISTRY, 2011, vol.49, no.3, 816., WOS

ADCA626 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. (2.235 - IF2001). (2002 - Current Contents). ISSN 1539-3755.

Ohlasy:

[1.1] GAO, P. In APPLIED OPTICS, 2013, vol. 52, pp. 6309., WOS

[1.1] GAO, P. In JOURNAL OF MODERN OPTICS, 2013, vol. 60, pp. 925., WOS

[1.1] HASAR, U. C. - OZBEK, I. Y. - ORAL, E. A. - KARACALI, T. - EFEOGLU, H. The effect of silicon loss and fabrication tolerance on spectral properties of porous silicon Fabry-Perot cavities in sensing applications. In OPTICS EXPRESS. ISSN 1094-4087, 2012, vol. 20, no. 20, pp. 22208., WOS

[1.1] KABIRI, A. In PROGRESS IN ELECTROMAGNETICS RESEARCH-PIER, 2013, vol. 140, pp. 105., WOS

[1.1] KOROTKEVICH, A.O. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B, 2013, vol. 30, pp. 1077., WOS

[1.1] LU, Z. In JOURNAL OF LIGHTWAVE TECHNOLOGY, 2013, vol. 31, pp. 2762., WOS

[1.1] MOSTAFAZADEH, A. In ANNALS OF PHYSICS, 2014, vol. 341, pp. 77-85., WOS

[1.1] SHEN, Yifeng - WU, Fangfang - WANG, Yongchun - LI, Lulu - GUO, Changqing. Imaging enhancement of a photonic crystal superlens due to a surface mode with a specific dispersion. In PHOTONICS AND NANOSTRUCTURES-FUNDAMENTALS AND APPLICATIONS. ISSN 1569-4410, 2012, vol. 10, no. 4, pp. 485., WOS

[1.1] SHU, Weiwei - SONG, Jiming. Sommerfeld Integral Path for Layered Double Negative Metamaterials. In IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION. ISSN 0018-926X, 2012, vol. 60, no. 3, pp. 1496., WOS

- [1.1] SLOBOZHANYUK, A. P. - KAPITANOVA, P. V. - SHADRIVOV, I. V. - BELOV, P. A. - KIVSHAR, Yu S. Metamaterials with tunable nonlinearity. In JETP LETTERS. ISSN 0021-3640, 2012, vol. 95, no. 12, pp. 613., WOS
- [1.1] SYMS, R.R.A.- SOLYMAR, L. Effective permeability of a metamaterial. In APPLIED PHYSICS LETTERS, 2012, vol. 100, no.12, 124103., WOS
- [1.1] TONG, Y.-W. In OPTIK, 2013, vol. 124, no. 4, pp. 361., WOS
- [1.2] DU, Bai - WANG, Jun - XU, Zhuo - XIA, Song - WANG, Jiafu - QU, Shaobo. Band split in multiband all-dielectric left-handed metamaterials. In Journal of Applied Physics. ISSN 00218979, 2014-06-21, 115, 23, 234104., SCOPUS
- [1.2] DU, Yan - BAO, Yong Fang - WANG, Yuan. Research of epsilon-negative material and its electromagnetic shielding effect. In Advanced Materials Research. ISSN 10226680, 2014-01-01, 893, pp. 781-789., SCOPUS
- [1.2] CHEN, C.-H. - QU, S.-B. - XU, Z. - WANG, J.-F. - MA, H. - ZHOU, H. A two-dimensional broad pass-band left-handed metamaterial based on single-sided metallic structure. In Wuli Xuebao/Acta Physica Sinica, 2011, vol.60, no.2., SCOPUS
- [1.2] KHAYYAT JAFARI, Ahmad - RAHIMI, Fatemeh. Effective magnetic permeability of a composite structure of conducting square rings. In Proceedings of SPIE , 2014, 9160, 91602M., SCOPUS
- [1.2] LAI, Y.-C. - CHEN, C.-K. - HUANG, T.-Y. - UN, I.-W. - YANG, Y.-H. - YEN, T.-J. Enriching the symmetry of maxwell equations through unprecedented magnetic responses of artificial metamaterials and their revolutionary applications. In Symmetry, 2011, vol.3, no.2, 283-304., SCOPUS
- [1.2] LIU, S. - DONG, Y. - XU, W. Design optimization for relative bandwidth of left-handed metamaterials with split-ring resonators. In Journal of Optics, 2011, vol.13, no.1., SCOPUS
- [1.2] MCPHEDRAN, R.C. - SHADRIVOV, I.V. - KUHLMHEY, B.T. - KIVSHAR, Y.S. Metamaterials and metaoptics. In NPG Asia Materials, 2011, vol.3, no.11, 100-108., SCOPUS
- [1.2] MENG, F.-Y. - WU, Q. - ERNI, D. - LI, L.-W. Controllable metamaterial-loaded waveguides supporting backward and forward waves. In IEEE Transactions on Antennas and Propagation, 2011, vol.59, no.9, 3400-3411., SCOPUS
- [1.2] ORAIZI, H. - SEYYED-ESFAHLAN, M. Impedance matching and spurious-response suppression in stepped-impedance low pass filters. In Microwave and Optical Technology Letters, 2011, vol.53, no.9, 2081-2086., SCOPUS
- [1.2] PALMA-CHILLA, L. - PALMA-CHILLA, L. - FLORES, J. C. - VEGA-JORQUERA, Pedro. Connections between the dissipated energy of right-handed and left-handed systems: Electric and magnetic origin. In Journal of Electromagnetic Waves and Applications. ISSN 09205071, 2014-01-22, 28, 2, pp. 129-137., SCOPUS
- [1.2] SIMOVSKI, C.R. On electromagnetic characterization and homogenization of nanostructured metamaterials. In Journal of Optics, 2011, vol.13, no.1., SCOPUS
- [1.2] SOHEILIFAR, Mohammad R. - SADEGHZADEH, Ramezanali A. - GOBADI, Hadi. Design and fabrication of a metamaterial absorber in the microwave range. In Microwave and Optical Technology Letters. ISSN

08952477, 2014-01-01, 56, 8, pp. 1748-1752., SCOPUS

[1.2] SONSILPHONG, A. - WONGKASEM, N. Novel technique for high refractive index manifestation. In Proceedings 2011 International Conference on Electromagnetics in Advanced Applications, ICEAA'11, 2011, p. 536-539., SCOPUS

[1.2] TONG, Y.-W. - TIAN, S. - ZHUANG, S.-L. Sub-wavelength imaging of the two-dimensional photonic crystal with effective index close to 1. In Wuli Xuebao/Acta Physica Sinica, 2011, vol.60, no.5., SCOPUS

ADCA627 MARKOŠ, Peter. Probability distribution of the conductance at the mobility edge. In *Physical Review Letters*, 1999, vol. 83, no. 3, p. 588-591. (6.017 - IF1998). (1999 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Ohlasy:

[1.1] BONDI, Robert J. - DESJARLAIS, Michael P. - THOMPSON, Aidan P. - BRENNECKA, Geoff L. - MARINELLA, Matthew J. Electrical conductivity in oxygen-deficient phases of tantalum pentoxide from first-principles calculations. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2013, vol. 114, no. 20, 203701., WOS

[1.1] MENDEZ-BERMUDEZ, J. A. - ALCAZAR-LOPEZ, A. - VARGA, Imre. On the generalized dimensions of multifractal eigenstates. In JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT. ISSN 1742-5468, 2014, P11012., WOS

[1.1] MIL&NIKOV, Gennady - MORI, Nobuya. Random evolution approach to universal conductance statistics. In PHYSICAL REVIEW B. ISSN 1098-0121, 2013, vol. 87, no. 3, 035434., WOS

[1.1] MIL&NIKOV, Gennady - MORI, Nobuya. Universal conductance statistics in a backscattering model: Solving the Dorokhov-Mello-Pereyra-Kumar equation with $\beta=1, 2$, and 4. In PHYSICAL REVIEW B. ISSN 1098-0121, 2013, vol. 88, no. 15, 155406., WOS

[1.1] SHI, Zhou - WANG, Jing - GENACK, Azriel Z. Microwave conductance in random waveguides in the cross-over to Anderson localization and single-parameter scaling. In PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA. ISSN 0027-8424, 2014, vol. 111, no. 8, pp. 2926., WOS

ADCA628 MARKOŠ, Peter - KRAMER, B. Statistical properties of the Anderson transition- numerical results. In *Philosophical Magazine B*, 1993, vol. 68, no. 3, p. 357-379.

Ohlasy:

[1.1] SHI, Zhou - GENACK, Azriel Z. Transmission Eigenvalues and the Bare Conductance in the Crossover to Anderson Localization. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2012, vol. 108, no. 4, 043901., WOS

ADCA629 MARKOŠ, Peter - KRAMER, B. Statistical properties of Lyapunov exponents and of quantum conductance of Random-systems in the regime of hopping transport. In *Annalen der Physik*, 1993, vol. 2, no. 4, p. 339-360. ISSN 0003-3804.

Ohlasy:

[1.1] MOLINARI, Luca Guido - LACAGNINA, Giuseppe. Counting the exponents of single transfer matrices. In JOURNAL OF MATHEMATICAL PHYSICS, 2011, vol.52, no.6, 063501., WOS

ADCA630 MARKOŠ, Peter. The universality of the conductance disstribution at the critical-point of the disorder-induced metal-insulator-transition. In *Europhysics Letters*, 1994, vol. 26, no. 6, p. 431-435. (2.780 - IF1993). (1994 - Current Contents). ISSN 0295-5075.

Ohlasy:

[1.1] MENDEZ-BERMEDES, J.A. In JOURNAL OF STATISTICAL MECHANICS, 2014, P11012., WOS

ADCA631 MARKOŠ, Peter - SOUKOULIS, C.M. Transmission studies of left-handed materials. In *Physical Review B*, 2002, vol. 65, no. 3, 033401. (3.070 - IF2001). (2002 - Current Contents, WOS, SCOPUS). ISSN 0163-1829.

Ohlasy:

[1.1] GAMRA, D. - NACHI, K. - ABDELMALEK, F. - BOUCHRIHA, H. Analysis of guided modes in metamaterial photonic crystals. In MATERIALS LETTERS. ISSN 0167-577X, 2012, vol. 66, no. 1, pp. 89., WOS

[1.1] HASAR, Ugur Cem - BARROSO, Joaquim Jose - KAYA, Yunus - ERTUGRUL, Mehmet - BUTE, Musa. Reference-plane invariant transmission-reflection method for measurement of constitutive parameters of liquid materials. In SENSORS AND ACTUATORS A-PHYSICAL. ISSN 0924-4247, 2013, vol. 203, pp. 346., WOS

[1.1] MINH THUY LE - QUOC CUONG NGUYEN - TAN PHU VUONG. Design of High-Gain and Beam Steering Antennas Using a New Planar Folded-Line Metamaterial Structure. In INTERNATIONAL JOURNAL OF ANTENNAS AND PROPAGATION. ISSN 1687-5869, 2014, 302580., WOS

ADCA632 MARKOŠ, Peter - ROUSOCHATZAKIS, I. - SOUKOULIS, C.M. Transmission losses in left-handed materials. In *Physical Review E*, 2002, vol. 66, no. 4, 045601. (2.235 - IF2001). (2002 - Current Contents). ISSN 1539-3755.

Ohlasy:

[1.1] XU HE-XIU - WANG GUANG-MING - WANG JIA-FU - YANG ZI-MU. Dual-band left-handed metamaterials fabricated by using tree-shaped fractal. In CHINESE PHYSICS B. ISSN 1674-1056, 2012, vol. 21, no. 12, 124101., WOS

ADCA633 MARKOŠ, Peter. Weak disorder expansion of Lyapunov exponents of products of Random matrices. In *Journal of Statistical Physics*, 1993, vol. 70, no. 3-4, p. 899-919. ISSN 0022-4715.

Ohlasy:

[1.1] PAULIN, Guillaume - CARPENTIER, David. Crossover between universality classes in a magnetically disordered metallic wire. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2012, vol. 14, 023026., WOS

ADCA634 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.

Ohlasy:

[1.1] MA, Y. G. - LIU, G. H. - CAI, X. Z. - FANG, D. Q. - GUO, W. - SHEN, W. Q. - TIAN, W. D. - WANG, H. W. Hard-photon flow and photon-photon correlation in intermediate-energy heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 0556-2813, 2012, vol. 85, no. 2, 024618., WOS

ADCA635 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.. (3.056 - IF1994). (1995 - Current Contents, SCOPUS). ISSN 0370-2693.

Ohlasy:

[1.1] MA, Y. G. - LIU, G. H. - CAI, X. Z. - FANG, D. Q. - GUO, W. - SHEN, W. Q. - TIAN, W. D. - WANG, H. W. Hard-photon flow and photon-photon correlation in intermediate-energy heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 0556-2813, 2012, vol. 85, no. 2, 024618., WOS

ADCA636 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. (3.567 - IF1998). (1999 - Current Contents, WOS, SCOPUS). ISSN 0370-2693.

Ohlasy:

[1.1] YANG LIN-MENG - GUO WEN-JUN - ZHANG YUN-PENG - ZHANG XIAO-JI. Probing the symmetry potential with neutron-proton bremsstrahlung in heavy-ion collisions. In CHINESE PHYSICS C. ISSN 1674-1137, 2014, vol. 38, no. 7, 074105., WOS

[1.1] YONG, G.-CH. A direct probe of in-medium pn scattering cross section. In PHYSICS LETTERS B, 2011, VOL. 705, NO. 3, P. 240., WOS

ADCA637 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. (3.670 - IF1996). (1997 - Current Contents, SCOPUS). ISSN 0370-2693.

Ohlasy:

[1.1] CHABYSHEVA, Sophia S. - HILLER, John R. Zero modes in the light-front coupled-cluster method. In ANNALS OF PHYSICS. ISSN 0003-4916, 2014, vol. 340, no. 1, pp. 188., WOS

[1.1] CHABYSHEVA, S. S. Scalar Theories and Symmetry Breaking in the Light-Front Coupled-Cluster Method. In FEW-BODY SYSTEMS. ISSN 0177-7963, 2014, vol. 55, no. 5-7, pp. 479., WOS

ADCA638 MARTINOVIČ, Lubomír. Spontaneous symmetry breaking in light front field theory. In *Physical Review D*, 2008. Vol. 78, 105009. ISSN 1550-7998.

Ohlasy:

[1.1] ELLIOTT, Blair - CHABYSHEVA, Sophia S. - HILLER, John R. Application of the light-front coupled-cluster method to $\phi(4)$ theory in two dimensions. In *PHYSICAL REVIEW D*. ISSN 1550-7998, 2014, vol. 90, no. 5, 056003., WOS

[1.1] CHABYSHEVA, S. S. Scalar Theories and Symmetry Breaking in the Light-Front Coupled-Cluster Method. In *FEW-BODY SYSTEMS*. ISSN 0177-7963, 2014, vol. 55, no. 5-7, pp. 479., WOS

ADCA639 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. (3.567 - IF1998). (1999 - Current Contents, WOS, SCOPUS). ISSN 0370-2693.

Ohlasy:

[1.1] CHABYSHEVA, S.S. Scalar theories and symmetry breaking. In *FEW-BODY SYSTEMS*, 2014, vol. 55, pp. 479., WOS

[1.1] MORE, J.D. In *PHYSICAL REVIEW D*, 2013, vol. 87, 085035., WOS

[1.1] MORE, J.D. Infrared divergences. In *PHYSICAL REVIEW D*, vol. 86, 2012, 065037., WOS

[1.1] MORE, J.D. - MISRA, A. Cancellation of infrared divergences. In *PHYSICAL REVIEW D*, 2014, vol. 89, 105021., WOS

ADCA640 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. (0.852 - IF1996). (1997 - Current Contents, WOS, SCOPUS). ISSN 0921-5093.

Ohlasy:

[1.1] LIU, Z. W. - LI, Y. M. - WANG, J. - ZHONG, X. C. - YU, H. Y. - ZENG, D. C. Improved soft magnetic properties and thermal stability for Fe_{82.65}Cu_{1.35}Si₂B₁₄ alloys with Nb, Zr, Ta or Co addition. In *MATERIALS SCIENCE AND TECHNOLOGY*. ISSN 0267-0836, 2012, vol. 28, no. 8, pp. 987., WOS

[1.1] LI, Song - XIE, Guoqiang - LOUZGUINE-LUZGIN, D. V. - SATO, Motoyasu - INOUE, Akihisa. Nanocrystallization of Fe₇₃Si₇B₁₇Nb₃ metallic glass induced by microwave treatment in magnetic field of a single mode 915 MHz applicator. In *JOURNAL OF ALLOYS AND COMPOUNDS*. ISSN 0925-8388, 2012, vol. 536, pp. S315., WOS

[1.1] POLETTI, Marco G. - BATTEZZATI, Livio. Assessment of the ternary Fe-Si-B phase diagram. In *CALPHAD-COMPUTER COUPLING OF PHASE DIAGRAMS AND THERMOCHEMISTRY*. ISSN 0364-5916, 2013, vol. 43, pp. 40., WOS

[1.1] SHEN, Ping - SUN, JianXin - YANG, Jun - QI, Yan - JIANG, QiChuan. Wettability of amorphous and nanocrystalline Fe₇₈B₁₃Si₉ substrates by molten Sn and Bi. In *NANOSCALE RESEARCH LETTERS*, 2011, vol. 6, 318., WOS

[1.1] SMITH, Casey - KATAKAM, Shravana - NAG, Soumya - CHEN, Xi - RAMANUJAN, Raju V. - DAHOTRE, Narendra B. - BANERJEE, Rajarshi. Improved soft magnetic properties by laser de-vitrification of Fe-Si-B amorphous magnetic alloys. In *MATERIALS LETTERS*. ISSN 0167-577X, 2014, vol. 122, pp. 155., WOS

- [1.1] WANG, Jian - ZHENG, Zhou - XU, Jing - WANG, Yan. Microstructure and magnetic properties of mechanically alloyed FeSiSAlNi (Nb) high entropy alloys. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2014, vol. 355, pp. 58., WOS
- [1.1] ZHANG, Jianhua - CHANG, Chuntao - WANG, Anding - SHEN, Baolong. Development of quaternary Fe-based bulk metallic glasses with high saturation magnetization above 1.6 T. In JOURNAL OF NON-CRYSTALLINE SOLIDS. ISSN 0022-3093, 2012, vol. 358, no. 12-13, pp. 1443., WOS

ADCA641 MATKO, 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. (0.852 - IF1996). (1997 - Current Contents, WOS, SCOPUS). ISSN 0921-5093.

Ohlasy:

- [1.1] DONG, B. S. - ZHOU, S. X. - QIN, J. Y. - PAN, S. P. - LI, Z. B. The influence of clusters in the melt of Fe₈₀Si₁₀B₁₀ alloy on the subsequent glass-formation. In PROGRESS IN NATURAL SCIENCE-MATERIALS INTERNATIONAL. ISSN 1002-0071, 2013, vol. 23, no. 2, pp. 216., WOS
- [1.1] MA, H. Crystallization and corrosion resistance. In JOURNAL OF MATERIALS SCIENCE AND TECHNOLOGY, 2011, vol. 27, p. 1169., WOS
- [1.1] POLETTI, Marco G. - BATTEZZATI, Livio. Assessment of the ternary Fe-Si-B phase diagram. In CALPHAD-COMPUTER COUPLING OF PHASE DIAGRAMS AND THERMOCHEMISTRY. ISSN 0364-5916, 2013, vol. 43, pp. 40., WOS
- [1.1] ZHOU, Y.-ZHANG, Q. Study on the activation energy. In MATERIALS AND MANUFACTURING, PTS 1-2, 2011, Part 1, p. 584., WOS

ADCA642 MATSUO, Y. - NOJIMA, T. - KUWASAWA, Y. - MAJKOVÁ, Eva - LUBY, Štefan. Effect of the interlayer coupling on nonlinear I-V characteristics in amorphous W/Si multilayers. In *Czechoslovak Journal of Physics*, 1996, vol. 46, suppl. 2, p. 747-748. (0.310 - IF1995). (1996 - Current Contents, WOS, SCOPUS). ISSN 0011-4626.

Ohlasy:

- [1.1] NADER, A. Compact analytical expression of a multilayer system electric resistance measured at the upper surface. In MEASUREMENT. ISSN 0263-2241, 2013, vol. 46, no. 6, pp. 1914-1921., WOS

ADCA643 MATYI, R.J. - DEPERO, L.E. - BONTEMPI, E. - COLOMBI, P. - JERGEL, Matej - KRUMREY, M. - LAFFORD, T.A. - LAMPERTI, A. - MEDUNA, M. - VAN DER LEE - WIEMER, C. The international VAMAS project on x-ray reflectivity measurements for evaluation of thin films and multilayers-preliminary results from a second round-Robin. In *Thin Solid Films*, 2008, vol. 516, no. 22, p. 7962-7966. (1.690 - IF2007). ISSN 0040-6090.

Ohlasy:

- [1.1] CUI, J. In PROCEEDINGS OF SPIE, 2013, vol. 8916, 891634., WOS
- [1.1] CUI, J.-J. In ACTA PHYSICA SINICA, 2014, vol. 63, 060601., WOS
- [1.1] LI, Y.-D. Measurement of inner surface. In CHINESE PHYSICS B, 2011, VOL. 20, NO. 4, 040702., WOS
- [1.1] NG LAW, Y. In ADVANCES IN COLLOID AND INTERFACE SCIENCE, 2013, vol. 197, p. 85-107., WOS

- [1.1] NOLOT, E. - ANDRE, A. Systematic combination of X-ray reflectometry and spectroscopic ellipsometry: A powerful technique for reliable in-fab metrology. In THIN SOLID FILMS, 2011, vol.519, no.9, 2782-2786., WOS
- [1.1] NOLOT, E.-ANDRE, A. Systematic combination of x-ray reflectometry. In THIN SOLID FILMS, 2011, VOL. 519, P. 2782., WOS
- [1.1] SINTONEN, S. et al. In JOURNAL OF VACUUM SCIENCE AND TECHNOLOGY, 2014, vol. 32, 01A111., WOS
- [1.1] WINDOVER, D. et al. In MEASUREMENT SCIENCE AND TECHNOLOGY, 2014, vol. 25, no. 10, 105007., WOS

ADCA644 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] JIN, T.- WU, W.- JIANG, Ch. In SCRIPTA MATERIALIA, 2014, vol. 74, pp. 100-103., WOS
- [1.1] KRIEGISCH, M. et al. In IEEE TRANSACTIONS ON MAGNETICS, 2014, vol. 50, 2401005., WOS
- [1.1] WU, W. In APPLIED PHYSICS LETTERS, 2013, vol. 103, 262403., WOS

ADCA645 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. (1.046 - IF2002). (2003 - Current Contents, WOS, SCOPUS). ISSN 0304-8853.

Ohlasy:

- [1.1] PANDA, A. K. - ROY, R. K. - DEY, Sushmita - SINGH, Satnam - MITRA, A. Functional gradation through preferential crystallisation and interfacial activity in rapidly quenched Fe/Co-based bilayered ribbons for bend sensors. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2013, vol. 114, no. 2, 023909., WOS

ADCA646 MEŠKO, M. - VRETENÁR, Viliam - KOTRUSZ, P. - HULMAN, M. - 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. (1.316 - IF2011). (2012 - Current Contents). ISSN 0370-1972.

Ohlasy:

- [1.1] BO, Zheng - MA, Wei - WANG, Pengxiang - WU, Erka - YANG, Weicheng - YU, Kehan - ZHANG, Xiaopeng - YAN, Jianhua - CEN, Kefa. Multi-pin dc glow discharge PECVD for uniform growth of vertically oriented graphene at atmospheric pressure. In PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS. ISSN 0370-1972, 2014, vol. 251, no. 1, pp. 155., WOS
- [1.1] ZHANG, Xiuyan - WU, Erka - HU, Dan - BO, Zheng - ZHU, Weiguang - YU, Kehan - YU, Chao - WANG, Zhihua - YAN, Jianhua - CEN, Kefa. Highly-branched vertically-oriented graphene nanosheets with dense open

graphitic edge planes as Pt support for methanol oxidation. In PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS. ISSN 0370-1972, 2014, vol. 251, no. 4, pp. 829., WOS

ADCA647 MCHUGH, D. - ZIMAN, Mário - BUŽEK, Vladimír. Entanglement, purity and energy. In *Physical Review A*, 2006, vol. 74, no. 4, 042303. (2006 - Current Contents, SCOPUS). ISSN 1050-2947.

Ohlasy:

[1.1] FURMAN, Gregory B. - MEEROVICH, Victor M. - SOKOLOVSKY, Vladimir L. ZERO FIELD ENTANGLEMENT IN DIPOLAR COUPLING SPIN SYSTEM AT NEGATIVE TEMPERATURE. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION. ISSN 0219-7499, 2013, vol. 11, no. 5, 1350050., WOS

[1.1] GAVRILIK, A. M. - MISHCHENKO, Yu A. Energy dependence of the entanglement entropy of composite boson (quasiboson) systems. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2013, vol. 46, no. 14, 145301., WOS

[1.1] HOU, Xi-Wen - WAN, Ming-Fang - MA, Zhong-Qi. Dynamical correlations of negativity and entropy for pure and mixed states in two coupled quartic oscillators. In EUROPEAN PHYSICAL JOURNAL D, 2011, vol.62, no.2, 279., WOS

[1.1] ISAR, Aurelian - VLAD. Quantum correlations in two-mode Gaussian open quantum systems. In ROMOPTO 2012: TENTH CONFERENCE ON OPTICS: MICRO- TO NANOPHOTONICS III. ISSN 0277-786X, 2013, vol. 8882, UNSP 888209., WOS

[1.1] ISAR, Aurelian - BUNOIU, M - AVRAM, N - BIRIS, CG. Quantum Correlations in Gaussian Open Systems. In PROCEEDINGS OF THE PHYSICS CONFERENCE TIM 11. ISSN 0094-243X, 2012, vol. 1472, pp. 53., WOS

[1.1] ISAR, Aurelian. Entanglement in two-mode continuous variable open quantum systems. In PHYSICA SCRIPTA, 2011, vol.T143, no. 014012, WOS

[1.1] ISAR, Aurelian. ENTANGLEMENT OF FORMATION FOR GAUSSIAN STATES OF TWO BOSONIC MODES IN A THERMAL ENVIRONMENT. In ROMANIAN JOURNAL OF PHYSICS. ISSN 1221-146X, 2013, vol. 58, no. 9-10, pp. 1355., WOS

[1.1] ISAR, Aurelian. Entanglement dynamics of two-mode Gaussian systems in a two-reservoir model. In PHYSICA SCRIPTA. ISSN 0031-8949, 2014, vol. T160, 014019., WOS

[1.1] ISAR, Aurelian. EVOLUTION OF CONTINUOUS VARIABLE CORRELATIONS IN OPEN QUANTUM SYSTEMS. In ROMANIAN JOURNAL OF PHYSICS. ISSN 1221-146X, 2012, vol. 57, no. 1-2, pp. 262., WOS

[1.1] ISAR, Aurelian. Quantum Entanglement and Quantum Discord of Two-Mode Gaussian States in a Thermal Environment. In OPEN SYSTEMS & INFORMATION DYNAMICS, 2011, vol.18, no.2, 175., WOS

[1.1] ISAR, Aurelian. Quantum correlations of two-mode Gaussian systems in a thermal environment. In PHYSICA SCRIPTA. ISSN 0031-8949, 2013, vol. T153, 014035., WOS

[1.1] ISAR, Aurelian. QUANTUM ENTANGLEMENT OF TWO-MODE GAUSSIAN SYSTEMS IN TWO-RESERVOIR MODEL. In ROMANIAN REPORTS IN PHYSICS. ISSN 1221-1451, 2013, vol. 65, no. 3, pp. 711., WOS

- [1.1] ISAR, Aurelian. QUANTUM ENTANGLEMENT OF TWO BOSONIC MODES IN TWO-RESERVOIR MODEL. In ROMANIAN JOURNAL OF PHYSICS. ISSN 1221-146X, 2013, vol. 58, no. 5-6, pp. 599., WOS
- [1.1] ISAR, Aurelian. Renyi-2 quantum correlations of two-mode Gaussian systems in a thermal environment. In PHYSICA SCRIPTA. ISSN 0031-8949, 2013, vol. 87, no. 3, 038108., WOS
- [1.1] ISAR, A. Continuous variable entanglement in two-mode open quantum systems. In OPTICS AND SPECTROSCOPY, 2011, vol.111, no.4, 558., WOS
- [1.1] LULLI, A. - BINA, M. - GENONI, M. G. Robustness of tripartite entanglement transfer from bosonic modes to localized qubits. In EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS. ISSN 1951-6355, 2012, vol. 203, no. 1, pp. 25., WOS
- [1.1] OHKI, Kentaro - HARA, Shinji - YAMAMOTO, Naoki. On quantum-classical equivalence for linear systems control problems and its application to quantum entanglement assignment. In 2011 50TH IEEE CONFERENCE ON DECISION AND CONTROL AND EUROPEAN CONTROL CONFERENCE (CDC-ECC), 2011, vol., no., 6260., WOS
- [1.1] SOLANO-CARRILLO, E. - FRANCO, R. - SILVA-VALENCIA, J. Pairwise entanglement and critical behavior of an anisotropic ferrimagnetic spin chain. In PHYSICS LETTERS A, 2011, vol.375, no.6, 1032., WOS
- [1.1] SOLANO-CARRILLO, E. - FRANCO, R. - SILVA-VALENCIA, J. Entanglement and quantum phase transition in a mixed-spin Heisenberg chain with single-ion anisotropy. In PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS, 2011, vol.390, no.11, 2208., WOS
- [1.1] VIEIRA, A. R. - DE OLIVEIRA JUNIOR, J. G. G. - PEIXOTO DE FARIA, J. G. - NEMES, M. C. Geometry in the Entanglement Dynamics of the Double Jaynes-Cummings Model. In BRAZILIAN JOURNAL OF PHYSICS. ISSN 0103-9733, 2014, vol. 44, no. 1, pp. 19-29., WOS
- [1.1] ZHANG, Y. Q. - TAN, L. Dynamical behavior of entanglement, purity and energy for two atoms in the presence of dissipation. In EUROPEAN PHYSICAL JOURNAL D, 2011, vol.64, no.2-3, 585., WOS

ADCA648 MCHUGH, D. - BUŽEK, Vladimír - ZIMAN, Mário. When non-Gaussian states are Gaussian: Generalization of non-separability criterion for continuous variables. In *Physical Review A*, 2006, vol. 74, 050306(R. ISSN 1050-2947.

Ohlasy:

- [1.1] NAMIKI, R. Photonic families of non-Gaussian entangled states. In PHYSICAL REVIEW A, 2012, vol. 85, 062307., WOS

ADCA649 MIGLIERINI, Marcel - SCHAAF, P. - ŠKORVÁNEK, Ivan - JANIČKOVIČ, Dušan - CARPENE, E. - WAGNER, S. Laser-induced structural modifications of FeMoCuB metallic glasses before and after transformation into a nanocrystalline state. In *Journal of Physics: Condensed Matter*, 2001, vol. 13, no. 46, p. 10359-10369. (1.608 - IF2000). (2001 - Current Contents, WOS, SCOPUS). ISSN 0953-8984.

Ohlasy:

- [1.1] WISSENBAACH, K. - WEISHEIT, A. - WILLENBORG, E. - TEMMLER, A. - BACKES, G. - GASSER, A. - GOTTMANN, J. Surface

Treatment. In TAILORED LIGHT 2: LASER APPLICATION TECHNOLOGY.
Book Series: RWTHedition Pages: 173-239 DOI:
10.1007/978-3-642-01237-2_11 Published: 2011, WOS

ADCA650 MIGLIERINI, M. - KANUCH, T. - ŠVEC, Peter - KRENICKÝ, T. - VUJTEK, M. - ZBORIL, R. Magnetic microstructure of NANOPERM- type nanocrystalline alloys. In *Physica Status Solidi B*, 2006, vol. 243, no. 1, p. 57-64. (0.836 - IF2005). (2006 - Current Contents, WOS, SCOPUS). ISSN 0370-1972.

Ohlasy:

[1.1] ZHANG, Yan - SHARMA, Parmanand - MAKINO, Akihiro. Sintered powder cores of high Bs and low coreloss Fe_{84.3}Si₄B₈P₃Cu_{0.7} nano-crystalline alloy. In AIP ADVANCES. ISSN 2158-3226, 2013, vol. 3, no. 6, 062118., WOS

[1.1] ZHANG, Zeqiang - SHARMA, Parmanand - MAKINO, Akihiro. Role of Si in high B-s and low core-loss Fe_{85.2}B₁₀-XP₄Cu_{0.8}Si_X nano-crystalline alloys. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2012, vol. 112, no. 10, 103902., WOS

ADCA651 MIGLIERINI, M. - TÓTH, I. - SEBERÍNI, M. - ILLEKOVÁ, Emília - IDZIKOWSKI, B. Structure and hyperfine interactions of melt-spun Fe₈₀Mo₇X₁₃B₁₂ (X=Cu or Au) before and after transformation into nanocrystalline states. In *Journal of Physics: Condensed Matter*, 2002, vol. 14, p. 1249-1260. (1.611 - IF2001). (2002 - Current Contents, WOS, SCOPUS). ISSN 0953-8984.

Ohlasy:

[1.1] CONDE, C. F. - BORREGO, J. M. - BLAZQUEZ, J. S. - CONDE, A. - SVEC, P. - JANICKOVIC, D. Magnetic and structural characterization of Mo-Hitperm alloys with different Fe/Co ratio. In JOURNAL OF ALLOYS AND COMPOUNDS, 2011, vol.509, no.5, 1994-2000., WOS

[1.1] SWIERCZEK, Jan - HASIAK, Mariusz. Microstructure and Magnetic Entropy Change in Amorphous Fe₇₆Mo₁₀Cu₁B₁₃ Alloy. In IEEE TRANSACTIONS ON MAGNETICS. ISSN 0018-9464, 2014, vol. 50, no. 4, 20035040., WOS

[1.1] SWIERCZEK, Jan. Nanocrystallization and magnetocaloric effect in amorphous Fe-Mo-Cu-B alloy. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2014, vol. 615, pp. 255., WOS

[1.1] SWIERCZEK, Jan. Superparamagnetic behavior and magnetic entropy change in partially crystallized Fe-Mo-Cu-B alloy. In PHYSICA STATUS SOLIDI A-APPLICATIONS AND MATERIALS SCIENCE. ISSN 1862-6300, 2014, vol. 211, no. 7, pp. 1567., WOS

ADCA652 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. (2.962 - IF2003). (2004 - Current Contents, WOS, SCOPUS). ISSN 1098-0121.

Ohlasy:

[1.1] CURTAROLO, Stefano - HART, Gus L. W. - NARDELLI, Marco Buongiorno - MINGO, Natalio - SANVITO, Stefano - LEVY, Ohad. The high-throughput highway to computational materials design. In NATURE MATERIALS. ISSN 1476-1122, 2013, vol. 12, no. 3, pp. 191., WOS

[1.1] DOGAN, Oe N. - SONG, X. - CHEN, S. - GAO, M. C. Microstructural study of high-temperature Cr-Ni-Al-Ti alloys supported by first-principles

calculations. In INTERMETALLICS. ISSN 0966-9795, 2013, vol. 35, pp. 33., WOS

[1.1] HAO, Shiqiang - SHOLL, David S. Computational prediction of durable amorphous metal membranes for H-2 purification. In JOURNAL OF MEMBRANE SCIENCE, 2011, vol.381, no.1-2, 192., WOS

[1.1] HAO, Shiqiang - SHOLL, David S. Rapid prediction of hydrogen permeation through amorphous metal membranes: an efficient computational screening approach. In ENERGY & ENVIRONMENTAL SCIENCE. ISSN 1754-5692, 2013, vol. 6, no. 1, pp. 232., WOS

[1.1] HOSTERT, C. - MUSIC, D. - BEDNARCIK, J. - KECKES, J. - SCHNEIDER, J. M. Quantum mechanically guided design of Co₄₃Fe₂₀Ta_{5.5}X_{31.5} (X = B, Si, P, S) metallic glasses. In JOURNAL OF PHYSICS-CONDENSED MATTER. ISSN 0953-8984, 2012, vol. 24, no. 17, 175402., WOS

[1.1] KUSNE, Aaron Gilad - GAO, Tieren - MEHTA, Apurva - KE, Liqin - MANH CUONG NGUYEN - HO, Kai-Ming - ANTROPOV, Vladimir - WANG, Cai-Zhuang - KRAMER, Matthew J. - LONG, Christian - TAKEUCHI, Ichiro. On-the-fly machine-learning for high-throughput experiments: search for rare-earth-free permanent magnets. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2014, vol. 4, 6367., WOS

[1.1] PARK, Junyoung - SHIBUTANI, Yoji. Common errors of applying the Voronoi tessellation technique to metallic glasses. In INTERMETALLICS. ISSN 0966-9795, 2012, vol. 23, pp. 91-95., WOS

[1.1] PELTZER Y BLANCA, Eitel Leopoldo - NAPAN MALDONADO, Rocio del Pilar. Hydrogen reservoirs, an ab-initio study on saline hydrides based on Li/Be-H compounds. In EUROPEAN PHYSICAL JOURNAL B. ISSN 1434-6028, 2014, vol. 87, no. 5, pp. 1., WOS

[1.1] YE, Shulong - LI, Xiaoyu - BIAN, Xiufang - WANG, Weimin - YIN, Lijuan - AN, Bang. Remelting treatment and heredity phenomenon in the formation of Fe₇₈Si₉B₁₃ amorphous alloy. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2013, vol. 562, pp. 143., WOS

ADCA653 MIHALKOVIČ, Marek - FRANCOUAL, S. - SHIBATA, K. - DE BOISSIEU, M. - BARON, A.Q.R. - SIDIS, Y. - ISHIMASA, T. - WU, D. - LOGRASSO, T. - GNAULT, L.P. - GAHLER, F. - TSUTSUI, S. - HENNIOIN, B. - SATO, T.J. - TAKAKURA, H. - TSAI, A.-P. Atomic dynamics i-ScZnMg and its approximant phase. In *Philosophical Magazine*, 2008, vol. 88, no. 13, p. 2311-2318. ISSN 1478-6435.

Ohlasy:

[1.1] JANSSEN, T.- de BOISSIEU, M. In COMPTES RENDUS PHYSIQUE, 2014, vol. 15, pp. 58., WOS

ADCA654 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. (3.065 - IF2000). (2001 - Current Contents, WOS, SCOPUS). ISSN 1098-0121.

Ohlasy:

[1.1] JANSSEN, T.- de BOISSIEU, M. In COMPTES RENDUS PHYSIQUE, 2014, vol. 15, no. 1, pp. 58-69., WOS

- ADCA655 MIHALKOVIČ, Marek - WIDOM, M. Canonical cell model of cadmium-based icosahedral alloys. In *Philosophical Magazine*, 2006, vol. 86, no. 3-5, p. 519-527. ISSN 1478-6435.
Ohlasy:
[1.1] DE BOISSIEU, Marc. Phonons and Phasons in Icosahedral Quasicrystals. In *ISRAEL JOURNAL OF CHEMISTRY*, 2011, vol.51, no.11-12, 1292., WOS
[1.1] DE BOISSIEU, Marc. Study of the structure and physical properties of quasicrystals using large scale facilities. In *COMPTES RENDUS PHYSIQUE*. ISSN 1631-0705, 2012, vol. 13, no. 3, pp. 207., WOS
- ADCA656 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. (1.302 - IF2010). (2011 - Current Contents). ISSN 1478-6435.
Ohlasy:
[1.1] NISHIMOTO, K. In *JOURNAL OF PHYSICS-CONDENSED MATTER*, 2013, vol. 25, 235403., WOS
- ADCA657 MIHALKOVIČ, Marek - HENLEY, C.L. - WIDOM, M. Combined energy-diffraction data refinement of decagonal AlNiCo. In *Journal of Non-Crystalline Solids*, 2004, vol. 334, p. 177-183.
Ohlasy:
[1.1] STEURER, Walter - DELOUDI, Sofia. Decagonal quasicrystals What has been achieved? In *COMPTES RENDUS PHYSIQUE*. ISSN 1631-0705, 2014, vol. 15, no. 1, pp. 40., WOS
- ADCA658 MIHALKOVIČ, Marek - HENLEY, C.L. Empirical oscillating potentials for alloys from an 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. (3.691 - IF2011). (2012 - Current Contents, WOS, SCOPUS). ISSN 1098-0121.
Ohlasy:
[1.1] SCHOPF, D.- EUCHNER, H.- TREBIN, H. In *PHYSICAL REVIEW B*, 2014, vol. 89, 214306., WOS
[1.1] TANAKA, K. et al. In *ACTA PHYSICA POLONICA A*, 2014, vol. 126, pp. 603., WOS
- ADCA659 MIHALKOVIČ, Marek - HENLEY, C.L. Energetics and dynamics of caged Zn₄ in i-ScZn. In *Philosophical Magazine*, 2011, vol. 91, no. 19-21, p. 2548-2556. (1.302 - IF2010). (2011 - Current Contents). ISSN 1478-6435.
Ohlasy:
[1.1] TAMURA, Ryuji. Properties of Cd-Based Binary Quasicrystals and Their 1/1 Approximants. In *ISRAEL JOURNAL OF CHEMISTRY*, 2011, vol.51, no.11-12, 1263-1274., WOS
[1.1] YAMADA, Tsunetomo - EUCHNER, Holger - GOMEZ, Cesar Pay - TAKAKURA, Hiroyuki - TAMURA, Ryuji - DE BOISSIEU, Marc. Short- and long-range ordering during the phase transition of the Zn₆Sc 1/1 cubic approximant. In *JOURNAL OF PHYSICS-CONDENSED MATTER*. ISSN 0953-8984, 2013, vol. 25, no. 20, 205405., WOS

ADCA660 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. (3.107 - IF2006). (2007 - Current Contents, WOS, SCOPUS). ISSN 1098-0121.

Ohlasy:

- [1.1] DONG, Wei-Ping - KIM, Hyun-Kyu - KO, Won-Seok - LEE, Byeong-Moon - LEE, Byeong-Joo. Atomistic modeling of pure Co and Co-Al system. In CALPHAD-COMPUTER COUPLING OF PHASE DIAGRAMS AND THERMOCHEMISTRY. ISSN 0364-5916, 2012, vol. 38, pp. 7-16., WOS
- [1.1] LEDIEU, Julian - GAUDRY, Emilie - FOURNEE, Vincent. Surfaces of Al-based complex metallic alloys: atomic structure, thin film growth and reactivity. In SCIENCE AND TECHNOLOGY OF ADVANCED MATERIALS. ISSN 1468-6996, 2014, vol. 15, no. 3, 034802., WOS
- [1.1] SAMOLYUK, G. D. - UJFALUSSY, B. - STOCKS, G. M. The distribution alloying elements in alnico 8 and 9 magnets: Site preference of ternary Ti, Fe, Co, and Ni additions in DO₃ Fe₃Al, Co₃Al, and Ni₃Al based intermetallic phases. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2014, vol. 116, no. 17, 173908., WOS
- [1.2] KRAJČÍ, M. - HAFNER, J. Surface structures of complex intermetallic compounds: An abinitio DFT study for the (100) surface of o-Al₁₃Co₄. In Physical Review B Condensed Matter and Materials Physics, 2011, vol.84, no.11, 115410., SCOPUS
- [1.2] KRAJČÍ, M. - HAFNER, J. Complex intermetallic compounds as selective hydrogenation catalysts A case study for the (1 0 0) surface of Al₁₃Co₄. In Journal of Catalysis, 2011, vol.278, no.2, 200-207., SCOPUS
- [1.2] KRAJČÍ, M. - HAFNER, J. Catalytic properties of Al₁₃Co₄ studied by ab initio methods. In Philosophical Magazine, 2011, vol.91, no.19-21, 2904-2912., SCOPUS
- [1.2] SHIN, H. - PUSSI, K. - GAUDRY, É. - LEDIEU, J. - FOURNÉE, V. - ALARCÓN VILLASECA, S. - DUBOIS, J.-M. - GRIN, Y. - GILLE, P. - MORITZ, W. - DIEHL, R.D. Structure of the orthorhombic Al₁₃Co₄(100) surface using LEED, STM, and ab initio studies. In Physical Review B Condensed Matter and Materials Physics, 2011, vol.84, no.8, 085411., SCOPUS
- [1.2] VILLASECA, S.A. - LEDIEU, J. - SERKOVIC LOLI, L.N. - DE WEERD, M.-C. - GILLE, P. - FOURNÉE, V. - DUBOIS, J.-M. - GAUDRY, É. Structural investigation of the (001) surface of the Al₉Co₂ complex metallic alloy. In Journal of Physical Chemistry C, 2011, vol.115, no.30, 14922-14932., SCOPUS
- [1.2] ZHAO, M. - YIN, F. - LI, Z. - LIU, Y. - LONG, Z. - SU, X. Phase equilibria of the Al-Co-Zn system at 450 °C. In Journal of Phase Equilibria and Diffusion, 2011, vol.32, no.3, 183-192., SCOPUS

ADCA661 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. (2.834 - IF1995). (1996 - Current Contents). ISSN 1098-0121.

Ohlasy:

- [1.1] FUJITA, Nobuhisa - TAKANO, Hikari - YAMAMOTO, Akiji - TSAI, An-Pang. Cluster-packing geometry for Al-based F-type icosahedral alloys. In ACTA CRYSTALLOGRAPHICA SECTION A. ISSN 0108-7673, 2013, vol. 69,

pp. 322., WOS

[1.1] MURIN, A. - SHABANOVA, I. Comparative study of local atomic structure of liquid and supercooled Cu, Ni, And Au. In SURFACE AND INTERFACE ANALYSIS. ISSN 0142-2421, 2014, vol. 46, no. 10-11, pp. 869., WOS

ADCA662 MIHALKOVIČ, Marek - MRAFKO, Peter. Quasicrystal structure modelling. In *Materials Science and Engineering A*, 1997, vol. 226, p. 961-966. ISSN 0921-5093.

Ohlasy:

[1.1] STEURER, Walter - DELOUDI, Sofia. Decagonal quasicrystals What has been achieved? In COMPTES RENDUS PHYSIQUE. ISSN 1631-0705, 2014, vol. 15, no. 1, pp. 40., WOS

ADCA663 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. (3.691 - IF2011). (2012 - Current Contents, WOS, SCOPUS). ISSN 1098-0121.

Ohlasy:

[1.1] KLAVER, T. P. C. - MADSEN, G. K. H. - DRAUTZ, R. A DFT study of formation energies of Fe-Zn-Al intermetallics and solutes. In INTERMETALLICS. ISSN 0966-9795, 2012, vol. 31, pp. 137-144., WOS

[1.1] OUYANG, Yifang - TONG, Xiaofeng - LI, Chang - CHEN, Hongmei - TAO, Xiaoma - HICKEL, Tilmann - DU, Yong. Thermodynamic and physical properties of FeAl and Fe₃Al: an atomistic study by EAM simulation. In PHYSICA B-CONDENSED MATTER. ISSN 0921-4526, 2012, vol. 407, no. 23, pp. 4530., WOS

ADCA664 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.

Ohlasy:

[1.1] ANGHEL, Dragos-Victor - CHUROCHKIN, Dmitry V. The Anisotropic Glassy Properties of Decagonal Quasicrystals. In ADVANCES IN CONDENSED MATTER PHYSICS. ISSN 1687-8108, 2013, 419202., WOS

[1.1] TUKEL, Caner - IDE, Semra - YILDIRIM, Leyla - ERBUDAK, Mehmet. SWAXS analysis on some quasicrystalline alloys: Nanoclusters and nanoaggregates. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2013, vol. 581, pp. 860., WOS

ADCA665 MIHALKOVIČ, Marek - MRAFKO, Peter. Tiling of canonical cells. In *Europhysics Letters*, 1993, vol. 21, no. 4, p. 463-467. (2.460 - IF1992). (1993 - Current Contents). ISSN 0295-5075.

Ohlasy:

[1.1] FUJITA, Nobuhisa - TAKANO, Hikari - YAMAMOTO, Akiji - TSAI, An-Pang. Cluster-packing geometry for Al-based F-type icosahedral alloys. In ACTA CRYSTALLOGRAPHICA SECTION A. ISSN 0108-7673, 2013, vol. 69, pp. 322., WOS

ADCA666 MIHALKOVIČ, Marek - LEHYANI, Al.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. (3.070 - IF2001). (2002 - Current Contents, WOS, SCOPUS). ISSN 1098-0121.

Ohlasy:

[1.1] ABE, Eiji. Electron microscopy of quasicrystals where are the atoms? In *CHEMICAL SOCIETY REVIEWS*. ISSN 0306-0012, 2012, vol. 41, no. 20, pp. 6787., WOS

[1.1] ABE, E. - YAMAMOTO, A. Structure of an approximant crystal in Ni-rich Al₇₁Ni₂₂Co₇. In *PHILOSOPHICAL MAGAZINE*, 2011, vol.91, no.19-21, 2617., WOS

[1.1] KUCZERA, Pawel - WOLNY, Janusz - STEURER, Walter. High-temperature structural study of decagonal Al-Cu-Rh. In *ACTA CRYSTALLOGRAPHICA SECTION B-STRUCTURAL SCIENCE CRYSTAL ENGINEERING AND MATERIALS*. ISSN 0108-7681, 2014, vol. 70, pp. 306., WOS

[1.1] SCHOPF, Daniel - BROMMER, Peter - FRIGAN, Benjamin - TREBIN, Hans-Rainer. Embedded atom method potentials for Al-Pd-Mn phases. In *PHYSICAL REVIEW B*. ISSN 1098-0121, 2012, vol. 85, no. 5, 054201., WOS

[1.1] SODA, K. - INUKAI, M. - KATO, M. - YAGI, S. - SO, Y.G. - EDAGAWA, K. Spectroscopic study of Ni-rich Al-Co-Ni quasicrystal. In *PHILOSOPHICAL MAGAZINE*, 2011, vol.91, no.19-21, 2510., WOS

[1.1] TRYBULA, M. - JAKSE, N. - GASIOR, W. - PASTUREL, A. Structural and physicochemical properties of liquid Al-Zn alloys: A combined study based on molecular dynamics simulations and the quasi-lattice theory. In *JOURNAL OF CHEMICAL PHYSICS*. ISSN 0021-9606, 2014, vol. 141, no. 22, 224504., WOS

[1.1] YUHARA, J. - SATO, M. - MATSUI, T. - TSAI, A. P. Multi-cluster model of Al-Co-Ni Co-rich quasicrystal. In *PHILOSOPHICAL MAGAZINE*, 2011, vol.91, no.19-21, 2846., WOS

ADCA667 MIKULIK, P. - JERGEL, 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. (1.179 - IF2000). (2001 - Current Contents, SCOPUS). ISSN 0022-3727.

Ohlasy:

[1.1] GOLLMER, D. A. - WALTER, F. - LORCH, C. - NOVAK, J. - BANERJEE, R. - DIETERLE, J. - SANTORO, G. - SCHREIBER, F. - KERN, D. P. - FLEISCHER, M. Fabrication and characterization of combined metallic nanogratings and ITO electrodes for organic photovoltaic cells. In *MICROELECTRONIC ENGINEERING*. ISSN 0167-9317, 2014, vol. 119, no., pp. 122-126., WOS

[1.1] RUEDA, D. R. - MARTIN-FABIANI, I. - SOCCIO, M. - ALAYO, N. - PEREZ-MURANO, F. - REBOLLAR, E. - GARCIA-GUTIERREZ, M. C. - CASTILLEJO, M. - EZQUERRA, T. A. Grazing-incidence small-angle X-ray scattering of soft and hard nanofabricated gratings. In *JOURNAL OF APPLIED CRYSTALLOGRAPHY*. ISSN 0021-8898, 2012, vol. 45, no., pp. 1038-1045.,

WOS

[1.1] SOCCIO, M. - ALAYO, N. - MARTIN-FABIANI, I. - RUEDA, D. R. - GARCIA-GUTIERREZ, M. C. - REBOLLAR, E. - MARTINEZ-TONG, D. E. - PEREZ-MURANO, F. - EZQUERRA, T. A. On the assessment by grazing-incidence small-angle X-ray scattering of replica quality in polymer gratings fabricated by nanoimprint lithography. In JOURNAL OF APPLIED CRYSTALLOGRAPHY. ISSN 0021-8898, 2014, vol. 47, no., pp. 613-618., WOS

[1.1] SOLTWISCH, Victor - WERNECKE, Jan - HAASE, Anton - PROBST, Juergen - SCHOENGEN, Max - KRUMREY, Michael - SCHOLZE, Frank. Nanometrology on gratings with GISAXS: FEM reconstruction and fourier analysis. In METROLOGY, INSPECTION, AND PROCESS CONTROL FOR MICROLITHOGRAPHY XXVIII. ISSN 0277-786X, 2014, vol. 9050, no., article no. 905012., WOS

[1.1] WERNECKE, Jan - GOLLWITZER, Christian - MUELLER, Peter - KRUMREY, Michael. Characterization of an in-vacuum PILATUS 1M detector. In JOURNAL OF SYNCHROTRON RADIATION. ISSN 0909-0495, 2014, vol. 21, no., pp. 529-536., WOS

[1.1] WERNECKE, Jan - KRUMREY, Michael - HOELL, Armin - KLINE, R. Joseph - LIU, Hung-Kung - WU, Wen-Li. Traceable GISAXS measurements for pitch determination of a 25 nm self-assembled polymer grating. In JOURNAL OF APPLIED CRYSTALLOGRAPHY. ISSN 0021-8898, 2014, vol. 47, no., pp. 1912-1920., WOS

[1.1] WERNECKE, Jan - SCHOLZE, Frank - KRUMREY, Michael. Direct structural characterisation of line gratings with grazing incidence small-angle x-ray scattering. In REVIEW OF SCIENTIFIC INSTRUMENTS. ISSN 0034-6748, 2012, vol. 83, no. 10, art. no. 103906., WOS

[9] MARTÍN-FABIANI CARRATO, I. Nanoestructuración de materiales poliméricos con morfología controlada. Doctoral thesis, Universidad Complutense de Madrid. 2014, 177 pp., Google Scholar

ADCA668 MINGALEEV, S. - GAIDIDEI, Y.B. - MAJERNÍKOVÁ, Eva - SHPYRKO, S. Interplay of disorder and nonlinearity in Klein-Gordon models: Immobile kinks. In *Physical Review B*, 1999, vol. 59, no. 6, p. 4074-4079. (2.842 - IF1998). (1999 - Current Contents). ISSN 1098-0121.

Ohlasy:

[1.1] ARIAS, E. - GOULART, E. - KREIN, G. - MENEZES, G. - SVAITER, N. F. Scalar quantum field theory in disordered media. In PHYSICAL REVIEW D, 2011, vol.83, no.12, 125022., WOS

[1.1] TANG, Bing - LI, De-Jun - HU, Ke - TANG, Yi. INTRINSIC LOCALIZED MODES IN QUANTUM FERROMAGNETIC ISING-HEISENBERG CHAINS WITH SINGLE-ION UNIAXIAL ANISOTROPY. In INTERNATIONAL JOURNAL OF MODERN PHYSICS B. ISSN 0217-9792, 2013, vol. 27, no. 25, 1350139., WOS

ADCA669 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. (2.045 - IF1999). (2000 - Current Contents). ISSN 1539-3755.

Ohlasy:

[1.1] ALFIMOV, G. L. - MEDVEDEVA, E. V. Moving nonradiating kinks in nonlocal $\phi(4)$ and $\phi(4)$ - $\phi(6)$ models. In *PHYSICAL REVIEW E*, 2011, vol.84, no.5, 056606., WOS

[1.1] SAHA, Mirabeau - KOFANE, Timoleon C. NONLINEAR DYNAMICS OF LONG-RANGE PROTEIN-HELICOIDAL DNA INTERACTIONS. In *INTERNATIONAL JOURNAL OF MODERN PHYSICS B*. ISSN 0217-9792, 2012, vol. 26, no. 19, 1250101., WOS

ADCA670 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. (1.014 - IF2010). (2011 - Current Contents). ISSN 1557-1939.

Ohlasy:

[1.1] TITOV, Andrii - ZIVOTSKY, Ondrej - JIRASKOVA, Yvonna - HENDRYCH, Ales - BURSIK, Jiri - SVEC, Peter. Influence of Magnetostriction on Cross-Sectional Magnetic Properties in Bilayered Ribbons. In *IEEE TRANSACTIONS ON MAGNETICS*. ISSN 0018-9464, 2014, vol. 50, no. 11, 6500804., WOS

ADCA671 MORAVČÍKOVÁ, Lenka - ZIMAN, Mário. Entanglement-annihilating and entanglement-breaking channels. In *Journal of Physics A*, 2010, vol. 43, no. 27, 275306. (1.577 - IF2009). (2010 - Current Contents, EBSCO, SCOPUS). ISSN 1751-8113.

Ohlasy:

[1.1] CARUSO, Filippo - GIOVANNETTI, Vittorio - LUPO, Cosmo - MANCINI, Stefano. Quantum channels and memory effects. In *REVIEWS OF MODERN PHYSICS*. ISSN 0034-6861, 2014, vol. 86, no. 4, pp. 1203., WOS

[1.1] FILIPPOV, Sergey N. PPT-Inducing, Distillation-Prohibiting, and Entanglement-Binding Quantum Channels. In *JOURNAL OF RUSSIAN LASER RESEARCH*. ISSN 1071-2836, 2014, vol. 35, no. 5, pp. 484., WOS

[1.1] GUO, Zhihua - CAO, Huaixin. Local quantum channels preserving classical correlations. In *JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL*. ISSN 1751-8113, 2013, vol. 46, no. 6, 065303., WOS

[1.1] HUBER, Marcus - PERARNAU-LLOBET, Marti - DE VICENTE, Julio I. Entropy vector formalism and the structure of multidimensional entanglement in multipartite systems. In *PHYSICAL REVIEW A*. ISSN 1050-2947, 2013, vol. 88, no. 4, 042328., WOS

ADCA672 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] ZHAO, Zhengmin. Partially adapting multi-step local linear prediction. In *DIGITAL SIGNAL PROCESSING*. ISSN 1051-2004, 2014, vol. 25, pp. 114., WOS

ADCA673 MORHÁČ, Miroslav. An algorithm for determination of peak regions and baseline elimination in spectroscopic data. In *Nuclear Instruments and Methods in Physics Research A*, 2009, vol. 600, no. 2, p. 478-487. ISSN 0168-9002.

Ohlasy:

- [1.1] ALAMANIOTIS, Miltiadis - MATTINGLY, John - TSOUKALAS, Lefteri H. Kernel-Based Machine Learning for Background Estimation of NaI Low-Count Gamma-Ray Spectra. In IEEE TRANSACTIONS ON NUCLEAR SCIENCE. ISSN 0018-9499, 2013, vol. 60, no. 3, pp. 2209., WOS
- [1.1] CALIANDRO, Rocco - CARROZZINI, Benedetta - CASCARANO, Giovanni Luca - COMUNALE, Giuliana - GIACOVAZZO, Carmelo - MAZZONE, Annamaria. Protein phasing at non-atomic resolution by combining Patterson and VLD techniques. In ACTA CRYSTALLOGRAPHICA SECTION D-BIOLOGICAL CRYSTALLOGRAPHY. ISSN 1399-0047, 2014, vol. 70, pp. 1994., WOS
- [1.1] JIANG CHENG-ZHI - SUN QIANG - LIU YING - LIANG JING-QIU - AN YAN - LIU BING. A New Peak Detection Algorithm of Raman Spectra. In SPECTROSCOPY AND SPECTRAL ANALYSIS. ISSN 1000-0593, 2014, vol. 34, no. 1, pp. 103., WOS
- [1.1] KOURKOUMELIS, Nikolaos. Continuum determination in spectroscopic data by means of topological concepts and Fourier filtering. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, 2012, vol. 691, pp. 1., WOS
- [1.1] LI LEI - TUO XIAN-GUO - LIU MING-ZHE - WANG JUN. High-resolution boosted reconstruction of gamma-ray spectra. In NUCLEAR SCIENCE AND TECHNIQUES. ISSN 1001-8042, 2014, vol. 25, no. 5, 050202., WOS
- [1.1] MEISEL, Susann - STOECKEL, Stephan - ELSCHNER, Mandy - MELZER, Falk - ROESCH, Petra - POPP, Juergen. Raman Spectroscopy as a Potential Tool for Detection of Brucella spp. in Milk. In APPLIED AND ENVIRONMENTAL MICROBIOLOGY. ISSN 0099-2240, 2012, vol. 78, no. 16, pp. 5575., WOS
- [1.1] SCHULZE, H. Georg - FOIST, Rod B. - OKUDA, Kadek - IVANOV, Andre - TURNER, Robin F. B. A Small-Window Moving Average-Based Fully Automated Baseline Estimation Method for Raman Spectra. In APPLIED SPECTROSCOPY. ISSN 0003-7028, 2012, vol. 66, no. 7, pp. 757., WOS
- [1.1] STOECKEL, S. - MEISEL, S. - ELSCHNER, M. - ROESCH, P. - POPP, J. Identification of Bacillus anthracis via Raman Spectroscopy and Chemometric Approaches. In ANALYTICAL CHEMISTRY. ISSN 0003-2700, 2012, vol. 84, no. 22, pp. 9873., WOS
- [1.1] TOMOYORI, Katsuaki - KUSAKA, Katsuhiro - YAMADA, Taro - HOSOYA, Takaaki - OHHARA, Takashi - KURIHARA, Kazuo - TANAKA, Ichiro - KATAGIRI, Masaki - NIIMURA, Nobuo. Profile functions to reproduce Bragg reflection shapes observed by a time-of-flight single-crystal diffractometer installed at a coupled moderator pulsed neutron source in J-PARC. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, 2013, vol. 723, pp. 128., WOS
- [1.1] ZHANG, Qingxian - GE, Liangquan - GU, Yi - LIN, Yanchang - ZENG, Guoqiang - YANG, Jia. Background estimation based on Fourier Transform in the energy-dispersive X-ray fluorescence analysis. In X-RAY SPECTROMETRY. ISSN 0049-8246, 2012, vol. 41, no. 2, pp. 75., WOS
- [1.1] WOS

[1.2] DE ROOI, J. - EILERS, P. Deconvolution of pulse trains with the L 0 penalty. In *Analytica Chimica Acta*, 2011, vol.705, no.1-2, 218-226., SCOPUS

[1.2] MEISEL, S. - STÖCKEL, S. - ELSCHNER, M. - RÖSCH, P. - POPP, J. Assessment of two isolation techniques for bacteria in milk towards their compatibility with Raman spectroscopy. In *Analyst*, 2011, vol.136, no.23, 4997-5005., SCOPUS

ADCA674 MORHÁČ, Miroslav. An iterative error-free algorithm to solve Vandermonde systems. In *Applied Mathematics and Computation*, 2001, vol. 117, p. 45-54.

Ohlasy:

[1.2] SUTTON, A.M. - WHITLEY, L.D. - HOWE, A.E. Approximating the distribution of fitness over hamming regions. In *FOGA'11 Proceedings of the 2011 ACM/SIGEVO Foundations of Genetic Algorithms XI*, 2011, vol., 93-103., SCOPUS

ADCA675 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*, 2003, vol. 502, no. 2-3, p. 784-786. ISSN 0168-9002.

Ohlasy:

[1.1] NYQUIST, Susanne - HALENIUS, Ulf. An EELS study of near edge structures of the oxygen K-edge in spinels. In *PHYSICS AND CHEMISTRY OF MINERALS*. ISSN 0342-1791, 2014, vol. 41, no. 4, pp. 255., WOS

ADCA676 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. (1.038 - IF1996). (1997 - Current Contents, SCOPUS). ISSN 0168-9002.

Ohlasy:

[1.1] ADRIANI, O. In *INTERNATIONAL JOURNAL OF MODERN PHYSICS A*, 2013, vol. 28, 1330036., WOS

[1.1] AGUILAR, J.A. In *NUCLEAR INSTRUMENTS AND METHODS A*, vol. 675, 2012, pp. 113-132., WOS

[1.1] ALAMANOTIS, M. In *IEEE TRANSACTIONS ON NUCLEAR SCIENCE*, 2013, vol. 60, pp. 2209., WOS

[1.1] BRITTON, R. In *JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY*, 2013, vol. 295, pp. 573., WOS

[1.1] CALIANDRO, R. et al. In *ACTA CRYSTALLOGRAPHICA D*, 2014, vol. 70, pp. 1994-2006., WOS

[1.1] HUDSON, D. Optimisation of mass ranging for atom probe microanalysis. In *ULTRAMICROSCOPY*, 2011, vol. 111, no. 6, p. 480., WOS

[1.1] IVLEVA, N.P. In *ANALYTICAL AND BIOANALYTICAL CHEMISTRY*, 2013, vol. 405, pp. 9071., WOS

[1.1] KLOSS, S. In *ANALYTICAL CHEMISTRY*, 2013, vol. 85, pp. 9610., WOS

[1.1] KOURKOUMELIS, N. In *NUCLEAR INSTRUMENTS AND METHODS A*, vol. 691, 2012, pp. 1-4., WOS

[1.1] KWON, Y. In *JOURNAL OF THE KOREAN PHYSICAL SOCIETY*,

- vol. 60, no. 10, 2012, pp. 1803-1808., WOS
- [1.1] LAU, S.K. In JOURNAL OF RAMAN SPECTROSCOPY, vol. 43, 2012, pp. 1299-1305., WOS
- [1.1] MICELI, A. et al. In SPECTROMETRY, 2014, vol. 29, pp. 1897-1903., WOS
- [1.1] MITSUKA, G. In EPJ WEB OF CONFERENCES, 2013, vol. 53., WOS
- [1.1] NOVIKOV, K. et al. In JOURNAL OF PHYSICS CONFERENCE SERIES, 2014, vol. 515, 012016., WOS
- [1.1] OMER, M. In NUCLEAR INSTRUMENTS AND METHODS A, 2013, vol. 729, pp. 102., WOS
- [1.1] PAHLOW, S. In CHEMPHYSICHEM, 2013, vol. 14, pp. 3600., WOS
- [1.1] RIZZUTI, A. In FOOD CHEMISTRY, 2013, vol. 141, pp. 1908., WOS
- [1.1] TOMOYORI, K. In NUCLEAR INSTRUMENTS AND METHODS A, 2013, vol. 723, pp. 128., WOS
- [1.1] XU, H. Gamma-ray spectrum analysis. In JOURNAL OF ENGINEERING FOR GAS TURBINES AND POWER, 2011, vol. 133, no. 5, 052912., WOS
- [1.1] ZENG, G. et al. In APPLIED RADIATION AND ISOTOPES, 2014, vol. 85, pp. 70-76., WOS
- [1.1] ZHANG, Q. In X-RAY SPECTROMETRY, vol. 41, no. 2, 2012, pp. 75., WOS

ADCA677 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.

Ohlasy:

- [1.1] ANGLADA-ESCUDE, G. - ARRIAGADA, P. - TUOMI, M. - ZECHMEISTER, M. - JENKINS, S. - OFIR, A. - DREIZLER, S. - GERLACH, E. - MARVIN, C. J. - REINERS, A. - JEFFERS, S. V. - BUTLER, R. P. - VOGT, S. S. - AMADO, P. J. - RODRIGUEZ-LOPEZ, C. - BERDINAS, Z. M. - MORIN, J. - CRANE, J. D. - SHECTMAN, S. A. - THOMPSON, I. B. - DIAZ, M. - RIVERA, E. - SARMIENTO, L. F. - JONES, H. R. A. Two planets around Kapteyn's star: a cold and a temperate super-Earth orbiting the nearest halo red dwarf. In MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY. ISSN 0035-8711, 2014, vol. 443, no. 1, pp. L89., WOS
- [1.1] BERGER, Naum K. Spectral superresolution with ultrashort optical pulses. In APPLIED OPTICS. ISSN 1559-128X, 2012, vol. 51, no. 2, pp. 181., WOS
- [1.1] FU, Han-Kuei - LIU, Yen-Liang - CHEN, Tzung-Te - WANG, Chien-Ping - CHOU, Pei-Ting. The Study of Spectral Correction Algorithm of Charge-Coupled Device Array Spectrometer. In IEEE TRANSACTIONS ON ELECTRON DEVICES. ISSN 0018-9383, 2014, vol. 61, no. 11, pp. 3796., WOS
- [1.1] LANDIS, Joshua D. - RENSHAW, Carl E. - KASTE, James M. Measurement of Be-7 in soils and sediments by gamma spectroscopy. In CHEMICAL GEOLOGY. ISSN 0009-2541, 2012, vol. 291, pp. 175., WOS
- [1.1] MAHMOUD, Imbaby I. - EL TOKHY, Mohamed S. Development of coincidence summing and resolution enhancement algorithms for digital gamma ray spectroscopy. In JOURNAL OF ANALYTICAL ATOMIC SPECTROMETRY. ISSN 0267-9477, 2014, vol. 29, no. 8, pp. 1459., WOS

- [1.1] MAHMOUD, I. I. - EL TOKHY, M. S. - KONBER, H. A. Pileup recovery algorithms for digital gamma ray spectroscopy. In *JOURNAL OF INSTRUMENTATION*. ISSN 1748-0221, 2012, vol. 7, P09013., WOS
- [1.1] ZHANG, Shiqiang - VAN GAENS, Wouter - VAN GESSEL, Bram - HOFMANN, Sven - VAN VELDHUIZEN, Eddie - BOGAERTS, Annemie - BRUGGEMAN, Peter. Spatially resolved ozone densities and gas temperatures in a time modulated RF driven atmospheric pressure plasma jet: an analysis of the production and destruction mechanisms. In *JOURNAL OF PHYSICS D-APPLIED PHYSICS*. ISSN 0022-3727, 2013, vol. 46, no. 20, 205202., WOS

ADCA678 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. (1.224 - IF2005). (2006 - Current Contents, WOS, SCOPUS). ISSN 0168-9002.

Ohlasy:

- [1.1] KEREN, Daniel - NISSENBOIM, Ido. On the uncertainty in the regularized solution. In *JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL*, 2011, vol.44, no.2., WOS
- [1.1] LINDNER, Robert - LOU, Xinghua - REINSTEIN, Jochen - SHOEMAN, Robert L. - HAMPRECHT, Fred A. - WINKLER, Andreas. Hexicon 2: Automated Processing of Hydrogen-Deuterium Exchange Mass Spectrometry Data with Improved Deuteration Distribution Estimation. In *JOURNAL OF THE AMERICAN SOCIETY FOR MASS SPECTROMETRY*. ISSN 1044-0305, 2014, vol. 25, no. 6, pp. 1018., WOS

ADCA679 MORHÁČ, Miroslav - KLIMAN, Ján - JANDEL, Marián - MATOUŠEK, Vladislav - HAMILTON, J.H. - KRÚPA, Ľuboš - RAMAYYA, A.V. Efficient fitting algorithms applied to analysis of coincidence gamma-ray spectra. In *Computer Physics Communications*, 2005, vol. 172, p. 19-41.

Ohlasy:

- [1.1] MAHMOUD, I.I. In *JOURNAL OF ANALYTICAL ATOMIC*, 2014, vol. 29, no. 8, pp. 1459., WOS

ADCA680 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. (1.038 - IF1996). (1997 - Current Contents, SCOPUS). ISSN 0168-9002.

Ohlasy:

- [1.1] ADRIANI, O. - BONECHI, L. - BONGI, M. - CASTELLINI, G. - D'ALESSANDRO, R. - HAGUENAUER, M. - ISO, T. - ITOW, Y. - KASAHARA, K. - KAWADE, K. - MASUDA, K. - MENJO, H. - MITSUKA, G. - MURAKI, Y. - NODA, K. - PAPINI, P. - PERROT, A.L. - RICCIARINI, S. - SAKO, T. - SHIMIZU, Y. - SUZUKI, T. - TAMURA, T. - TORII, S. - TRICOMI, A. - TURNER, W. C. LHCf DETECTOR PERFORMANCE DURING THE 2009-2010 LHC RUN. In *INTERNATIONAL JOURNAL OF MODERN PHYSICS A*. ISSN 0217-751X, 2013, vol. 28, no. 25, UNSP 1330036., WOS
- [1.1] BATES, R. - BLUE, A. - CHRISTOPHERSEN, M. - EKLUND, L. - ELY, S. - FADEYEV, V. - GIMENEZ, E. - KACHKANOV, V. -

- KALLIOPUSKA, J. - MACCHIOLO, A. - MANEUSKI, D. - PHILIPS, B. F. - SADROZINSKI, H. F.W. - STEWART, G. - TARTONI, N. - ZAIN, R. M. Characterisation of edgeless technologies for pixellated and strip silicon detectors with a micro-focused X-ray beam. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, 2013, vol. 8, P01018., WOS
- [1.1] BELYSHEV, S. S. - STOPANI, K. A. Automatic data acquisition and analysis in activation experiments. In MOSCOW UNIVERSITY PHYSICS BULLETIN. ISSN 0027-1349, 2013, vol. 68, no. 1, pp. 88., WOS
- [1.1] BRITTON, R. - BURNETT, J. - DAVIES, A. - REGAN, P. H. Preliminary simulations of NaI(Tl) detectors, and coincidence analysis using event stamping. In JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY. ISSN 0236-5731, 2013, vol. 295, no. 1, pp. 573., WOS
- [1.1] CALIANDRO, Rocco - BELVISO, Danilo Benny. RootProf: software for multivariate analysis of unidimensional profiles. In JOURNAL OF APPLIED CRYSTALLOGRAPHY. ISSN 0021-8898, 2014, vol. 47, pp. 1087., WOS
- [1.1] DE ROOI, Johan J. - RUCKEBUSCH, Cyril - EILERS, Paul H. C. Sparse Deconvolution in One and Two Dimensions: Applications in Endocrinology and Single-Molecule Fluorescence Imaging. In ANALYTICAL CHEMISTRY. ISSN 0003-2700, 2014, vol. 86, no. 13, pp. 6291., WOS
- [1.1] IVLEVA, Natalia P. - HUCKELE, Susanne - WEINZIERL, Bernadett - NIESSNER, Reinhard - HAISCH, Christoph - BAUMANN, Thomas. Identification and characterization of individual airborne volcanic ash particles by Raman microspectroscopy. In ANALYTICAL AND BIOANALYTICAL CHEMISTRY. ISSN 1618-2642, 2013, vol. 405, no. 28, pp. 9071., WOS
- [1.1] KWON, Y. - YUN, Y. B. - HA, J. M. - LEE, J. S. - YOON, Y. S. - EUN, J. W. Radiation damage of multipixel Geiger-mode avalanche photodiodes irradiated with low-energy gamma's and electrons. In JOURNAL OF THE KOREAN PHYSICAL SOCIETY. ISSN 0374-4884, 2012, vol. 60, no. 10, pp. 1803., WOS
- [1.1] LANDIS, Joshua D. - RENSHAW, Carl E. - KASTE, James M. Measurement of Be-7 in soils and sediments by gamma spectroscopy. In CHEMICAL GEOLOGY. ISSN 0009-2541, 2012, vol. 291, pp. 175., WOS
- [1.1] LI LEI - TUO XIAN-GUO - LIU MING-ZHE - WANG JUN. High-resolution boosted reconstruction of gamma-ray spectra. In NUCLEAR SCIENCE AND TECHNIQUES. ISSN 1001-8042, 2014, vol. 25, no. 5, 050202., WOS
- [1.1] LINDNER, Robert - LOU, Xinghua - REINSTEIN, Jochen - SHOEMAN, Robert L. - HAMPRECHT, Fred A. - WINKLER, Andreas. Hexicon 2: Automated Processing of Hydrogen-Deuterium Exchange Mass Spectrometry Data with Improved Deuteration Distribution Estimation. In JOURNAL OF THE AMERICAN SOCIETY FOR MASS SPECTROMETRY. ISSN 1044-0305, 2014, vol. 25, no. 6, pp. 1018., WOS
- [1.1] MICELI, A. - FESTA, G. - SENESI, R. - CIPPO, E. Perelli - GIACOMELLI, L. - TARDOCCHI, M. - SCHERILLO, A. - SCHOONEVELD, E. - FROST, C. - GORINI, G. - ANDREANI, C. Measurements of gamma-ray background spectra at spallation neutron source beamlines. In JOURNAL OF ANALYTICAL ATOMIC SPECTROMETRY. ISSN 0267-9477, 2014, vol. 29, no. 10, pp. 1897., WOS
- [1.1] MITSUKA, Gaku - KAMPERT, KH - FUKUSHIMA, M - ENGEL, R - PATTISON, B. Recent results from LHCf. In UHECR 2012 INTERNATIONAL

SYMPOSIUM ON FUTURE DIRECTIONS IN UHECR PHYSICS. ISSN 2100-014X, 2013, vol. 53., WOS

[1.1] NOVIKOV, K. - KOZULIN, E. M. - HARCA, I. M. - DMITRIEV, S. - FLUERAS, A. - GREENLEES, P. - HANAPPE, F. - KHLEBNIKOV, S. V. - LOKTEV, T. - MAURER, J. - DI NITTO, A. - PAKARINEN, J. - RUOTSALAINEN, P. - SANDZELIUS, M. - SORRI, J. - SIN, M. - TRZASKA, W. H. - VARDACI, E. - ZAGREBAEV, V. I. - GIARDINA, G - NASIROV, AK - MANDAGLIO, G. Production and investigation of neutron-rich Osmium isotopes with and around N=126 using gas flow transport method. In INTERNATIONAL SYMPOSIUM ON ENTRANCE CHANNEL EFFECT ON THE REACTION MECHANISM IN HEAVY ION COLLISIONS. ISSN 1742-6588, 2014, vol. 515, 012016., WOS

[1.1] NYQUIST, Susanne - HALENIUS, Ulf. An EELS study of near edge structures of the oxygen K-edge in spinels. In PHYSICS AND CHEMISTRY OF MINERALS. ISSN 0342-1791, 2014, vol. 41, no. 4, pp. 255., WOS

[1.1] VARGAS, J. - BENLLIURE, J. - CAAMANO, M. Unfolding the response of a zero-degree magnetic spectrometer from measurements of the Delta resonance. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, 2013, vol. 707, pp. 16., WOS

ADCA681 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, p. 144-171.

Ohlasy:

[1.1] LINDNER, Robert - LOU, Xinghua - REINSTEIN, Jochen - SHOEMAN, Robert L. - HAMPRECHT, Fred A. - WINKLER, Andreas. Hexicon 2: Automated Processing of Hydrogen-Deuterium Exchange Mass Spectrometry Data with Improved Deuteration Distribution Estimation. In JOURNAL OF THE AMERICAN SOCIETY FOR MASS SPECTROMETRY. ISSN 1044-0305, 2014, vol. 25, no. 6, pp. 1018., WOS

ADCA682 MORHÁČ, Miroslav - MATOUŠEK, Vladislav. Exact algorithm of multidimensional circulant deconvolution. In *Applied Mathematics and Computation*, 2005, vol. 164, no. 1, p. 155-166.

Ohlasy:

[1.1] JIANG, Zhaolin. On the Minimal Polynomials and the Inverses of Multilevel Scaled Factor Circulant Matrices. In ABSTRACT AND APPLIED ANALYSIS. ISSN 1085-3375, 2014., WOS

[1.1] MICOLAU, G. - POSTEL-PELLERIN, J. - LAFFONT, R. - LALANDE, F. - LE ROUX, C. - OGIER, J.L. An evaluation of the extrinsic cells number in a memory array using cross-correlation products and deconvolution: an instance of a microelectronics experimental inverse problem. In INVERSE PROBLEMS IN SCIENCE AND ENGINEERING, 2011, vol.19, no.8, 1043., WOS

ADCA683 MORHÁČ, Miroslav - MATOUŠEK, Vladislav. High-resolution boosted deconvolution of spectroscopic data. In *Journal of Computational and Applied*

Mathematics, 2011, vol. 235, p. 1629-1640. (1.029 - IF2010). (2011 - Current Contents). ISSN 0377-0427.

Ohlasy:

[1.1] AZADBAKHT, Mohsen - FRASER, Clive S. - ZHANG, Chunsun - LEACH, Joseph. CROSS-SECTION RETRIEVAL FROM FULL-WAVEFORM LIDAR USING SPARSE SOLUTIONS. In 2014 IEEE INTERNATIONAL GEOSCIENCE AND REMOTE SENSING SYMPOSIUM (IGARSS). ISSN 2153-6996, 2014, pp. 1959-1962., WOS

[1.1] KHILKEVITCH, E. M. - SHEVELEV, A. E. - CHUGUNOV, I. N. - NAIDENOV, V. O. - GIN, D. B. - DOINIKOV, D. N. Application of deconvolution methods to gamma-radiation spectra of thermonuclear plasma. In TECHNICAL PHYSICS LETTERS. ISSN 1063-7850, 2013, vol. 39, no. 1, pp. 63., WOS

[1.1] LI LEI - TUO XIAN-GUO - LIU MING-ZHE - WANG JUN. High-resolution boosted reconstruction of gamma-ray spectra. In NUCLEAR SCIENCE AND TECHNIQUES. ISSN 1001-8042, 2014, vol. 25, no. 5, 050202., WOS

[1.1] XIONG, Yanwei - SHI, Yuejiang - LI, Yingying - FU, Jia - LU, Bo - ZHANG, Hongming - WANG, Xiaoguang - WANG, Fudi - SHEN, Yongcai. A quantitative evaluation of various deconvolution methods and their applications in the deconvolution of plasma spectra. In PHYSICA SCRIPTA. ISSN 0031-8949, 2013, vol. 87, no. 6, 065402., WOS

ADCA684 MORHÁČ, Miroslav - KLIMAN, Ján - MATOUŠEK, Vladislav - VESELSKÝ, Martin - TURZO, Ivan. Identification of peaks in multidimensional coincidence γ -ray spectra. In *Nuclear Instruments and Methods in Physics Research A*, 2000, vol. 443, no. 1, p. 108-125. (0.920 - IF1999). (2000 - Current Contents). ISSN 0168-9002.

Ohlasy:

[1.1] ACKERMANN, M. In ASTROPHYSICAL JOURNAL, 2013, vol. 771, 57., WOS

[1.1] ADRIANI, O. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A, 2013, vol. 28, 1330036., WOS

[1.1] ADRIANI, O. In PHYSICAL REVIEW D, vol. 86, 2012, 092001., WOS

[1.1] AMARE, J. et al. In OPTICAL MATERIALS, 2014, vol. 36, pp. 1408., WOS

[1.1] CUESTA, C. et al. In EUROPEAN PHYSICAL JOURNAL C, 2014, vol. 74, 3150., WOS

[1.1] DONALDSON-MATASCI, C. In ANIMAL BEHAVIOUR, 2013, vol. 85, pp. 585., WOS

[1.1] HOEH, C. - SHAMIR, L. In ASTRONOMISCHE NACHRICHTEN, 2014, vol. 335, pp. 189., WOS

[1.1] CHEKANOV, S.V. In ADVANCES IN HIGH ENERGY PHYSICS, 2013, 162986., WOS

[1.1] IVLEVA, N.P. In ANALYTICAL AND BIOANALYTICAL CHEMISTRY, 2013, vol. 405, pp. 9071., WOS

[1.1] LAU, F.W.Y. In IEEE TRANSACTIONS OF NUCLEAR SCIENCE, vol. 59, 2012, pp. 1815., WOS

[1.1] MICELI, A. et al. In JOURNAL OF ANALYTICAL ATOMIC

SPECTROMETRY, 2014, vol. 29, pp. 1897., WOS
 [1.1] MITSUKA, G. In EPJ WEB OF CONFERENCES, 2013, vol. 53., WOS
 [1.1] NOVIKOV, K. et al. In JOURNAL OF PHYSICS CONFERENCE SERIES, 2014, vol. 515, 012016., WOS
 [1.1] PAL, S.K. In NUCLEAR INSTRUMENTS AND METHODS A, vol. 693, 2012, pp. 285., WOS
 [1.1] SHAMIR, L. Ganalyzer a tool for automatic galaxy. In ASTROPHYSICAL JOURNAL, 2011, vol. 736, 141., WOS
 [1.1] SOTO, O. et al. In NUCLEAR INSTRUMENTS AND METHODS IN PHYSICS A, 2014, vol. 739, pp. 89., WOS
 [1.1] SOTO, O. In IEEE INSTRUMENTATION AND MEASUREMENT TECHNOLOGY CONFERENCE (I2MTC).Ed. by A. FERRERO. 2013, pp. 157-161., WOS
 [1.1] SOTO, O. In NUCLEAR INSTRUMENTS AND METHODS A, 2013, vol. 732, pp. 431-436., WOS

ADCA685 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.

Ohlasy:

[1.1] REINHARDT, Sascha. FULL SPECTRUM ANALYSIS IN ENVIRONMENTAL MONITORING. In RADIATION PROTECTION DOSIMETRY. ISSN 0144-8420, 2014, vol. 160, no. 4, pp. 311., WOS
 [1.2] TSABARIS, C. - PROSPATHOPOULOS, A. Automated quantitative analysis of in-situ NaI measured spectra in the marine environment using a wavelet-based smoothing technique. In *Applied Radiation and Isotopes*, 2011, vol.69, no.10, 1546-1553., SCOPUS

ADCA686 MORHÁČ, Miroslav - MORHÁČOVÁ, E. Monte Carlo simulation algorithms of grain growth in polycrystalline materials. In *Crystal Research and Technology*, 2000, vol. 35, p. 117-128.

Ohlasy:

[1.1] AYAD, Abdelhak - ROUAG, Nadjet - PALMIERE, EJ - WYNNE, BP. Effect Of Matrix Size And Neighbour Sites On Microstructure Evolution In 3D Monte Carlo Grain Growth Simulation. In RECRYSTALLIZATION AND GRAIN GROWTH IV. ISSN 0255-5476, 2012, vol. 715-716, pp. 872., WOS
 [1.1] TENGGEN, T. B. The response of the statistics of the cumulative features on grains in nanomaterials to different grain growth phenomena. In INTERNATIONAL JOURNAL OF MECHANICS AND MATERIALS IN DESIGN. ISSN 1569-1713, 2012, vol. 8, no. 2, pp. 101., WOS
 [1.1] TYAGI, Manav - GIMMI, Thomas - CHURAKOV, Sergey V. Multi-scale micro-structure generation strategy for up-scaling transport in clays. In ADVANCES IN WATER RESOURCES. ISSN 0309-1708, 2013, vol. 59, pp. 181., WOS
 [1.1] ZOELLNER, D. A new point of view to determine the simulation temperature for the Potts model simulation of grain growth. In COMPUTATIONAL MATERIALS SCIENCE. ISSN 0927-0256, 2014, vol. 86, pp. 99., WOS

- ADCA687 MORHÁČ, Miroslav. Multidimensional peak searching algorithm for low-statistics nuclear spectra. In *Nuclear Instruments and Methods in Physics Research*, 2007, vol. 581, no. 3, p. 821-830. (1.185 - IF2006). ISSN 0168-9002.
Ohlasy:
[1.1] DE ROOI, J. - EILERS, P. Deconvolution of pulse trains with the L 0 penalty. In *Analytica Chimica Acta*, 2011, vol.705, no.1-2, 218-226., WOS
[1.1] XU HONGKUN - FANG FANG - NI SHIJUN - HE JIANFENG - YOU LEI. Gamma-Ray Spectrum Analysis of Chang'E-1 for Lunar Detection. In *JOURNAL OF ENGINEERING FOR GAS TURBINES AND POWER-TRANSACTIONS OF THE ASME*, 2011, vol.133, no.5, 052912., WOS
- ADCA688 MORHÁČ, Miroslav - KLIMAN, Ján - MATOUŠEK, Vladislav - TURZO, Ivan. Multiparameter nuclear spectroscopic data acquisition and analysis package. In *Applied Spectroscopy*, 1997, vol. 51, no. 9, p. 1415-1422. ISSN 0003-7028.
Ohlasy:
[1.2] FOIST, R.B. - SCHULZE, H.G. - IVANOV, A. - TURNER, R.F.B. Noise reduction methods applied to two-dimensional correlation spectroscopy (2D-COS) reveal complementary benefits of pre- and post-treatment. In *Applied Spectroscopy*, 2011, vol.65, no.5, 474-487., SCOPUS
- ADCA689 MORHÁČ, Miroslav - MATOUŠEK, Vladislav. Peak clipping algorithms for background estimation in spectroscopic data. In *Applied Spectroscopy*, 2008, vol. 62, no. 1, p. 91-106. ISSN 0003-7028.
Ohlasy:
[1.1] CALIANDRO, Rocco - CARROZZINI, Benedetta - CASCARANO, Giovanni Luca - COMUNALE, Giuliana - GIACOVAZZO, Carmelo - MAZZONE, Annamaria. Protein phasing at non-atomic resolution by combining Patterson and VLD techniques. In *ACTA CRYSTALLOGRAPHICA SECTION D-BIOLOGICAL CRYSTALLOGRAPHY*. ISSN 1399-0047, 2014, vol. 70, pp. 1994., WOS
[1.1] CALIANDRO, Rocco - DI PROFIO, Gianluca - NICOLOTTI, Orazio. Multivariate analysis of quaternary carbamazepine-saccharin mixtures by X-ray diffraction and infrared spectroscopy. In *JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS*. ISSN 0731-7085, 2013, vol. 78-79, pp. 269., WOS
[1.1] HO, Jun-Ying - LIU, Ting-Yu - WEI, Jiun-Chiou - WANG, Juen-Kai - WANG, Yuh-Lin - LIN, Jiang-Jen. Selective SERS Detecting of Hydrophobic Microorganisms by Tricomponent Nanohybrids of Silver-Silicate-Platelet-Surfactant. In *ACS APPLIED MATERIALS & INTERFACES*. ISSN 1944-8244, 2014, vol. 6, no. 3, pp. 1541., WOS
[1.1] KOURKOUMELIS, Nikolaos. Continuum determination in spectroscopic data by means of topological concepts and Fourier filtering. In *NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT*. ISSN 0168-9002, 2012, vol. 691, pp. 1-4., WOS
[1.1] LIU, Xinbo - ZHANG, Zhimin - SOUSA, Pedro F. M. - CHEN, Chen - OUYANG, Meilan - WEI, Yangchao - LIANG, Yizeng - CHEN, Yong - ZHANG, Chaoping. Selective iteratively reweighted quantile regression for baseline correction. In *ANALYTICAL AND BIOANALYTICAL CHEMISTRY*.

ISSN 1618-2642, 2014, vol. 406, no. 7, pp. 1985., WOS

[1.1] LIU, Xinbo - ZHANG, Zhimin - LIANG, Yizeng - SOUSA, Pedro F. M. - YUN, Yonghuan - YU, Ling. Baseline correction of high resolution spectral profile data based on exponential smoothing. In CHEMOMETRICS AND INTELLIGENT LABORATORY SYSTEMS. ISSN 0169-7439, 2014, vol. 139, pp. 97., WOS

[1.1] VU DANG HOANG - NGUYEN PHUONG NHUNG - ABOUL-ENEIN, Hassan Y. Recent Developments and Applications of Derivative Spectrophotometry in Pharmaceutical Analysis. In CURRENT PHARMACEUTICAL ANALYSIS. ISSN 1573-4129, 2013, vol. 9, no. 3, pp. 261., WOS

[1.1] XU, H. Gamma-ray spectrum analysis. In JOURNAL OF ENGINEERING FOR GAS TURBINES AND POWER, 2011, vol. 133, no. 5, 052912., WOS

[1.1] ZENG, Guoqiang - TAN, Chengjun - GE, Liangquan - ZHANG, Qingxian - GU, Yi. Frequency spectrum analysis for spectrum stabilization in airborne gamma-ray spectrometer. In APPLIED RADIATION AND ISOTOPES. ISSN 0969-8043, 2014, vol. 85, pp. 70., WOS

ADCA690 MORHÁČ, Miroslav - KLIMAN, Ján - JANDEL, Marián - KRUPA, L. - MATOUŠEK, Vladislav. Study of fitting algorithms applied to simultaneous analysis of large numbers of Peaks in gama-ray spectra. In *Applied Spectroscopy*, 2003, vol. 57, no. 7, p.753-760.

Ohlasy:

[1.1] PRECLIKOVA, J. Excitation of Rydberg wave packets. In PHYSICAL REVIEW A, vol. 86, 2012, 063418., WOS

ADCA691 MOSER, A. - SALZMANN, I. - OEHZELT, M. - NEUHOLD, A. - FLESCH, 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. (2.145 - IF2012). (2013 - Current Contents). ISSN 0009-2614.

Ohlasy:

[1.1] EHMANN, Heike M. A. - BAUMGARTNER, Ramona - KUNERT, Birgit - ZIMMER, Andreas - ROBLEGG, Eva - WERZER, Oliver. Morphologies of Phenytoin Crystals at Silica Model Surfaces: Vapor Annealing versus Drop Casting. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2014, vol. 118, no. 24, pp. 12855-12861., WOS

[1.1] EHMANN, Heike M. A. - KELLNER, Thomas - WERZER, Oliver. Non-contact-mode AFM induced versus spontaneous formed phenytoin crystals: the effect of layer thickness. In CRYSTENGCOMM. ISSN 1466-8033, 2014, vol. 16, no. 23, pp. 4950-4954., WOS

[1.1] HOERMANN, Ulrich - LORCH, Christopher - HINDERHOFER, Alexander - GERLACH, Alexander - GRUBER, Mark - KRAUS, Julia - SYKORA, Benedikt - GROB, Stefan - LINDERL, Theresa - WILKE, Andreas - OPITZ, Andreas - HANSSON, Rickard - ANSELMO, Ana Sofia - OZAWA, Yusuke - NAKAYAMA, Yasuo - ISHII, Hisao - KOCH, Norbert - MOONS, Ellen - SCHREIBER, Frank - BRUETTIG, Wolfgang. V-oc from a Morphology Point of View: the Influence of Molecular Orientation on the Open Circuit Voltage of Organic Planar Heterojunction Solar Cells. In JOURNAL OF

PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2014, vol. 118, no. 46, pp. 26462-26470., WOS

[1.1] SALAMMAL, Shabi Thankaraj - BALANDIER, Jean-Yves - ARLIN, Jean-Baptiste - OLIVIER, Yoann - LEMAUR, Vincent - WANG, Linjun - BELJONNE, David - CORNIL, Jerome - KENNEDY, Alan Robert - GEERTS, Yves Henri - CHATTOPADHYAY, Basab. Polymorphism in Bulk and Thin Films: The Curious Case of Dithiophene-DPP(Boc)-Dithiophene. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2014, vol. 118, no. 1, pp. 657-669., WOS

ADCA692 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, pp.63-68. (1.530 - IF2008). ISSN 0364-5916. Ohlasy:

[1.1] ALCHAGIROV, B.B. - DADASHEV, R.K. - DYSHEKOVA, F.F. - ELIMKHANOV, D.Z. The surface tension of indium: Methods and results of investigations. In HIGH TEMPERATURE. ISSN 0018-151X, NOV 2014, vol. 52, no. 6, p. 920-938., WOS

[1.1] YU, A.M. - KIM, M.S. - LEE, C.W. - LEE, J.H. Wetting and interfacial reaction characteristics of Sn-1.2Ag-0.5Cu-xIn quaternary solder alloys. In METALS AND MATERIALS INTERNATIONAL. ISSN 1598-9623, JUN 2011, vol. 17, no. 3, p. 521-526., WOS

[1.2] CHEN, Jianxun - ZHAO, Xingke - LIU, Dayong - HUANG, Jihua - ZOU, Xuchen. Research development of SnAgCu system lead-free solders in electronics packing. In *Cailiao Gongcheng/Journal of Materials Engineering*. ISSN 10014381, 2013-09-01, 9, pp. 91-98., SCOPUS

ADCA693 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.

Ohlasy:

[1.1] AI, Jian-Feng - ZHANG, Jian-Song - CHEN, Ai-Xi. TRANSMITTING BIPARTITE AND MULTIPARTITE CORRELATIONS VIA SPIN CHAINS UNDER PHASE DECOHERENCE. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION. ISSN 0219-7499, 2012, vol. 10, no. 6, 1250073., WOS

[1.1] CAI, Jiang-Tao - ABLIZ, Ahmad - LI, Shu-Shen. Various Correlations in a Two-Qubit Heisenberg XXZ Spin System Both in Thermal Equilibrium and Under the Intrinsic Decoherence. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2013, vol. 52, no. 2, pp. 576., WOS

[1.1] DAEIMOHAMMAD, M. - MOHAMMADI, M. Influence of Lamb Shift Parameter on Dissipative Dynamics of the Phase Damped Jaynes-Cummings Model with Gravity Under Markovian Approximation. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2013, vol. 52, no. 11, pp. 3927., WOS

[1.1] DE LOS SANTOS-SANCHEZ, O. - RECAMIER, J. The f-deformed Jaynes-Cummings model and its nonlinear coherent states. In JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS. ISSN

0953-4075, 2012, vol. 45, no. 1, 015502., WOS

[1.1] GUO, Jin-Liang - LI, Zai-Dong - SUN, Yu-Bao. Pairwise entanglement in the Heisenberg XX model with three-site interactions. In OPTICS COMMUNICATIONS, 2011, vol.284, no.5, 1461., WOS

[1.1] HE, Qi-Liang - XU, Jing-Bo. Enhancement of stationary state quantum discord in Tavis-Cummings model by nonlinear Kerr-like medium. In OPTICS COMMUNICATIONS, 2011, vol.284, no.14, 3649., WOS

[1.1] HOU, Xi-Wen - WAN, Ming-Fang - MA, Zhong-Qi. Tripartite entanglement dynamics for mixed states in the Tavis-Cummings model with intrinsic decoherence. In EUROPEAN PHYSICAL JOURNAL D. ISSN 1434-6060, 2012, vol. 66, no. 6, 152., WOS

[1.1] CHEN YA - ZHU SHI-QUN. Entanglement and Fidelity of a Spin Ladder with Dzyaloshinsky-Moriya Interaction. In COMMUNICATIONS IN THEORETICAL PHYSICS, 2011, vol.56, no.6, 1016., WOS

[1.1] CHEN, Ai Min - CHO, Sam Young - KIM, Mun Dae. Implementation of a three-qubit Toffoli gate in a single step. In PHYSICAL REVIEW A. ISSN 1050-2947, 2012, vol. 85, no. 3, 032326., WOS

[1.1] MOHAMED, Abdel-Baset A. GEOMETRIC MEASURE OF NONLOCALITY AND QUANTUM DISCORD OF TWO CHARGE QUBITS WITH PHASE DECOHERENCE AND DIPOLE-DIPOLE INTERACTION. In REPORTS ON MATHEMATICAL PHYSICS. ISSN 0034-4877, 2013, vol. 72, no. 1, pp. 121., WOS

[1.1] MOHAMED, A.B. A. Pairwise quantum correlations of a three-qubit XY chain with phase decoherence. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2013, vol. 12, no. 2, pp. 1141., WOS

[1.1] MOHAMMADI, H. - AKHTARSHENAS, S. J. - KHEIRANDISH, F. Influence of dephasing on the entanglement teleportation via a two-qubit Heisenberg XYZ system. In EUROPEAN PHYSICAL JOURNAL D, 2011, vol.62, no.3, 439., WOS

[1.1] OBADA, A.-MOHAMED, A. In OPTICS COMMUNICATIONS, 2013, vol. 309, pp. 236-241., WOS

[1.1] QIU, L. In COMMUNICATIONS IN THEORETICAL PHYSICS, 2013, vol. 60, pp. 391-396., WOS

[1.1] TURSUN, Mamtimin - ABLIZ, Ahmad - MAMTIMIN, Rabigul - ABLIZ, Ablimit - QIAO PAN-PAN. Various Correlations in the Anisotropic Heisenberg XYZ Model with Dzyaloshinski-Moriya Interaction. In CHINESE PHYSICS LETTERS. ISSN 0256-307X, 2013, vol. 30, no. 3, 030303., WOS

[1.1] YU, Ri-Min - YANG, Guo-Hui. Steady Quantum Discord Behavior for Two Qubits Heisenberg XYZ Chain with Intrinsic Decoherence. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2013, vol. 52, no. 5, pp. 1621., WOS

[1.1] ZHENG QIANG - XIE XIAO-YAO - ZHI QI-JUN - REN ZHONG-ZHOU. Controllable Amplification of Entanglement for Two Qutrits under Decoherence. In COMMUNICATIONS IN THEORETICAL PHYSICS, 2011, vol.55, no.4, 569., WOS

[1.2] DALEY, Andrew J. - DALEY, Andrew J. Quantum trajectories and open many-body quantum systems. In Advances in Physics. ISSN 00018732, 2014-03-04, 63, 2, pp. 77-149., SCOPUS

[1.2] GUO, Zhanying - GUO, Zhanying - ZHANG, Xinhai - XIAO, Ruihua - FANG, Jianxing - HU, Jie. Dynamics of quantum entanglement in a two-qubit

XXZ Heisenberg system. In *Guangxue Xuebao/Acta Optica Sinica*. ISSN 02532239, 2014-01-01, 34, 7., SCOPUS

[1.2] HESSIAN, H. A. - HESSIAN, H. A. - MOHAMED, A. B A - MOHAMED, A. B A. Purity loss and degradation of qubit-field correlations and entanglement due to phase noise in nonlinear interaction. In *Optics and Spectroscopy* (English translation of *Optika i Spektroskopiya*). ISSN 0030400X, 2014-01-01, 117, 3, pp. 474-479., SCOPUS

[1.2] MARTÍN RUIZ, A. - FRANK, Alejandro - FRANK, Alejandro - URRUTIA, L. F. - URRUTIA, L. F. An $SU(2) \otimes SU(2)$ Jaynes-Cummings model with a maximum energy level. In *Physica Scripta*. ISSN 00318949, 2014-01-01, 89, 4, 045103., SCOPUS

[1.2] SHEN, Cheng Gao - ZHANG, Guo Feng - FAN, Kai Ming - ZHU, Han Jie. Measurement-induced disturbance in Heisenberg XY spin model with Dzialoshinskii Moriya interaction under intrinsic decoherence. In *Chinese Physics B*. ISSN 16741056, 2014-01-01, 23, 5, 050310., SCOPUS

[1.2] ZHENG, Qiang - YI, Shan Feng - HU, Chang Gang. Phase transition of Bose Einstein condensate under decoherence. In *Chinese Physics B*. ISSN 16741056, 2014-02-01, 23, 2, 026401., SCOPUS

[1.2] ZIDAN, Nour. Quantum teleportation via two-qubit Heisenberg XYZ chain. In *Canadian Journal of Physics*. ISSN 00084204, 2014-01-01, 92, 5, pp. 406-410., SCOPUS

ADCA694 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. (3.075 - IF2004). (2005 - Current Contents). ISSN 1098-0121.

Ohlasy:

[1.1] MIL&APOS;NIKOV, Gennady - MORI, Nobuya. Random evolution approach to universal conductance statistics. In *PHYSICAL REVIEW B*. ISSN 1098-0121, 2013, vol. 87, no. 3, 035434., WOS

[1.1] MIL&APOS;NIKOV, Gennady - MORI, Nobuya. Universal conductance statistics in a backscattering model: Solving the Dorokhov-Mello-Pereyra-Kumar equation with $\beta=1, 2$, and 4 . In *PHYSICAL REVIEW B*. ISSN 1098-0121, 2013, vol. 88, no. 15, 155406., WOS

[1.1] VIVO, Pierpaolo. Largest Schmidt eigenvalue of random pure states and conductance distribution in chaotic cavities. In *JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT*, 2011., WOS

[1.1] VIVO, Pierpaolo. Largest Schmidt eigenvalue of random pure states and conductance distribution in chaotic cavities. In *JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT*, 2011, P01022., WOS

ADCA695 NÁDAŽDY, Vojtech - DURNÝ, R. - THURZO, Ilja - PINČÍK, Emil - NISHIDA, A. - SHIMIZU, J. - KUMEDA, M. - SHIMIZU, T. Correlation between the results of charge deep-level transient spectroscopy and ESR techniques for undoped hydrogenated amorphous silicon. In *Physical Review B*, 2002, vol. 66, no. 19, 195211. (3.070 - IF2001). (2002 - Current Contents, WOS, SCOPUS). ISSN 1098-0121.

Ohlasy:

[1.1] EMELYANOV, A. V. - KONSTANTINOVA, E. A. - FORSH, P. A. -

KAZANSKII, A. G. - KHENKIN, M. V. - PETROVA, N. N. - TERUKOV, E. I. - KIRILENKO, D. A. - BERT, N. A. - KONNIKOV, S. G. - KASHKAROV, P. K. Features of the structure and defect states in hydrogenated polymorphous silicon films. In JETP LETTERS. ISSN 0021-3640, 2013, vol. 97, no. 8, pp. 466., WOS

[1.1] POMONI, M. - KOUNAVIS, P. Determination of trapping-detrapping events, recombination processes and gap-state parameters by modulated photocurrent measurements on amorphous silicon. In PHILOSOPHICAL MAGAZINE. ISSN 1478-6435, 2014, vol. 94, no. 21, pp. 2447., WOS

[1.2] DARWICH, R. - ROCA I CABARROCAS, P. Characterization of defects in hydrogenated amorphous silicon deposited on different substrates by capacitance techniques. In Thin Solid Films, 2011, vol.519, no.16, 5473-5480., SCOPUS

ADCA696 NÁDAŽDY, Vojtech - DURNÝ, R. - ZEMAN, Milan. Defect-state engineering in a-Si: H: An effective tool for studying processes during light-induced degradation. In *Journal of Non-Crystalline Solids*, 2006, vol. 352, no. 9-20, p. 1059-1063. (1.264 - IF2005). (2006 - Current Contents, SCOPUS). ISSN 0022-3093.

Ohlasy:

[1.1] SHARMA, Sanjeev K. - IM, Hyunsik - KIM, Deuk Young - MEHRA, R. M. Review on Se-and S-doped hydrogenated amorphous silicon thin films. In INDIAN JOURNAL OF PURE & APPLIED PHYSICS. ISSN 0019-5596, 2014, vol. 52, no. 5, pp. 293., WOS

[1.2] SHARMA, S.K. - GUPTA, H. - PUROHIT, L.P. - KUMAR, K.-N.P. - KIM, B. - KUMAR, R. - MEHRA, R.M. Optical properties of Se or S-doped hydrogenated amorphous silicon thin films with annealing temperature and dopant concentration. In Journal of Alloys and Compounds, 2011, vol.509, no.7, 3338-3342., SCOPUS

ADCA697 NÁDAŽDY, Vojtech - DURNY, 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] DARWICH, R. - ROCA I CABARROCAS, P. Characterization of defects in hydrogenated amorphous silicon deposited on different substrates by capacitance techniques. In THIN SOLID FILMS, 2011, vol.519, no.16, 5473., WOS

[1.1] DARWICH, R. - ROCA I CABARROCAS, P. High deposition rate hydrogenated polymorphous silicon characterized by different capacitance techniques. In THIN SOLID FILMS, 2011, vol.519, no.16, 5364., WOS

[1.1] STEINGRUBE, S. - BRENDDEL, R. - ALTERMATT, P. P. Limits to model amphoteric defect recombination via SRH statistics. In PHYSICA STATUS SOLIDI A-APPLICATIONS AND MATERIALS SCIENCE. ISSN 1862-6300, 2012, vol. 209, no. 2, pp. 390., WOS

ADCA698 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. (3.977 - IF2006). (2007 - Current Contents, SCOPUS). ISSN 0003-6951.

Ohlasy:

- [1.1] GORGOLIS, S. - GIANNOPOULOU, A. - KOUNAVIS, P. Charge carriers' trapping states in pentacene films studied by modulated photocurrent. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2013, vol. 113, no. 12, 123102., WOS
- [1.1] JEONG, Seung-Hyeon - SONG, Chung Kun. Energetic distribution of interface states extracted from photo-conductance of organic thin film transistors. In ORGANIC ELECTRONICS. ISSN 1566-1199, 2014, vol. 15, no. 10, pp. 2599., WOS
- [1.1] LEE, Keanchuan - WEIS, Martin - MANAKA, Takaaki - IWAMOTO, Mitsumasa. Conservation of the injection and transit time ratio in organic field-effect transistors: A thermally accelerated aging study. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2012, vol. 111, no. 10, 104505., WOS
- [1.1] LEE, Keanchuan - WEIS, Martin - MANAKA, Takaaki - IWAMOTO, Mitsumasa. Multiple-trapping in pentacene field-effect transistors with a nanoparticles self-assembled monolayer. In AIP ADVANCES. ISSN 2158-3226, 2012, vol. 2, no. 2, 022128., WOS
- [1.1] LEE, Keanchuan - WEIS, Martin - TAGUCHI, Dai - MANAKA, Takaaki - IWAMOTO, Mitsumasa. Memory effect in organic transistor: Controllable shifts in threshold voltage. In CHEMICAL PHYSICS LETTERS. ISSN 0009-2614, 2012, vol. 551, pp. 105., WOS
- [1.1] SHARMA, Akanksha - YADAV, Sarita - KUMAR, Pramod - CHAUDHURI, Sumita Ray - GHOSH, Subhasis. Defect states and their energetic position and distribution in organic molecular semiconductors. In APPLIED PHYSICS LETTERS. ISSN 0003-6951, 2013, vol. 102, no. 14, 143301., WOS
- [1.1] TARDY, Jacques - EROUEL, Mohsen. Stability of pentacene transistors under concomitant influence of water vapor and bias stress. In MICROELECTRONICS RELIABILITY. ISSN 0026-2714, 2013, vol. 53, no. 2, pp. 274., WOS
- [1.1] TSAI, Tzung-Da - CHANG, Jer-Wei - WANG, Cheng-Guang - LIN, Ming-Wei - GUO, Tzung-Fang - WEN, Ten-Chin - CHANG, Jung-Hung - WU, Chih-I. The origins in the transformation of ambipolar to n-type pentacene-based organic field-effect transistors. In ORGANIC ELECTRONICS. ISSN 1566-1199, 2014, vol. 15, no. 8, pp. 1759., WOS
- [1.1] TSAO, Hou-Yen - LIN, Yow-Jon. Electronic properties of annealed pentacene films in air at various temperatures up to 400 K. In APPLIED PHYSICS LETTERS. ISSN 0003-6951, 2012, vol. 101, no. 11, 113306., WOS
- [1.2] HUANG, B.-C. - LIN, Y.-J. Effect of the induced electron traps by oxygen plasma treatment on transfer characteristics of organic thin film transistors. In Applied Physics Letters, 2011, vol.99, no.11, 11301., SCOPUS
- [1.2] KUMAR, P. - SHARMA, A. - RAY CHAUDHURI, S. - GHOSH, S. Effect of deep traps on small molecule based thin film transistors. In Applied Physics Letters, 2011, vol.99, no.17, 17304., SCOPUS
- [1.2] MCMAHON, D.P. - TROISI, A. Persistence time of charge carriers in defect states of molecular semiconductors. In Physical Chemistry Chemical Physics, 2011, vol.13, no.21, 10241-10248., SCOPUS
- [1.2] SHARMA, A. - KUMAR, P. - SINGH, B. - CHAUDHURI, S.R. -

GHOSH, S. Capacitance-voltage characteristics of organic Schottky diode with and without deep traps. In *Applied Physics Letters*, 2011, vol.99, no.2, 023301., SCOPUS

[1.2] SIMEONE, D. - RAPISARDA, M. - FORTUNATO, G. - VALLETTA, A. - MARIUCCI, L. Influence of structural properties on environmental stability of pentacene thin film transistors. In *Organic Electronics: physics, materials, applications*, 2011, vol.12, no.3, 447-452., SCOPUS

ADCA699 NÁDAŽDY, Vojtech - DURNY, R. - THURZO, Ilja - PINČÍK, Emil. New experimental facts on the Staebler-Wronski effect. In *Journal of Non-Crystalline Solids*, 1998, vol. 227, p. 316-319. (1.017 - IF1997). (1998 - Current Contents, WOS, SCOPUS). ISSN 0022-3093.

Ohlasy:

[1.1] LIN, Yang-Shih - LIEN, Shui-Yang - WANG, Chao-Chun - LIU, Chueh-Yang - NAUTIYAL, Asheesh - WUU, Dong-Sing - TSAI, Pi-Chuen - CHEN, Chia-Fu - LEE, Shuo-Jen. Power effect of ZnO:Al film as back reflector on the performance of thin-film solar cells. In *JOURNAL OF VACUUM SCIENCE & TECHNOLOGY A*. ISSN 0734-2101, 2012, vol. 30, no. 1, 011302., WOS

[1.1] SOLAR, C. Optimization of recombination in tunnel junction. In *INTERNATIONAL JOURNAL OF PHOTOENERGY*, 2011, 264709., WOS

ADCA700 NÁDAŽDY, Vojtech - ZEMAN, M. Origin of charged gap states in a-Si: H and their evolution during light soaking. In *Physical Review B*, 2004, vol. 69, no. 16, 165213. (2.962 - IF2003). (2004 - Current Contents, WOS, SCOPUS). ISSN 1098-0121.

Ohlasy:

[1.1] DARWICH, R. High deposition rate. In *THIN SOLID FILMS*, 2011, vol. 519, p. 5364., WOS

[1.1] DARWICH, R. Characterization of defects . In *THIN SOLID FILMS*, 2011, vol. 519, p. 5473., WOS

[1.1] POMONI, M.- KOUNAVIS, P. In *PHILOSOPHICAL MAGAZINE*, 2014, vol. 94, no. 21, pp. 2447-2471., WOS

ADCA701 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. (1.630 - IF1997). (1998 - Current Contents, SCOPUS). ISSN 0021-8979.

Ohlasy:

[1.1] OKADA, H. In *JAPANESE JOURNAL OF APPLIED PHYSICS*, 2011, vol. 50, 020203., WOS

[1.1] YAKUSHEV, Michael V. - VOLKOV, Vladimir A. - OGORODNIKOV, Ilya I. - IVANOV, Vladimir U. Ion channeling in CuInSe₂ single crystals. In *NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS*. ISSN 0168-583X, 2013, vol. 299, pp. 24., WOS

ADCA702 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] LEE, Troy - MITTAL, Rajat - REICHARDT, Ben W. - SPALEK, Robert - SZEGEDY, Mario - OSTROVSKY, R. Quantum query complexity of state conversion. In 2011 IEEE 52ND ANNUAL SYMPOSIUM ON FOUNDATIONS OF COMPUTER SCIENCE (FOCS 2011), 2011, p. 344-353., WOS

[1.1] REICHARDT, Ben W. Reflections for quantum query algorithms. In PROCEEDINGS OF THE TWENTY-SECOND ANNUAL ACM-SIAM SYMPOSIUM ON DISCRETE ALGORITHMS, 2011, p. 560-569., WOS

[1.1] SCHWARZ, Martin - TEMME, Kristan - VERSTRAETE, Frank. Preparing Projected Entangled Pair States on a Quantum Computer. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2012, vol. 108, no. 11, 110502., WOS

ADCA703 NAGAJ, Daniel. Fast universal quantum computation with railroad-switch local Hamiltonians. In *Journal of Mathematical Physics*, 2010, vol. 51, no. 6, 062201. (1.318 - IF2009). (2010 - Current Contents). ISSN 0022-2488.

Ohlasy:

[1.1] BABBUSH, Ryan - LOVE, Peter J. - ASPURU-GUZI, Alan. Adiabatic Quantum Simulation of Quantum Chemistry. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2014, vol. 4, UNSP 6603., WOS

[1.1] BREUCKMANN, Nikolas P. - TERHAL, Barbara M. Space-time circuit-to-Hamiltonian construction and its applications. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2014, vol. 47, no. 19, 195304., WOS

[1.1] DE FALCO, Diego - TAMASCELLI, Dario. Dissipative dynamics of a spin system with three-body interaction. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL, 2011, vol.44, no.32., WOS

[1.1] DE FALCO, Diego - TAMASCELLI, Dario. Time-dependent density-functional theory for open spin chains. In PHYSICAL REVIEW A. ISSN 1050-2947, 2012, vol. 85, no. 2, 022341., WOS

[1.1] DE FALCO, Diego - TAMASCELLI, Dario. Noise-assisted quantum transport and computation. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2013, vol. 46, no. 22, 225301., WOS

[1.1] MCCLEAN, Jarrod R. - BABBUSH, Ryan - LOVE, Peter J. - ASPURU-GUZI, Alan. Exploiting Locality in Quantum Computation for Quantum Chemistry. In JOURNAL OF PHYSICAL CHEMISTRY LETTERS. ISSN 1948-7185, 2014, vol. 5, no. 24, pp. 4368., WOS

ADCA704 NAGAJ, Daniel - WOCJAN, P. Hamiltonian quantum cellular automata in 1D. In *Physical Review A*, 2008, vol. 78, no. 3, 032311. (2.893 - IF2007). (2008 - Current Contents). ISSN 1050-2947.

Ohlasy:

[1.1] ARRIGHI, P. In JOURNAL OF COMPUTER AND SYSTEM SCIENCES, vol. 78, 2012, p. 1833-1898., WOS

[1.1] BLEH, D. Quantum game of life. In EPL, vol. 97, no. 2, 2012, 20012., WOS

[1.1] ZOBOV, V.E. On time-optimal NMR. In JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS, 2011, vol. 113, no. 2, p. 181-191., WOS

ADCA705 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. (3.172 - IF2007). (2008 - Current Contents, WOS, SCOPUS). ISSN 1098-0121.

Ohlasy:

[1.1] ALBA, Vincenzo - TAGLIACOZZO, Luca - CALABRESE, Pasquale. Entanglement entropy of two disjoint intervals in $c=1$ theories. In JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT, 2011, no. P06012, WOS

[1.1] BAEK, Seung Ki - UM, Jaegon - DO YI, Su - KIM, Beom Jun. Quantum Monte Carlo study of the transverse-field quantum Ising model on infinite-dimensional structures. In PHYSICAL REVIEW B, 2011, vol.84, no.17., WOS

[1.1] JI, Zhengfeng - WEI, Zhaohui - ZENG, Bei. Complete characterization of the ground-space structure of two-body frustration-free Hamiltonians for qubits. In PHYSICAL REVIEW A, 2011, vol.84, no.4., WOS

[1.1] NAGY, Adam. Exploring phase transitions by finite-entanglement scaling of MPS in the 1D ANNNI model. In NEW JOURNAL OF PHYSICS, 2011, vol.13, no. 023015, WOS

ADCA706 NAGAJ, Daniel. Universal two-body-Hamiltonian quantum computing. In *Physical Review A*, 2012, vol. 85, no. 3, 032330. (2.878 - IF2011). (2012 - Current Contents). ISSN 1050-2947.

Ohlasy:

[1.1] PENG, Jie - REN, Zhongzhou - BRAAK, Daniel - GUO, Guangjie - JU, Guoxing - ZHANG, Xin - GUO, Xiaoyong. Solution of the two-qubit quantum Rabi model and its exceptional eigenstates. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2014, vol. 47, no. 26, 265303., WOS

ADCA707 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.

Ohlasy:

[1.1] DAI, Yan-Wei - CHO, Sam Young - BATCHELOR, Murray T. - ZHOU, Huan-Qiang. Degenerate ground states and multiple bifurcations in a two-dimensional q -state quantum Potts model. In PHYSICAL REVIEW E. ISSN 1539-3755, 2014, vol. 89, no. 6, 062142., WOS

[1.1] FERRIS, Andrew J. Area law and real-space renormalization. In PHYSICAL REVIEW B. ISSN 1098-0121, 2013, vol. 87, no. 12, 125139., WOS

[1.1] ORUS, Roman. A practical introduction to tensor networks: Matrix product states and projected entangled pair states. In ANNALS OF PHYSICS. ISSN 0003-4916, 2014, vol. 349, pp. 117-158., WOS

[1.1] RODRIGUEZ-LAGUNA, Javier - SANTALLA, Silvia N. Physical consequences of $P \neq NP$ and the density matrix renormalization group annealing conjecture. In JOURNAL OF STATISTICAL

MECHANICS-THEORY AND EXPERIMENT. ISSN 1742-5468, 2014, P07006., WOS

[1.1] SCHOLLWOECK, U. The density-matrix renormalization group. In ANNALS OF PHYSICS, 2011, VOL. 326, NO. 1, P. 96-192., WOS

[1.1] WANG SHUN - XIE ZHI-YUAN - CHEN JING - NORMAND, Bruce - XIANG TAO. Phase Transitions of Ferromagnetic Potts Models on the Simple Cubic Lattice. In CHINESE PHYSICS LETTERS. ISSN 0256-307X, 2014, vol. 31, no. 7, 070503., WOS

[1.1] XIE, Z. Y. - CHEN, J. - YU, J. F. - KONG, X. - NORMAND, B. - XIANG, T. Tensor Renormalization of Quantum Many-Body Systems Using Projected Entangled Simplex States. In PHYSICAL REVIEW X. ISSN 2160-3308, 2014, vol. 4, no. 1, 011025., WOS

[1.2] BAUER, B. - CORBOZ, P. - ORÚS, R. - TROYER, M. Implementing global Abelian symmetries in projected entangled-pair state algorithms. In Physical Review B Condensed Matter and Materials Physics, 2011, vol.83, no.12,125106., SCOPUS

[1.2] MARTI, K.H. - REIHER, M. New electron correlation theories for transition metal chemistry. In Physical Chemistry Chemical Physics, 2011, vol.13, no.15, 6750-6759., SCOPUS

[1.2] SCHOLLWÖCK, U. The density-matrix renormalization group: A short introduction. In Philosophical Transactions of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2011, vol.369, no.1946, 2643-2661., SCOPUS

ADCA708 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. (1.093 - IF1992). (1993 - Current Contents). ISSN 0167-2738.

Ohlasy:

[1.1] NARIMATSU, E. High lithium conductivity. In JOURNAL OF MATERIALS RESEARCH, 2011, VOL. 26, P. 1133., WOS

ADCA709 NOSKO, Martin - SIMANČÍK, František - IŽDINSKÝ, Karol - ŠVEC, Peter - FLOREK, Roman. Stabilizing intermetallic phases within aluminum foam. In *Materials Letters*, 2011, vol.65, p.1378-1380. (2.117 - IF2010). (2011 - Current Contents). ISSN 0167-577X.

Ohlasy:

[1.1] AGUIRRE-PERALES, Lydia Y. - DREW, Robin A. L. - JUNG, In-Ho. The Effect of In Situ Intermetallic Formation on Al-Sn Foaming Behavior. In METALLURGICAL AND MATERIALS TRANSACTIONS A-PHYSICAL METALLURGY AND MATERIALS SCIENCE. ISSN 1073-5623, AUG 2014, vol. 45A, no. 9, p. 3714-3727., WOS

[1.1] BANHART, J. Light-Metal Foams - History of Innovation and Technological Challenges. In ADVANCED ENGINEERING MATERIALS. ISSN 1438-1656, MAR 2013, vol. 15, no. 3, SI, p. 82-111., WOS

[1.1] ELAHI, S.H. - ABDI, H. - SHAHVERDI, H.R. Investigating viscosity variations of molten aluminum by calcium addition and stirring. In MATERIALS LETTERS. ISSN 0167-577X, JAN 15 2013, vol. 91, p. 376-378., WOS

[1.1] HUANG, L. - WANG, H. - YANG, D. H. - YE, F. - WANG, S. Q. - LU, Z. P. Effects of calcium on mechanical properties of cellular Al-Cu foams. In

MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL
MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING. ISSN
0921-5093, NOV 17 2014, vol. 618, p. 471-478., WOS

[1.1] XU, Zhengbin - HAO, Hai. Electromagnetic interference shielding effectiveness of aluminum foams with different porosity. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, DEC 25 2014, vol. 617, p. 207-213., WOS

ADCA710 OBLOŽINSKÝ, Pavol - CHADWICK, M.B. Gamma-ray emission from multistep compound reactions. In *Physical Review C. Nuclear physics*, 1990, vol. 42, no. 4, p. 1652-1664. ISSN 0556-2813.

Ohlasy:

[1.1] BETAK, Emil - CARLSON, BV - DEPPMAN, A. Iwamoto-Harada coalescence/pickup model for cluster emission: state density approach including angular momentum variables. In CNR*13 FOURTH INTERNATIONAL WORKSHOP ON COMPOUND NUCLEAR REACTIONS AND RELATED TOPICS. ISSN 2100-014X, 2014, vol. 69, 00019., WOS

[1.1] BETAK, Emil - KRTICKA, M - BECVAR, F - KROLL, J. Iwamoto-Harada model of pre-equilibrium cluster emission: Should we care about angular momentum? In CNR*11 THIRD INTERNATIONAL WORKSHOP ON COMPOUND NUCLEAR REACTIONS AND RELATED TOPICS. ISSN 2100-014X, 2012, vol. 21, 09004., WOS

[1.1] BETAK, E. Cluster Emission for the Pre-equilibrium Exciton Model with Spin Variables. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2014, vol. 118, pp. 284-286., WOS

ADCA711 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] CARLSON, Brett V. - ESCHER, Jutta E. - HUSSEIN, Mahir S. Theoretical descriptions of compound-nuclear reactions: open problems and challenges. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2014, vol. 41, no. 9, 094003., WOS

[1.1] KUNIEDA, S. - HAIGHT, R. C. - KAWANO, T. - CHADWICK, M. B. - STERBENZ, S. M. - BATEMAN, F. B. - WASSON, O. A. - GRIMES, S. M. - MAIER-KOMOR, P. - VONACH, H. - FUKAHORI, T. - WATANABE, Y. Measurement and model analysis of (n, x alpha) cross sections for Cr, Fe, Co-59, and Ni-58, Ni-60 from threshold energy to 150 MeV. In PHYSICAL REVIEW C. ISSN 0556-2813, 2012, vol. 85, no. 5, 054602., WOS

[1.1] PALFFY, Adriana - WEIDENMUELLER, Hans A. Nuclear level densities at high excitation energies and for large particle numbers. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2013, vol. 917, pp. 15., WOS

[1.1] PALFFY, Adriana - WEIDENMUELLER, Hans A. Nuclear level densities in the constant-spacing model. In PHYSICS LETTERS B. ISSN 0370-2693, 2013, vol. 718, no. 3, pp. 1105., WOS

ADCA712 OBLOŽINSKÝ, Pavol. Preequilibrium gamma-rays with angular-momentum coupling. In *Physical review C*, 1987, vol. 35, no. 2, p. 407-414. ISSN 0556-2813.

Ohlasy:

- [1.1] BETAK, Emil - KRTICKA, M - BECVAR, F - KROLL, J. Iwamoto-Harada model of pre-equilibrium cluster emission: Should we care about angular momentum? In CNR*11 THIRD INTERNATIONAL WORKSHOP ON COMPOUND NUCLEAR REACTIONS AND RELATED TOPICS. ISSN 2100-014X, 2012, vol. 21, 09004., WOS
- [1.1] BETAK, E. Cluster Emission for the Pre-equilibrium Exciton Model with Spin Variables. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2014, vol. 118, pp. 284-286., WOS
- [1.1] BETAK, E. - NIKSIC, T - MILIN, M - VRETENAR, D - SZILNER, S. Heavy Ion Collisions and the Pre-Equilibrium Exciton Model. In NUCLEAR STRUCTURE AND DYNAMICS '12. ISSN 0094-243X, 2012, vol. 1491, pp. 342., WOS
- [1.1] HAN, Yinlu - XU, Yongli - LIANG, Haiying - GUO, Hairui - CAI, Chonghai - SHEN, Qingbiao. Theoretical Calculations and Analysis of n+Al-27 Reaction. In NUCLEAR SCIENCE AND ENGINEERING. ISSN 0029-5639, 2012, vol. 172, no. 1, pp. 102., WOS
- [1.1] HAN, Yinlu - XU, Yongli - ZHANG, Zhengjun - SHEN, Qingbiao. The cross sections and energy spectra of the particle emission in proton induced reactions on Bi-209. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS. ISSN 0168-583X, 2012, vol. 289, pp. 106., WOS
- [1.1] HAN, Yinlu - XU, Yongli - CAI, Chonghai - SHEN, Qingbiao. Double differential cross sections of light charged particle emission of n+Al-27 reaction. In ANNALS OF NUCLEAR ENERGY. ISSN 0306-4549, 2013, vol. 55, pp. 75., WOS
- [1.1] SUN, Xiaojun - HOU, Peiyu - QU, Wenjing - DUAN, Junfeng - ZHANG, Jingshang. Model calculation of neutron kerma coefficient for n+Fe-56 below 20 MeV. In ANNALS OF NUCLEAR ENERGY, 2011, vol.38, no.2-3, 455., WOS
- [1.1] YADAV, Abhishek - SINGH, Pushpendra P. - SHARMA, Vijay R. - GUPTA, Unnati - SINGH, Devendra P. - SHARMA, Manoj K. - SINGH, B. P. - PRASAD, R. - KUMAR, R. - SINGH, R. P. - MURALITHAR, S. - BHOWMIK, R. K. SIGNATURE OF PRE-EQUILIBRIUM-EMISSION IN FORWARD-TO-BACKWARD YIELD RATIO MEASUREMENT. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS, 2011, vol.20, no.10, 2133., WOS

ADCA713 OCELÍK, Václav - DIKO, Pavel - CSACH, Kornel - HAJKO, Vladimír Jr. - BENGUS, V.Z. - TABACHNIKOVA, E. D. - KOROLKOVA, E.B. - DUHAJ, Pavoľ. 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. (0.924 - IF1986). (1987 - Current Contents, WOS, SCOPUS). ISSN 0022-2461.

Ohlasy:

- [1.1] EL-SHABASY, Adel B. - HASSAN, Hala A. - LEWANDOWSKI, John J. Effects of Composition Changes on Strength, Bend Ductility, Toughness, and Flex-Bending Fatigue of Iron-Based Metallic Glass Ribbons. In METALLURGICAL AND MATERIALS TRANSACTIONS A-PHYSICAL METALLURGY AND MATERIALS SCIENCE. ISSN 1073-5623, 2012, vol. 43A, no. 8, pp. 2697., WOS

[1.1] MADGE, S.V. - SHARMA, P. - LOUZGUINE-LUZGIN, D.V. - GREER, A.L. - INOUE, A. Mechanical behaviour of Zr-La-Cu-Ni-Al glass-based composites. In INTERMETALLICS. OCT 2011, vol. 19, no. 10, p. 1474-1478., WOS

ADCA714 OGANESSIAN, 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. - AVRENTSEV, A.Y. - MALYSHEV, O.N. - POPEKO, A.G. - ROHAC, J. - SAGAIDAK, 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.

Ohlasy:

[1.1] BARBER, R.C. Discovery of the elements with atomic numbers. In PURE AND APPLIED CHEMISTRY, 2011, VOL. 83, P. 1485., WOS

[1.1] DUELLMANN, Ch E. Superheavy elements at GSI: a broad research program with element 114 in the focus of physics and chemistry. In RADIOCHIMICA ACTA. ISSN 0033-8230, 2012, vol. 100, no. 2, pp. 67., WOS

[1.1] GAEGGELER, H.W. Gas chemical properties. In RADIOCHIMICA ACTA, 2011, vol. 99, p. 503., WOS

[1.1] HESSBERGER, Fritz P. Discovery of the Heaviest Elements. In CHEMPHYSICHEM. ISSN 1439-4235, 2013, vol. 14, no. 3, pp. 483., WOS

[1.1] CHUNG, Yong Hee. Estimation of the Stopping Powers of the (A)Z=(300)120 Ion in Al and UO₂. In CHINESE JOURNAL OF PHYSICS. ISSN 0577-9073, 2014, vol. 52, no. 2, pp. 716., WOS

[1.1] SANDHU, Kirandeep - KAUR, Gurvinder - SHARMA, Manoj K. Dynamics of Ca-40,Ca-48+U-238> (278,286)112*reactions across the Coulomb barrier using dynamical cluster decay model. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2014, vol. 921, pp. 114., WOS

[1.1] THOENNESSEN, M. Discovery of isotopes of elements with Z >= 100. In ATOMIC DATA AND NUCLEAR DATA TABLES. ISSN 0092-640X, 2013, vol. 99, no. 3, pp. 312., WOS

[1.1] TUERLER, Andreas - PERSHINA, Valeria. Advances in the Production and Chemistry of the Heaviest Elements. In CHEMICAL REVIEWS. ISSN 0009-2665, 2013, vol. 113, no. 2, pp. 1237., WOS

[1.1] WANG, J. M. - ZHANG, H. F. - LI, J. Q. alpha decay half-lives for Z=108, 114, 120, 126 isotopes and N=162, 184 isotones. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2013, vol. 40, no. 4, 045103., WOS

[1.1] ZHANG, H. F. - GAO, Y. - WANG, N. - LI, J. Q. - ZHAO, E. G. - ROYER, G. Double magic nuclei for Z >= 82 and N >= 126. In PHYSICAL REVIEW C. ISSN 0556-2813, 2012, vol. 85, no. 1, 014325., WOS

ADCA715 OHLÍDAL, I. - FRANTA, D. - PINČÍK, Emil - OHLÍDAL, M. Complete optical characterization of the SiO₂/Si system. In *Surface and Interface Analysis*, 1999, vol. 28, p. 240-244. (1999 - Current Contents, WOS). ISSN 0142-2421.

Ohlasy:

[1.1] ZALETA-ALEJANDRE, E. - MEZA-ROCHA, A. N. - RIVERA-ALVAREZ, Z. - SANDOVAL, I. M. - ARAIZA, J. J. -

AGUILAR-FRUTIS, M. - FALCONY, C. Optical Characteristics of Silica Coatings Deposited by Ozone Assisted Spray Pyrolysis Technique. In *ECS JOURNAL OF SOLID STATE SCIENCE AND TECHNOLOGY*. ISSN 2162-8769, 2013, vol. 2, no. 7, N145-N148., WOS

ADCA716 OLEJNÍK, Štefan - SCHIERHOLZ, G. On the existence of a first order phase transition at small vacuum angle theta in the CP3 model. In *Nuclear Physics (Proceedings Supplements)*, 1994, vol. 34, p. 709-711. ISSN 0920-5632.

Ohlasy:

[3] AGUADO, M. - ASOREY, M. Phase transitions and theta vacuum energy. In *PROCEEDINGSS OF THE STEKLOV INSTITUTE OF MATHEMATICS*, 2011, vol. 272, p. 3-12.

ADCA717 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. (2.861 - IF2010). (2011 - Current Contents). ISSN 1050-2947.

Ohlasy:

[1.1] FILIPPOV, Sergey N. - ZIMAN, Mario. Probability-based comparison of quantum states. In *PHYSICAL REVIEW A*. ISSN 1050-2947, 2012, vol. 85, no. 6, 062301., WOS

[1.1] MISHRA, Devendra Kumar. Unambiguous discrimination of two squeezed states using probabilistic quantum cloning. In *OPTICS COMMUNICATIONS*. ISSN 0030-4018, 2012, vol. 285, no. 6, pp. 1560., WOS

ADCA718 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] COTFAS, Nicolae - DRAGOMAN, Daniela. Properties of finite Gaussians and the discrete-continuous transition. In *JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL*. ISSN 1751-8113, 2012, vol. 45, no. 42, 425305., WOS

[1.1] FERRIE, Christopher. Quasi-probability representations of quantum theory with applications to quantum information science. In *REPORTS ON PROGRESS IN PHYSICS*, 2011, vol.74, no.11., WOS

[1.1] MARCHIOLLI, M. A. - RUZZI, M. QUASIDISTRIBUTIONS AND COHERENT STATES FOR FINITE-DIMENSIONAL QUANTUM SYSTEMS. In *JOURNAL OF RUSSIAN LASER RESEARCH*, 2011, vol.32, no.4, 381., WOS

[1.1] MARCHIOLLI, M. A. - RUZZI, M. Theoretical formulation of finite-dimensional discrete phase spaces: I. Algebraic structures and uncertainty principles. In *ANNALS OF PHYSICS*. ISSN 0003-4916, 2012, vol. 327, no. 6, pp. 1538., WOS

[1.1] MARCHIOLLI, M. A. - MENDONCA, P. E. M. F. Theoretical formulation of finite-dimensional discrete phase spaces: II. On the uncertainty principle for Schwinger unitary operators. In *ANNALS OF PHYSICS*. ISSN 0003-4916, 2013, vol. 336, pp. 76., WOS

ADCA719 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.

Ohlasy:

[1.1] CARMELI, Claudio - HEINOSAARI, Teiko - TOIGO, Alessandro.

Informationally complete joint measurements on finite quantum systems. In *PHYSICAL REVIEW A*. ISSN 1050-2947, 2012, vol. 85, no. 1, 012109., WOS

[1.1] CARMELI, C. Sequential measurements. In *JOURNAL OF PHYSICS* 1, 2011, vol. 44, 285304., WOS

[1.1] COTFAS, Nicolae - DRAGOMAN, Daniela. Properties of finite Gaussians and the discrete-continuous transition. In *JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL*. ISSN 1751-8113, 2012, vol. 45, no. 42, 425305., WOS

[1.1] KLIMOV, Andrei B. - MUNOZ, Carlos. Coherent, isotropic and squeezed states in an N-qubit system. In *PHYSICA SCRIPTA*. ISSN 0031-8949, 2013, vol. 87, no. 3, 038110., WOS

[1.1] MARCHIOLLI, M. A. - RUZZI, M. Theoretical formulation of finite-dimensional discrete phase spaces: I. Algebraic structures and uncertainty principles. In *ANNALS OF PHYSICS*. ISSN 0003-4916, 2012, vol. 327, no. 6, pp. 1538., WOS

[1.1] MIRANOWICZ, Adam - PAPRZYCKA, Malgorzata - PATHAK, Anirban - NORI, Franco. Phase-space interference of states optically truncated by quantum scissors: Generation of distinct superpositions of qudit coherent states by displacement of vacuum. In *PHYSICAL REVIEW A*. ISSN 1050-2947, 2014, vol. 89, no. 3, 033812., WOS

[1.1] SUA, Yong Meng - LEE, Kim Fook. Macroscopic mechanical correlations using single-photon spatial compass state and operational Wigner distribution. In *PHYSICAL REVIEW A*. ISSN 1050-2947, 2012, vol. 85, no. 6, 062113., WOS

ADCA720 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, 154709. (2.921 - IF2010). (2011 - Current Contents). ISSN 0021-9606.

Ohlasy:

[1.1] KWAN, James J. - BORDEN, Mark A. Lipid monolayer dilatational mechanics during microbubble gas exchange. In *SOFT MATTER*. ISSN 1744-683X, 2012, vol. 8, no. 17, pp. 4756., WOS

[1.1] SARANGI, Nirod Kumar - PATNAIK, Archita. Unraveling Tryptophan Modulated 2D DPPC Lattices: An Approach toward Stimuli Responsiveness of the Pulmonary Surfactant. In *JOURNAL OF PHYSICAL CHEMISTRY B*, 2011, vol.115, no.46, 13551., WOS

ADCA721 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. (1.410 - IF1994). (1995 - Current Contents). ISSN 0040-6090.

Ohlasy:

[1.1] HIMENO, W.R. at all. Optical band gap of semiconducting type. In

JOURNAL OF NON-CRYSTALLINE SOLIDS, 2012, vol. 358, p. 2138., WOS
[3] QIU, Y. A close to unity and all-solar spectrum absorption. In OPTICS EXPRESS, 2012, vol. 20, 22087.

ADCA722 OŽVOLD, Milan - MRAFKO, Peter - GAŠPARÍK, V. Optical properties of semiconducting iron disilicide thin films. In *Czechoslovak Journal of Physics*, 2000, vol. 50, no. 5, p. 677-686. (0.328 - IF1999). (2000 - Current Contents, Scopus). ISSN 0011-4626.

Ohlasy:

[1.1] KONDO, Shin-ichiro - HASAKA, Masayuki - MORIMURA, Takao - MAEDA, Y. On the role of induced impurity potential of beta-FeSi(2). In ASIA-PACIFIC CONFERENCE ON SEMICONDUCTING SILICIDES SCIENCE AND TECHNOLOGY TOWARDS SUSTAINABLE OPTOELECTRONICS (APAC-SILICIDE 2010), 2011, vol.11,p. 142-145., WOS

ADCA723 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. (1.410 - IF1994). (1995 - Current Contents). ISSN 0040-6090.

Ohlasy:

[1.1] FUJIMOTO, Hitoshi - OGAWA, Koji - TAKARABE, Kenichi - UDONO, Haruhiko - SUGIYAMA, Harue - AZUMA, Junpei - TAKAHASHI, Kazutoshi - KAMADA, Masao. Photoemission study on the valence band of a beta-FeSi₂ thin film using synchrotron radiation. In DALTON TRANSACTIONS, 2011, vol.40, no.22, 6023., WOS

[1.1] HIMENO, Roto - OHASHI, Fumitaka - KUME, Tetsuji - ASAI, Erika - BAN, Takayuki - SUZUKI, Takatoshi - IIDA, Tamio - HABUCHI, Hitoie - TSUTSUMI, Yasuo - NATSUHARA, Hironori - NONOMURA, Shuichi. Optical band gap of semiconductive type II Si clathrate purified by centrifugation. In JOURNAL OF NON-CRYSTALLINE SOLIDS. ISSN 0022-3093, 2012, vol. 358, no. 17, pp. 2138., WOS

[1.2] FUJIMOTO, H. - OGAWA, K. - TAKARABE, K. - UDONO, H. - SUGIYAMA, H. - AZUMA, J. - TAKAHASHI, K. - KAMADA, M. Photoemission study on the valence band of a β -FeSi₂ thin film using synchrotron radiation. In Dalton Transactions, 2011, vol.40, no.22, 6023-6027., SCOPUS

[1.2] HIMENO, R. - OHASHI, F. - KUME, T. - ASAI, E. - BAN, T. - SUZUKI, T. - IIDA, T. - HABUCHI, H. - TSUTSUMI, Y. - NATSUHARA, H. - NONOMURA, S. Optical band gap of semiconductive type II Si clathrate purified by centrifugation. In Journal of Non-Crystalline Solids, 2012, 358, 17, pp. 2138-2140., SCOPUS

[1.2] ZHOU, J. - HILDEBRANDT, M. - LU, M. Self-organized antireflecting nano-cone arrays on Si (100) induced by ion bombardment. In Journal of Applied Physics, 2011, vol.109, no.5., SCOPUS

ADCA724 PALUGA, Marek - ŠVEC, Peter - JANIČKOVIČ, Dušan - MRAFKO, Peter - CONDE, Clara F.. Surface morphology in amorphous Fe-Mo-Cu-B ribbon system.

In *Journal of Non-Crystalline Solids*, 2007, vol. 353, no. 18-21, p. 2039-2044. (1.362 - IF2006). (2007 - Current Contents, SCOPUS). ISSN 0022-3093.

Ohlasy:

[1.1] BUTVINOVA, B. - BUTVIN, P. - KADLECIKOVA, M. - MALINOVSKY, L.; Raman spectroscopy used to inspect relationship between surface and magnetic properties of Fe-Nb-Cu-B-Si(4.5) nanocrystalline ribbons. In KOVOVE MATERIALY-METALLIC MATERIALS. ISSN 0023-432X, 2012, vol. 50, no. 3, pp. 145., WOS

[1.1] ZHU ZHENGHOU - YIN LEI - HU QIN - SONG HUI. Influence of High-temperature Oxidation on Soft Magnetic Properties of Fe₇₈Si₉B₁₃ Amorphous Alloy. In RARE METAL MATERIALS AND ENGINEERING. ISSN 1002-185X, 2014, vol. 43, no. 5, pp. 1037-1040., WOS

ADCA725 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] VAROUTI, E. In KEY ENGINEERING MATERIALS, 2013, vol. 543, pp. 476-478., WOS

[1.1] VAROUTI, E. Preparation and crystallization kinetics of FeSiB amorphous ribbons under non-isothermal regime. In KEY ENGINEERING MATERIALS, 2014, vol. 605, pp. 35-38., WOS

ADCA726 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*, 2012, vol. 694, p. 47-54. (1.207 - IF2011). (2012 - Current Contents). ISSN 0168-9002.

Ohlasy:

[1.1] BHATTACHARYYA, Abhijit - GHOSH, Sanjay K. - LAHIRI, Anirban - MAJUMDER, Sarbani - RAHA, Sibaji - RAY, Rajarshi. Isospin-symmetry breaking and baryon-isospin correlations from the Polyakov-Nambu-Jona-Lasinio model. In PHYSICAL REVIEW C. ISSN 0556-2813, 2014, vol. 89, no. 6, 064905., WOS

ADCA727 PAWLUS, S. - BARTOŠ, Josef - ŠAUŠA, Ondrej - KRIŠTIÁK, 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. (3.138 - IF2005). ISSN 0021-9606.

Ohlasy:

[1.1] CECCIA, S.- COCQUET, C.- TROUILLET-FONTI, L. In RHEOLOGICA ACTA, 2014, vol. 53, no. 2, pp. 181-190., WOS

[1.1] MARTINEZ-GARCIA, J.C. The new insight into dynamic crossover in glass forming liquids from the apparent enthalpy analysis. In JOURNAL OF CHEMICAL PHYSICS, 2012, vol. 137, no. 6, 064501., WOS

ADCA728 PICOTTO, G.B. - DESOGUS, S. - LÁNYI, Štefan - NERINO, R. - SOSSO, A. Scanning tunneling microscopy head having integrated capacitive sensors for calibration of scanner displacements. In *Journal of Vacuum Science and Technology B*, 1996, vol. 14, nO. 2, p. 897-900. (1996 - Current Contents). ISSN 0734-211X.

Ohlasy:

[1.1] GOTO, S. An ultra-precision scanning tunneling microscope. In MEASUREMENT SCIENCE AND TECHNOLOGY, 2011, vol. 22, no. 8, 085101, WOS

[1.1] SCHNEDLER, M. - WEIDLICH, P. H. - PORTZ, V. - WEBER, D. - DUNIN-BORKOWSKI, R. E. - EBERT, Ph. Correction of nonlinear lateral distortions of scanning probe microscopy images. In ULTRAMICROSCOPY. ISSN 0304-3991, 2014, vol. 136, pp. 86., WOS

[1.1] XU, Bin - JIA, Zhigang - LI, Xinghui - CHEN, Yuan-Liu - SHIMIZU, Yuki - ITO, So - GAO, Wei - QUAN, C - QIAN, K - ASUNDI, A. Surface form metrology of micro-optics. In INTERNATIONAL CONFERENCE ON OPTICS IN PRECISION ENGINEERING AND NANOTECHNOLOGY (ICOPEN2013). ISSN 0277-786X, 2013, vol. 8769, UNSP 876902., WOS

ADCA729 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. (2.112 - IF2012). (2013 - Current Contents, WOS, SCOPUS). ISSN 0169-4332.

Ohlasy:

[1.1] ANGERMANN, Heike. Conditioning of Si-interfaces by wet-chemical oxidation: Electronic interface properties study by surface photovoltage measurements. In APPLIED SURFACE SCIENCE. ISSN 0169-4332, 2014, vol. 312, pp. 3-16., WOS

ADCA730 PINČÍK, Emil - JERGEL, Matej - FALCONY, C. - ORTEGA, L. - IVANČO, Jozef - BRUNNER, Róbert - KUČERA, Michal. Low-energy particle treatment of GaAs surface. In *Thin Solid Films : International Journal on the Science and Technology of Thin and Thick Films*, 2003, vol. 433, p. 108-113. ISSN 0040-6090.

Ohlasy:

[1.1] KLYUI, N.I. - LIPTUGA, A.I. - LOZINSKII, V.B. - OKSANICH, A.P. - TERBAN, V.A. - FOMOVSKII, F.V. Increasing the degradation resistance of semi-insulating gallium arsenide crystals by plasma processing. In TECHNICAL PHYSICS LETTERS. NOV 2012, vol. 38, no. 11, p. 1016-1019., WOS

[1.1] KLYUI, N.I. - LIPTUGA, A.I. - LOZINSKII, V.B. - LUKYANOV, A.N. - OKSANICH, A.P. - TERBAN, V.A. Application of diamond-like carbon films to increase transmission of semi-insulating GaAs crystals in the IR spectral range. In TECHNICAL PHYSICS LETTERS. JUL 2012, vol. 38, no. 7, p. 609-612., WOS

ADCA731 PINČÍK, Emil - KOBAYASHI, H. - RUSNÁK, Jaroslav - KIM, W.B. - BRUNNER, Róbert - MALINOVSKÝ, Ľudovít - MATSUMOTO, T. - IMAMURA, K. - JERGEL, Matej - TAKAHASHI, M. - HIGASHI, Y. - KUČERA, Michal - MIKULA, M. On ultra-thin oxide/Si and very-thin oxide/Si structures prepared by wet chemical process. In *Applied Surface Science*, 2010, vol. 256, no. 19, p. 5757-5764. (1.616 - IF2009). (2010 - Current Contents). ISSN 0169-4332.

Ohlasy:

[1.1] ANGERMANN, H. Conditioning of Si-interfaces by wet-chemical oxidation: Electronic interface properties study by surface photovoltage measurements. In *APPLIED SURFACE SCIENCE*. SEP 1 2014, vol. 312, p. 3-16., WOS

[1.1] ANGERMANN, H. - WOLKE, K. - GOTTSCHALK, C. - MOLDOVAN, A. - ROCZEN, M. - FITTKAU, J. - ZIMMER, M. - RENTSCH, J. Electronic interface properties of silicon substrates after ozone based wet-chemical oxidation studied by SPV measurements. In *APPLIED SURFACE SCIENCE*. AUG 15 2012, vol. 258, no. 21, p. 8387-8396., WOS

[1.2] ANGERMANN, H. - GREF, O. - STEGEMANN, B. Effect of wet-chemical substrate smoothing on passivation of ultrathin-SiO₂/n-Si(111) interfaces prepared with atomic oxygen at thermal impact energies. In *Central European Journal of Physics*, 2011, vol.9, no.6, 1472-1481., SCOPUS

[1.2] BORDIHN, S. - ENGELHART, P. - MERTENS, V. - KESSER, G. - KÖHN, D. - DINGEMANS, G. - MANDOC, M.M. - MÜLLER, J.W. - KESSELS, W.M.M. High surface passivation quality and thermal stability of ALD Al₂O₃ on wet chemical grown ultra-thin SiO₂ on silicon. In *Energy Procedia*, 2011, vol.8, 654-659., SCOPUS

ADCA732 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. (2.103 - IF2011). (2012 - Current Contents). ISSN 0169-4332.

Ohlasy:

[1.1] ANGERMANN, H. Conditioning of Si-interfaces by wet-chemical oxidation: Electronic interface properties study by surface photovoltage measurements. In *APPLIED SURFACE SCIENCE*. SEP 1 2014, vol. 312, p. 3-16., WOS

ADCA733 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, p. 8059-8066. ISSN 0169-4332.

Ohlasy:

[1.1] HAN, Y. Kinetics of passive film of low carbon steel. In *ADVANCED MATERIALS RESEARCH*, 2012, vol. 457-8, pp. 358-364., WOS

ADCA734 PINČÍK, Emil - KOBAYASHI, H. - RUSNÁK, Jaroslav - TAKAHASHI, M. - BRUNNER, Róbert - JERGEL, Matej - MORALES-ACEVEDO, A. - ORTEGA, L. - KÁKOŠ, J. Passivation of Si and a-Si:H surfaces by thin oxide and oxy-nitride layers. In *Applied Surface Science*, 2006, vol. 252, p. 7713-7721. (2006 - Current Contents). ISSN 0169-4332.

Ohlasy:

[1.1] ANGERMANN, Heike - GREF, Orman - STEGEMANN, Bert. Effect of wet-chemical substrate smoothing on passivation of ultrathin-SiO₂/n-Si(111) interfaces prepared with atomic oxygen at thermal impact energies. In *CENTRAL EUROPEAN JOURNAL OF PHYSICS*, 2011, vol.9, no.6, 1472-1481., WOS

ADCA735 PINČÍK, Emil - KOBAYASHI, H. - GLESKOVÁ, H. - KUČERA, Michal - ORTEGA, L. - JERGEL, Matej - FALCONY, C. - BRUNNER, Róbert - SHIMIZU, T. - NÁDAŽDY, Vojtech - ZEMAN, Milan - MIKULA, M. - KUMEDA, M - VAN SWAAIJAND, R.A.C.M.M. Photoluminescence properties of a-Si:H based thin films and corresponding solar cells. In *Thin Solid Films*, 2003, vol. 433, p. 344-351.

Ohlasy:

[1.1] WU, D.D. - MA, Y.Q. - ZHANG, X. - QIAN, S.B. - ZHENG, G.H. - WU, M.Z. - LI, G. - SUN, Z.Q. Dy³⁺ activated LaVO₄ films synthesized by precursors with different solution concentrations. In *JOURNAL OF RARE EARTHS*. APR 2012, vol. 30, no. 4, p. 325-329., WOS

ADCA736 PINČÍK, Emil - GLESKOVÁ, H. - MÜLLEROVÁ, J. - NÁDAŽDY, Vojtech - MRÁZ, S. - ORTEGA, L. - JERGEL, Matej - FALCONY, C. - BRUNNER, Róbert - GMUCOVÁ, Katarína - ZEMAN, Milan - VAN SWAAIJ, R.A.C.M.M. - KUČERA, Michal - JURÁNI, R. - ZAHORAN, M. Properties of semiconductor surfaces covered with very thin insulating overlayers prepared by impacts of low-energy particles. In *Vacuum*, 2002, vol. 67, p. 131-141. ISSN 0042-207X.

Ohlasy:

[1.1] BUTVINOVA, B. - BUTVIN, P. - MAT'KO, I. - KADLECIKOVA, M. - KUZMINSKI, M. - SVEC, P. Surface mediated impact of thermal treatment ambience on magnetic properties of Fe-Nb-Cu-B-Si nanocrystalline ribbons. In *APPLIED SURFACE SCIENCE*. MAY 15 2014, vol. 301, SI, p. 119-125., WOS

ADCA737 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 dielectrics in CMOS technology. In *Materials science in semiconductor processing*, 2004, vol. 7, p. 231-236.

Ohlasy:

[1.1] KHARLAMOVA, T.S. - MATVEEV, A.S. - ISHCHENKO, A.V. - SALANOV, A.N. - KOSHCHIEV, S.V. - BORONIN, A.I. - SADYKOV, V.A. Synthesis and physicochemical and catalytic properties of apatite-type lanthanum silicates. In *KINETICS AND CATALYSIS*. MAY 2014, vol. 55, no. 3, p. 361-371., WOS

[1.1] LONG, Y.L. - YANG, J. - LI, X.C. - HUANG, W.Y. - TANG, Y. - ZHANG, Y.M. In *JOURNAL OF RARE EARTHS*. JAN 2012, vol. 30, no. 1, p. 48-52., WOS

[1.1] MANGLA, O. - SRIVASTAVA, A. - MALHOTRA, Y. - OSTRIKOV, K. Lanthanum oxide nanostructured films synthesized using hot dense and extremely non-equilibrium plasma for nanoelectronic device applications. In *JOURNAL OF MATERIALS SCIENCE*. FEB 2014, vol. 49, no. 4, p. 1594-1605., WOS

[1.1] SALAVATI-NIASARI, M. - HOSSEINZADEH, G. - DAVAR, F. In *JOURNAL OF ALLOYS AND COMPOUNDS*. JAN 5 2011, vol. 509, no. 1, p. 134-140., WOS

[1.1] ZHAO, Y. In *MATERIALS*. AUG 2012, vol. 5, no. 8, p. 1413-1438., WOS

[1.2] Zhao, Y.: In *High-k Gate Dielectrics for CMOS Technology*. Weinheim: Wiley-VCH 2012. ISBN 978-3-527-33032-4. P. 185., SCOPUS

ADCA738 PÍSEČNÝ, Pavol - HUSEKOVÁ, K. - 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. ISSN 1369-8001.

Ohlasy:

[1.1] KHARLAMOVA, T. S. - MATVEEV, A. S. - ISHCHENKO, A. V. - SALANOV, A. N. - KOSHCHEEV, S. V. - BORONIN, A. I. - SADYKOV, V. A. Synthesis and physicochemical and catalytic properties of apatite-type lanthanum silicates. In *KINETICS AND CATALYSIS*. ISSN 0023-1584, 2014, vol. 55, no. 3, pp. 361-371., WOS

[1.1] LONG YULIN - YANG JUN - LI XIAOCI - HUANG WEIYA - TANG YU - ZHANG YUANMING. Combustion synthesis and stability of nanocrystalline La₂O₃ via ethanolamine-nitrate process. In *JOURNAL OF RARE EARTHS*. ISSN 1002-0721, 2012, vol. 30, no. 1, pp. 48-52., WOS

[1.1] SALAVATI-NIASARI, Masoud - HOSSEINZADEH, Ghader - DAVAR, Fatemeh. Synthesis of lanthanum carbonate nanoparticles via sonochemical method for preparation of lanthanum hydroxide and lanthanum oxide nanoparticles. In *JOURNAL OF ALLOYS AND COMPOUNDS*. ISSN 0925-8388, 2011, vol. 509, no. 1, pp. 134-140., WOS

[1.1] ZHAO, Yi. Design of Higher-k and More Stable Rare Earth Oxides as Gate Dielectrics for Advanced CMOS Devices. In *MATERIALS*. ISSN 1996-1944, 2012, vol. 5, no. 8, pp. 1413-1438., WOS

[10] HUDEC, B. Structures for nanoscale DRAM memories. PhD Thesis, Institute of Electrical Engineering, Slovak Academy of Sciences. 2012, 105 pp., Google Scholar

ADCA739 PLESCH, Martin - DAHLSTEN, O. - GOOLD, J. - VEDRAL, V. Comment on "Quantum Szilard Engine". In *Physical Review Letters*, 2013, vol. 111, no. 18, 188901. (7.943 - IF2012). (2013 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Ohlasy:

[1.1] ASHIDA, Yuto - FUNO, Ken - MURASHITA, Yuto - UEDA, Masahito. General achievable bound of extractable work under feedback control. In *PHYSICAL REVIEW E*. ISSN 1539-3755, 2014, vol. 90, no. 5, 052125., WOS

[1.1] DIAZ DE LA CRUZ, J. M. - MARTIN-DELGADO, M. A. Quantum-information engines with many-body states attaining optimal extractable work with quantum control. In *PHYSICAL REVIEW A*. ISSN 1050-2947, 2014, vol. 89, no. 3, 032327., WOS

[1.1] KIM, Sang Wook - KIM, Kang-Hwan - SAGAWA, Takahiro - DE LIBERATO, Simone - UEDA, Masahito. Comment on Quantum Szilard Engine: Reply. In *PHYSICAL REVIEW LETTERS*, 2013, vol. 111, no. 18., WOS

ADCA740 PLESCH, Martin - BUŽEK, Vladimír. Efficient compression of quantum information. In *Physical Review A*, 2010, vol. 81, no. 3, 032317. (2.866 - IF2009). (2010 - Current Contents). ISSN 1050-2947.

Ohlasy:

[1.1] DATTA, Nilanjana - HSIEH, Min-Hsiu - WILDE, Mark M. Quantum

Rate Distortion, Reverse Shannon Theorems, and Source-Channel Separation. In IEEE TRANSACTIONS ON INFORMATION THEORY. ISSN 0018-9448, 2013, vol. 59, no. 1, pp. 615., WOS

[1.1] ROZEMA, Lee A. - MAHLER, Dylan H. - HAYAT, Alex - TURNER, Peter S. - STEINBERG, Aephraim M. Quantum Data Compression of a Qubit Ensemble. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2014, vol. 113, no. 16, 160504., WOS

ADCA741 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.

Ohlasy:

[1.1] KRAVETS, Yevgen - JAKUBCZYK, Pawel - JAKUBCZYK, Dorota. Classification of entanglement via rigged string configurations. In PHYSICAL REVIEW A. ISSN 1050-2947, 2013, vol. 88, no. 2, 022331., WOS

[1.1] REID, M. D. Monogamy inequalities for the Einstein-Podolsky-Rosen paradox and quantum steering. In PHYSICAL REVIEW A. ISSN 1050-2947, 2013, vol. 88, no. 6, 062108., WOS

[1.1] SALIMI, S. - KARAMI, D. - SALIMI, E. Investigation of Preparation up to Six and N-Atom Graph States. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2012, vol. 51, no. 7, pp. 2031., WOS

ADCA742 PLESCH, Martin - BUŽEK, Vladimír. Entangled graphs: Bipartite entanglement in multiqubit systems. In *Physical Review A*, 2003, vol. 67, no. 1, 012322. ISSN 1050-2947.

Ohlasy:

[1.1] JAKUBCZYK, P. - KRAVETS, Y. - JAKUBCZYK, D. Entanglement of one-magnon Schur-Weyl states. In EUROPEAN PHYSICAL JOURNAL D, 2011, vol. 61, no. 2, 507-512., WOS

[1.1] KRAVETS, Yevgen - JAKUBCZYK, Pawel - JAKUBCZYK, Dorota. Classification of entanglement via rigged string configurations. In PHYSICAL REVIEW A. ISSN 1050-2947, 2013, vol. 88, no. 2, 022331., WOS

[1.1] QU, Ri - LI, Zong-shang - WANG, Juan - BAO, Yan-ru. Multipartite entanglement and hypergraph states of three qubits. In PHYSICAL REVIEW A. ISSN 1050-2947, 2013, vol. 87, no. 3, 032329., WOS

[1.1] REID, M. D. Monogamy inequalities for the Einstein-Podolsky-Rosen paradox and quantum steering. In PHYSICAL REVIEW A. ISSN 1050-2947, 2013, vol. 88, no. 6, 062108., WOS

[1.1] SALIMI, S. - KARAMI, D. - SALIMI, E. Investigation of Preparation up to Six and N-Atom Graph States. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2012, vol. 51, no. 7, pp. 2031., WOS

ADCA743 PLESCH, Martin - BRUKNER, C. Quantum-state preparation with universal gate decompositions. In *Physical Review A*, 2011, vol. 83, no. 3, 032302. (2.861 - IF2010). (2011 - Current Contents). ISSN 1050-2947.

Ohlasy:

[1.1] LUO, Mingxing. Some Quantum States Prepared with Polynomial Quantum Circuit. In INTERNATIONAL JOURNAL OF THEORETICAL

PHYSICS. ISSN 0020-7748, 2012, vol. 51, no. 12, pp. 3733., WOS
 [1.1] LUO, Ming-Xing - DENG, Yun - CHEN, Xiu-Bo - YANG, Yi-Xian - LI, Hong-Heng. Faithful quantum broadcast beyond the no-go theorem. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2013, vol. 12, no. 5, pp. 1969., WOS
 [1.1] MANTRI, Atul - PEREZ-DELGADO, Carlos A. - FITZSIMONS, Joseph F. Optimal Blind Quantum Computation. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2013, vol. 111, no. 23, 230502., WOS

ADCA744 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. (0.927 - IF2010). (2011 - Current Contents, SCOPUS). ISSN 0957-4522.

Ohlasy:

[1.1] ALTIN, E. - OZ, E. - DEMIREL, S. - ERDEM, M. Thermal and mechanical properties of La-Al-Sb alloys. In JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS. ISSN 0957-4522, 2014, vol. 25, no. 12, pp. 5331-5337., WOS
 [1.1] GANCARZ, Tomasz - GASIOR, Wladyslaw - HENEIN, Hani. Physicochemical Properties of Sb, Sn, Zn, and Sb-Sn System. In INTERNATIONAL JOURNAL OF THERMOPHYSICS. ISSN 0195-928X, 2013, vol. 34, no. 2, pp. 250., WOS

ADCA745 POLHORSKÝ, V. - KLIMAN, Ján - KRIŠTIÁK, Jozef - BOGDZIEL, A.A. - GUNDORIN, N.A. - POPOV, A.B. - GOHS, U. Prompt gamma-ray emission from fission of PU-239 by resonance neutrons. 1. In *Czechoslovak Journal of Physics*, 1993, vol. 43, no. 8, p. 783-788. (0.309 - IF1992). (1993 - Current Contents, WOS, SCOPUS). ISSN 0011-4626.

Ohlasy:

[1.1] ULLMANN, J. L. - BOND, E. M. - BREDEWEG, T. A. - COUTURE, A. - HAIGHT, R. C. - JANDEL, M. - KAWANO, T. - LEE, H. Y. - O&APOS;DONNELL, J. M. - HAYES, A. C. - STETCU, I. - TADDEUCCI, T. N. - TALOU, P. - VIEIRA, D. J. - WILHELMY, J. B. - BECKER, J. A. - CHYZH, A. - GOSTIC, J. - HENDERSON, R. - KWAN, E. - WU, C. Y. Prompt gamma-ray production in neutron-induced fission of Pu-239. In PHYSICAL REVIEW C. ISSN 0556-2813, 2013, vol. 87, no. 4, 044607., WOS

ADCA746 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. (1.363 - IF2003). (2004 - Current Contents, WOS, SCOPUS). ISSN 0921-5093.

Ohlasy:

[1.1] HE, Jie - CHEN, Shu - ZHAO, Jiuzhou. Developing metallic glass matrix composites with in situ crystalline spheres through the mechanism of liquid-liquid phase decomposition in miscibility gap of the multicomponent immiscible alloys. In NANOMATERIALS AND PLASTIC DEFORMATION, 2011, vol.682, p. 9-17., WOS

- [1.1] HE, Jie - CHEN, Shu - ZHAO, Jiuzhou - WANG, JT. Developing metallic glass matrix composites with in situ crystalline spheres through the mechanism of liquid-liquid phase decomposition in miscibility gap of the multicomponent immiscible alloys. In NANOMATERIALS AND PLASTIC DEFORMATION, 2011, vol.682, p. 9-17., WOS
- [1.1] HE, Jie - JIANG, Hongxiang - ZHAO, Jiuzhou - MATTERN, Norbert - ECKERT, Juergen. AlNiYCo Amorphous Matrix Composites Induced by Bismuth and Lead Additions. In METALLURGICAL AND MATERIALS TRANSACTIONS A-PHYSICAL METALLURGY AND MATERIALS SCIENCE, 2011, vol.42A, no.13, p.4100-4105., WOS
- [1.1] HE, Jie - JIANG, Hongxiang - ZHAO, Jiuzhou - MATTERN, Norbert - ECKERT, Juergen. AlNiYCo Amorphous Matrix Composites Induced by Bismuth and Lead Additions. In METALLURGICAL AND MATERIALS TRANSACTIONS A-PHYSICAL METALLURGY AND MATERIALS SCIENCE, 2011, vol.42A, no.13, 4100., WOS
- [1.1] CHLUPOVA, Alice - CHLUP, Zdenek - KRUMML, Tomas - KUBENA, Ivo - ROUPCOVA, Pavla. MICROSTRUCTURE, TENSILE PROPERTIES AND FATIGUE BEHAVIOUR OF BULK NANO-QUASICRYSTALLINE AL ALLOY AL(93)FE(3)CR(2)TI(2). In NANOCON 2011, 2011, P. 259., WOS
- [1.1] KARPE, B. - KOSEC, B. - NAGODE, A. - BIZJAK, M. THE INFLUENCE OF Si AND V ON THE KINETICS OF PHASE TRANSFORMATION AND MICROSTRUCTURE OF RAPIDLY SOLIDIFIED Al-Fe-Zr ALLOYS. In JOURNAL OF MINING AND METALLURGY SECTION B-METALLURGY. ISSN 1450-5339, 2013, vol. 49, no. 1, pp. 83., WOS

ADCA747 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, p. 213-218. (1.142 - IF2010). (2011 - Current Contents, WOS, SCOPUS). ISSN 0168-9002.

Ohlasy:

- [1.1] AUDI, G. - KONDEV, F. G. - WANG, M. - PFEIFFER, B. - SUN, X. - BLACHOT, J. - MACCORMICK, M. The NUBASE2012 evaluation of nuclear properties. In CHINESE PHYSICS C. ISSN 1674-1137, 2012, vol. 36, no. 12, pp. 1157-1286., WOS
- [1.1] HAUF, Steffen - KUSTER, Markus - BATIC, Matej - BELL, Zane W. - HOFFMANN, Dieter H. H. - LANG, Philipp M. - NEFF, Stephan - PIA, Maria Grazia - WEIDENSPOINTNER, Georg - ZOGLAUER, Andreas. Radioactive Decays in Geant4. In IEEE TRANSACTIONS ON NUCLEAR SCIENCE. ISSN 0018-9499, 2013, vol. 60, no. 4, pp. 2966., WOS
- [1.1] McCUTCHAN, E.A. In NUCLEAR DATA SHEETS, 2014, vol. 125, pp. 191., WOS
- [1.1] PFEIFFER, B. - VENKATARAMANIAN, K. - CZOK, U. - SCHEIDENBERGER, C. Atomic mass compilation 2012. In ATOMIC DATA AND NUCLEAR DATA TABLES. ISSN 0092-640X, 2014, vol. 100, no. 2, pp. 403-535., WOS
- [1.1] SINGH, Balraj - MUKHERJEE, Gopal - ABRIOLA, Daniel - BASU, Swapn Kumar - DEMETRIOU, Paraskevi - JAIN, Ashok - KUMAR, Suresh - SINGH, Sukhjeet - TULI, Jagdish - BROWNE, Edgardo. Nuclear Data Sheets for

A=215. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2013, vol. 114, no. 12, pp. 2023., WOS

[1.1] SZUECS, T. - DILLMANN, I. - PLAG, R. - FUELOEP, Zs. KADoNiS-p: The Astrophysical p-Process Database. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2014, vol. 120, pp. 191-193., WOS

[1.1] WANG, M. - AUDI, G. - WAPSTRA, A. H. - KONDEV, F. G. - MACCORMICK, M. - XU, X. - PFEIFFER, B. The AME2012 atomic mass evaluation (II). Tables, graphs and references. In CHINESE PHYSICS C. ISSN 1674-1137, 2012, vol. 36, no. 12, pp. 1603-2014., WOS

ADCA748 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. (3.185 - IF2005). (2006 - Current Contents, WOS, SCOPUS). ISSN 1098-0121.

Ohlasy:

[1.1] CURTAROLO, Stefano - SETYAWAN, Wahyu - DIEHL, Renee D. Gas-Surface Interactions on Quasicrystals. In ISRAEL JOURNAL OF CHEMISTRY, 2011, vol.51, no.11-12, 1304., WOS

[1.1] MCGRATH, Ronan - KAMARULZAMAN, N - WUI, WT - MOHAMED, NS - RUSDI, R - CHAYED, NF. Quasicrystal surfaces: structure, adsorption and epitaxy. In ADVANCEMENT OF MATERIALS AND NANOTECHNOLOGY II. ISSN 1022-6680, 2012, vol. 545, pp. 43-49., WOS

[1.1] THIEL, Patricia A. - UENAL, Baris - JENKS, Cynthia J. - GOLDMAN, Alan I. - CANFIELD, Paul C. - LOGRASSO, Thomas A. - EVANS, James W. - QUIQUANDON, Marianne - GRATIAS, Denis - VAN HOVE, Michel A. A Distinctive Feature of the Surface Structure of Quasicrystals: Intrinsic and Extrinsic Heterogeneity. In ISRAEL JOURNAL OF CHEMISTRY, 2011, vol.51, no.11-12, 1326., WOS

[1.1] ZENKYU, R. - YUHARA, J. - MATSUI, T. - ZAMAN, S. Shah - SCHMID, M. - VARGA, P. Composition and local atomic arrangement of decagonal Al-Co-Cu quasicrystal surfaces. In PHYSICAL REVIEW B. ISSN 1098-0121, 2012, vol. 86, no. 11, 115422., WOS

ADCA749 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.

Ohlasy:

[1.1] ABDEL-KHALEK, S. - ALMALKI, M. S. - EDFAWY, E. Dynamical Properties of Scaled Atomic Wehrl Entropy of Multiphoton JCM in the Presence of Atomic Damping. In ADVANCES IN CONDENSED MATTER PHYSICS. ISSN 1687-8108, 2013, 879058., WOS

[1.1] BHATTACHARYA, M. - STOUTIMORE, M. J. A. - OSBORN, K. D. - MIZEL, Ari. Understanding the damping of a quantum harmonic oscillator coupled to a two-level system using analogies to classical friction. In AMERICAN JOURNAL OF PHYSICS. ISSN 0002-9505, 2012, vol. 80, no. 9, pp. 810., WOS

[1.1] CORDERO, Sergio - RECAMIER, Jose. Algebraic treatment of the time-dependent Jaynes-Cummings Hamiltonian including nonlinear terms. In

JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2012, vol. 45, no. 38, 385303., WOS

[1.1] OBADA, A-S F. - ABDEL-KHALEK, S. - KHALIL, E. M. - ALI, S. I. Effects of Stark shift and decoherence terms on the dynamics of phase-space entropy of the multiphoton Jaynes Cummings model. In PHYSICA SCRIPTA. ISSN 0031-8949, 2012, vol. 86, no. 5, 055009., WOS

[1.1] PRIYESH, K. V. - THAYYULLATHIL, Ramesh Babu. Effect of Phase Shifted Frequency Modulation on Two Level Atom-Field Interaction. In COMMUNICATIONS IN THEORETICAL PHYSICS. ISSN 0253-6102, 2012, vol. 57, no. 3, pp. 468., WOS

[1.1] VALVERDE, C. - DE OLIVEIRA, H. C. B. - AVELAR, A. T. - BASEIA, B. Controlling Excitation Inversion of a Cooper Pair Box Interacting with a Nanomechanical Resonator. In CHINESE PHYSICS LETTERS. ISSN 0256-307X, 2012, vol. 29, no. 8, 080303., WOS

[1.2] ABDEL-BASET, A.M. The effect of atomic spontaneous decay on the dynamics of the negativity of the Wigner function of radiation. In Chinese Physics B, 2011, vol.20, no.9., SCOPUS

[1.2] ABDEL-KHALEK, S. - ABDEL-KHALEK, S. - BERRADA, K. - OBADA, A. S F - WAHIDDIN, M. R B. Entropy squeezing for qubit-field system in the presence multi-photon process under decoherence effect. In Optical and Quantum Electronics. ISSN 03068919, 2014-01-01, 47, 2, pp. 267-278., SCOPUS

[1.2] ABDEL-RAHMAN, Essam O. - ABDEL-RAHMAN, Essam O. - MALKI, Zohair S A - ABDEL-KHALEK, S. Fisher Information Flow and Bifurcation Properties of Wehrl Entropy of a Single Qubit System Under the Damping Effect. In Journal of Russian Laser Research. ISSN 10712836, 2014-01-01, 35, 6, pp. 590-601., SCOPUS

[1.2] BHATTACHARYA, M. - OSBORN, K.D. - MIZEL, A. Jaynes-Cummings treatment of superconducting resonators with dielectric loss due to two-level systems. In Physical Review B Condensed Matter and Materials Physics, 2011, vol.84, no.10., SCOPUS

[1.2] CORDERO, S. - RÉCAMIER, J. Selective transition and complete revivals of a single two-level atom in the Jaynes-Cummings Hamiltonian with an additional Kerr medium. In Journal of Physics B: Atomic, Molecular and Optical Physics, 2011, vol.44, no.13., SCOPUS

[1.2] ENAKI, N. A. - KOROLI, V. I. - BAZGAN, S. Nonclassical light in two-photon Jaynes-Cummings model of a three-level atom with different dipole transitions. In Indian Journal of Physics. ISSN 09731458, 2014-01-01, 88, 1, pp. 25-30., SCOPUS

[1.2] PRIYESH, K.V. - THAYYULLATHIL, R.B. Control of collapse-revival phenomenon using a time varying squeezed field. In Journal of Nonlinear Optical Physics and Materials, 2011, vol.20, no.2, 155-165., SCOPUS

[1.2] SKOROMNIK, O. D. - FERANCHUK, I. D. Justification of the single-mode approximation for a finite-duration laser pulse interacting with an electron. In Journal of Physics B: Atomic, Molecular and Optical Physics. ISSN 09534075, 2014-06-14, 47, 11, 115601., SCOPUS

ADCA750 RAITH, 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. (3.664 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 1098-0121.

Ohlasy:

[1.1] SZALOWSKI, Karol. Electric field control of the indirect magnetic coupling through a short graphene nanoribbon. In *PHYSICAL REVIEW B*. ISSN 1098-0121, 2014, vol. 90, no. 8, 085410., WOS

ADCA751 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. ISSN 0163-1829.

Ohlasy:

[1.1] DANON, J. Spin-flip phonon-mediated charge relaxation in double quantum dots. In *PHYSICAL REVIEW B*. ISSN 1098-0121, 2013, vol. 88, no. 7, 075306., WOS

[1.1] MATHIAS LUNDE, Anders - LOPEZ-MONIS, Carlos - VASILIADOU, Ioanna A. - BONILLA, Luis L. - PLATERO, Gloria. Temperature-dependent dynamical nuclear polarization bistabilities in double quantum dots in the spin-blockade regime. In *PHYSICAL REVIEW B*. ISSN 1098-0121, 2013, vol. 88, no. 3, 035317., WOS

[1.1] REN, Y. F. - WANG, L. - LIU, Z. - WU, M. W. Energy spectra of three electrons in SiGe/Si/SiGe laterally coupled triple quantum dots. In *PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES*. ISSN 1386-9477, 2014, vol. 63, pp. 329., WOS

[1.1] WANG, K. - PAYETTE, C. - DOVZHENKO, Y. - DEELMAN, P. W. - PETTA, J. R. Charge Relaxation in a Single-Electron Si/SiGe Double Quantum Dot. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2013, vol. 111, no. 4, 046801., WOS

[1.1] ZENG, Zaiping - GAROUFALIS, Christos S. - BASKOUTAS, Sotirios. Linear and nonlinear optical susceptibilities in a laterally coupled quantum-dot-quantum-ring system. In *PHYSICS LETTERS A*. ISSN 0375-9601, 2014, vol. 378, no. 36, pp. 2713., WOS

ADCA752 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. (7.370 - IF2011). (2012 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Ohlasy:

[1.1] DANON, J. Spin-flip phonon-mediated charge relaxation in double quantum dots. In *PHYSICAL REVIEW B*. ISSN 1098-0121, 2013, vol. 88, no. 7, 075306., WOS

[1.1] ECHEVERRIA-ARRONDO, C. - SHERMAN, E. Ya. Relaxation of flying spin qubits in quantum wires by hyperfine interaction. In *PHYSICAL REVIEW B*. ISSN 1098-0121, 2013, vol. 87, no. 8, 081410., WOS

[1.1] HUNG, Jo-Tzu - CYWINSKI, Lukasz - HU, Xuedong - DAS SARMA, S. Hyperfine interaction induced dephasing of coupled spin qubits in semiconductor double quantum dots. In *PHYSICAL REVIEW B*. ISSN 1098-0121, 2013, vol. 88, no. 8, 085314., WOS

[1.1] HUNG, Jo-Tzu - FEI, Jianjia - FRIESEN, Mark - HU, Xuedong. Decoherence of an exchange qubit by hyperfine interaction. In *PHYSICAL REVIEW B*. ISSN 1098-0121, 2014, vol. 90, no. 4, 045308., WOS

- [1.1] KORNICH, Viktoriia - KLOEFFEL, Christoph - LOSS, Daniel. Phonon-mediated decay of singlet-triplet qubits in double quantum dots. In PHYSICAL REVIEW B. ISSN 1098-0121, 2014, vol. 89, no. 8, 085410., WOS
- [1.1] SRINIVASA, V. - NOWACK, K. C. - SHAFIEI, M. - VANDERSYPEN, L. M. K. - TAYLOR, J. M. Simultaneous Spin-Charge Relaxation in Double Quantum Dots. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2013, vol. 110, no. 19, 096803., WOS
- [1.1] TAHAN, Charles - JOYNT, Robert. Relaxation of excited spin, orbital, and valley qubit states in ideal silicon quantum dots. In PHYSICAL REVIEW B. ISSN 1098-0121, 2014, vol. 89, no. 7, 075302., WOS
- [1.1] ZWANENBURG, Floris A. - DZURAK, Andrew S. - MORELLO, Andrea - SIMMONS, Michelle Y. - HOLLENBERG, Lloyd C. L. - KLIMECK, Gerhard - ROGGE, Sven - COPPERSMITH, Susan N. - ERIKSSON, Mark A. Silicon quantum electronics. In REVIEWS OF MODERN PHYSICS. ISSN 0034-6861, 2013, vol. 85, no. 3, pp. 961., WOS

ADCA753 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. (3.774 - IF2010). (2011 - Current Contents, WOS, SCOPUS). ISSN 1098-0121.

Ohlasy:

- [1.1] BERMEISTER, Adam - KEITH, Daniel - CULCER, Dimitrie. Charge noise, spin-orbit coupling, and dephasing of single-spin qubits. In APPLIED PHYSICS LETTERS. ISSN 0003-6951, 2014, vol. 105, no. 19, 192102., WOS
- [1.1] CULCER, Dimitrie - ZIMMERMAN, Neil M. Dephasing of Si singlet-triplet qubits due to charge and spin defects. In APPLIED PHYSICS LETTERS. ISSN 0003-6951, 2013, vol. 102, no. 23, 232108., WOS
- [1.1] KURPAS, M. - KEDZIERSKA, B. - JANUS-ZYGMUNT, I. - MASKA, M. M. - ZIPPER, E. Electrical Control of Spin Relaxation Time in Complex Quantum Nanostructures. In ACTA PHYSICA POLONICA A. ISSN 0587-4246, 2014, vol. 126, no. 4A, pp. A20., WOS
- [1.1] REN, Y. F. - WANG, L. - LIU, Z. - WU, M. W. Energy spectra of three electrons in SiGe/Si/SiGe laterally coupled triple quantum dots. In PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES. ISSN 1386-9477, 2014, vol. 63, no., pp. 329., WOS
- [1.1] SRINIVASA, V. - NOWACK, K. C. - SHAFIEI, M. - VANDERSYPEN, L. M. K. - TAYLOR, J. M. Simultaneous Spin-Charge Relaxation in Double Quantum Dots. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2013, vol. 110, no. 19, 196803., WOS
- [1.1] TRACY, L. A. - LU, T. M. - BISHOP, N. C. - TEN EYCK, G. A. - PLUYM, T. - WENDT, J. R. - LILLY, M. P. - CARROLL, M. S. Electron spin lifetime of a single antimony donor in silicon. In APPLIED PHYSICS LETTERS. ISSN 0003-6951, 2013, vol. 103, no. 14, 143115., WOS
- [1.1] WANG, L. - WU, M. W. Singlet-triplet relaxation in SiGe/Si/SiGe double quantum dots. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2011, vol. 110, no. 4, pp., WOS
- [1.1] YANG, C. H. - ROSSI, A. - RUSKOV, R. - LAI, N. S. - MOHIYADDIN, F. A. - LEE, S. - TAHAN, C. - KLIMECK, G. - MORELLO, A. - DZURAK, A. S. Spin-valley lifetimes in a silicon quantum dot with tunable valley splitting. In NATURE COMMUNICATIONS. ISSN 2041-1723, 2013,

vol. 4, 2069., WOS

[1.1] ZWANENBURG, F.A. Silicon quantum electronics. In *REVIEWS OF MODERN PHYSICS*, 2013, vol. 85, p. 961-1019., WOS

ADCA754 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. (2.072 - IF2009). (2010 - Current Contents, WOS, SCOPUS). ISSN 0021-8979.

Ohlasy:

[1.1] ZHANG YUANYUAN - BAI XIAOJUN - CAO CHONGDE - ZHENG JIANBANG. Synthesis, Structure and Magnetic Property of L1(0)-FePt Nanoparticles. In *RARE METAL MATERIALS AND ENGINEERING*. ISSN 1002-185X, 2014, vol. 43, no. 6, pp. 1531-1536., WOS

[1.1] ZHANG, Zeqiang - SHARMA, Parmanand - YUBUTA, Kunio - MAKINO, Akihiro. Synthesis, microstructure and magnetic properties of low Nd content Fe₉₀Nd₅B_{3.5}M_{1.5} (M = Hf, Ti and Ta) alloys. In *JOURNAL OF APPLIED PHYSICS*. ISSN 0021-8979, 2012, vol. 111, no. 7, 07B501., WOS

ADCA755 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. (2.861 - IF2010). (2011 - Current Contents). ISSN 1050-2947.

Ohlasy:

[1.1] BERGOU, Janos - FELDMAN, Edgar - HILLERY, Mark. Extracting Information from a Qubit by Multiple Observers: Toward a Theory of Sequential State Discrimination. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2013, vol. 111, no. 10, 100501., WOS

[1.1] KAY, Alastair - RAMANATHAN, Ravishankar - KASZLIKOWSKI, Dagomir. OPTIMAL ASYMMETRIC QUANTUM CLONING FOR QUANTUM INFORMATION AND COMPUTATION. In *QUANTUM INFORMATION & COMPUTATION*. ISSN 1533-7146, 2013, vol. 13, no. 9-10, pp. 880., WOS

[1.1] NAGALI, Eleonora - FELICETTI, Simone - DE ASSIS, Pierre-Louis - D'AMBROSIO, Vincenzo - FILIP, Radim - SCIARRINO, Fabio. Testing sequential quantum measurements: how can maximal knowledge be extracted? In *SCIENTIFIC REPORTS*. ISSN 2045-2322, 2012, vol. 2, 443., WOS

[1.1] PANG, Chao-Qian - ZHANG, Fu-Lin - XU, Li-Fang - LIANG, Mai-Lin - CHEN, Jing-Ling. Sequential state discrimination and requirement of quantum dissonance. In *PHYSICAL REVIEW A*. ISSN 1050-2947, 2013, vol. 88, no. 5, 052331., WOS

ADCA756 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. (1.766 - IF2012). (2013 - Current Contents). ISSN 1751-8113.

Ohlasy:

[1.1] JANOTTA, Peter - HINRICHSSEN, Haye. Generalized probability theories: what determines the structure of quantum theory? In *JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL*. ISSN 1751-8113,

2014, vol. 47, no. 32, 323001., WOS

[1.1] PELLONPAA, Juha-Pekka. On coexistence and joint measurability of rank-1 quantum observables. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2014, vol. 47, no. 5, 052002., WOS

[1.1] UOLA, Roope - MORODER, Tobias - GUEHNE, Otfried. Joint Measurability of Generalized Measurements Implies Classicality. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2014, vol. 113, no. 16, 160403., WOS

ADCA757 REITZNER, Daniel - HILLERY, M. - FELDMAN, E. - BUŽEK, Vladimír.

Quantum searches on highly symmetric graphs. In *Physical Review A*, 2009, vol. 79, no. 1, 012323. (2.908 - IF2008). (2009 - Current Contents, WOS, SCOPUS). ISSN 1050-2947.

Ohlasy:

[1.1] ANDRADE, F. M. - DA LUZ, M. G. E. Green-function approach for scattering quantum walks. In PHYSICAL REVIEW A, 2011, vol.84, no.4, 042343., WOS

[1.1] ANDRADE, F. M. - DA LUZ, M. G. E. Superdiffusivity of quantum walks: A Feynman sum-over-paths description. In PHYSICAL REVIEW A. ISSN 1050-2947, 2012, vol. 86, no. 4, 042309., WOS

[1.1] ANISHCHENKO, Anastasiia - BLUMEN, Alexander - MUELKEN, Oliver. Enhancing the spreading of quantum walks on star graphs by additional bonds. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2012, vol. 11, no. 5, pp. 1273-1286., WOS

[1.1] DIMCOVIC, Zlatko - ROCKWELL, Daniel - MILLIGAN, Ian - BURTON, Robert M. - THINH NGUYEN - KOVCHEGOV, Yevgeniy. Framework for discrete-time quantum walks and a symmetric walk on a binary tree. In PHYSICAL REVIEW A, 2011, vol.84, no.3, 032311., WOS

[1.1] DOUGLAS, B. L. - WANG, J. B. Complexity Analysis of Quantum Walk Based Search Algorithms. In JOURNAL OF COMPUTATIONAL AND THEORETICAL NANOSCIENCE. ISSN 1546-1955, 2013, vol. 10, no. 7, pp. 1601., WOS

[1.1] HEN, Itay - YOUNG, A. P. Solving the graph-isomorphism problem with a quantum annealer. In PHYSICAL REVIEW A. ISSN 1050-2947, 2012, vol. 86, no. 4, 042310., WOS

[1.1] JAKUBCZYK, P. - KRAVETS, Y. - JAKUBCZYK, D. Entanglement of one-magnon Schur-Weyl states. In EUROPEAN PHYSICAL JOURNAL D, 2011, vol.61, no.2, p. 507-512., WOS

[1.1] KAHOU, Mahdi Ebrahimi - FEDER, David L. Quantum search with interacting Bose-Einstein condensates. In PHYSICAL REVIEW A. ISSN 1050-2947, 2013, vol. 88, no. 3, 032310., WOS

[1.1] LI, Xiaoyu - YANG, Guowu - TORRES, Carlos Manuel - ZHENG, Desheng - WANG, Kang L. A CLASS OF EFFICIENT QUANTUM INCREMENTER GATES FOR QUANTUM CIRCUIT SYNTHESIS. In INTERNATIONAL JOURNAL OF MODERN PHYSICS B. ISSN 0217-9792, 2014, vol. 28, no. 1, 1350191., WOS

[1.1] LI, Z. J. - IZAAC, J. A. - WANG, J. B. Position-defect-induced reflection, trapping, transmission, and resonance in quantum walks. In PHYSICAL REVIEW A. ISSN 1050-2947, 2013, vol. 87, no. 1, 012314., WOS

[1.1] MACHIDA, Takuya. Limit Distribution for a Time-Inhomogeneous 2-State Quantum Walk. In JOURNAL OF COMPUTATIONAL AND

THEORETICAL NANOSCIENCE. ISSN 1546-1955, 2013, vol. 10, no. 7, pp. 1571., WOS

[1.1] MACHIDA, Takuya. REALIZATION OF THE PROBABILITY LAWS IN THE QUANTUM CENTRAL LIMIT THEOREMS BY A QUANTUM WALK. In QUANTUM INFORMATION & COMPUTATION. ISSN 1533-7146, 2013, vol. 13, no. 5-6, pp. 430., WOS

[1.1] MISZCZAK, Jaroslaw Adam - SADOWSKI, Przemyslaw. QUANTUM NETWORK EXPLORATION WITH A FAULTY SENSE OF DIRECTION. In QUANTUM INFORMATION & COMPUTATION. ISSN 1533-7146, 2014, vol. 14, no. 13-14, pp. 1238., WOS

[1.1] MUELKEN, Oliver - BLUMEN, Alexander - MATRASULOV, D - STANLEY, HE. From Continuous-Time Random Walks to Continuous-Time Quantum Walks: Disordered Networks. In NONLINEAR PHENOMENA IN COMPLEX SYSTEMS: FROM NANO TO MACRO SCALE. ISSN 1871-4668, 2014, vol., no., pp. 189., WOS

[1.1] RUDINGER, Kenneth - GAMBLE, John King - WELLONS, Mark - BACH, Eric - FRIESEN, Mark - JOYNT, Robert - COPPERSMITH, S. N. Noninteracting multiparticle quantum random walks applied to the graph isomorphism problem for strongly regular graphs. In PHYSICAL REVIEW A. ISSN 1050-2947, 2012, vol. 86, no. 2, 022334., WOS

[1.1] RUDINGER, Kenneth - GAMBLE, John King - BACH, Eric - FRIESEN, Mark - JOYNT, Robert - COPPERSMITH, S. N. Comparing Algorithms for Graph Isomorphism Using Discrete- and Continuous-Time Quantum Random Walks. In JOURNAL OF COMPUTATIONAL AND THEORETICAL NANOSCIENCE. ISSN 1546-1955, 2013, vol. 10, no. 7, pp. 1653., WOS

[1.1] SHIKANO, Yutaka - SEGAWA, Etsuo - PEREZ, Armando - WANG, Jingbo. A Special Issue on Theoretical and Mathematical Aspects of Discrete Time Quantum Walks. In JOURNAL OF COMPUTATIONAL AND THEORETICAL NANOSCIENCE. ISSN 1546-1955, 2013, vol. 10, no. 7, pp. 1555., WOS

[1.1] STEFANAK, M. - BARNETT, S. M. - KOLLAR, B. - KISS, T. - JEX, I. Directional correlations in quantum walks with two particles. In NEW JOURNAL OF PHYSICS, 2011, vol.13, no. 033029., WOS

ADCA758 RIBANSKÝ, Igor - OBLOŽINSKÝ, Pavol - BĚTÁK, Emil. Pre-equilibrium decay and the exciton model. In *Nuclear Physics A*, 1973, vol. 205, p. 545-560. ISSN 0375-9474.

Ohlasy:

[1.1] HERMAN, M. - NOBRE, G. P A - PALUMBO, A. - DIETRICH, F. S. - BROWN, D. - HOBLIT, S. Coupled channels optical model potential for rare earth nuclei. In EPJ Web of Conferences, 2014, vol. 69, no. 11, 0007., WOS

[1.1] KAPLAN, A. - ÇAPALI, V. - ÖZDOĞAN, H. - AYDIN, A. - TEL, E. - SARPÜN, I. H. (3He,xn) reaction cross-section calculations for the structural fusion material ¹⁸¹Ta in the energy range of 14-75 MeV. In Journal of Fusion Energy, 2014, vol. 33, pp. 510-515., WOS

[1.1] UGUR F.A.-TEL E.-GOKCE A.A. In JOURNAL OF FUSION ENERGY, 2013, vvol. 32, p. 414., WOS

- ADCA759 RIBANSKY, I. - KRIŠTIAK, 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. ISSN 0011-4626.
Ohlasy:
[1.1] Zhou, F. Activation cross section. In NUCLEAR INSTRUMENTS AND METHODS, 2011, vol. 269, no. 7, p. 642-646., WOS
- ADCA760 RICHARDS, H.L. - KOLEŠÍK, Miroslav - LINDGARD, P.A. - RIKVOLD, P.A. - NOVOTNY, M.A. Effects of boundary conditions on magnetization switching in kinetic Ising model. In *Physical Review B*, 1997, vol. 55, no. 17, p. 11521-11540. (2.975 - IF1996). (1997 - Current Contents). ISSN 1098-0121.
Ohlasy:
[1.2] ENACHESCU, C. - NISHINO, M. - MIYASHITA, S. - STOLERIU, L. - STANCU, A. Monte carlo metropolis study of cluster evolution in spin-crossover solids within the framework of a mechanoelastic model. In *Physical Review B Condensed Matter and Materials Physics*, 2012, 86, 5, 054114., SCOPUS
[1.2] CHAKRABORTY, Pradip - ENACHESCU, Cristian - HAUSER, Andreas W H. Analysis of the experimental data for pure and diluted $[\text{Fe}_x\text{Zn}_{1-x}(\text{btr})_3(\text{ClO}_4)_2]$ spin-crossover solids in the framework of a mechanoelastic model. In *European Journal of Inorganic Chemistry*. ISSN 14341948, 2013-02-01, 5-6, pp. 770-780., SCOPUS
[1.2] LIAO, Jung Wei - LIAO, Jung Wei - ATXITIA, Unai - ATXITIA, Unai - EVANS, Richard F L - CHANTRELL, Roy W. - LAI, Chih Huang. Atomistic modeling of magnetization reversal modes in L10 FePt nanodots with magnetically soft edges. In *Physical Review B Condensed Matter and Materials Physics*. ISSN 10980121, 2014-11-13, 90, 17, 174415., SCOPUS
[1.2] NISHINO, M. - ENACHESCU, C. - MIYASHITA, S. - RIKVOLD, P.A. - BOUKHEDDADEN, K. - VARRET, F. Macroscopic nucleation phenomena in continuum media with long-range interactions. In *Scientific Reports*, 2011, vol.1, no. 162., SCOPUS
[1.2] PARK, H. - PLEIMLING, M. Surface criticality at a dynamic phase transition. In *Physical Review Letters*, 2012, 109, 17, 175703., SCOPUS
[1.2] STOLERIU, L. - CHAKRABORTY, P. - HAUSER, A. - STANCU, A. - ENACHESCU, C. Thermal hysteresis in spin-crossover compounds studied within the mechanoelastic model and its potential application to nanoparticles. In *Physical Review B Condensed Matter and Materials Physics*, 2011, vol.84, no.13, 134102., SCOPUS
- ADCA761 RIKVOLD, P.A. - KOLEŠÍK, Miroslav. Analytic approximations for the velocity of field-driven Ising interfaces. In *Journal of Statistical Physics*, 2000, vol. 100, p. 377-403. (1.192 - IF1999). ISSN 0022-4715/00.
Ohlasy:
[1.1] YAMAMOTO, Yoh - PARK, Kyungwha. Metastability for the Blume-Capel model with distribution of magnetic anisotropy using different dynamics. In *PHYSICAL REVIEW E*. ISSN 1539-3755, 2013, vol. 88, no. 1, 012110., WOS
- ADCA762 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*, 2007, vol. 575, no. 1-2, p. 126-129. (1.190 - IF2006). (2007 - Current Contents). ISSN 0168-9002.

Ohlasy:

[1.1] ALAWIEH, L.-WEIHS, T.P.-KNIO, O.M. In COMBUSTION AND FLAME, 2013, vol. 160, p. 1857., WOS

[1.1] LI, H.P. In CURRENT OPINION IN CHEMICAL ENGINEERING, 2014, vol. 3, pp. 1-6., WOS

[1.1] RAMOS, A.S. et al. In THIN SOLID FILMS, 2014, vol. 571, pp. 268-274., WOS

[1.1] SRAJ, I. et al. In JOURNAL OF APPLIED PHYSICS, 2014, vol. 115, 023515., WOS

[1.1] SRAJ, I. In JOURNAL OF NANOMATERIALS, 2013, 198096., WOS

[1.1] VAUCHER, S. Reactive synthesis of Ti-Al intermetallics. In TERMOCHIMICA ACTA, 2011, VOL. 522, NO. 1-2, P. 151-154., WOS

[1.1] WEIHS, T.P. In ELECTRONIC AND OPTICAL MATERIALS, 2014, no. 40, pp. 160-243., WOS

ADCA763 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. (10.015 - IF2012). (2013 - Current Contents). ISSN 2041-1723.

Ohlasy:

[1.1] JENKINS, David Gareth. Recent advances in nuclear physics through on-line isotope separation. In NATURE PHYSICS. ISSN 1745-2473, 2014, vol. 10, no. 12, pp. 909., WOS

[1.1] KIM, Inkoo - LEE, Yoon Sup. Two-component multi-configurational second-order perturbation theory with Kramers restricted complete active space self-consistent field reference function and spin-orbit relativistic effective core potential. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2014, vol. 141, no. 16, 164104., WOS

[1.1] LAATIAOUI, Mustapha - BACKE, Hartmut - BLOCK, Michael - HESSBERGER, Fritz-Peter - KUNZ, Peter - LAUTENSCHLAEGER, Felix - LAUTH, Werner - SEWTZ, Michael - WALTHER, Thomas. On laser spectroscopy of the element nobelium (Z=102). In EUROPEAN PHYSICAL JOURNAL D. ISSN 1434-6060, 2014, vol. 68, no. 3, 71., WOS

[1.1] LAATIAOUI, M. - BACKE, H. - BLOCK, M. - CHHETRI, P. - LAUTENSCHLAEGER, F. - LAUTH, W. - WALTHER, Th. Perspectives for

laser spectroscopy of the element nobelium. In HYPERFINE INTERACTIONS. ISSN 0304-3843, 2014, vol. 227, no. 1-3, pp. 69., WOS

ADCA764 RÜHLÄNDER, M. - MARKOŠ, Peter - SOUKOULIS, C.M. Symmetry, dimension and the distribution of the conductance at the mobility edge. In *Physical Review B*, 2001, vol. 64, p. 212202. (3.065 - IF2000). (2001 - Current Contents, WOS, SCOPUS). ISSN 1098-0121.

Ohlasy:

[1.1] MENDEZ-BERMEDEZ, J. A. - ALCAZAR-LOPEZ, A. - VARGA, Imre. On the generalized dimensions of multifractal eigenstates. In JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT. ISSN 1742-5468, 2014, P11012., WOS

ADCA765 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, p. 042315. (2.684 - IF2000). ISSN 1050-2947.

Ohlasy:

[1.1] ABDEL-ATY, M. In PHYSICA E, 2011, vol. 43, P. 1623., WOS

[1.1] ABDEL-KHALEK, S. - BERRADA, K. - OBADA, A. S. F. Quantum Fisher information for a single qubit system. In EUROPEAN PHYSICAL JOURNAL D. ISSN 1434-6060, 2012, vol. 66, no. 3., WOS

[1.1] ABDEL-WAHAB, N.H. In PHYSICA SCRIPTA, 2011, vol. 84, 015401., WOS

[1.1] AKHTARSHENAS, Seyed Javad. Concurrence of superpositions of many states. In PHYSICAL REVIEW A, 2011, vol.83, no.4., WOS

[1.1] BERRADA, K. - BENMOUSSA, A. - HASSOUNI, Y. Entanglement generation with deformed Barut-Girardello coherent states as input states in an unitary beam splitter. In QUANTUM INFORMATION PROCESSING, 2011, vol.10, no.5, 575., WOS

[1.1] BERRADA, K. - MOHAMMAZADE, A. - ABDEL-KHALEK, S. - ELEUCH, H. - SALIMI, S. Nonlocal correlations for manifold quantum systems: Entanglement of two-spin states. In PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES. ISSN 1386-9477, 2012, vol. 45, pp. 21., WOS

[1.1] COTO, R.- ORSZAG, M. In JOURNAL OF PHYSICS B, 2013, vol. 46, 175503., WOS

[1.1] DAOUD, M. - CHOUBABI, E. B. BIPARTITE ENTANGLEMENT OF MULTIPARTITE COHERENT STATES USING QUANTUM NETWORK OF BEAM SPLITTERS. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION. ISSN 0219-7499, 2012, vol. 10, no. 1., WOS

[1.1] DAOUD, M. - LAAMARA, R. Ahl. QUANTUM DISCORD FOR MULTIPARTITE COHERENT STATES INTERPOLATING BETWEEN WERNER AND GREENBERGER-HORNE-ZEILINGER STATES. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION. ISSN 0219-7499, 2012, vol. 10, no. 5., WOS

[1.1] DERMEZ, Rasim - KHALEK, S. Abdel - KARA, Kemal - DEVECI, Bekir - GUNAYDIN, G. N. FULL-TRAPPED THREE-LEVEL ION IN THE LAMB-DICKE LIMIT: ANALYZING AND COMPARING QUANTUM ENTANGLEMENT MEASURES OF TWO QUDITS. In JOURNAL OF RUSSIAN LASER RESEARCH. ISSN 1071-2836, 2012, vol. 33, no. 1, pp. 42.,

WOS

- [1.1] DERMEZ, R. In JOURNAL OF RUSSIAN LASER RESEARCH, 2011, vol. 32, p. 287., WOS
- [1.1] GESSNER, Manuel - BREUER, Heinz-Peter. Detecting Nonclassical System-Environment Correlations by Local Operations. In PHYSICAL REVIEW LETTERS, 2011, vol.107, no.18., WOS
- [1.1] HESSIAN, Hosny A. - HASHEM, M. Entanglement and purity loss for the system of two 2-level atoms in the presence of the Stark shift. In QUANTUM INFORMATION PROCESSING, 2011, vol.10, no.4, 543., WOS
- [1.1] HE, S.-J. In COMMUNICATIONS IN THEORETICAL PHYSICS, 2011, vol. 55, NO. 2, p. 251., WOS
- [1.1] HUANG, Yi - QIU, Daowen. Concurrence vectors of multipartite states based on coefficient matrices. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2012, vol. 11, no. 1, pp. 235., WOS
- [1.1] CHEN, Zhi-Hua - MA, Zhi-Hao - GUEHNE, Otfried - SEVERINI, Simone. Estimating Entanglement Monotones with a Generalization of the Wootters Formula. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2012, vol. 109, no. 20., WOS
- [1.1] JELLAL, Ahmed - MADOURI, Fethi - MERDADI, Abdeldjalil. Entanglement in coupled harmonic oscillators studied using a unitary transformation. In JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT, 2011, vol., no., WOS
- [1.1] JIMENEZ FARIAS, O. - VALDES-HERNANDEZ, A. - AGUILAR, G. H. - SOUTO RIBEIRO, P. H. - WALBORN, S. P. - DAVIDOVICH, L. - QIAN, Xiao-Feng - EBERLY, J. H. Experimental investigation of dynamical invariants in bipartite entanglement. In PHYSICAL REVIEW A. ISSN 1050-2947, 2012, vol. 85, no. 1., WOS
- [1.1] JIMENEZ FARIAS, O. - AGUILAR, G. H. - VALDES-HERNANDEZ, A. - SOUTO RIBEIRO, P. H. - DAVIDOVICH, L. - WALBORN, S. P. Observation of the Emergence of Multipartite Entanglement Between a Bipartite System and its Environment. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2012, vol. 109, no. 15., WOS
- [1.1] LEE, Sang Min - LEE, Hai-Woong. An Efficient Tomographic Scheme for a Single-Particle Multi-mode System. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2011, vol.50, no.10, 3230., WOS
- [1.1] LI MING - FEI SHAOMING - LI-JOST XIANQING. Bell inequality, separability and entanglement distillation. In CHINESE SCIENCE BULLETIN, 2011, vol.56, no.10, 945., WOS
- [1.1] LIU, Bi-Heng - LI, Li - HUANG, Yun-Feng - LI, Chuan-Feng - GUO, Guang-Can - LAINE, Elsi-Mari - BREUER, Heinz-Peter - PILO, Jyrki. Experimental control of the transition from Markovian to non-Markovian dynamics of open quantum systems. In NATURE PHYSICS, 2011, vol.7, no.12, 931., WOS
- [1.1] LI, Dafa. The n-tangle of odd n qubits. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2012, vol. 11, no. 2, pp. 481., WOS
- [1.1] LI, Ming - FEI, Shao-Ming. Method for measuring the entanglement of formation for arbitrary-dimensional pure states. In PHYSICAL REVIEW A. ISSN 1050-2947, 2012, vol. 85, no. 1., WOS
- [1.1] LI, Xiao-Sheng - GAO, Xiu-Hong - FEI, Shao-Ming. Lower bound of

- concurrence based on positive maps. In PHYSICAL REVIEW A, 2011, vol.83, no.3., WOS
- [1.1] OXMAN, L. E. - KHOURY, A. Z. Fractional Topological Phase for Entangled Qudits. In PHYSICAL REVIEW LETTERS, 2011, vol.106, no.24., WOS
- [1.1] PIANI, M. In PHYSICAL REVIEW A, 2011, vol. 84, 032304., WOS
- [1.1] RAFSANJANI, S. M. Hashemi - HUBER, M. - BROADBENT, C. J. - EBERLY, J. H. Genuinely multipartite concurrence of N-qubit X matrices. In PHYSICAL REVIEW A. ISSN 1050-2947, 2012, vol. 86, no. 6., WOS
- [1.1] ROSSIGNOLI, R. In PHYSICAL REVIEW A, 2011, vol. 84, 052329., WOS
- [1.1] ROSSIGNOLI, R. - CANOSA, N. - CILIBERTI, L. GENERALIZED MEASURES OF QUANTUM CORRELATIONS FOR MIXED STATES. In JOURNAL OF RUSSIAN LASER RESEARCH, 2011, vol.32, no.5, 467., WOS
- [1.1] RUDOLFSSON, Pierre - SJOQVIST, Erik. RELATIVE STATE MEASURES OF CORRELATIONS IN BIPARTITE QUANTUM SYSTEMS. In QUANTUM INFORMATION & COMPUTATION. ISSN 1533-7146, 2012, vol. 12, no. 1-2, pp. 119., WOS
- [1.1] SABOUR, Abbass - JAFARPOUR, Mojtaba. Probability interpretation, an equivalence relation, and a lower bound on the convex-roof extension of negativity. In PHYSICAL REVIEW A. ISSN 1050-2947, 2012, vol. 85, no. 4., WOS
- [1.1] SALIMI, S. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2011, vol. 50, NO. 5, p. 1444., WOS
- [1.1] SALIMI, S. - MOHAMMADZADE, A. Study of Concurrence and D-Concurrence on Two-Qubits Resulted in Pair Coherent States in Language of SU(2) Coherent States. In COMMUNICATIONS IN THEORETICAL PHYSICS, 2011, vol.56, no.2, 241., WOS
- [1.1] SALIMI, S. - MOHAMMADZADE, A. - BERRADA, K. Concurrence for a two-qubits mixed state consisting of three pure states in the framework of SU(2) coherent states. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2012, vol. 11, no. 2, pp. 501., WOS
- [1.1] SHI, Mingjun - YANG, Wei - JIANG, Fengjian - DU, Jiangfeng. Quantum discord of two-qubit rank-2 states. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL, 2011, vol.44, no.41., WOS
- [1.1] SINGH, M.P.- RAJPUT, B.S. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2013, vol. 52, pp. 4237., WOS
- [1.1] SIOMAU, Michael - KAMLI, Ali A. Defeating entanglement sudden death by a single local filtering. In PHYSICAL REVIEW A. ISSN 1050-2947, 2012, vol. 86, no. 3., WOS
- [1.1] SIOMAU, Michael. Entanglement dynamics of three-qubit states in local many-sided noisy channels. In JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS. ISSN 0953-4075, 2012, vol. 45, no. 3., WOS
- [1.1] TICHY, Malte C. - MINTERT, Florian - BUCHLEITNER, Andreas. Essential entanglement for atomic and molecular physics. In JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS, 2011, vol.44, no.19., WOS
- [1.1] TOLOUI, B. In PHYSICAL REVIEW A, 2011, vol. 84, 022322., WOS
- [1.1] TROIANI, F. Entanglement in finite spin rings with noncollinear Ising

- interaction. In PHYSICAL REVIEW A, 2011, vol.83, no.2., WOS
- [1.1] XIAO, Hailin - OUYANG, Shan. Capacity of multiple-input multiple-output quantum depolarizing channels. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2012, vol. 112, no. 3., WOS
- [1.1] ZHAO, M.J. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2013, vol. 52, pp. 2379., WOS
- [1.1] ZHAO, M.-J. In PHYSICAL REVIEW A, 2011, vol. 84, 062322., WOS
- [1.1] ZHU, Huangjun - ENGLERT, Berthold-Georg. Quantum state tomography with fully symmetric measurements and product measurements. In PHYSICAL REVIEW A, 2011, vol.84, no.2., WOS
- [1.1] ZHU, Xue-Na - LI, Ming - FEI, Shao-Ming - DARIANO, M - FEI, SM - HAVEN, E - HIESMAYR, B - JAEGER, G - KHRENNIKOV, A - LARSSON, JA. Lower Bounds of Concurrence for Multipartite States. In FOUNDATIONS OF PROBABILITY AND PHYSICS 6. ISSN 0094-243X, 2012, vol. 1424., WOS
- [1.1] ZHU, Xue-Na - ZHAO, Ming-Jing - FEI, Shao-Ming. Lower bound of multipartite concurrence based on subquantum state decomposition. In PHYSICAL REVIEW A. ISSN 1050-2947, 2012, vol. 86, no. 2., WOS
- [1.2] ABDEL-ATY, M. - ABDEL-ATY, M. - ABDEL-ATY, M. - BOUCHENE, M. - MCGURN, A. R. Entanglement rebirth of multi-trapped ions with trap phonon modes: Entanglement sudden death with recovery. In Quantum Information Processing. ISSN 15700755, 2014-01-01, 13, 9, pp. 1937-1950., SCOPUS
- [1.2] AKHTARSHENAS, S. Javad - AKHTARSHENAS, S. Javad - AKHTARSHENAS, S. Javad - MOHAMMADI, Hamidreza - MOHAMMADI, Hamidreza - KARIMI, Saman - AZMI, Zahra. Computable measure of quantum correlation. In Quantum Information Processing. ISSN 15700755, 2014-01-01, 14, 1, pp. 247-267., SCOPUS
- [1.2] APPLEBY, D. M. - FUCHS, Christopher A. - ZHU, Huangjun. Group theoretic, Lie algebraic and Jordan algebraic formulations of the SIC existence problem. In Quantum Information and Computation. ISSN 15337146, 2014-01-01, 15, 1-2, pp. 61-94., SCOPUS
- [1.2] BAI, Yan Kui - BAI, Yan Kui - XU, Yuan Fei - WANG, Z. D. Hierarchical monogamy relations for the squared entanglement of formation in multipartite systems. In Physical Review A Atomic, Molecular, and Optical Physics. ISSN 10502947, 2014-12-29, 90, 6, 062343., SCOPUS
- [1.2] CILIBERTI, L. - CANOSA, N. - ROSSIGNOLI, R. R. Discord and information deficit in the XX chain. In Physical Review A Atomic, Molecular, and Optical Physics. ISSN 10502947, 2013-07-22, 88, 1, 012119., SCOPUS
- [1.2] CORNELIO, Marcio F. Multipartite monogamy of the concurrence. In Physical Review A Atomic, Molecular, and Optical Physics. ISSN 10502947, 2013-03-25, 87, 3, 032330., SCOPUS
- [1.2] DAOUD, M. - DAOUD, M. - DAOUD, M. - LAAMARA, R. Ahl - LAAMARA, R. Ahl - KAYDI, W. Unified scheme for correlations using linear relative entropy. In Physics Letters, Section A: General, Atomic and Solid State Physics. ISSN 03759601, 2014-11-07, 378, 47, pp. 3501-3508., SCOPUS
- [1.2] ENRÍQUEZ, Marco - QUINTANA, Claudia - ROSAS-ORTIZ, Oscar. Time-evolution of entangled bipartite atomic systems in quantized radiation fields. In Journal of Physics: Conference Series. ISSN 17426588, 2014-01-01,

512, 1., SCOPUS

[1.2] FENG, Hai Ran - MENG, Xiang Jia - LI, Peng - ZHENG, Yu Jun. Dynamical correlation between quantum entanglement and intramolecular energy in molecular vibrations: An algebraic approach. In Chinese Physics B. ISSN 16741056, 2014-07-01, 23, 7, 073301., SCOPUS

[1.2] FONSECA-ROMERO, K. M. - DE OLIVEIRA, J. G G - PEIXOTO DE FARIA, J. G. - NEMES, M. C. Interference and which-state information for nonorthogonal states. In Physical Review A Atomic, Molecular, and Optical Physics. ISSN 10502947, 2014-12-01, 90, 6, 062102., SCOPUS

[1.2] GESSNER, Manuel - BREUER, Heinz Peter. Local witness for bipartite quantum discord. In Physical Review A Atomic, Molecular, and Optical Physics. ISSN 10502947, 2013-04-15, 87, 4, 042107., SCOPUS

[1.2] GUO, Yu - HOU, Jinchuan - WANG, Yuncai. Concurrence for infinite-dimensional quantum systems. In Quantum Information Processing. ISSN 15700755, 2013-08-01, 12, 8, pp. 2641-2653., SCOPUS

[1.2] HARDAL, Ali Ü C - MÜSTECAPHOĞLU, Özgür E. Spin squeezing, entanglement, and coherence in two driven, dissipative, nonlinear cavities coupled with single- and two-photon exchange. In Journal of the Optical Society of America B: Optical Physics. ISSN 07403224, 2014-06-01, 31, 6, pp. 1402-1409., SCOPUS

[1.2] HUANG, Jie Hui - HU, Li Yun - WANG, Lei - ZHU, Shi Yao. Separability criterion for bipartite states and its generalization to multipartite systems. In Chinese Physics Letters. ISSN 0256307X, 2014-01-01, 31, 4, 040303., SCOPUS

[1.2] HUA, Bobo - HUA, Bobo - FEI, Shaoming - FEI, Shaoming - JOST, Jürgen - JOST, Jürgen - JOST, Jürgen - LI-JOST, Xianqing - LI-JOST, Xianqing. Schmidt-Related states, weak schmidt decomposition and generalized bell bases related to hadamard matrices. In Reports on Mathematical Physics. ISSN 00344877, 2014-01-01, 74, 1, pp. 89-103., SCOPUS

[1.2] JEŽEK, M. - MIČUDA, M. - STRAKA, I. - MIKOVÁ, M. - DUŠEK, M. - FIURÁŠEK, J. Orthogonalization of partly unknown quantum states. In Physical Review A Atomic, Molecular, and Optical Physics. ISSN 10502947, 2014-04-18, 89, 4, 042316., SCOPUS

[1.2] KARIMI, Amir - KARIMI, Amir - TAVASSOLY, Mohammad Kazem - TAVASSOLY, Mohammad Kazem. Quantum engineering and nonclassical properties of SU(1,1) and SU(2) entangled nonlinear coherent states. In Journal of the Optical Society of America B: Optical Physics. ISSN 07403224, 2014-01-01, 31, 10, pp. 2345-2353., SCOPUS

[1.2] KHOURY, Antonio Zelaquett - OXMAN, Luis E. - MARQUES, Breno - MATOSO, A. A. - PÁDUA, Sebastião. Fractional topological phase on spatially encoded photonic qudits. In Physical Review A Atomic, Molecular, and Optical Physics. ISSN 10502947, 2013-04-19, 87, 4, 042113., SCOPUS

[1.2] KHOURY, A. Z. - OXMAN, L. E. Topological phase structure of entangled qudits. In Physical Review A Atomic, Molecular, and Optical Physics. ISSN 10502947, 2014-03-07, 89, 3, 032106., SCOPUS

[1.2] LEMOS, G. Barreto - LEMOS, G. Barreto - LEMOS, G. Barreto - DE ALMEIDA, J. O. - WALBORN, S. P. - RIBEIRO, P. H Souto - HOR-MEYLL, M. Characterization of a spatial light modulator as a polarization quantum channel. In Physical Review A Atomic, Molecular, and Optical Physics. ISSN 10502947, 2014-04-25, 89, 4, 042119., SCOPUS

- [1.2] LI, Ji Qiang - ZHOU, Bin. Global entanglement in ground state of (Cu3) single-molecular magnet with magnetic field. In Chinese Physics B. ISSN 16741056, 2014-07-01, 23, 7, 070302., SCOPUS
- [1.2] LONE, M. Q. - DEY, A. - YARLAGADDA, S. Study of two-spin entanglement in singlet states. In Solid State Communications. ISSN 00381098, 2014-01-01, 202, pp. 73-77., SCOPUS
- [1.2] MARQUES, Breno - MATOSO, A. A. - PIMENTA, Wanderson M. - GUTIÉRREZ-ESPARZA, A. J. - LIMA, Gustavo H R A - NEVES, Leonardo C. - DELGADO, Aldo P. - SAAVEDRA, Carlos E. - PÁDUA, Sebastião. Optimal entanglement concentration for photonic qutrits encoded in path variables. In Physical Review A Atomic, Molecular, and Optical Physics. ISSN 10502947, 2013-05-28, 87, 5, 052327., SCOPUS
- [1.2] OBADA, Abdel Shafy Fahmy - ABDEL-KHALEK, Sayed - BERRADA, Khalid - SHAHEEN, Mahboob E. Investigations of information quantifiers for the Tavis-Cummings model. In Physica A: Statistical Mechanics and its Applications. ISSN 03784371, 2013-12-15, 392, 24, pp. 6624-6632., SCOPUS
- [1.2] ORSZAG, Miguel - CIOBANU, Nelu - COTO, Raul - EREMEEV, Vitalie. Quantum correlations in cavity QED networks. In Journal of Modern Optics. ISSN 09500340, 2014-01-01, 62, 8, pp. 593-607., SCOPUS
- [1.2] OSTERLOH, Andreas. Entanglement and its multipartite extensions. In International Journal of Modern Physics B. ISSN 02179792, 2013-01-30, 27, 1-3, 134018., SCOPUS
- [1.2] OXMAN, L. E. - KHOURY, A. Z. Non Abelian structures and the geometric phase of entangled qudits. In Annals of Physics. ISSN 00034916, 2014-12-01, 351, pp. 138-151., SCOPUS
- [1.2] POSAZHENNIKOVA, Anna I. - BIRMUSKE, Reinhard - BRUDERER, Martin - BELZIG, Wolfgang. Entanglement generation in a system of two atomic quantum dots coupled to a pool of interacting bosons. In Physical Review A Atomic, Molecular, and Optical Physics. ISSN 10502947, 2013-10-03, 88, 4, 042302., SCOPUS
- [1.2] QIN, Huihui - FEI, Shaoming. Lower bound of concurrence based on generalized positive maps. In Communications in Theoretical Physics. ISSN 02536102, 2013-12-01, 60, 6, pp. 663-666., SCOPUS
- [1.2] SAINZ, Isabel - KLIMOV, Andrei B. - ROA, Luis Fernando. Equidistant-state preparation. In Physical Review A Atomic, Molecular, and Optical Physics. ISSN 10502947, 2013-09-09, 88, 3, UNSP 033819., SCOPUS
- [1.2] SAZIM, Sk - CHAKRABARTY, Indranil. A study of teleportation and super dense coding capacity in remote entanglement distribution. In European Physical Journal D. ISSN 14346060, 2013-08-01, 67, 8, 174., SCOPUS
- [1.2] SINGH, Manu Pratap - RAJPUT, B. S. New Maximally Entangled States and Pattern Classification in Two-Qubit System. In International Journal of Theoretical Physics. ISSN 00207748, 2014-01-01, 53, 9, pp. 3226-3238., SCOPUS
- [1.2] SOLÍS-PROSSER, M. A. - SOLÍS-PROSSER, M. A. - SOLÍS-PROSSER, M. A. - DELGADO, A. - DELGADO, A. - DELGADO, A. - JIMÉNEZ, O. - NEVES, L. Deterministic and probabilistic entanglement swapping of nonmaximally entangled states assisted by optimal quantum state discrimination. In Physical Review A Atomic, Molecular, and Optical Physics. ISSN 10502947, 2014-01-31, 89, 1, 012337., SCOPUS

- [1.2] SONG, Hongting - PAN, Yu - XI, Zairong. Dynamical control of quantum correlations in a common environment. In *International Journal of Quantum Information*. ISSN 02197499, 2013-02-01, 11, 1, 1350012., SCOPUS
- [1.2] VALLONE, Giuseppe - VALLONE, Giuseppe - LIMA, Gustavo - GÓMEZ, Esteban S. - CAÑAS, Gustavo - LARSSON, Jan Åke - MATALONI, Paolo - MATALONI, Paolo - CABELLO, Adán. Bell scenarios in which nonlocality and entanglement are inversely related. In *Physical Review A Atomic, Molecular, and Optical Physics*. ISSN 10502947, 2014-03-01, 89, 1, 012102., SCOPUS
- [1.2] WILSON, Justin H. - MITCHELL, Joe - GALITSKI, Victor. Probing the structure of entanglement with entanglement moments. In *Solid State Communications*. ISSN 00381098, 2014-01-01, 195, pp. 43-48., SCOPUS
- [1.2] WİßMANN, Steffen - LEGGIO, Bruno - BREUER, Heinz Peter. Detecting initial system-environment correlations: Performance of various distance measures for quantum states. In *Physical Review A Atomic, Molecular, and Optical Physics*. ISSN 10502947, 2013-08-12, 88, 2, 022108., SCOPUS
- [1.2] WOOTTERS, William K. The rebit three-tangle and its relation to two-qubit entanglement. In *Journal of Physics A: Mathematical and Theoretical*. ISSN 17518113, 2014-10-24, 47, 42, 424037., SCOPUS
- [1.2] YU, Chang Shui - ZHANG, Yang - ZHAO, Haiqing. Quantum correlation via quantum coherence. In *Quantum Information Processing*. ISSN 15700755, 2014-01-01, 13, 6, pp. 1437-1456., SCOPUS
- [1.2] ZHANG, Tinggui - JING, Naihuan - LI-JOST, Xianqing Qing - ZHAO, Mingjing - FEI, Shaoming. A note on state decomposition independent local invariants. In *European Physical Journal D*. ISSN 14346060, 2013-08-01, 67, 8, 175., SCOPUS
- [1.2] ZHANG, Tinggui - ZHAO, Mingjing - LI, Ming - FEI, Shaoming - LI-JOST, Xianqing Qing. Criterion of local unitary equivalence for multipartite states. In *Physical Review A Atomic, Molecular, and Optical Physics*. ISSN 10502947, 2013-10-03, 88, 4, 042304., SCOPUS
- [1.2] ZHAO, Mingjing - ZHANG, Tinggui - LI-JOST, Xianqing Qing - FEI, Shaoming. Identification of three-qubit entanglement. In *Physical Review A Atomic, Molecular, and Optical Physics*. ISSN 10502947, 2013-01-17, 87, 1, 012316., SCOPUS
- [1.2] ZHU, Xue Na - FEI, Shao Ming - FEI, Shao Ming. Entanglement monogamy relations of qubit systems. In *Physical Review A Atomic, Molecular, and Optical Physics*. ISSN 10502947, 2014-08-28, 90, 2, .., SCOPUS
- [1.2] ZHU, Xue Na - FEI, Shao Ming - FEI, Shao Ming. Lower bound of concurrence for qubit systems. In *Quantum Information Processing*. ISSN 15700755, 2014-03-01, 13, 3, pp. 815-823., SCOPUS

ADCA766 RUSSEW, K. - SOMMER, F. - DUHAJ, Pavol - BAKONYI, Y. Viscous-flow behavior of NIXZR100-X metallic glasses. In *Journal of Materials Science*, 1992, vol. 27, no. 13, p. 3565-3569. (0.800 - IF1991). (1992 - Current Contents). ISSN 0022-2461.

Ohlasy:

- [1.1] KABAN, I. - JOVARI, P. - KOKOTIN, V. - SHULESHOVA, O. - BEUNEU, B. - SAKSL, K. - MATTERN, N. - ECKERT, J. - GREER, A. L. Local atomic arrangements and their topology in Ni-Zr and Cu-Zr glassy and

crystalline alloys. In ACTA MATERIALIA. ISSN 1359-6454, 2013, vol. 61, no. 7, pp. 2509., WOS

ADCA767 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. (0.852 - IF1996). (1997 - Current Contents, WOS, SCOPUS). ISSN 0921-5093.

Ohlasy:

[1.1] KOLANO-BURIAN, Aleksandra - WLODARCZYK, Patryk - HAWELEK, Lukasz - KOLANO, Roman - POLAK, Marcin - ZACKIEWICZ, Przemyslaw - TEMLEITNER, Laszlo. Impact of cobalt content on the crystallization pattern in the Finemet-type ribbons. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2014, vol. 615, pp. S203., WOS

ADCA768 RYBÁR, Tomáš - ZIMAN, Mário. Quantum finite-depth memory channels: Case study. In *Physical Review A*, 2009, vol. 80, no. 4, 042306. ISSN 1050-2947.

Ohlasy:

[1.1] AHLBRECHT, Andre - RICHTER, Florian - WERNER, Reinhard F. HOW LONG CAN IT TAKE FOR A QUANTUM CHANNEL TO FORGET EVERYTHING? In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION. ISSN 0219-7499, 2012, vol. 10, no. 5, 1250057., WOS

ADCA769 RYBÁR, Tomáš - ZIMAN, Mário. Repeatable quantum memory channels. In *Physical Review A*, 2008, vol. 78, no. 5, 052114. (2.893 - IF2007). (2008 - Current Contents). ISSN 1050-2947.

Ohlasy:

[1.1] FAN, Heng - WANG, Yi-Nan - JING, Li - YUE, Jie-Dong - SHI, Han-Duo - ZHANG, Yong-Liang - MU, Liang-Zhu. Quantum cloning machines and the applications. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, 2014, vol. 544, no. 3, pp. 241., WOS

ADCA770 RYBÁR, Tomáš - FILIPPOV, S.N. - ZIMAN, Mário - BUŽEK, Vladimír. Simulation of indivisible qubit channels in collision models. In *Journal of Physics B: Atomic Molecular and Optical Physics*, 2012, vol. 45, no. 15, 154006. (1.875 - IF2011). (2012 - Current Contents, WOS, SCOPUS). ISSN 0953-4075.

Ohlasy:

[1.1] BERNARDES, N. K. - CARVALHO, A. R. R. - MONKEN, C. H. - SANTOS, M. F. Environmental correlations and Markovian to non-Markovian transitions in collisional models. In PHYSICAL REVIEW A. ISSN 1050-2947, 2014, vol. 90, no. 3, 032111., WOS

[1.1] BODOR, Andras - DIOSI, Lajos - KALLUS, Zsolt - KONRAD, Thomas. Structural features of non-Markovian open quantum systems using quantum chains. In PHYSICAL REVIEW A. ISSN 1050-2947, 2013, vol. 87, no. 5, 052113., WOS

[1.1] BUDINI, Adrian A. Embedding non-Markovian quantum collisional models into bipartite Markovian dynamics. In PHYSICAL REVIEW A. ISSN 1050-2947, 2013, vol. 88, no. 3, 032115., WOS

[1.1] BUDINI, Adrian A. Post-Markovian quantum master equations from classical environment fluctuations. In PHYSICAL REVIEW E. ISSN 1539-3755,

2014, vol. 89, no. 1, 012147., WOS

[1.1] CARUSO, Filippo - GIOVANNETTI, Vittorio - LUPO, Cosmo - MANCINI, Stefano. Quantum channels and memory effects. In REVIEWS OF MODERN PHYSICS. ISSN 0034-6861, 2014, vol. 86, no. 4, pp. 1203., WOS

[1.1] CICCARELLO, F. - GIOVANNETTI, V. A quantum non-Markovian collision model: incoherent swap case. In PHYSICA SCRIPTA. ISSN 0031-8949, 2013, vol. T153, 014010., WOS

[1.1] CICCARELLO, F. - PALMA, G. M. - GIOVANNETTI, V. Collision-model-based approach to non-Markovian quantum dynamics. In PHYSICAL REVIEW A. ISSN 1050-2947, 2013, vol. 87, no. 4, 040103., WOS

[1.1] RIVAS, Angel - HUELGA, Susana F. - PLENIO, Martin B. Quantum non-Markovianity: characterization, quantification and detection. In REPORTS ON PROGRESS IN PHYSICS. ISSN 0034-4885, 2014, vol. 77, no. 9, 094001., WOS

[1.1] SWEKE, Ryan - SINAYSKIY, Ilya - PETRUCCIONE, Francesco. Simulation of single-qubit open quantum systems. In PHYSICAL REVIEW A. ISSN 1050-2947, 2014, vol. 90, no. 2, 022331., WOS

[1.1] UZDIN, Raam - KOSLOFF, Ronnie. The multilevel four-stroke swap engine and its environment. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2014, vol. 16, 095003., WOS

[1.1] VACCHINI, Bassano. General structure of quantum collisional models. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION. ISSN 0219-7499, 2014, vol. 12, no. 2, 1461011., WOS

ADCA771 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. (6.668 - IF2001). (2002 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Ohlasy:

[1.1] BODOR, Andras - DIOSI, Lajos - KALLUS, Zsafia - KONRAD, Thomas. Structural features of non-Markovian open quantum systems using quantum chains. In PHYSICAL REVIEW A. ISSN 1050-2947, 2013, vol. 87, no. 5, 052113., WOS

[1.1] BROWNE, Cormac - GARNER, Andrew J. P. - DAHLSTEN, Oscar C. O. - VEDRAL, Vlatko. Guaranteed Energy-Efficient Bit Reset in Finite Time. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2014, vol. 113, no. 10, 100603., WOS

[1.1] BUDINI, Adrian A. Embedding non-Markovian quantum collisional models into bipartite Markovian dynamics. In PHYSICAL REVIEW A. ISSN 1050-2947, 2013, vol. 88, no. 3, 032115., WOS

[1.1] CARUSO, Filippo - GIOVANNETTI, Vittorio - LUPO, Cosmo - MANCINI, Stefano. Quantum channels and memory effects. In REVIEWS OF MODERN PHYSICS. ISSN 0034-6861, 2014, vol. 86, no. 4, pp. 1203., WOS

[1.1] GENNARO, Giuseppe. Relaxation Due to the Partial Swap Collisions with a Random Reservoir. In OPEN SYSTEMS & INFORMATION DYNAMICS, 2011, vol.18, no.4, 353., WOS

[1.1] GIOVANNETTI, V. - PALMA, G. M. Master Equations for Correlated Quantum Channels. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2012, vol. 108, no. 4, 040401., WOS

[1.1] GIOVANNETTI, V. - PALMA, G. M. Master equation for cascade

quantum channels: a collisional approach. In JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS. ISSN 0953-4075, 2012, vol. 45, no. 15, 154003., WOS

[1.1] MCCLOSKEY, Ruari - PATERNOSTRO, Mauro. Non-Markovianity and system-environment correlations in a microscopic collision model. In PHYSICAL REVIEW A. ISSN 1050-2947, 2014, vol. 89, no. 5, 052120., WOS

[1.1] MODI, Kavan - RODRIGUEZ-ROSARIO, Cesar A. - ASPURU-GUZI, Alan. Positivity in the presence of initial system-environment correlation. In PHYSICAL REVIEW A. ISSN 1050-2947, 2012, vol. 86, no. 6, 064102., WOS

[1.1] NOVOTNY, J. - ALBER, G. - JEX, I. Asymptotic dynamics of qubit networks under randomly applied controlled unitary transformations. In NEW JOURNAL OF PHYSICS, 2011, vol.13, 053052., WOS

[1.1] RIVAS, Angel - HUELGA, Susana F. - PLENIO, Martin B. Quantum non-Markovianity: characterization, quantification and detection. In REPORTS ON PROGRESS IN PHYSICS. ISSN 0034-4885, 2014, vol. 77, no. 9, 094001., WOS

[1.1] UZDIN, Raam - KOSLOFF, Ronnie. The multilevel four-stroke swap engine and its environment. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2014, vol. 16, 095003., WOS

ADCA772 SEDLÁK, Michal - PLESCH, Martin. Towards optimization of quantum circuits. In *Central European Journal of Physics*, 2008, vol. 6, no. 1, p. 128-134. (0.538 - IF2007). (2008 - Current Contents, SCOPUS). ISSN 1895-1082.

Ohlasy:

[1.1] MOHAMMADZADEH, Naser - SEDIGHI, Mehdi - ZAMANI, Morteza Saheb. GATE LOCATION CHANGING: AN OPTIMIZATION TECHNIQUE FOR QUANTUM CIRCUITS. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION. ISSN 0219-7499, 2012, vol. 10, no. 3, 1250037., WOS

[1.1] WILMOTT, Colin - WILD, Peter R. Towards an optimal swap gate. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2014, vol. 13, no. 6, pp. 1467-1482., WOS

ADCA773 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. (2.908 - IF2008). (2009 - Current Contents, WOS, SCOPUS). ISSN 1050-2947.

Ohlasy:

[1.1] MISHRA, Devendra Kumar. Unambiguous discrimination of two squeezed states using probabilistic quantum cloning. In OPTICS COMMUNICATIONS. ISSN 0030-4018, 2012, vol. 285, no. 6, pp. 1560., WOS

[1.1] SENTIS, G. - BAGAN, E. - CALSAMIGLIA, J. - MUNOZ-TAPIA, R. Programmable discrimination with an error margin. In PHYSICAL REVIEW A. ISSN 1050-2947, 2013, vol. 88, no. 5, 052304., WOS

ADCA774 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. (3.047 - IF2006). (2007 - Current Contents, WOS, SCOPUS). ISSN 1050-2947.

Ohlasy:

[1.1] BECERRA, F. E. - FAN, J. - BAUMGARTNER, G. - POLYAKOV, S. - GOLDHAR, J. - KOSLOSKI, J. T. - MIGDALL, A. - MEYERS, RE - SHIH, Y - DEACON, KS. State Discrimination Signal Nulling Receivers. In QUANTUM COMMUNICATIONS AND QUANTUM IMAGING IX, 2011, vol.8163, no. 81630Y., WOS

[1.1] BECERRA, F. E. - FAN, J. - MIGDALL, A. Implementation of generalized quantum measurements for unambiguous discrimination of multiple non-orthogonal coherent states. In NATURE COMMUNICATIONS. ISSN 2041-1723, 2013, vol. 4, 2028., WOS

[1.1] BECERRA, F. E. - MIGDALL, A. - KHRENNIKOV, A - ATMANSPACHER, H - MIGDALL, A - POLYAKOV, S. Adaptive measurements in nonorthogonal state discrimination. In QUANTUM THEORY: RECONSIDERATION OF FOUNDATIONS 6. ISSN 0094-243X, 2012, vol. 1508, pp. 61., WOS

[1.1] MISHRA, Devendra Kumar. Unambiguous discrimination of two squeezed states using probabilistic quantum cloning. In OPTICS COMMUNICATIONS. ISSN 0030-4018, 2012, vol. 285, no. 6, pp. 1560., WOS

ADCA775 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. (2.893 - IF2007). (2008 - Current Contents). ISSN 1050-2947.

Ohlasy:

[1.1] COLIN, A. J. T. Programmed discrimination of multiple sets of qbits with added classical information. In EUROPEAN PHYSICAL JOURNAL D. ISSN 1434-6060, 2012, vol. 66, no. 7, 185., WOS

[1.1] COLIN, A. J. T. - BARNETT, S. M. - JEFFERS, J. Programmed discrimination of qbits with added classical information. In EUROPEAN PHYSICAL JOURNAL D, 2011, vol.63, no.3, 463., WOS

[1.1] FILIPPOV, Sergey N. - ZIMAN, Mario. Probability-based comparison of quantum states. In PHYSICAL REVIEW A. ISSN 1050-2947, 2012, vol. 85, no. 6, 062301., WOS

[1.1] CHENG LIU-YONG - WANG HONG-FU - ZHANG SHOU - YEON KYU-HWANG. Implementation of unambiguous comparison for unknown pure quantum states with cavity-assisted interaction. In CHINESE PHYSICS B. ISSN 1674-1056, 2013, vol. 22, no. 5, 050306., WOS

[1.1] MISHRA, Devendra Kumar. Unambiguous discrimination of two squeezed states using probabilistic quantum cloning. In OPTICS COMMUNICATIONS. ISSN 0030-4018, 2012, vol. 285, no. 6, pp. 1560., WOS

[1.1] PANG, Shengshi - WU, Shengjun. Comparison of mixed quantum states. In PHYSICAL REVIEW A, 2011, vol.84, no.1., 012336, WOS

[1.1] PANG, Shengshi - WU, Shengjun - CHEN, Zeng-Bing. Nonexistence of a universal quantum machine to examine the precision of unknown quantum states. In PHYSICAL REVIEW A, 2011, vol.84, no.6,062313., WOS

ADCA776 SEDLÁK, Michal - ZIMAN, Mário. Unambiguous comparison of unitary channels. In *Physical Review A*, 2009. Vol. 79, 012303.

Ohlasy:

[1.1] CHIRIBELLA, Giulio - TOIGO, Alessandro - UMANITA, Veronica.

Normal Completely Positive Maps on the Space of Quantum Operations. In OPEN SYSTEMS & INFORMATION DYNAMICS. ISSN 1230-1612, 2013, vol. 20, no. 1, 1350003., WOS

[1.1] KOŁODYŃSKI, Jan - DEMKOWICZ-DOBROZANSKI, Rafał. Efficient tools for quantum metrology with uncorrelated noise. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2013, vol. 15, 073043., WOS

[1.1] MISHRA, Devendra Kumar. Unambiguous discrimination of two squeezed states using probabilistic quantum cloning. In OPTICS COMMUNICATIONS. ISSN 0030-4018, 2012, vol. 285, no. 6, pp. 1560., WOS

[1.1] PANG, Shengshi - WU, Shengjun. Comparison of mixed quantum states. In PHYSICAL REVIEW A, 2011, vol.84, no.1, 012336., WOS

ADCA777 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 - ZEMLYANOV, S.G. Charge radii of odd-A Po191-211 isotopes. In *Physics Letters B*, 2013, vol. 719, no. 4-5, p. 362-366. (4.569 - IF2012). (2013 - Current Contents, WOS, SCOPUS). ISSN 0370-2693.

Ohlasy:

[1.1] ABRIOLA, Daniel - BAGLIN, Coral - DEMETRIOU, Vivian - JOHNSON, Timothy - MCCUTCHAN, Elizabeth - MUKHERJEE, Gopal - SINGH, Sukhjeet - SONZOGNI, Alejandro - TULI, Jagdish. Nuclear Data Sheets for A=211. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2013, vol. 114, no. 6-7, pp. 661., WOS

[1.1] HUANG XIAOLONG - KANG MENGXIAO. Nuclear Data Sheets for A=195. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2014, vol. 121, pp. 395., WOS

[1.1] SUN, B. H. - LU, Y. - PENG, J. P. - LIU, C. Y. - ZHAO, Y. M. New charge radius relations for atomic nuclei. In PHYSICAL REVIEW C. ISSN 0556-2813, 2014, vol. 90, no. 5, 054318., WOS

[1.1] VOSS, Annika - PEARSON, Matthew R. - BILLOWES, Jonathan - BUCHINGER, Fritz - CHEAL, Bradley - CRAWFORD, John E. - KWIATKOWSKI, Anna A. - LEVY, C. D. Philip - SHELBAJA, Olivier. First Use of High-Frequency Intensity Modulation of Narrow-Linewidth Laser Light and Its Application in Determination of Fr-206,Fr-205,Fr-204 Ground-State Properties. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2013, vol. 111, no. 12, 122501., WOS

ADCA778 SENDERÁK, Rudolf - JERGEL, Matej - LUBY, Štefan - MAJKOVÁ, Eva - HOLY, V. - HAINDL, G. - HAMELMANN, F. - KLEINEBERG, U. - HEINZMANN, U. Thermal stability of W1-xSix/Si multilayers under rapid thermal annealing. In *Journal of Applied Physics*, 1997, vol. 81, no. 5, 2229-2235. (1.812 - IF1996). (1997 - Current Contents, SCOPUS). ISSN 0021-8979.

Ohlasy:

[1.1] HU, M.H. - LE GUEN, K. - ANDRE, J.M. - ZHOU, S. K. - LI, H. C. - ZHU, J. T. - WANG, Z. S. - MENY, C. - MAHNE, N. - GIGLIA, A. - NANNARONE, S. - ESTEVE, I. - WALLS, M. - JONNARD, P. Investigation of

the thermal stability of Mg/Co periodic multilayers for EUV applications. In APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING. ISSN 0947-8396, 2012, vol. 106, no. 3, pp. 737., WOS

ADCA779 SHALYGUINA, E.E. - ŠKORVÁNEK, Ivan - ŠVEC, Peter - MOLOKANOV, V.V. - MELNIKOVA, V.A. Inverted surface hysteresis loops in heterogenous (Nanocrystalline/amorphous) Fe₈₁Nb₇B₁₂ alloys. In *Technical Physics Letters*, 2004, vol. 30, no. 7, p. 591-594. ISSN 1063-7850.

Ohlasy:

[1.1] ANDREI, P.- DIMIAN, M. Clockwise Jiles-Atherton hysteresis model. In IEEE TRANSACTIONS ON MAGNETICS, 2013, vol. 49, no. 7, pp. 3183-3186., WOS

[1.1] ANDREI, P.- MEHTA, D.M. Modeling mixed clockwise and counter-clockwise hysteresis in multi-layer materials by using a generalized Jiles-Atherton model. In PHYSICA B, 2014, vol. 435, pp. 156-159., WOS

ADCA780 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] MA, Y. G. - LIU, G. H. - CAI, X. Z. - FANG, D. Q. - GUO, W. - SHEN, W. Q. - TIAN, W. D. - WANG, H. W. Hard-photon flow and photon-photon correlation in intermediate-energy heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 0556-2813, 2012, vol. 85, no. 2, 024618., WOS

[1.1] SANTONOCITO, D. - BLUMENFELD, Y. - AGODI, C. - ALBA, R. - BELLIA, G. - CONIGLIONE, R. - DELAUNAY, F. - DEL ZOPPO, A. - FINOCCHIARO, P. - HONGMEI, F. - LIMA, V. - MAIOLINO, C. - MIGNECO, E. - PIATTELLI, P. - SAPIENZA, P. - SCARPACI, J. A. - WIELAND, O. Onset of quenching of the giant dipole resonance at high excitation energies. In PHYSICAL REVIEW C. ISSN 0556-2813, 2014, vol. 90, no. 5, 054603., WOS

[1.1] YONG, Gao-Chan - ZUO, Wei - ZHANG, Xun-Chao. A direct probe of the in-medium pn scattering cross section. In PHYSICS LETTERS B, 2011, vol. 705, no. 3, 240-243., WOS

ADCA781 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. (3.079 - IF1993). (1994 - Current Contents, SCOPUS). ISSN 0370-2693.

Ohlasy:

[1.1] WERNETH, Ch.M.-NORBURY, J.W.-BLATTNIG, S.R. Pion cross section parameterizations for space radiation codes. In NUCLEAR INSTRUMENTS AND METHODS IN PHYSICS B, 2013, vol. 298, pp. 86-95., WOS

[1.1] WILCZEK, F. The CBM physics book compressed Baryonic matter. In LECTURE NOTES IN PHYSICS, 2011, VOL. 814, P. 11., WOS

ADCA782 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. (7.218 - IF2004). (2005 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Ohlasy:

[1.1] CHAKRABORTY, Prabuddha B. - BYCZUK, Krzysztof - VOLLHARDT, Dieter. Interacting lattice electrons with disorder in two dimensions: Numerical evidence for a metal-insulator transition with a universal critical conductivity. In PHYSICAL REVIEW B, 2011, vol.84, no.3., WOS

[1.1] MENDEZ-BERMUDEZ, J. A. - ALCAZAR-LOPEZ, A. - VARGA, Imre. On the generalized dimensions of multifractal eigenstates. In JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT. ISSN 1742-5468, 2014, P11012., WOS

[1.1] MORIMOTO, Takahiro - AOKI, Hideo. Two-parameter flow of $\sigma_{xx}(\omega)\sigma_{xy}(\omega)$ for the graphene quantum Hall system in the ac regime. In PHYSICAL REVIEW B. ISSN 1098-0121, 2012, vol. 85, no. 16, 165445., WOS

[1.1] ORTMANN, Frank - ROCHE, Stephan. Splitting of the Zero-Energy Landau Level and Universal Dissipative Conductivity at Critical Points in Disordered Graphene. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2013, vol. 110, no. 8, 086602., WOS

[1.1] XUE, Yu - PRODAN, Emil. Quantum criticality at the Chern-to-normal insulator transition. In PHYSICAL REVIEW B. ISSN 1098-0121, 2013, vol. 87, no. 11, 115141., WOS

ADCA783 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. (1.204 - IF2009). (2010 - Current Contents, WOS, SCOPUS). ISSN 0304-8853.

Ohlasy:

[1.1] MIGLIERINI, M. - PAVUK, M. Mossbauer and MFM Investigations of Surface Magnetism in NANOPERM Nanocrystalline Alloys. In ACTA PHYSICA POLONICA A. ISSN 0587-4246, 2014, vol. 126, no. 1, pp. 124., WOS

[1.1] SRINIVAS, M. - MAJUMDAR, B. - BYSAKH, S. - RAJA, M. Manivel - AKHTAR, D. Role of Si on structure and soft magnetic properties of Fe_{87-x}Si_xB₉Nb₃Cu₁ ribbons. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2014, vol. 583, pp. 427., WOS

[1.1] SRIVASTAVA, A. P. - SRIVASTAVA, D. - SUDARSHAN, K. - SHARMA, S. K. - PUJARI, P. K. - MAJUMDAR, B. - SURESH, K. G. - DEY,

G. K. Correlation of soft magnetic properties with free volume and medium range ordering in metallic glasses probed by fluctuation microscopy and positron annihilation technique. In *JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS*. ISSN 0304-8853, 2012, vol. 324, no. 16, pp. 2476., WOS

ADCA784 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}Mo_xCu₁ alloys. In *Journal of Magnetism and Magnetic Materials*, 2010, vol. 322, p. 2350-2354. (1.204 - IF2009). (2010 - Current Contents, WOS, SCOPUS). ISSN 0304-8853.

Ohlasy:

[1.1] CHAKRABORTY, S. Dynamic coercivity. In *PHYSICA B*, 2011, vol. 406, p. 1915., WOS

[1.1] YANG, W. Variations of the effective magnetostriction. In *JOURNAL OF LOW TEMPERATURE PHYSICS*, 2011, vol. 164, p. 272., WOS

ADCA785 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. (1.056 - IF2009). (2010 - Current Contents). ISSN 0921-4526.

Ohlasy:

[1.1] SHIVAE, Hossein Asghari - CASTELLERO, Alberto - RIZZI, Paola - TIBERTO, Paola - HOSSEINI, Hamid Reza Madaah - BARICCO, Marcello. Effects of chemical composition on nanocrystallization kinetics, microstructure and magnetic properties of finemet-type amorphous alloys. In *METALS AND MATERIALS INTERNATIONAL*. ISSN 1598-9623, 2013, vol. 19, no. 4, pp. 643., WOS

[1.1] SORESCU, Monica - XU, Tianhong - HERCHKO, Steven. Recoilless fraction, structural, magnetic and thermal properties of Fe_{73.5}Cu₁Nb₃Si_{13.5}B₉ alloy. In *JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS*, 2011, vol.323, no.22, 2859-2865., WOS

ADCA786 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. (1.690 - IF2010). (2011 - Current Contents, WOS, SCOPUS). ISSN 0304-8853.

Ohlasy:

[1.1] SRINIVAS, M. - MAJUMDAR, B. - BYSAKH, S. - RAJA, M. Manivel - AKHTAR, D. Role of Si on structure and soft magnetic properties of Fe_{87-x}Si_xB₉Nb₃Cu₁ ribbons. In *JOURNAL OF ALLOYS AND COMPOUNDS*. ISSN 0925-8388, 2014, vol. 583, pp. 427., WOS

ADCA787 SIMON, C. - BUŽEK, Vladimír - GISIN, N. No-signaling condition and quantum dynamics. In *Physical Review Letters*, 2001, vol. 87, no. 17, 170405. (6.462 - IF2000). (2001 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Ohlasy:

[1.1] BUDIYONO, Agung. A stochastic model for quantum measurement. In *JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT*. ISSN 1742-5468, 2013, P11007., WOS

[1.1] DE MARTINI, Francesco - SCIARRINO, Fabio. Colloquium:

Multiparticle quantum superpositions and the quantum-to-classical transition. In REVIEWS OF MODERN PHYSICS. ISSN 0034-6861, 2012, vol. 84, no. 4, pp. 1765., WOS

[1.1] HAGAR, Amit. Decoherence: the view from the history and philosophy of science. In PHILOSOPHICAL TRANSACTIONS OF THE ROYAL SOCIETY A-MATHEMATICAL PHYSICAL AND ENGINEERING SCIENCES. ISSN 1364-503X, 2012, vol. 370, no. 1975, pp. 4594., WOS

[1.1] HOME, Dipankar - RAI, Ashutosh - MAJUMDAR, A. S. A testable prediction of the no-signalling condition using a variant of the EPR-Bohm example. In PHYSICS LETTERS A. ISSN 0375-9601, 2013, vol. 377, no. 7, pp. 540., WOS

[1.1] WANG, Yi-Nan - SHI, Han-Duo - JING, Li - XIONG, Zhao-Xi - LEI, Jin - MU, Liang-Zhu - FAN, Heng. Non-compression of quantum phase information. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2012, vol. 45, no. 2, 025304., WOS

[1.1] ZHANG WENHAI - YU LONGBAO - YANG MING - CAO ZHUOLIANG. Multicopy quantum state discrimination. In SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY. ISSN 1674-7348, 2012, vol. 55, no. 1, pp. 60., WOS

[1.1] ZHANG WENHAI - YU LONGBAO - CAO ZHUOLIANG - YE LIU. Optical scheme for realization of optimal unambiguous state discrimination of the JS limit. In SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY. ISSN 1674-7348, 2013, vol. 56, no. 3, pp. 606., WOS

[1.1] ZHANG WEN-HAI - YU LONG-BAO - CAO ZHUO-LIANG - YE LIU. Maximum confidence measurements via probabilistic quantum cloning. In CHINESE PHYSICS B. ISSN 1674-1056, 2013, vol. 22, no. 3, 030312., WOS

ADCA788 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. (2006 - Current Contents). ISSN 1388-6150.

Ohlasy:

[1.1] CUSU, Jeanina Pandele - MUSUC, Adina Magdalena - OANCEA, Dumitru. Kinetic analysis of thermal decomposition in liquid and solid state of 3-nitro and 4-nitro-benzaldehyde-2,4-dinitrophenylhydrazones. In JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY. ISSN 1388-6150, 2012, vol. 109, no. 1, pp. 255., WOS

[1.1] THALMAIER, Gyorgy - CODREAN, Cosmin - SECHEL, Niculina - VIDA-SIMITI, Ioan. CRYSTALLIZATION KINETICS OF AMORPHOUS V47Ni32Ti21 ALLOY. In METALURGIA INTERNATIONAL. ISSN 1582-2214, 2013, vol. 18, pp. 23., WOS

ADCA789 SKÁKALOVÁ, V. - VRETENÁR, Viliam - KOPERA, Lubomír - 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. (6.160 - IF2013). (2014 - Current Contents). ISSN 0008-6223.

Ohlasy:

[1.1] HAN, Z.J. - SEO, D.H. - YICK, S. - CHEN, J.H. - OSTRIKOV, K. In NPG ASIA MATERIALS. OCT 2014, vol. 6., WOS

ADCA790 SKORVANEK, I. - KOVAC, J. - MARCIN, J. - DUHAJ, Pavol - GERLING, R. Annealing effects on the magnetic properties of nanocrystalline FeNbB alloys. In *Journal of Magnetism and Magnetic Materials*, 1999, vol. 203, p. 226-228. ISSN 0374-4884.

Ohlasy:

[1.1] HUA, Z. - SUN, Y. M. - YU, W. Q. - WEI, M. B. CRYSTALLIZATION PROGRESS AND MAGNETIC PROPERTY OF Fe-Zr(Nb)-B AMORPHOUS-NANOCRYSTALLINE ALLOY. In INTERNATIONAL JOURNAL OF MODERN PHYSICS B. ISSN 0217-9792, 2012, vol. 26, no. 11, 1250088., WOS

[1.1] JIANG, X. L. - YAO, Y. J. - LAI, M. - PENG, K. - DU, Y. W. - CONG, HL. Cutoff Frequency Study on Nanocrystalline FeNbB Thin Films. In ADVANCED IN NANOSCIENCE AND TECHNOLOGY. ISSN 1022-6680, 2012, vol. 465, pp. 72-75., WOS

[1.1] SEKRI, A. In MATERIALS LETTERS, 2013, vol. 107, p. 318-321., WOS

ADCA791 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. (6.462 - IF2000). (2001 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Ohlasy:

[1.1] GUO, Ai-Min - XIE, X. C. - SUN, Qing-feng. Delocalization and scaling properties of low-dimensional quasiperiodic systems. In PHYSICAL REVIEW B. ISSN 1098-0121, 2014, vol. 89, no. 7, 075434., WOS

[1.1] CHEN L. A reformulation of the transfer matrix method. In COMPUTER PHYSICS COMMUNICATIONS, 2012, vol. 183, pp. 2513., WOS

[1.1] CHEN, Liang - LIU, Qin - LIN, Xulin - ZHANG, Xiaogang - JIANG, Xunya. Disorder dependence of helical edge states in HgTe/CdTe quantum wells. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2012, vol. 14, 043028., WOS

[1.1] CHOE, Duk-Hyun - CHANG, K. J. Effect of Dimensionality on the Localization Behavior in Hydrogenated Graphene Systems. In NANO LETTERS. ISSN 1530-6984, 2012, vol. 12, no. 10, pp. 5175., WOS

[1.1] MENDEZ-BERMUDEZ, J. A. - ALCAZAR-LOPEZ, A. - VARGA, Imre. On the generalized dimensions of multifractal eigenstates. In JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT. ISSN 1742-5468, 2014, P11012., WOS

[1.1] PAULIN, Guillaume - CARPENTIER, David. Crossover between universality classes in a magnetically disordered metallic wire. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2012, vol. 14, 023026., WOS

[1.1] PIRAUD, Marie - SANCHEZ-PALENCIA, Laurent - VAN TIGGELEN, Bart. Anderson localization of matter waves in three-dimensional anisotropic disordered potentials. In PHYSICAL REVIEW A. ISSN 1050-2947, 2014, vol. 90, no. 6, 063639., WOS

[1.1] SEPEHRINIA, Reza - SHEIKHAN, Ameneh. NUMERICAL SIMULATION OF ANDERSON LOCALIZATION. In COMPUTING IN SCIENCE & ENGINEERING, 2011, vol.13, no.3, 74., WOS

[1.1] SHI, Zhou - WANG, Jing - GENACK, Azriel Z. Microwave conductance in random waveguides in the cross-over to Anderson localization

and single-parameter scaling. In PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA. ISSN 0027-8424, 2014, vol. 111, no. 8, pp. 2926., WOS

[1.1] ZHANG, Yan-Yang - SHEN, Man - AN, Xing-Tao - SUN, Qing-Feng - XIE, Xin-Cheng - CHANG, Kai - LI, Shu-Shen. Coexistence and decoupling of bulk and edge states in disordered two-dimensional topological insulators. In PHYSICAL REVIEW B. ISSN 1098-0121, 2014, vol. 90, no. 5, 054205., WOS
[1.1] ZHANG, Yan-Yang - TSAI, Wei-Feng - CHANG, Kai - AN, X.T. - ZHANG, G.P. - XIE, X.C. - LI, Shu-Shen. Electron delocalization in gate-tunable gapless silicene. In PHYSICAL REVIEW B. ISSN 1098-0121, 2013, vol. 88, no. 12, 125431., WOS

ADCA792 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. (3.327 - IF2002). (2003 - Current Contents). ISSN 1098-0121.

Ohlasy:

[1.1] CHEN, Liang - LIU, Qin - LIN, Xulin - ZHANG, Xiaogang - JIANG, Xunya. Disorder dependence of helical edge states in HgTe/CdTe quantum wells. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2012, vol. 14, 043028., WOS

[1.1] KRICH, Jacob J. - ASPURU-GUZI, Alan. Scaling and Localization Lengths of a Topologically Disordered System. In PHYSICAL REVIEW LETTERS, 2011, vol. 106, no. 15., WOS

[1.1] SUSLOV, I. M. Reply to the comment by P. Marko. In JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS. ISSN 1063-7761, 2012, vol. 115, no. 6, pp. 1079., WOS

ADCA793 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. (3.070 - IF2001). (2002 - Current Contents, WOS, SCOPUS). ISSN 1098-0121.

Ohlasy:

[1.1] ZHAO, X. Bottom-up fabrication methods. In JOURNAL OF MATERIALS CHEMISTRY, 2012, vol. 22, pp. 9439., WOS

[1.1] ABAGA ABESSOLO, M.A. A new left-handed metamaterial. In APPLIED COMPUTATIONAL ELECTROMAGNETIC SOCIETY JOURNAL, 2011, vol. 26, p. 945., WOS

[1.1] AGRAWAL, Anurag - PARK, Wounjhang - PIESTUN, Rafael. Negative permeability with arrays of aperiodic silver nanoclusters. In APPLIED PHYSICS LETTERS. ISSN 0003-6951, 2012, vol. 101, no. 8, 083109., WOS

[1.1] ALAEIAN, Hadiseh - DIONNE, Jennifer A. Plasmon nanoparticle superlattices as optical-frequency magnetic metamaterials. In OPTICS EXPRESS. ISSN 1094-4087, 2012, vol. 20, no. 14, pp. 15781., WOS

[1.1] ALSHAREEF, M.R. In APPLIED PHYSICS LETTERS, 2014, vol. 104, 253906., WOS

[1.1] AMIRI, N. A miniaturized planar nonbianisotropic. In INTERNATIONAL JOURNAL OF RF AND MICROWAVE COMPUTER, 2011, vol. 21, p. 392., WOS

- [1.1] AMIRI, N. A wideband uniplanar polarization. In IEEE ANTENNAS AND WIRELESS PROPAGATION LETTERS, 2011, vol. 10, p. 524., WOS
- [1.1] AMIRI, N. Miniaturized resonant. In AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS, 2011, vol. 65, p. 993., WOS
- [1.1] ANDRYIEUSKI, Andrei - HA, Sangwoo - SUKHORUKOV, Andrey A. - KIVSHAR, Yuri S. - LAVRINENKO, Andrei V. Bloch-mode analysis for retrieving effective parameters of metamaterials. In PHYSICAL REVIEW B. ISSN 1098-0121, 2012, vol. 86, no. 3, 035127., WOS
- [1.1] ANDRYIEUSKI, A. Homogenization of metamaterials. In INTERNATIONAL CONFERENCE ON TRANSPARENT OPTICAL NETWORKS- ICTON, 2011., WOS
- [1.1] ANDRYIEUSKI, A. Unified approach. In PROCEEDINGS OF SPIE, 2011, vol. 8070, 80708., WOS
- [1.1] AOUADI, Belgacem - TAHAR, Jamel Belhadj - ALBEGAIN, K. Design and performances of Multiple-Input Multiple-Output antennas for wireless communications with Left-Handed Metamaterials. In 2012 6TH INTERNATIONAL CONFERENCE ON NEXT GENERATION MOBILE APPLICATIONS, SERVICES AND TECHNOLOGIES (NGMAST). ISSN 2161-2897, 2012, pp. 137., WOS
- [1.1] ASLAM, Muhammad I. - GUNEY, Durdu Oe. Dual-band, double-negative, polarization-independent metamaterial for the visible spectrum. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS. ISSN 0740-3224, 2012, vol. 29, no. 10, pp. 2839., WOS
- [1.1] ASLAM, M.I. Surface plasmon. In PHYSICAL REVIEW B, 2011, vol. 84, 195465., WOS
- [1.1] ATTARAN, A. In PLASMONICS, 2014, vol. 9, pp. 1303., WOS
- [1.1] BAI, Y. In JOURNAL OF PHYSICS D, 2014, vol. 47, 445304., WOS
- [1.1] BALA, B.D. In APPLIED PHYSICS A, 2014, vol. 117, pp. 635., WOS
- [1.1] BAO, Di. Experimental verification. In IEEE ANTENNAS AND PROPAGATION SOCIETY INTERNATIONAL SYMPOSIUM, 2011, p. 2857., WOS
- [1.1] BARROSO, J. J. - HASAR, U. C. Constitutive Parameters of a Metamaterial Slab Retrieved by the Phase Unwrapping Method. In JOURNAL OF INFRARED MILLIMETER AND TERAHERTZ WAVES. ISSN 1866-6892, 2012, vol. 33, no. 2, pp. 237., WOS
- [1.1] BASILIO, L.I. AN INFRARED NEGATIVE INDEX. In MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, 2011, vol. 53, p. 1736., WOS
- [1.1] BELYAMOUN, Mohamed Hicham - DUBRUNFAUT, Olivier - ZOUHDI, Said. Dynamic homogenization of split-ring metamaterials by Floquet-Bloch decomposition. In APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING. ISSN 0947-8396, 2012, vol. 109, no. 4, pp. 1043., WOS
- [1.1] BERGMAIR, I. Single and multilayer. In NANOTECHNOLOGY, 2011, vol. 22, 325301., WOS
- [1.1] BI, K. In SCIENTIFIC REPORTS, 2014, vol. 4, 7001., WOS
- [1.1] BOZHEVOLNYI, S.I. Optical transparency. In NEW JOURNAL OF PHYSICS, 2011, vol. 13, 023034., WOS
- [1.1] CAMPIONE, S. Complex modes. In OPTICS EXPRESS, 2011, vol.

19, p. 26027., WOS

[1.1] CAMPIONE, Salvatore - CAPOLINO, Filippo - ADIBI, A - LIN, SY - SCHERER, A. Metamaterials based on plasmonic nanoshells and loss-compensation using fluorescent dye molecules and quantum dots. In PHOTONIC AND PHONONIC PROPERTIES OF ENGINEERED NANOSTRUCTURES II. ISSN 0277-786X, 2012, vol. 8269, 82691E., WOS

[1.1] CAMPIONE, S. Ewald method for 3D periodic dyadic . In RADIO SCIENCE, 2012, vol. 47, R50N06., WOS

[1.1] CAO, Tun - CRYAN, Martin J. Study of incident angle dependence for dual-band double negative-index material using elliptical nanohole arrays. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA A-OPTICS IMAGE SCIENCE AND VISION. ISSN 1084-7529, 2012, vol. 29, no. 3, pp. 209., WOS

[1.1] CAO, T. In MATERIALS EXPRESS, 2014, vol. 4, pp. 196., WOS

[1.1] CAO, T. In OPTICS EXPRESS, 2014, vol. 22, pp. 22699., WOS

[1.1] CAO, T. - CRYAN, M. J. MODELING OF OPTICAL TRAPPING USING DOUBLE NEGATIVE INDEX FISHNET METAMATERIALS. In PROGRESS IN ELECTROMAGNETICS RESEARCH-PIER. ISSN 1559-8985, 2012, vol. 129, pp. 33., WOS

[1.1] CLERICO, V. In PLOS ONE, 2014, vol. 9, e105474., WOS

[1.1] DAS, S. A new look at the nature. In PHYSICA SCRIPTA, 2011, vol. 84, 035707., WOS

[1.1] DHOUIBI, Abdallah - BUROKUR, Shah Nawaz - DE LUSTRAC, Andre - PRIOU, Alain. Z-shaped meta-atom for negative permittivity metamaterials. In APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING. ISSN 0947-8396, 2012, vol. 106, no. 1, pp. 47., WOS

[1.1] DHOUIBI, Abdallah - BUROKUR, Shah Nawaz - DE LUSTRAC, Andre - PRIOU, Alain. Compact Metamaterial-Based Substrate-Integrated Luneburg Lens Antenna. In IEEE ANTENNAS AND WIRELESS PROPAGATION LETTERS. ISSN 1536-1225, 2012, vol. 11, pp. 1504., WOS

[1.1] DHOUIBI, A. In MATERIALS SCIENCE ENGINEERING, 2013, vol. 44, UNSP 012011., WOS

[1.1] DHOUIBI, A. Comparison of compact electric-LC resonators. In MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, 2012, vol. 54, pp. 2287., WOS

[1.1] DIEDRICH, D. - ROTTLE, A. - HEITMANN, D. - MENDACH, S. Metal-dielectric metamaterials for transformation-optics and gradient-index devices in the visible regime. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2012, vol. 14, 053042., WOS

[1.1] DIMITRIADIS, Alexandros I. - SOUNAS, Dimitrios L. - KANTARTZIS, Nikolaos V. - CALOZ, Christophe - TSIBOUKIS, Theodoros D. Surface Susceptibility Bianisotropic Matrix Model for Periodic Metasurfaces of Uniaxially Mono-Anisotropic Scatterers Under Oblique TE-Wave Incidence. In IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION. ISSN 0018-926X, 2012, vol. 60, no. 12, pp. 5753., WOS

[1.1] DOMINEC, F. In OPTICS EXPRESS, 2014, vol. 22, pp. 30492., WOS

[1.1] DONG LI-JUAN - DU GUI-QIANG - YANG CHENG-QUAN - SHI YUN-LONG. Magneto-optical Faraday rotation effect enhancement of a thick metal Ag. In ACTA PHYSICA SINICA. ISSN 1000-3290, 2012, vol. 61, no. 16, 164210., WOS

[1.1] DONG, L. Tunneling-based Faraday rotation effect enhancement. In

JOURNAL OF PHYSICS D, 2011, vol. 44, 145402., WOS

[1.1] DUAN, Jinsong - PACHTER, Ruth - EYINK, KG - SZMULOWICZ, F - HUFFAKER, DL. Computational analysis of the effects of gain material inclusion in engineered metal nanostructures. In QUANTUM DOTS AND NANOSTRUCTURES: SYNTHESIS, CHARACTERIZATION, AND MODELING IX. ISSN 0277-786X, 2012, vol. 8271, 82710V., WOS

[1.1] DUBROVINA, Natalia - LE CUNFF, Loic O. - BUROKUR, N. - GHASEMI, R. - DEGIRON, A. - DE LUSTRAC, A. - VIAL, A. - LERONDEL, G. - LUPU, A. Single metafilm effective medium behavior in optical domain: Maxwell-Garnett approximation and beyond. In APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING. ISSN 0947-8396, 2012, vol. 109, no. 4, pp. 901., WOS

[1.1] DU, Qiujiào - YANG, Hongwu - WANG, Xicheng - LV, Tao. An improved fishnet three-dimensional metamaterial with multiband left-handed characteristics at terahertz frequencies. In OPTICS COMMUNICATIONS. ISSN 0030-4018, 2012, vol. 285, no. 6, pp. 980., WOS

[1.1] DU, Q. Bilayer fractal structure. In APPLIED OPTICS, 2011, vol. 50, p. 4798., WOS

[1.1] DU, Q. Compact multiband. In CHINESE OPTICS LETTERS, 2011, vol. 9, 110015., WOS

[1.1] DU, Q.-J. Dual-band terahertz. In CHINESE PHYSICS LETTERS, 2011, vol. 28, 014201., WOS

[1.1] DYCK, N.C. Effective medium. In JOURNAL OF PHYSICAL CHEMISTRY C, 2011, vol. 115, P. 15225., WOS

[1.1] EL-KAHLOUT, Y. Inverse synthesis. In PROGRESS IN ELECTROMAGNETICS RESEARCH, 2011, vol. 115, p. 343., WOS

[1.1] EMIROGLU, C.D. Dichroic FSS design. IEEE ANTENNAS AND PROPAGATION SOCIETY INTERNATIONAL SYMPOSIUM, 2012., WOS

[1.1] FANG, A. Overcoming the losses of a spin ring. In OPTICS EXPRESS, 2011, vol. 19, p.12688., WOS

[1.1] FANG, F. In PHYSICA SCRIPTA, 2014, vol. 89, no. 2, 025501., WOS

[1.1] FAN, Kebin - STRIKWERDA, Andrew C. - AVERITT, Richard D. - ZHANG, Xin. Three-dimensional magnetic terahertz metamaterials using a multilayer electroplating technique. In JOURNAL OF MICROMECHANICS AND MICROENGINEERING. ISSN 0960-1317, 2012, vol. 22, no. 4, 045011., WOS

[1.1] FAN, K. Three-dimensional magnetic terahertz metamaterials using. In JOURNAL OF MICROMECHANICS AND MICROENGINEERING, 2012, vol. 22, 045011., WOS

[1.1] FIALA, Jan - KWIECIEN, Pavel - RICHTER, Ivan - PERINA, J - NOZKA, L - HRABOVSKY, M - SENDERAKOVA, D - URBANCZYK, W. Physics and design possibilities of plasmonic-based fishnet metamaterial structures. In 18TH CZECH-POLISH-SLOVAK OPTICAL CONFERENCE ON WAVE AND QUANTUM ASPECTS OF CONTEMPORARY OPTICS. ISSN 0277-786X, 2012, vol. 8697., WOS

[1.1] FLEGER, Y. Controlling the optical spectra. In EUROPEAN PHYSICAL JOURNAL B, 2011, vol. 81, p. 85., WOS

[1.1] FRENCH, D.M. In PHYSICS OF PLASMAS, 2013, vol. 20, 083116., WOS

[1.1] FU, Y. Exciton polariton. In OPTICAL PROPERTIES OF

NANOSTRUCTURES, 2011, p. 105., WOS

[1.1] GAO, P. In PHYSICA A, 2013, vol. 392, pp. 6506., WOS

[1.1] GENTILE, M. Investigation of the nonlineas optical properties. In APPLIED PHYSICS B, 2011, vol. 105, p. 149., WOS

[1.1] GILOAN, M. Visible frequency. In OPTICS COMMUNICATIONS, 2012, vol. 285, pp. 1533., WOS

[1.1] GINN, James C. - BRENER, Igal - PETERS, David W. - WENDT, Joel R. - STEVENS, Jeffrey O. - HINES, Paul F. - BASILIO, Lorena I. - WARNE, Larry K. - IHLEFELD, Jon F. - CLEM, Paul G. - SINCLAIR, Michael B.

Realizing Optical Magnetism from Dielectric Metamaterials. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2012, vol. 108, no. 9, 097402., WOS

[1.1] GOMPF, Bruno - KRAUSZ, Barbara - FRANK, Bettina - DRESSEL, Martin. k-dependent optics of nanostructures: Spatial dispersion of metallic nanorings and split-ring resonators. In PHYSICAL REVIEW B. ISSN 1098-0121, 2012, vol. 86, no. 7, 075462., WOS

[1.1] GONG, B. Three-dimensional isotropic metamaterials consisting. In PHYSICA B, 2012, vol. 407, pp. 1034., WOS

[1.1] GONG, J.-X. Extraction algorithm. In ACTA PHYSICS SINICA, 2011, vol. 60, 059204., WOS

[1.1] GOZHENKO, V.V. In NEW JOURNAL OF PHYSICS, 2013, vol. 15, 043030, WOS

[1.1] GRAHN, P. In NEW JOURNAL OF PHYSICS, 2013, vol. 15, 003044., WOS

[1.1] GRZEGORCZYK, T.M. In BIOMEDICAL OPTICS EXPRESS, 2011, vol. 2, p. 315., WOS

[1.1] GUENEY, D. Oe. - ASLAM, M. I. Comment on "Silver/silicon dioxide/silver sandwich films in the blue-to-red spectral regime with negative-real refractive index" [Appl. Phys. Lett. 99, 181117 (2011)]. In APPLIED PHYSICS LETTERS. ISSN 0003-6951, 2012, vol. 101, no. 15, 156101., WOS

[1.1] GUENEY, D.O. In PHYSICAL REVIEW B, 2011, vol. 83, 045107., WOS

[1.1] GUSTAFSSON, Mats - VAKILI, Iman - KESKIN, Sena Esen Bayer - SJOBERG, Daniel - LARSSON, Christer. Optical Theorem and Forward Scattering Sum Rule for Periodic Structures. In IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION. ISSN 0018-926X, 2012, vol. 60, no. 8, pp. 3818., WOS

[1.1] GUTH, N. - GALLAS, B. - RIVORY, J. - GRAND, J. - OURIR, A. - GUIDA, G. - ABDEDDAIM, R. - JOUVAUD, C. - DE ROSNY, J. Optical properties of metamaterials: Influence of electric multipoles, magnetoelectric coupling, and spatial dispersion. In PHYSICAL REVIEW B. ISSN 1098-0121, 2012, vol. 85, no. 11, 115138., WOS

[1.1] HAMM, J.M. In PHYSICAL REVIEW LETTERS, 2011, vol. 107, 167405., WOS

[1.1] HAO, J. In PHYSICAL REVIEW B, 2011, vol. 83, 165107., WOS

[1.1] HASAR, Ugur Cem - BARROSO, Joaquim J. - SABAH, Cumali - KAYA, Yunus - ERTUGRUL, Mehmet. Differential uncertainty analysis for evaluating the accuracy of S-parameter retrieval methods for electromagnetic properties of metamaterial slabs. In OPTICS EXPRESS. ISSN 1094-4087, 2012, vol. 20, no. 27, pp. 29002., WOS

- [1.1] HASAR, Ugur C. - BARROSO, Joaquim J. Permeability Measurement of Metamaterials with Split-Ring-Resonators Using Free-Space Calibration-Independent Methods. In JOURNAL OF INFRARED MILLIMETER AND TERAHERTZ WAVES. ISSN 1866-6892, 2012, vol. 33, no. 2, pp. 218., WOS
- [1.1] HASAR, U. C. - BARROSO, J. J. - ERTUGRUL, M. - SABAH, C. - CAVUSOGLU, B. APPLICATION OF A USEFUL UNCERTAINTY ANALYSIS AS A METRIC TOOL FOR ASSESSING THE PERFORMANCE OF ELECTROMAGNETIC PROPERTIES RETRIEVAL METHODS OF BIANISOTROPIC METAMATERIALS. In PROGRESS IN ELECTROMAGNETICS RESEARCH-PIER. ISSN 1559-8985, 2012, vol. 128, pp. 365., WOS
- [1.1] HASAR, U. C. - BARROSO, J. J. - ERTUGRUL, M. PERMEABILITY MEASUREMENT OF SPLIT-RING-RESONATOR METAMATERIALS FROM FREE-SPACE TRANSMISSION-ONLY CALIBRATION-INDEPENDENT METHODS. In JOURNAL OF ELECTROMAGNETIC WAVES AND APPLICATIONS. ISSN 0920-5071, 2012, vol. 26, no. 1, pp. 54., WOS
- [1.1] HASAR, U. C. - BARROSO, J. J. - SABAH, C. - OZBEK, I. Y. - KAYA, Y. - DAL, D. - AYDIN, T. RETRIEVAL OF EFFECTIVE ELECTROMAGNETIC PARAMETERS OF ISOTROPIC METAMATERIALS USING REFERENCE-PLANE INVARIANT EXPRESSIONS. In PROGRESS IN ELECTROMAGNETICS RESEARCH-PIER. ISSN 1559-8985, 2012, vol. 132, no., pp. 425., WOS
- [1.1] HASAR, U.C. In APPLIED PHYSICS A, 2014, vol. 116, pp. 1701., WOS
- [1.1] HASAR, U.C. In JOURNAL OF ELECTROMAGNETIC WAVES AND APPLICATIONS, 2011, vol. 25, p. 14., WOS
- [1.1] HESS, O. Active nanoplasmonic metamaterials. In NATURE MATERIALS, 2012. vol. 11, pp. 573., WOS
- [1.1] HE, X.-Y. In APPLIED PHYSICS LETTERS, 2011, vol. 98, 204105., WOS
- [1.1] HE, X.-Y. In CHINESE PHYSICS LETTERS, 2011, vol. 28, 057701., WOS
- [1.1] HIBBINS, A.P. In PHYSICAL REVIEW B, 2011, vol. 84, 115130., WOS
- [1.1] HOLLANDER, Y. In IET MICROWAVES ANTENNAS AND PROPAGATION, 2011, vol. 5, p. 84., WOS
- [1.1] HOLLOWAY, Ch.L. In IEEE ANTENNAS AND WIRELESS PROPAGATION LETTERS, 2011, vol. 10, p. 1507., WOS
- [1.1] HOSSEINZADEH, Arash - SEMOUCHKINA, Elena. Effects of Magnetic Resonance on the Band Structure of 3D Dielectric Metamaterial Arrays. In 2012 IEEE ANTENNAS AND PROPAGATION SOCIETY INTERNATIONAL SYMPOSIUM (APSURSI). ISSN 1522-3965, 2012., WOS
- [1.1] HOU ZHI-LING - KONG LING-BAO - JIN HAI-BO - CAO MAO-SHENG - LI XIAO - QI XIN. The Comprehensive Retrieval Method of Electromagnetic Parameters Using the Scattering Parameters of Metamaterials for Two Choices of Time-Dependent Factors. In CHINESE PHYSICS LETTERS. ISSN 0256-307X, 2012, vol. 29, no. 1, 017701., WOS
- [1.1] HSIEH, Feng-Ju - WANG, Wei-Chih. Full extraction methods to

retrieve effective refractive index and parameters of a bianisotropic metamaterial based on material dispersion models. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2012, vol. 112, no. 6, 064907., WOS

[1.1] HUANG, J. Thermally tunable lmetamaterial. In MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, 2012, vol. 54, pp. 1889., WOS

[1.1] HUANG, T.Y. In JOURNAL OF APPLIED PHYSICS, 2011, vol. 110, 093907., WOS

[1.1] HWANG, Ruey-Bing - HSU, Neng-Chieh - CHIN, Cheng-Yuan. A Spatial Beam Splitter Consisting of a Near-Zero Refractive Index Medium. In IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION. ISSN 0018-926X, 2012, vol. 60, no. 1, pp. 417., WOS

[1.1] CHANDA, D. In NATURE NANOTECHNOLOGY, 2011, vol. 6, p. 402., WOS

[1.1] CHAU, K.J. Homogenization of waveguide. In PHYSICAL REVIEW B, 2012, vol. 85, 125101., WOS

[1.1] CHENG, D. Pantoscopic and polarization. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B, 2012, vol. 29, pp. 1503., WOS

[1.1] CHENG, Q. In APPLIED PHYSICS LETTERS, 2011, vol. 99, 131913., WOS

[1.1] CHENG, Y. Z. - NIE, Y. - GONG, R. Z. Broadband 3D isotropic negative-index metamaterial based on fishnet structure. In EUROPEAN PHYSICAL JOURNAL B. ISSN 1434-6028, 2012, vol. 85, no. 2, 62., WOS

[1.1] CHEN, J. et al. In PROGRESS IN ELECTROMAGNETICS RESEARCH-PIER, 2014, vol. 146, pp. 71-76., WOS

[1.1] CHEN, P.Y. In NEW JOURNAL OF PHYSICS, 2011, vol. 13, 053007., WOS

[1.1] IORSH, J.V. In JOURNAL OF MODERN OPTICS, 2011, vol. 58, p. 686., WOS

[1.1] IPATOV, M. In APPLIED PHYSICS A, 2011, vol. 103, p. 693., WOS

[1.1] IWANAGA, Masanobu. Photonic metamaterials: a new class of materials for manipulating light waves. In SCIENCE AND TECHNOLOGY OF ADVANCED MATERIALS. ISSN 1468-6996, 2012, vol. 13, no. 5, 053002., WOS

[1.1] IWANAGA, M. First-principle analysis. In PROGRESS IN ELECTROMAGNETICS RESEARCH-PIER, 2012, vol. 132, pp. 129., WOS

[1.1] IYER, S. In JOURNAL OF THE EUROPEAN OPTICAL SOCIETY, 2011, vol. 6, 11008., WOS

[1.1] JAKSIS, Z. In MATERIALS, 2011, vol. 4, p. 1-36., WOS

[1.1] JARADAT, H. In IEEE ANTENNAS AND WIRELESS PROPAGATION LETTERS, 2011, vol. 10, P. 536., WOS

[1.1] JENKINS, S.D. Theoretical formalism for collective electromagnetic response. In PHYSICAL REVIEW B, 2012, vol. 86, 085116., WOS

[1.1] JEN, Y.-J. In OPTICS LETTERS, 2011, vol. 36, p. 1014., WOS

[1.1] JHA, K.R. In OPTICS COMMUNICATIONS, 2011, vol. 284, P. 4996., WOS

[1.1] JIANG, W.X. In PHYSICAL REVIEW E, 2011, vol. 83, 026601., WOS

[1.1] JIANG, X. In JOURNAL OF APPLIED PHYSICS, 2011, vol. 110, 024903., WOS

[1.1] JIANG, Z.H. In IEEE ANTENNAS AND PROPAGATION SOCIETY

INTERNATIONAL SYMPOSIUM, 2011, p. 1181., WOS

[1.1] JIANG, Z.H. In IEEE ANTENNAS AND PROPAGATION SOCIETY INTERNATIONAL SYMPOSIUM, 2011, p. 1151., WOS

[1.1] JIANG, Z.H. In JOURNAL OF APPLIED PHYSICS, 2011, vol. 109, 013515., WOS

[1.1] JIN, W. In OPTICS COMMUNICATIONS, 2011, vol. 284, p. 4815., WOS

[1.1] KANTE, Boubacar - PARK, Yong-Shik - O&APOS;BRIEN, Kevin - SHULDMAN, Daniel - LANZILLOTTI-KIMURA, Norberto D. - WONG, Zi Jing - YIN, Xiaobo - ZHANG, Xiang. Symmetry breaking and optical negative index of closed nanorings. In NATURE COMMUNICATIONS. ISSN 2041-1723, 2012, vol. 3, 1180., WOS

[1.1] KARAMANOS, T. In IET MICROWAVES ANTENNAS AND PROPAGATION, 2014, vol. 8, pp. 1398., WOS

[1.1] KETTUNEN, H. In APPLIED COMPUTATIONAL ELECTROMAGNETICS SOCIETY JOURNAL, 2011, vol. 26, p. 179., WOS

[1.1] KHODASEVYCH, I. E. - SHAH, C. M. - SRIRAM, S. - BHASKARAN, M. - WITHAYACHUMNANKUL, W. - UNG, B. S. Y. - LIN, H. - ROWE, W. S. T. - ABBOTT, D. - MITCHELL, A. Elastomeric silicone substrates for terahertz fishnet metamaterials. In APPLIED PHYSICS LETTERS. ISSN 0003-6951, 2012, vol. 100, no. 6, 061101., WOS

[1.1] KILDISHEV, A. In PROCEEDINGS OF THE IEEE, 2011, vol. 99, P. 1601., WOS

[1.1] KILIC, E. In INVERSE PROBLEMS, 2011, vol. 27, 105002., WOS

[1.1] KIM, K.H.- PARK, Q.-H. In JOURNAL OF THE KOREAN PHYSICAL SOCIETY, 2014, vol. 64, pp. 771-774., WOS

[1.1] KIM, Sung - HOLLOWAY, Christopher L. - KUMLEY, Kendra L. - JANEZIC, Michael D. - BAKER-JARVIS, James - KUESTER, Edward F. A frequency-bandgap waveguide controlled with metafilms composed of cubic particles. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2012, vol. 112, no. 10, 104904., WOS

[1.1] KIM, S. In IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, 2011, vol. 59, p. 2226., WOS

[1.1] KOWERDZIEJ, R. In MOLECULAR CRYSTALS AND LIQUID CRYSTALS, 2011, vol. 545, p. 1315., WOS

[1.1] KOWERIEJ, R. In LIQUID CRYSTALS, 2011, vol. 38, p. 377., WOS

[1.1] KRUK, Sergey S. - POWELL, David A. - MINOVICH, Alexander - NESHEV, Dragomir N. - KIVSHAR, Yuri S. Spatial dispersion of multilayer fishnet metamaterials. In OPTICS EXPRESS. ISSN 1094-4087, 2012, vol. 20, no. 14, pp. 15100., WOS

[1.1] KURILKINA, S.N. In PROCEEDINGS OF SPIE, 2011, vol. 8073, 80732C., WOS

[1.1] KUSSOW, A.-G. In INTERNATIONAL JOURNAL OF MODERN PHYSICS B, 2011, vol. 25, P. 347., WOS

[1.1] KUSSOW, A.-G. Suppression of losses in negative refractive index. In JOURNAL OF NANOPHOTONICS, 2012, vol. 6, 063506., WOS

[1.1] KUZNETSOV, Arseniy I. - MIROSHNICHENKO, Andrey E. - FU, Yuan Hsing - ZHANG, JingBo - LUK&APOS;YANCHUK, Boris. Magnetic light. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2012, vol. 2, 492., WOS

[1.1] LAI, Yueh-Chun - CHEN, Cheng-Kuang - YANG, Yu-Hang - YEN,

Ta-Jen. Low-loss and high-symmetry negative refractive index media by hybrid dielectric resonators. In OPTICS EXPRESS. ISSN 1094-4087, 2012, vol. 20, no. 3, pp. 2876., WOS

[1.1] LAM, T.A. In PROCEEDINGS OF THE IEEE, 2011, vol. 99, p. 1755., WOS

[1.1] LANDY, N. In JOURNAL OF APPLIED PHYSICS, 2014, vol. 116, 044906., WOS

[1.1] LANGLEY, Derrick - COUTU, Ronald A. - COLLINS, Peter J. Using Inductance as a Tuning Parameter for RF Meta-atoms. In NANO-MICRO LETTERS. ISSN 2150-5551, 2012, vol. 4, no. 2, pp. 103., WOS

[1.1] LANGLEY, Derrick - COUTU, Ronald A. - COLLINS, Peter J. Low-loss meta-atom for improved resonance response. In AIP ADVANCES. ISSN 2158-3226, 2012, vol. 2, no. 1, 012196., WOS

[1.1] LAROUCHE, Stephane - TSAI, Yu-Ju - TYLER, Talmage - JOKERST, Nan M. - SMITH, David R. Infrared metamaterial hologram. In 2012 CONFERENCE ON LASERS AND ELECTRO-OPTICS (CLEO), 2012., WOS

[1.1] LAVRINENKO, Andrei V. - ANDRYIEUSKI, Andrei - HA, Sangwoo - SUKHORUKOV, Andrey A. - KIVSHAR, Yuri S. - CHIGRIN, DN. Bloch-Mode Analysis for Effective Parameters Restoration. In FIFTH INTERNATIONAL WORKSHOP ON THEORETICAL AND COMPUTATIONAL NANO-PHOTONICS (TACONA-PHOTONICS 2012). ISSN 0094-243X, 2012, vol. 1475, pp. 140., WOS

[1.1] LEPETIT, T. In JOURNAL OF APPLIED PHYSICS, 2011, vol. 109, 023115., WOS

[1.1] LEUNG, H.M. et al. In JOURNAL OF OPTICS, 2014, vol. 16, no. 1, 015102., WOS

[1.1] LIU, S. In JOURNAL OF OPTICS, 2011, vol. 13, 015102., WOS

[1.1] LIU, X.-X. In IEEE ANTENNAS AND PROPAGATION SOCIETY INTERNATIONAL SYMPOSIUM, 2011, p. 1522., WOS

[1.1] LIU, X.-X. In JOURNAL OF NANOPHOTONICS, 2011, vol. 5, 053509., WOS

[1.1] LIU, X.-X. In PHYSICAL REVIEW B, 2011, vol. 84, 235106., WOS

[1.1] LIU, Yan - MA, Huifeng - CUI, TJ - CHENG, Q - JIANG, WX - MA, HF - BAO, D - TANG, WX. A Broadband Bandpass Rectangular Waveguide Filter Based on Metamaterials. In PROCEEDINGS OF THE 2012 INTERNATIONAL WORKSHOP ON METAMATERIALS (META), 2012., WOS

[1.1] LIU, Y. et al. In OPTIK, 2014, vol. 125, pp. 2129., WOS

[1.1] LIU, Y. In CHEMICAL SOCIETY REVIEWS, 2011, vol. 40, p. 2494., WOS

[1.1] LIU, Z. The effective permittivity. In EPL, 2012, vol. 99, 48006., WOS

[1.1] LI, D. In OPTICS EXPRESS, 2011, vol. 19, p. 22942., WOS

[1.1] LI, J.-CH. Design and simulation of a single-sided left handed material. In ACTA PHYSICA SINICA, 2012, vol. 61, 124102., WOS

[1.1] LI, Y.H. In APPLIED PHYSICS A, 2014, vol. 117, pp. 1541., WOS

[1.1] LI, Zhaofeng - AYDIN, Koray - OZBAY, Ekmel. Retrieval of effective parameters for bianisotropic metamaterials with omega shaped metallic inclusions. In PHOTONICS AND NANOSTRUCTURES-FUNDAMENTALS AND APPLICATIONS. ISSN 1569-4410, 2012, vol. 10, no. 3, pp. 329., WOS

[1.1] LOO, Y.L. Broadband microwave Luneburg . In JOURNAL OF THE

OPTICAL SOCIETY OF AMERICA A, 2012, vol. 29, pp. 426., WOS

[1.1] LOSURDO, Maria - BERGMAIR, Iris - GIANREGORIO, Maria M. - DASTMALCHI, Babak - BIANCO, Giuseppe V. - HELGERT, Christian - PSHENAY-SEVERIN, Ekaterina - FALKNER, Matthias - PERTSCH, Thomas - KLEY, Ernst-Bernhard - HUEBNER, Uwe - VERSCHUUREN, Marc A. - MUEHLBERGER, Michael - HINGERL, Kurt - BRUNO, Giovanni. Enhancing Chemical and Optical Stability of Silver Nanostructures by Low-Temperature Hydrogen Atoms Processing. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2012, vol. 116, no. 43, pp. 23004., WOS

[1.1] LU GUIZHEN - YIN HONGCHENG - YANG LI - ZENG DONGDONG. Study of the Metamaterial Homogenization. In 2012 6TH ASIA-PACIFIC CONFERENCE ON ENVIRONMENTAL ELECTROMAGNETICS (CEEM' 2012), 2012, pp. 120., WOS

[1.1] LUE, Ch. In CHINESE PHYSICS B, 2014, vol. 23, 097802., WOS

[1.1] IUO Ma. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B, 2011, vol. 28, p. 629., WOS

[1.1] LUPU, A. In OPTICS EXPRESS, 2011, vol. 24, p. 24746., WOS

[1.1] LUPU, A. - DUBROVINA, N. - GHASEMI, R. - DEGIRON, A. - DE LUSTRAC, A. - BOARDMAN, AD - JOHNSON, NP - ZIOLKOWSKI, RW. Metal-dielectric metamaterials for guided optics applications. In METAMATERIALS VII. ISSN 0277-786X, 2012, vol. 8423, 842306., WOS

[1.1] LUUKKONEN, O. In IEEE ANTENNAS WIRELESS PROPAGATION LETTERS, 2011, vol. 10, p. 1295., WOS

[1.1] MAHESH, N. R. - NAIR, Prita. Passive Acoustic Tunable Structure Based on Single Negative Metamaterials. In ACTA ACUSTICA UNITED WITH ACUSTICA. ISSN 1610-1928, 2012, vol. 98, no. 5, pp. 827., WOS

[1.1] MARTINI, E. In IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, 2014, vol. 62, pp. 2081., WOS

[1.1] MEI ZHONG LEI. In NEW JOURNAL OF PHYSICS, 2011, vol. 13, 063028., WOS

[1.1] MEINERS Ch. In COMPEL, 2011, vol. 30, p. 1162., WOS

[1.1] MEI, Z.L. A half maxwell fish-eye. In IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, 2012, vol. 60, pp. 398., WOS

[1.1] MENG, F.-Y. In APPLIED PHYSICS A, 2011, vol. 102, p. 509., WOS

[1.1] MENG, F.-Y. In IEEE TRANSACTIONS ON ANTENNAS A. PROPAGATION, 2011, vol. 59, p. 3400., WOS

[1.1] MENG, F.-Y. In IEEE TRANSACTIONS ON MAGNETICS, 2011, vol. 47, p. 3347., WOS

[1.1] MOSER, Herbert O. - ROCKSTUHL, Carsten. 3D THz metamaterials from micro/nanomanufacturing. In LASER & PHOTONICS REVIEWS. ISSN 1863-8880, 2012, vol. 6, no. 2, pp. 219., WOS

[1.1] MUHLING, S. In NANOPHOTONICS, 2013, vol. 2, pp. 211., WOS

[1.1] MYOGA, Seiji - AMEMIYA, Tomohiro - ISHIKAWA, Atsushi - NISHIYAMA, Nobuhiko - TANAKA, Takuo - ARAI, Shigehisa. Carrier-concentration-dependent resonance frequency shift in a metamaterial loaded semiconductor. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS. ISSN 0740-3224, 2012, vol. 29, no. 8, pp. 2110., WOS

[1.1] NAKAMURA, Y. In PLASMA SOURCES SCIENCE AND TECHNOLOGY, 2014, vol. 23, 064009., WOS

- [1.1] NAMIN, F. In IEEE ANTENNAS A.PROPAGATION SOCIETY INTERNATIONAL SYMPOSIUM, 2011, p. 1155., WOS
- [1.1] NEMEC, H. Resonant magnetic sesponse. In APPLIED PHYSICS LETTERS, 2012, vol. 100, 061117., WOS
- [1.1] NIELSEN, M.G. In JOURNAL OF OPTICS, 2011, vol. 13, 055106., WOS
- [1.1] OARES,T.W.H. In PROGRESS IN SURFACE SCIENCE, 2011, vol. 86, p. 328., WOS
- [1.1] OATES, T.W.H. Oblique incidence ellipsometric characterization. In OPTICS EXPRESS, 2012, vol. 20, pp. 11166., WOS
- [1.1] OBELLEIRO, Fernando - TABOADA, Jose M. - ARAUJO, Marta G. Calculation of wave propagation parameters in generalized media. In MICROWAVE AND OPTICAL TECHNOLOGY LETTERS. ISSN 0895-2477, 2012, vol. 54, no. 12, pp. 2731., WOS
- [1.1] OBOL, Mahmut - AFSAR, Mohammed N. Simultaneous Permittivity and Permeability Characteristics of Magnetically Biased Thin Ferrite Disk Using Rectangular Waveguide. In IEEE TRANSACTIONS ON MAGNETICS. ISSN 0018-9464, 2012, vol. 48, no. 11, pp. 3068., WOS
- [1.1] OTOMORI, Masaki - YAMADA, Takayuki - IZUI, Kazuhiro - NISHIWAKI, Shinji - ANDKJAER, Jacob. A topology optimization method based on the level set method for the design of negative permeability dielectric metamaterials. In COMPUTER METHODS IN APPLIED MECHANICS AND ENGINEERING. ISSN 0045-7825, 2012, vol. 237, no., pp. 192., WOS
- [1.1] OZTURK, Yusuf - YILMAZ, Asim Egemen - COLAK, Evrim - OZBAY, Ekmel. Characterization, slab-pair modeling and phase analysis of circular fishnet metamaterials. In PHOTONICS AND NANOSTRUCTURES-FUNDAMENTALS AND APPLICATIONS. ISSN 1569-4410, 2012, vol. 10, no. 4, pp. 624., WOS
- [1.1] PANINA, L. In PHYSICA STATUS SOLIDI A, 2014, vol. 211, pp. 1019., WOS
- [1.1] PANINA, L.V. In JOURNAL OF APPLIED PHYSICS, 2011, vol. 109, 053901., WOS
- [1.1] PAN, B.C. In OPTICS EXPRESS, 2014, vol. 22, pp. 13940., WOS
- [1.1] PARK, Jeongwon - PARK, Buhm - KIM, Deokman - PARK, Junhong. Determination of effective mass density and modulus for resonant metamaterials. In JOURNAL OF THE ACOUSTICAL SOCIETY OF AMERICA. ISSN 0001-4966, 2012, vol. 132, no. 4, pp. 2793., WOS
- [1.1] PARK, J.W. In OPTICS COMMUNICATIONS, 2011, vol. 284, p. 919., WOS
- [1.1] PARSONS,, J. In APPLIED PHYSICS LETTERS, 2011, vol. 99, 161108., WOS
- [1.1] PAUL, T. In PHYSICAL REVIEW B, 2011, vol. 84, 115142., WOS
- [1.1] PFEIFFER, C. In PHYSICAL REVIEW APPLIED, 2014, vol. 2, 044011., WOS
- [1.1] POLLOCK, J.G. In IEEE ANTENNAS AND WIRELESS PROPAGATION LETTERS, 2011, vol. 10, p. 1491., WOS
- [1.1] PORS, A. In JOURNAL OF COMPUTATIONAL AND THEORETICAL NANOSCIENCE, 2011, vol. 8, p. 1619., WOS
- [1.1] PORS, A. In PHYSICAL REVIEW E, 2011, vol. 84, 016609., WOS
- [1.1] PORS, A. In PHYSICAL REVIEW B, 2011, vol. 83, 245409., WOS

- [1.1] POUTRINA, E. In OPTICS EXPRESS, 2011, vol. 19, p. 8312., WOS
- [1.1] PUSCH, Andreas - WUESTNER, Sebastian - HAMM, Joachim M. - TSAKMAKIDIS, Kosmas L. - HESS, Ortwin. Coherent Amplification and Noise in Gain-Enhanced Nanoplasmonic Metamaterials: A Maxwell-Bloch Langevin Approach. In ACS NANO. ISSN 1936-0851, 2012, vol. 6, no. 3, pp. 2420., WOS
- [1.1] QAMAR, Z. In IET MICROWAVES ANTENNAS AND PROPAGATION, 2014, vol. 8, pp. 1261., WOS
- [1.1] QAMAR, Z.- PARK, H.C. In PROGRESS IN ELECTROMAGNETICS RESEARCH-PIER, 2014, vol. 149, pp. 183-192., WOS
- [1.1] QI, J. In RADIO SCIENCE, 2011, vol. 46, RS0E08., WOS
- [1.1] RAJAGOPALAN, Ajit. In IEEE TRANSACTIONS ON MICROWAVE THEORY AND TECHNIQUES, 2014, vol. 62, pp. 947-955., WOS
- [1.1] RIZWAN, M. In CENTRAL EUROPEAN JOURNAL OF PHYSICS, 2014, vol. 12, pp. 578., WOS
- [1.1] ROCKSTUHL, C. In PROCEEDINGS OF SPIE, 2011, vol. 8104, 81040E., WOS
- [1.1] RODRIGO, Sergio G. Theory of Negative-Refractive-Index Response of Double-Fishnet Structures. In OPTICAL PROPERTIES OF NANOSTRUCTURED METALLIC SYSTEMS. ISSN 2190-5053, 2012, pp. 77., WOS
- [1.1] ROSE A. In PHYSICAL REVIEW A, 2011, vol. 84, 053805., WOS
- [1.1] ROWE, D.J. In IEEE TRANSACTIONS ON MICROWAVE THEORY AND TECHNIQUES, 2013, vol. 61, pp. 234., WOS
- [1.1] RUBANO, Andrea - BRAUN, Lukas - WOLF, Martin - KAMPFRATH, Tobias. Mid-infrared time-domain ellipsometry: Application to Nb-doped SrTiO₃. In APPLIED PHYSICS LETTERS. ISSN 0003-6951, 2012, vol. 101, no. 8, 081103, WOS
- [1.1] RUDOLPH, Scott Michael - GRBIC, Anthony. A Broadband Three-Dimensionally Isotropic Negative-Refractive-Index Medium. In IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION. ISSN 0018-926X, 2012, vol. 60, no. 8, pp. 3661., WOS
- [1.1] SABAH, Cumali. Electric and magnetic excitations in anisotropic broadside-coupled triangular-split-ring resonators. In APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING. ISSN 0947-8396, 2012, vol. 108, no. 2, pp. 457., WOS
- [1.1] SABAH, C. In JOURNAL OF PHYSICS D, 2011, vol. 44, 255101., WOS
- [1.1] SABAH, C. Microwave response of octagon-shaped parallel plates: Low-loss metamaterial. In OPTICS COMMUNICATIONS. ISSN 0030-4018, 2012, vol. 285, no. 21-22, pp. 4549., WOS
- [1.1] SAKODA, Kazuaki. Dirac cone in two- and three-dimensional metamaterials. In OPTICS EXPRESS. ISSN 1094-4087, 2012, vol. 20, no. 4, pp. 3898., WOS
- [1.1] SAKODA, K. In OPTICS EXPRESS, 2011, vol. 19, p. 13899., WOS
- [1.1] SAVO, S. In APPLIED PHYSICS LETTERS, 2011, vol. 98, 171907., WOS
- [1.1] SCARBOROUGH, C. P. - JIANG, Z. H. - WERNER, D. H. - RIVERO-BALEINE, C. - DRAKE, C. Experimental demonstration of an isotropic metamaterial super lens with negative unity permeability at 8.5 MHz. In

- APPLIED PHYSICS LETTERS. ISSN 0003-6951, 2012, vol. 101, no. 1, 014101., WOS
- [1.1] SECHRIST, Zachary A. - CAMBREA, Lee R. - TONUCCI, Ronald J. - STOCKMAN, MI. Comparison of Novel Graded Refractive Index Tapered Nanowell Design Against A Triangle Array Commonly Used For Surface Enhanced Raman Scattering. In PLASMONICS: METALLIC NANOSTRUCTURES AND THEIR OPTICAL PROPERTIES X. ISSN 0277-786X, 2012, vol. 8457, 84573E., WOS
- [1.1] SEIFOORY, H. Designing Single and Multi-Functional Layer Fishnet Metamaterial at Telecommunication Wavelength. In 3RD INTERNATIONAL CONFERENCE ON PHOTONICS 2012 (ICP 2012), 2012, 145., WOS
- [1.1] SHELTON, D. In ELECTRONIC AND OPTICAL MATERIALS, 2014, vol. 40, pp. 547-589., WOS
- [1.1] SHI, Z.C. In APPLIED PHYSICS LETTERS, 2011, vol. 99, 032903., WOS
- [1.1] SHREIBER, D. In SENSORS AND ACTUATORS A, 2011, vol. 165, p. 256., WOS
- [1.1] SIMOVSKI, C.R. In JOURNAL OF OPTICS, 2011, vol. 13, 013001., WOS
- [1.1] SINGH, P.K. In APPLIED PHYSICS LETTERS, 2011, vol. 99, 264101., WOS
- [1.1] SI, Li-Ming - ZHU, Weiren - LV, Xin - CUI, TJ - CHENG, Q - JIANG, WX - MA, HF - BAO, D - TANG, WX. Determination of the effective constitutive parameters of active transmission line metamaterials. In PROCEEDINGS OF THE 2012 INTERNATIONAL WORKSHOP ON METAMATERIALS (META), 2012., WOS
- [1.1] SOEMPHOL, C. - WONGKASEM, N. - CUI, TJ - CHENG, Q - JIANG, WX - MA, HF - BAO, D - TANG, WX. Design of Near-Zero Refractive Index Metamaterials using epsilon and mu Near-Zero Media. In PROCEEDINGS OF THE 2012 INTERNATIONAL WORKSHOP ON METAMATERIALS (META), 2012., WOS
- [1.1] SOHEILLIFAR, M.R. In MICROWAVE AND OPTICAL TECHNOLOGY, 2014, vol. 56, pp. 2916., WOS
- [1.1] SONG, K. In PHYSICA SCRIPTA, 2011, vol. 84, 035402., WOS
- [1.1] SONG, K. In SCIENTIFIC REPORTS, 2014, vol. 4, 7421., WOS
- [1.1] SONG, Z. In EPL, 2014, vol. 106, 27005., WOS
- [1.1] SONG, Z. Making a continuous metal film transparent. In APPLIED PHYSICS LETTERS, 2012, vol. 101, 181110., WOS
- [1.1] SONG, Z. - XU, H. In EPL, 2014, vol. 107, 57007., WOS
- [1.1] STRELNIKER, Y.M. In PROCEEDINGS OF SPIE, 2011, vol. 7993, 79931X., WOS
- [1.1] SU BIN - GONG BO-YI - ZHAO XIAO-PENG. Numerical simulation of leaf-shaped metamaterial absorber at infrared frequency. In ACTA PHYSICA SINICA. ISSN 1000-3290, 2012, vol. 61, no. 14, 144203., WOS
- [1.1] SUKHOV, S. In PHOTONICS AND NANOSTRUCTURES, 2013, vol. 11, pp. 65., WOS
- [1.1] SUN, Liangkui - CHENG, Haifeng - ZHOU, Yongjiang - WANG, Jun. Design of a Lightweight Magnetic Radar Absorber Embedded With Resistive FSS. In IEEE ANTENNAS AND WIRELESS PROPAGATION LETTERS. ISSN 1536-1225, 2012, vol. 11, pp. 675., WOS

- [1.1] SUN, M. Gain enhancement. In IEEE ASIA-PACIFIC CONFERENCE ON ANTENNAS AND PROPAGATION, 2012, pp. 70., WOS
- [1.1] TALLEB, Hakeim - DJEFFAL, Zine Eddine - LAUTRU, David - OURIR, Abdelwaheb - HANNA, Victor Fouad. Electric near field measurements and electromagnetic simulations of a bianisotropic metamaterial composed of split ring resonator (SRR) particles. In APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING. ISSN 0947-8396, 2012, vol. 109, no. 3, pp. 693., WOS
- [1.1] TAMMA, V.A. In IEEE ANTENNAS AND PROPAGATION SOCIETY INTERNATIONAL SYMPOSIUM, 2011, p. 775., WOS
- [1.1] TANG, Ming-Chun - XIAO, Shaoqiu - DENG, Tianwei - WANG, Yan - BAI, Yanying - LIU, Changrong - SHANG, Yuping - XIONG, Jiang - WANG, Bingzhong. Design of a broadband mu-negative planar material with low frequency dispersion. In APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING. ISSN 0947-8396, 2012, vol. 106, no. 4, pp. 821., WOS
- [1.1] TANG, M.-CH. Design of a broadband mu-negative planar material. In APPLIED PHYSICS A, 2012, vol. 106, pp. 821., WOS
- [1.1] TANG, S. In OPTICS EXPRESS, 2011, vol. 19, p. 18283., WOS
- [1.1] TSUKERMAN, I. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B, 2011, vol. 28, p. 2956., WOS
- [1.1] TUNG, N.T. In EUROPEAN PHYSICAL JOURNAL B, 2011, vol. 81, p. 263., WOS
- [1.1] TURPIN, Jeremiah P. - WU, Qi - WERNER, Douglas H. - MARTIN, Bonnie - BRAY, Matt - LIER, Erik. Low Cost and Broadband Dual-Polarization Metamaterial Lens for Directivity Enhancement. In IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION. ISSN 0018-926X, 2012, vol. 60, no. 12, pp. 5717., WOS
- [1.1] TURPIN, J.P. In IEEE ANTENNAS AND PROPAGATION SOCIETY INTERNATIONAL SYMPOSIUM, 2011, p. 2882., WOS
- [1.1] URZHUMOV, Yaroslav - CHEN, Wenchen - BINGHAM, Chris - PADILLA, Willie - SMITH, David R. Magnetic levitation of metamaterial bodies enhanced with magnetostatic surface resonances. In PHYSICAL REVIEW B. ISSN 1098-0121, 2012, vol. 85, no. 5, 054430., WOS
- [1.1] VALDIVIA-VALERO, F. J. - NIETO-VESPERINAS, M. Composites of resonant dielectric rods: A test of their behavior as metamaterial refractive elements. In PHOTONICS AND NANOSTRUCTURES-FUNDAMENTALS AND APPLICATIONS. ISSN 1569-4410, 2012, vol. 10, no. 4, pp. 423., WOS
- [1.1] VINCENTI, Maria Antonietta - CAMPIONE, Salvatore - DE CEGLIA, Domenico - CAPOLINO, Filippo - SCALORA, Michael. Gain-assisted harmonic generation in near-zero permittivity metamaterials made of plasmonic nanoshells. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2012, vol. 14, 103016., WOS
- [1.1] VINOGRADOV, A.P. In OPTICS EXPRESS, 2011, vol. 19, p. 6699., WOS
- [1.1] VIOKTALAMO, Aunuddin Syabba - WATANABE, Ryosuke - ISHIHARA, Teruya. Permeability enhancement of stratified metal dielectric metamaterial in optical regime. In PHOTONICS AND NANOSTRUCTURES-FUNDAMENTALS AND APPLICATIONS. ISSN 1569-4410, 2012, vol. 10, no. 3, pp. 325., WOS
- [1.1] VU TRAN THANH THUY. In JOURNAL OF THE KOREAN

PHYSICAL SOCIETY, 2011, vol. 58, p. 87., WOS

[1.1] VU VAN YEM - PHAM VAN CHI - JOURNET, Bernard. Novel MIMO Antenna Using Complementary Split Ring Resonator(CSRR) For LTE Applications. In 2012 INTERNATIONAL CONFERENCE ON ADVANCED TECHNOLOGIES FOR COMMUNICATIONS (ATC 2012). ISSN 2162-1020, 2012, pp. 222., WOS

[1.1] WANG, B. In APPLIED PHYSICS LETTERS, 2011, vol. 98, 254101., WOS

[1.1] WANG, H. In JOURNAL OF ELECTROMAGNETIC WAVES AND APPLICATIONS, 2011, vol. 25, p. 85., WOS

[1.1] WANG, Jô. ACHIEVING ALL-DIELECTRIC LEFT-HANDED METAMATERIALS. In JOURNAL OF APPLIED PHYSICS, 2012, vol. 111, 044903., WOS

[1.1] WANG, Junqiao - FAN, Chunzhen - DING, Pei - HE, Jinna - CHENG, Yongguang - HU, Weiqin - CAI, Genwang - LIANG, Erjun - XUE, Qianzhong. Tunable broad-band perfect absorber by exciting of multiple plasmon resonances at optical frequency. In OPTICS EXPRESS. ISSN 1094-4087, 2012, vol. 20, no. 14, pp. 14871., WOS

[1.1] WANG, Q. In CHINESE JOURNAL OF PHYSICS, 2011, vol. 49, p. 1255., WOS

[1.1] WANG, Rong. In IEEE TRANSACTIONS ON MICROWAVE THEORY AND TECHNIQUES, 2014, vol. 62, pp. 1080-1089., WOS

[1.1] WANG, W. In EUROPEAN PHYSICAL JOURNAL, 2011, vol. 53, 20401., WOS

[1.1] WANG, W. - NISHIMURA, N. CALCULATION OF SHAPE DERIVATIVES WITH PERIODIC FAST MULTIPOLE METHOD WITH APPLICATION TO SHAPE OPTIMIZATION OF METAMATERIALS. In PROGRESS IN ELECTROMAGNETICS RESEARCH-PIER. ISSN 1559-8985, 2012, vol. 127, no., pp. 49., WOS

[1.1] WANG, X. In JOURNAL OF THE AMERICAN CERAMIC SOCIETY, 2014, vol. 97, pp. 3223., WOS

[1.1] WANG, Yang - SUN, Tianyi - PAUDEL, Trilochan - ZHANG, Yi - REN, Zhifeng - KEMPA, Krzysztof. Metamaterial-Plasmonic Absorber Structure for High Efficiency Amorphous Silicon Solar Cells. In NANO LETTERS. ISSN 1530-6984, 2012, vol. 12, no. 1, pp. 440., WOS

[1.1] WANG, Y. In APPLIED PHYSICS B, 2011, vol. 102, p. 863., WOS

[1.1] WANG, Y. In IEEE TRANSACTIONS ON MAGNETICS, 2011, vol. 47, p. 2592., WOS

[1.1] WATANABE, R. In AIP ADVANCES, 2011, vol. 1, 042154., WOS

[1.1] WUESTNER, Sebastian - PUSCH, Andreas - HAMM, Joachim M. - TSAKMAKIDIS, Kosmas L. - HESS, Ortwin. Dynamics of amplification in a nanoplasmonic metamaterial. In APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING. ISSN 0947-8396, 2012, vol. 107, no. 1, pp. 77., WOS

[1.1] WUESTNER, S.- HESS, O. In PROGRESS IN OPTICS, 2014, vol. 59, pp. 1-88., WOS

[1.1] WUSTNER, S. In PHILOSOPHICAL TRANSACTIONS OF THE ROYAL SOCIETY A, 2011, vol. 369, p. 3525., WOS

[1.1] WUSTNER, S. In PROCEEDINGS OF SPIE, 2011, vol. 8095, 809504., WOS

- [1.1] WU, Ch. In PHYSICAL REVIEW B, 2011, vol. 84, 075102., WOS
- [1.1] WU, Qian-nan - XU, Ya-dong - CHEN, Huan-yang. A broadband perfect field rotator. In FRONTIERS OF PHYSICS. ISSN 2095-0462, 2012, vol. 7, no. 3, pp. 315., WOS
- [1.1] WU, X. In JOURNAL OF INFRARED AND MILLIMETER WAVES, 2011, vol. 30, p. 469., WOS
- [1.1] WU, Z. In PROCEEDINGS OF SPIE, 2011, vol. 8093, 80931C., WOS
- [1.1] XIE, Y. In PLASMONICS, 2011, vol. 6, p. 477., WOS
- [1.1] XIN-HE, Xu - SHAO-QIU, Xiao - YUE-HONG, Gan - CHONG-FANG, Fu - BING-ZHONG, Wang. Analysis of symmetrical, periodic negative-permeability metamaterial using interdigital capacitance loading. In ACTA PHYSICA SINICA. ISSN 1000-3290, 2012, vol. 61, no. 12, 124103., WOS
- [1.1] XIONG, Xiang - JIANG, Shang-Chi - HU, Yu-Hui - ZHAO, Jun-Ming - FENG, Yi-Jun - PENG, Ru-Wen - WANG, Mu. Assembling optically active and nonactive metamaterials with chiral units. In AIP ADVANCES. ISSN 2158-3226, 2012, vol. 2, no. 4, 041413., WOS
- [1.1] XIONG, X. In APPLIED PHYSICS LETTERS, 2011, vol. 98, 071901., WOS
- [1.1] XIONG, X. In APPLIED PHYSICS LETTERS, 2011, vol. 99, 181905., WOS
- [1.1] XI, F. Omnidirectional reflectance gaps. In EUROPEAN PHYSICAL JOURNAL D, 2012, vol. 66, 33., WOS
- [1.1] XUAN, Yimin - HUANG, Jinguo - LI, Qiang. TUNABLE NEGATIVE REFRACTIVE INDEX METAMATERIALS BASED ON THERMOCHROMIC OXIDES. In PROCEEDINGS OF THE ASME MICRO/NANOSCALE HEAT AND MASS TRANSFER INTERNATIONAL CONFERENCE, 2012, pp. 455., WOS
- [1.1] YAHIAOUI, R. In APPLIED PHYSICS A, 2011, vol. 103, p. 685., WOS
- [1.1] YAHIAOUI, R. In PROCEEDINGS OF SPIE, 2011, vol. 7917, 79170E., WOS
- [1.1] YAHIAOUI, R. - CHUNG, U.C. - ELISSALDE, C. - MAGLIONE, M. - VIGNERAS, V. - MOUNAIX, P. Towards left-handed metamaterials using single-size dielectric resonators: The case of TiO₂-disks at millimeter wavelengths. In APPLIED PHYSICS LETTERS. ISSN 0003-6951, 2012, vol. 101, no. 4, pp. 891., WOS
- [1.1] YAHIAOUI, R. - NEMEC, H. - KADLEC, C. - KADLEC, F. - KUZEL, P. - CHUNG, U.C. - ELISSALDE, C. - MAGLIONE, M. - MOUNAIX, P. TiO₂ microsphere-based metamaterials exhibiting effective magnetic response in the terahertz regime. In APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING. ISSN 0947-8396, 2012, vol. 109, no. 4, pp. 891., WOS
- [1.1] YANG, J. In PHYSICAL REVIEW LETTERS, 2011, vol. 107, 043903., WOS
- [1.1] YANG, J. In PROCEEDINGS OF SPIE, 2011, vol. 8070, 807006., WOS
- [1.1] YANG, X.M. In IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, 2011, vol. 59, p. 373., WOS
- [1.1] YANG, Y.-H. Magnetic surface polariton. In PLASMONICS, 2012, vol. 7, pp. 87., WOS

- [1.1] YAN, S. In JAPANESE JOURNAL OF APPLIED PHYSICS, 2014, vol. 53, 110306., WOS
- [1.1] YAN, S. - VANDENBOSCH, G. A. E. INCREASING THE NRI BANDWIDTH OF DIELECTRIC SPHERE-BASED METAMATERIALS BY COATING. In PROGRESS IN ELECTROMAGNETICS RESEARCH-PIER. ISSN 1559-8985, 2012, vol. 132, pp. 1., WOS
- [1.1] YE, D. In NATURE COMMUNICATIONS, 2014, vol. 5, 5841., WOS
- [1.1] YE, D. In SCIENTIFIC REPORTS, 2013, vol. 3, 1628., WOS
- [1.1] YUN, Seokho - JIANG, Zhi Hao - XU, Qian - LIU, Zhiwen - WERNER, Douglas H. - MAYER, Theresa S. Low-Loss Impedance-Matched Optical Metamaterials with Zero-Phase Delay. In ACS NANO. ISSN 1936-0851, 2012, vol. 6, no. 5, pp. 4475., WOS
- [1.1] YUN, Seokho - LIN, Lan - JIANG, Zhi Hao - MA, Ding - LIU, Zhiwen - WERNER, Douglas H. - MAYER, Theresa S. - BOARDMAN, AD - ENGHETA, N - NOGINOV, MA - ZHELUDEV, NI. Flexible zero refractive index optical metamaterial with matched impedance. In METAMATERIALS: FUNDAMENTALS AND APPLICATIONS V. ISSN 0277-786X, 2012, vol. 8455, 84551Q., WOS
- [1.1] ZARIFI, D. In IET MICROWAVES ANTENNAS AND PROPAGATION, 2014, vol. 8, pp. 632., WOS
- [1.1] ZENG, Y. In IEEE ANTENNAS AND PROPAGATION SOCIETY INTERNATIONAL SYMPOSIUM, 2011, p. 1166., WOS
- [1.1] ZENG, Y. - DALVIT, D. A. R. - O&APOS;HARA, J. - TRUGMAN, S. A. Modal analysis method to describe weak nonlinear effects in metamaterials. In PHYSICAL REVIEW B. ISSN 1098-0121, 2012, vol. 85, no. 12, 125107., WOS
- [1.1] ZHANG, Fuli - KANG, Lei - ZHAO, Qian - ZHOU, Ji - LIPPENS, Didier. Magnetic and electric coupling effects of dielectric metamaterial. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2012, vol. 14, 033031., WOS
- [1.1] ZHANG, F. - SADAUNE, V. - KANG, L. - ZHAO, Q. - ZHOU, J. - LIPPENS, D. COUPLING EFFECT FOR DIELECTRIC METAMATERIAL DIMER. In PROGRESS IN ELECTROMAGNETICS RESEARCH-PIER. ISSN 1559-8985, 2012, vol. 132, pp. 587., WOS
- [1.1] ZHANG, J. In JOURNAL OF OPTICS, 2014, vol. 16, 125102., WOS
- [1.1] ZHANG, Y. In JOURNAL OF ELECTROMAGNETIC WAVES AND APPLICATIONS, 2011, vol. 25, p. 2178., WOS
- [1.1] ZHANG, Y. In JOURNAL OF MICROWAVE POWER AND ELECTROMAGNETIC ENERGY, 2014, vol. 48, no. 3, pp. 184-191., WOS
- [1.1] ZHAO, Jiangnan - ZHENG, Guoxing - LI, Song - ZHOU, Hui - MA, Yue - ZHANG, Ruiying - SHI, Yan - HE, Ping'an. A hyperlens-based device for nanoscale focusing of light. In CHINESE OPTICS LETTERS. ISSN 1671-7694, 2012, vol. 10, no. 4, 042302., WOS
- [1.1] ZHAO, R. In PHYSICAL REVIEW B, 2011, vol. 83, 035105., WOS
- [1.1] ZHAO, Y. In OPTICS EXPRESS, 2011, vol. 19, p. 11605., WOS
- [1.1] ZHAO, Y. Optimizing low loss silver nanowires structure. In PHYSICS LETTERS A, 2012, vol. 376, pp. 252., WOS
- [1.1] ZHENG, G. In IEEE PHOTONICS TECHNOLOGY LETTERS, 2011, vol. 23, p. 1234., WOS
- [1.1] ZHILIN, A. A. - SHEPILOV, M. P. - ZAPALOVA, S. S. - TAGANTSEV, D. K. - ALEMASKIN, M. Yu. - SAZONOV, M. E. Metamaterials with a network structure. In JOURNAL OF OPTICAL

- TECHNOLOGY. ISSN 1070-9762, 2012, vol. 79, no. 4, pp. 241., WOS
- [1.1] ZHONG, M. In JOURNAL OF INFRARED AND MILLIMETER WAVES, 2014, vol. 33, pp. 227., WOS
- [1.1] ZHONG, S. In SCIENTIFIC REPORTS, 2013, vol. 3, 2083., WOS
- [1.1] ZHOU, B. In IEEE ANTENNAS AND WIRELESS PROPAGATION LETTERS, 2011, vol. 10, p. 326., WOS
- [1.1] ZHOU, B. In JOURNAL OF APPLIED PHYSICS, 2011, vol. 110, 084908., WOS
- [1.1] ZHOU, B. In PROGRESS IN ELECTROMAGNETICS RESEARCH-PIER, 2011, vol. 120, p. 235., WOS
- [1.1] ZHOU, J. In OPTIK, 2011, vol. 122, no. 18, p. 1672., WOS
- [1.1] ZHOU, L. - TANG, X. M. - HUANG, C. P. - ZHANG, Y. - ZHU, Y. Y. Magnetoelectrically coupled polariton excitation in a plasmonic crystal composed of nanorod dimers. In JOURNAL OF PHYSICS-CONDENSED MATTER. ISSN 0953-8984, 2012, vol. 24, no. 26, 265501., WOS
- [1.1] ZHOU, W. In JOURNAL OF APPLIED PHYSICS, 2011, vol. 109, 093504., WOS
- [1.1] ZHU, H.L. et al. In IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, 2014, vol. 62, pp. 80-85., WOS
- [1.1] ZHU, R. Effective dynamic properties. In JOURNAL OF VIBRATION AND ACOUSTICS, 2012, vol. 134, no. 3, 031006., WOS
- [1.1] CHEN, X. In JOURNAL OF APPLIED PHYSICS, 2011, vol. 110, 044904.
- [1.2] ABESSOLO, M. A Abaga - DIALLO, Y. - JAOUJAL, Achraf - MOUSSAOUI, Ahmed El - AKNIN, Noura. Stop-band filter using a new metamaterial complementary split triangle resonators (CSTRs). In Applied Computational Electromagnetics Society Journal. ISSN 10544887, 2013-04-01, 28, 4, pp. 353-358., SCOPUS
- [1.2] AIT-EL-AOUD, Yassine - KUSSOW, Adil Gerai - JARADAT, Hamzeh M. - AKYURTLU, Alkim. Experimental demonstration of negative index of refraction in magnetic semiconductors. In IEEE Transactions on Terahertz Science and Technology. ISSN 2156342X, 2013-11-01, 3, 6, pp. 791-797., SCOPUS
- [1.2] ALAEE, Rasoul - MENZEL, Christoph - BANAŚ, Agnieszka Maria - BANAŚ, Krzysztof - XU, Su - CHEN, Hongsheng - MOSER, Herbert O. - LEDERER, Falk L. - ROCKSTUHL, Carsten. Propagation of electromagnetic fields in bulk terahertz metamaterials: A combined experimental and theoretical study. In Physical Review B Condensed Matter and Materials Physics. ISSN 10980121, 2013-02-13, 87, 7, 075110., SCOPUS
- [1.2] ALBOOYEH, Mohammad - RA'DI, Younes - ADIL, M. Q. - SIMOVSKI, Constantin R. Revised transmission line model for electromagnetic characterization of metasurfaces. In Physical Review B Condensed Matter and Materials Physics. ISSN 10980121, 2013-08-28, 88, 8, 085435., SCOPUS
- [1.2] ALISAFEE, Hossein - MYCIA COX, P. - FIDDY, Michael A. Low-index metamaterials comprised of plasmonic dimers of aluminum-doped zinc oxide. In Proceedings of SPIE The International Society for Optical Engineering. ISSN 0277786X, 2013-12-09, 8806, 88061., SCOPUS
- [1.2] ALISAFEE, Hossein - FIDDY, Michael A. Polarization insensitivity in epsilon-near-zero metamaterial from plasmonic aluminum-doped zinc oxide nanoparticles. In Journal of Nanophotonics, 2014-01-17, 8, 1, 083898., SCOPUS

- [1.2] ALISAFAGE, Hossein - FIDDY, Michael A. Polarization-dependent bandwidth in low-index plasmonic metamaterials. In *Applied Optics*. ISSN 1559-128X, 2014-01-01, 53, 34, pp. 8043-8048., SCOPUS
- [1.2] ALISAFAGE, Hossein - FULLAGER, Daniel B. - FIDDY, Michael A. ENZ waveguide of Al-doped zinc oxide for telecommunication applications. In *Proceedings of SPIE The International Society for Optical Engineering*. ISSN 0277786X, 2014-01-01, 8994, 89941E., SCOPUS
- [1.2] AMIRI, Nasrin - FOROORAGHI, Keyvan - ATLASBAF, Zahra. Broadband and compact double negative composite metamaterials with low losses. In *International Journal of Applied Electromagnetics and Mechanics*. ISSN 13835416, 2013-12-01, 43, 3, pp. 271-281., SCOPUS
- [1.2] AMOOGHORBAN, Ehsan - MORTENSEN, Niels Asger - WUBS, Martijn. Quantum optical effective-medium theory for loss-compensated metamaterials. In *Physical Review Letters*. ISSN 00319007, 2013-04-09, 110, 15, 153602., SCOPUS
- [1.2] ARSLANAGIĆ, Samel - HANSEN, Troels V. - MORTENSEN, Niels Asger - GREGERSEN, A. H. - SIGMUND, Ole - ZIOLKOWSKI, Richard W. - BREINBJERG, Olav. A review of the scattering-parameter extraction method with clarification of ambiguity issues in relation to metamaterial homogenization. In *IEEE Antennas and Propagation Magazine*. ISSN 10459243, 2013-04-01, 55, 2, pp. 91-106., SCOPUS
- [1.2] ASKARI, Mehdi - NIAKAN, Narges - ZAKERY, Abdolnaser. A high transmission and low loss metamaterial with negative refraction at 458 THz. In *Optik*. ISSN 00304026, 2013-08-01, 124, 15, pp. 2210-2213., SCOPUS
- [1.2] ASLAM, Muhammad Imran - GÜNEY, Durdu Ö. On negative index metamaterial spacers and their unusual optical properties. In *Progress In Electromagnetics Research B*. ISSN 19376472, 2013-03-21, 47, pp. 203-217., SCOPUS
- [1.2] ASLAM, Muhammad I. - ASLAM, Muhammad I. - GÜNEY, Durdu Ö. Optimizing low loss negative index metamaterial for visible spectrum using differential evolution: Comment. In *Optics Express*, 2014-02-24, 22, 4, pp. 3773-3774., SCOPUS
- [1.2] BAIT-SUWAILAM, Mohammed M. - YOUSEFI, Leila - ALAVIKIA, Babak - RAMAHI, Omar M. Analytical models for predicting the effective permittivity of complementary metamaterial structures. In *Microwave and Optical Technology Letters*. ISSN 08952477, 2013-07-01, 55, 7, pp. 1565-1569., SCOPUS
- [1.2] BALA, Bashir D. - RAHIM, Mohamad Kamal Abdul - MURAD, Noor Asniza. A compact triple mode metamaterial inspired-monopole antenna for wideband applications. In *ISAP 2013 Proceedings of the 2013 International Symposium on Antennas and Propagation*, 2013-12-01, 2, pp. 1127-1130., SCOPUS
- [1.2] BALA, Bashir D. - RAHIM, Mohamad Kamal Abdul - MURAD, Noor Asniza. An epsilon negative metamaterial antenna with extended bandwidth. In *RFM 2013 2013 IEEE International RF and Microwave Conference, Proceedings*, 2013-01-01, pp. 372-375., SCOPUS
- [1.2] BALA, Bashir D. - RAHIM, Mohamad Kamal A - MURAD, Noor Asniza. Complementary electric-LC resonator antenna for WLAN applications. In *Applied Physics A: Materials Science and Processing*. ISSN 09478396, 2014-01-01, 117, 2, pp. 635-639., SCOPUS

- [1.2] BELARDINI, Alessandro - SIBILIA, Concita. Evaluation of the negative refractive index by beam deviation measurements. In Optoelectronics and Advanced Materials, Rapid Communications. ISSN 18426573, 2013-06-13, 7, 3-4, pp. 184-187., SCOPUS
- [1.2] BELOV, Pavel A. - SLOBOZHANYUK, Alexey P. - FILONOV, Dmitry S. - YAGUPOV, Ilya V. - KAPITÁNOVA, Polina V. - SIMOVSKI, Constantin R. - LAPINE, Mikhail V. - KIVSHAR, Yuri S. Broadband isotropic μ -near-zero metamaterials. In Applied Physics Letters. ISSN 00036951, 2013-11-18, 103, 21, 211903., SCOPUS
- [1.2] BHASKAR, Manoj - AKHTER, Zubair - GUPTA, Sonu Lal - AKHTAR, M. Jaleel. Design of anisotropic zero-index metamaterial loaded tapered slot vivaldi antenna for microwave imaging. In IEEE Antennas and Propagation Society, AP-S International Symposium (Digest). ISSN 15223965, 2014-01-01, pp. 1594-1595., SCOPUS
- [1.2] BISWAS, Sushmita - DUAN, Jinsong - NEPAL, Dhriti - PARK, Kyoungweon - PACHTER, Ruth K. - VAIA, Richard A. Plasmon-induced transparency in the visible region via self-assembled gold nanorod heterodimers. In Nano Letters. ISSN 15306984, 2013-12-11, 13, 12, pp. 6287-6291., SCOPUS
- [1.2] BOUBAKRI, Akram - CHOUBANI, Fethi - VUONG, Tan Hoa - DAVID, Jacques. Subdiffraction resolution super lens based on negative refractive index transmission line metamaterial for free space imaging. In International Conference on Multimedia Computing and Systems Proceedings, 2014-01-01, 0, pp. 1367-1371., SCOPUS
- [1.2] CAMPIONE, Salvatore - SINCLAIR, Michael B. - CAPOLINO, Filippo. Effective medium representation and complex modes in 3D periodic metamaterials made of cubic resonators with large permittivity at mid-infrared frequencies. In Photonics and Nanostructures Fundamentals and Applications. ISSN 15694410, 2013-11-01, 11, 4, pp. 423-435., SCOPUS
- [1.2] CAO, Tun - SIMPSON, Robert Edward - CRYAN, Martin J. Study of tunable negative index metamaterials based on phase-change materials. In Journal of the Optical Society of America B: Optical Physics. ISSN 07403224, 2013-02-01, 30, 2, pp. 439-444., SCOPUS
- [1.2] CAO, Tun - WANG, Shuai. Topological insulator metamaterials with tunable negative refractive index in the optical region. In Nanoscale Research Letters. ISSN 19317573, 2013-12-01, 8, 1, pp. 1-8., SCOPUS
- [1.2] CAO, Tun - WANG, Shuai - JIANG, Weixiang. Tunable metamaterials using a topological insulator at near-infrared regime. In RSC Advances, 2013-11-14, 3, 42, pp. 19474-19480., SCOPUS
- [1.2] CAO, Tun - WANG, Shuai. Blue shift tunable negative index metamaterials based on topological insulator for near-infrared spectrum. In Materials Express. ISSN 21585849, 2014-01-01, 4, 3, pp. 196-204., SCOPUS
- [1.2] CAO, Tun - ZOU, Yang - ADAWI, Ali M. - CRYAN, Martin J. Directive emission of red conjugated polymer embedded within zero index metamaterials. In Optics Express, 2014-01-01, 22, 19, pp. 22699-22706., SCOPUS
- [1.2] CAO, Z. X. - CAO, Z. X. - CAO, Z. X. - YUAN, F. G. - YUAN, F. G. - LI, L. H. A super-compact metamaterial absorber cell in L-band. In Journal of Applied Physics. ISSN 00218979, 2014-05-14, 115, 18, 184904., SCOPUS
- [1.2] CAO, Z. X. - CAO, Z. X. - CAO, Z. X. - YUAN, F. G. - YUAN, F. G. - LI, L. H. An automated phase correction algorithm for retrieving permittivity and

- permeability of electromagnetic metamaterials. In AIP Advances, 2014-01-01, 4, 6, 067115., SCOPUS
- [1.2] CASTANIÉ, A. - MERCIER, J. F. - FÉLIX, S. - MAUREL, A. Generalized method for retrieving effective parameters of anisotropic metamaterials. In Optics Express, 2014-01-01, 22, 24, pp. 29937-29953., SCOPUS
- [1.2] CONTOPANAGOS, Harry F. Induced resonant electromagnetic transmission in almost-shortened dual screens. In Journal of the Optical Society of America B: Optical Physics. ISSN 07403224, 2013-04-01, 30, 4, pp. 874-883., SCOPUS
- [1.2] DE CEGLIA, Domenico - CAMPIONE, Salvatore - VINCENTI, Maria Antonietta - CAPOLINO, Filippo - SCALORA, Michael. Low-damping epsilon-near-zero slabs: Nonlinear and nonlocal optical properties. In Physical Review B Condensed Matter and Materials Physics. ISSN 10980121, 2013-04-22, 87, 15., SCOPUS
- [1.2] DHOUIBI, Abdallah - BUROKUR, Shah Nawaz - DE LUSTRAC, André - PRIOU, Alain C. Low-profile substrate-integrated lens antenna using metamaterials. In IEEE Antennas and Wireless Propagation Letters. ISSN 15361225, 2013-12-03, 12, pp. 43-46., SCOPUS
- [1.2] DHOUIBI, Abdallah - BUROKUR, Shah Nawaz - DE LUSTRAC, André - PRIOU, Alain C. X-band metamaterial-based Luneburg lens antenna. In IEEE Antennas and Propagation Society, AP-S International Symposium (Digest). ISSN 15223965, 2013-12-01, pp. 1292-1293., SCOPUS
- [1.2] DHOUIBI, Abdallah - BUROKUR, Shah Nawaz - DE LUSTRAC, André - PRIOU, Alain C. Broadband metamaterial-based half Maxwell fish-eye lens antenna. In IEEE Antennas and Propagation Society, AP-S International Symposium (Digest). ISSN 15223965, 2013-12-01, pp. 1294-1295., SCOPUS
- [1.2] DHOUIBI, Abdallah - BUROKUR, Shah Nawaz - DE LUSTRAC, André - PRIOU, Alain C. Metamaterial-based half Maxwell fish-eye lens for broadband directive emissions. In Applied Physics Letters. ISSN 00036951, 2013-01-14, 102, 2, 024102., SCOPUS
- [1.2] DHOUIBI, Abdallah - BUROKUR, Shah Nawaz - BUROKUR, Shah Nawaz - DE LUSTRAC, André - DE LUSTRAC, André. Planar metamaterial-based beam-scanning broadband microwave antenna. In Journal of Applied Physics. ISSN 00218979, 2014-05-21, 115, 19, 194901., SCOPUS
- [1.2] DHOUIBI, Abdallah - BUROKUR, Shah Nawaz - BUROKUR, Shah Nawaz - DE LUSTRAC, André - DE LUSTRAC, André. Metamaterial-based 2D multi-beam broadband Luneburg lens antenna. In 2014 31th URSI General Assembly and Scientific Symposium, URSI GASS 2014, 2014-01-01., SCOPUS
- [1.2] DINCER, Furkan - DINCER, Furkan - KARAASLAN, Muharrem - KARAASLAN, Muharrem - UNAL, Emin - UNAL, Emin - AKGOL, Oguzhan - AKGOL, Oguzhan - SABAH, Cumali. Chiral metamaterial structures with strong optical activity and their applications. In Optical Engineering. ISSN 00913286, 2014-10-01, 53, 10, 107101., SCOPUS
- [1.2] DOMINEC, Filip - KADLEC, Christelle - NĚMEC, Hynek - KADLEC, F. - YAHIAOUI, Riad - CHUNG, U. Chan - ELISSALDE, Catherine - MAGLIONE, Mario - MOUNAIX, P. - KUŽEL, Petr. Resonant terahertz response of TiO₂ microspheres. In Proceedings of SPIE The International Society for Optical Engineering. ISSN 0277786X, 2013-07-24, 8771, UNSP 87710L., SCOPUS

- [1.2] DOMINEC, F. - DOMINEC, F. - KADLEC, C. - NĚMEC, H. - KUŽEL, P. - KADLEC, F. Transition between metamaterial and photonic-crystal behavior in arrays of dielectric rods. In Optics Express, 2014-01-01, 22, 25, pp. 30492-30503., SCOPUS
- [1.2] DOSSOU, Kokou B. - BOTTEN, Lindsay C. - POULTON, Christopher G. Semi-analytic impedance modeling of three-dimensional photonic and metamaterial structures. In Journal of the Optical Society of America A: Optics and Image Science, and Vision. ISSN 10847529, 2013-10-01, 30, 10, pp. 2034-2047., SCOPUS
- [1.2] DUAN, Zhaoyun - DUAN, Zhaoyun - HUMMELT, Jason S. - SHAPIRO, Michael A. - TEMKIN, Richard J. Sub-wavelength waveguide loaded by a complementary electric metamaterial for vacuum electron devices. In Physics of Plasmas. ISSN 1070664X, 2014-10-01, 21, 10, 103301., SCOPUS
- [1.2] DUBOIS, J. - ARISTÉGUI, C. - PONCELET, O. Spaces of electromagnetic and mechanical constitutive parameters for dissipative media with either positive or negative index. In Journal of Applied Physics. ISSN 00218979, 2014-01-14, 115, 2, 024902., SCOPUS
- [1.2] DU, Bai - WANG, Jun - XU, Zhuo - XIA, Song - WANG, Jiafu - QU, Shaobo. Band split in multiband all-dielectric left-handed metamaterials. In Journal of Applied Physics. ISSN 00218979, 2014-06-21, 115, 23, 234104., SCOPUS
- [1.2] DU, Qiujiào - YANG, Hongwu - LV, Tao - WANG, Xicheng. Multiband and polarization-independent left-handed metamaterial with cross fractal structure. In Optics Communications. ISSN 00304018, 2013-05-07, 301-302, pp. 74-77., SCOPUS
- [1.2] EMIROGLU, Caglar Dogu - KWON, Dohoon. Full-wave analysis of virtual probe radiation in transmission-line metamaterial. In IEEE Antennas and Propagation Society, AP-S International Symposium (Digest). ISSN 15223965, 2013-12-01, pp. 632-633., SCOPUS
- [1.2] FAN, Kebin - HWANG, Harold - LIU, Mengkun - STRIKWERDA, Andrew C. - STERNBACH, Aaron J. - ZHANG, Jingdi - ZHAO, Xiaoguang - ZHANG, Xin - NELSON, Keith A. - AVERITT, Richard Douglas. Nonlinear terahertz metamaterials via field-enhanced carrier dynamics in GaAs. In Physical Review Letters. ISSN 00319007, 2013-05-21, 110, 21., SCOPUS
- [1.2] FIETZ, Chris R. Electro-magnetostatic homogenization of bianisotropic metamaterials. In Journal of the Optical Society of America B: Optical Physics. ISSN 07403224, 2013-07-01, 30, 7, pp. 1937-1944., SCOPUS
- [1.2] GAO, Li - KIM, Youngmin - VAZQUEZ-GUARDADO, Abraham - SHIGETA, Kazuki - HARTANTO, Steven - FRANKLIN, Daniel - PROGLER, Christopher J. - BOGART, Gregory R. - ROGERS, John A. - CHANDA, Debashis. Materials selections and growth conditions for large-area, multilayered, visible negative index metamaterials formed by nanotransfer printing. In Advanced Optical Materials, 2014-03-01, 2, 3, pp. 256-261., SCOPUS
- [1.2] GAO, Li - SHIGETA, Kazuki - VAZQUEZ-GUARDADO, Abraham - VAZQUEZ-GUARDADO, Abraham - PROGLER, Christopher J. - BOGART, Gregory R. - ROGERS, John A. - ROGERS, John A. - CHANDA, Debashis - CHANDA, Debashis. Nanoimprinting techniques for large-area three-dimensional negative index metamaterials with operation in the visible and telecom bands. In ACS Nano. ISSN 19360851, 2014-06-24, 8, 6, pp. 5535-5542., SCOPUS

- [1.2] GAO, Peng - ZHANG, Chunmin - AI, Jingjing - KANG, Yongqiang - LI, Gang. Multiple frequency bands of square split resonant rings and metal wire metamaterial. In *Applied Optics*. ISSN 1559128X, 2013-09-01, 52, 25, pp. 6309-6315., SCOPUS
- [1.2] GAO, Peng - ZHANG, Chunmin - ZHANG, Lin - AI, Jingjing - KANG, Yongqiang - LI, Gang. Metamaterial composed of different cells exhibiting a negative refraction property over multiple frequency bands. In *Journal of Modern Optics*. ISSN 09500340, 2013-06-01, 60, 11, pp. 925-931., SCOPUS
- [1.2] GHASEMI, Rasta - DEGIRON, Aloyse - LE ROUX, Xavier - LUPU, Anatole - DE LUSTRAC, André. Transformation optics and metamaterials at infrared wavelength: Engineering of permittivity and permeability. In *Proceedings of SPIE The International Society for Optical Engineering*. ISSN 0277786X, 2013-07-24, 8771, UNSP 87710D., SCOPUS
- [1.2] GHEZZO, Fabrizia - YI, Xiang - MIAO, Xi Geng - ZHAO, Zhi Ya - LIU, Ruo Peng. Electromagnetic materials design for the enhancement of the microwave power transmission through polymeric slabs. In *Applied Mechanics and Materials*. ISSN 16609336, 2014-01-28, 492, pp. 397-404., SCOPUS
- [1.2] GILOAN, Mircea - AȘTILEAN, Simion. Dual-band optical negative index metamaterial based on hexagonal arrays of triangular nanoholes in metal-dielectric films. In *Optics Communications*. ISSN 00304018, 2013-06-01, 296, pp. 141-148., SCOPUS
- [1.2] GONG, Jianqiang - LIANG, Changhong. An accurate macro-cell-method for extracting dispersion characteristics of 1D reciprocal microwave structures with finite periodicity. In *Wuli Xuebao/Acta Physica Sinica*. ISSN 10003290, 2013-11-01, 62, 19, 199203., SCOPUS
- [1.2] GONCHARENKO, Anatoliy V. - NAZAROV, Vladimir U. - CHEN, Kuanren. Nanostructured metamaterials with broadband optical properties. In *Optical Materials Express*, 2013-02-26, 3, 2, pp. 143-156., SCOPUS
- [1.2] GRAHN, Patrick - SHEVCHENKO, Andriy S. - KAIIVOLA, Matti A J. Theoretical description of bifacial optical nanomaterials. In *Optics Express*, 2013-10-07, 21, 20, pp. 23471-23485., SCOPUS
- [1.2] GRIGORIEV, Victor - DEMÉSY, Guillaume - WENGER, Jérôme - BONOD, Nicolas. Singular analysis to homogenize planar metamaterials as nonlocal effective media. In *Physical Review B Condensed Matter and Materials Physics*. ISSN 10980121, 2014-06-03, 89, 24, 245102., SCOPUS
- [1.2] GRIMBERG, Raimond. Electromagnetic metamaterials. In *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*. ISSN 09215107, 2013-04-29, 178, 19, pp. 1285-1295., SCOPUS
- [1.2] GUO, Jun - XIANG, Yuanjiang - DAI, Xiaoyu - WEN, Shuangchun. Enhanced nonlinearities in double-fishnet negative-index photonic metamaterials. In *Progress in Electromagnetics Research*. ISSN 10704698, 2013-01-30, 136, pp. 269-282., SCOPUS
- [1.2] HAFDI, Z. - ZEMOULI, S. - CHAABI, Abdelhafid. Retrieval of effective parameters of left handed materials by using different approaches. In *ELECO 2013 8th International Conference on Electrical and Electronics Engineering*, 2013-01-01, pp. 427-430., SCOPUS
- [1.2] HAGHPANAHAN, Roohollah - NILAVALAN, Rajagopal. Planar quasi-Yagi antenna gain enhancement using zero-index metamaterials. In *2014 Loughborough Antennas and Propagation Conference, LAPC 2014*, 2014-01-01,

pp. 736-739., SCOPUS

[1.2] HANNAM, Kirsty - POWELL, David A. - SHADRIVOV, Ilya V. - KIVSHAR, Yuri S. - KIVSHAR, Yuri S. Broadband chiral metamaterials with large optical activity. In *Physical Review B Condensed Matter and Materials Physics*. ISSN 10980121, 2014-03-10, 89, 12., SCOPUS

[1.2] HASAR, Ugur Cem - BARROSO, Joaquim José - SABAH, Cumali - KAYA, Yunus - ERTUĞRUL, Mehmet. Stepwise technique for accurate and unique retrieval of electromagnetic properties of bianisotropic metamaterials. In *Journal of the Optical Society of America B: Optical Physics*. ISSN 07403224, 2013-04-01, 30, 4, pp. 1058-1068., SCOPUS

[1.2] HASAR, Ugur Cem - HASAR, Ugur Cem - BUTE, Musa - BARROSO, Joaquim J. - SABAH, Cumali - KAYA, Yunus - ERTUGRUL, Mehmet - ERTUGRUL, Mehmet. Power analysis of multilayer structures composed of conventional materials and bi-anisotropic metamaterial slabs. In *Journal of the Optical Society of America B: Optical Physics*. ISSN 07403224, 2014-05-01, 31, 5, pp. 939-947., SCOPUS

[1.2] HASAR, Ugur Cem - HASAR, Ugur Cem - BARROSO, Joaquim José - BUTE, Musa - KAYA, Yunus - KOCADAGISTAN, Mustafa Engin - ERTUGRUL, Mehmet - ERTUGRUL, Mehmet. Attractive method for thickness-independent permittivity measurements of solid dielectric materials. In *Sensors and Actuators, A: Physical*. ISSN 09244247, 2014-02-01, 206, pp. 107-120., SCOPUS

[1.2] HASAR, Ugur Cem - HASAR, Ugur Cem - BARROSO, Joaquim José - KAYA, Yunus - ERTUGRUL, Mehmet - ERTUGRUL, Mehmet - BUTE, Musa - CATALÁ-CIVERA, José M. Two-step numerical procedure for complex permittivity retrieval of dielectric materials from reflection measurements. In *Applied Physics A: Materials Science and Processing*. ISSN 09478396, 2014-01-01, 116, 4, pp. 1701-1710., SCOPUS

[1.2] HASAR, U. C. - HASAR, U. C. - BULDU, G. - BUTE, M. - BARROSO, J. J. - KARACALI, T. - KARACALI, T. - ERTUGRUL, M. - ERTUGRUL, M. Determination of constitutive parameters of homogeneous metamaterial slabs by a novel calibration-independent method. In *AIP Advances*, 2014-10-01, 4, 10, 107116., SCOPUS

[1.2] HASAR, U. C. - HASAR, U. C. - BARROSO, J. J. - KAYA, Y. - BUTE, M. - ERTUGRUL, M. - ERTUGRUL, M. Simple procedure for robust and accurate complex permittivity measurements of low-loss materials over a broad frequency band. In *Journal of Electromagnetic Waves and Applications*. ISSN 09205071, 2014-05-24, 28, 8, pp. 903-915., SCOPUS

[1.2] HERZIG SHEINFUX, Hanan - KAMINER, Ido - PLOTNIK, Yonatan - BARTAL, Guy - SEGEV, Mordechai. Subwavelength multilayer dielectrics: Ultrasensitive transmission and breakdown of effective-medium theory. In *Physical Review Letters*. ISSN 00319007, 2014-12-11, 113, 24, 243901., SCOPUS

[1.2] HOU, Quanwen W. - SU, Yan Y. - ZHAO, Xiaopeng P. A high gain patch antenna based PN zero permeability metamaterial. In *Microwave and Optical Technology Letters*. ISSN 08952477, 2014-05-01, 56, 5, pp. 1065-1069., SCOPUS

[1.2] HU, Fugang - SONG, Jiming - KAMGAING, Telesphor. IE analysis of multilayered doubly periodic array of 3-D general objects using equivalence principle and connection scheme. In *Radio Science*. ISSN 00486604, 2013-05-03,

48, 2, pp. 158-166., SCOPUS

[1.2] CHABALKO, Matthew J. - RICKETTS, David S. Low-frequency metamaterial permeability retrieval for near-field applications. In IEEE Antennas and Propagation Society, AP-S International Symposium (Digest). ISSN 15223965, 2014-01-01, pp. 233-234., SCOPUS

[1.2] CHANG, Chengling - WANG, Weichih - LIN, Hongren - JU HSIEH, Feng - PUN, Yuebun - CHAN, Chihou. Tunable terahertz fishnet metamaterial. In Applied Physics Letters. ISSN 00036951, 2013-04-15, 102, 15, 151903., SCOPUS

[1.2] CHENG, Qiang - TANG, Wenxuan - MA, Huifeng - JIANG, Weixiang - BAO, Di. A metasurface for RCS reduction. In 8th European Conference on Antennas and Propagation, EuCAP 2014, 2014-01-01, pp. 276-277., SCOPUS

[1.2] CHEN, Hongya - WANG, Jiafu - MA, Hua - QU, Shaobo - XU, Zhuo - ZHANG, Anxue - YAN, Mingbao - LI, Yongfeng. Ultra-wideband polarization conversion metasurfaces based on multiple plasmon resonances. In Journal of Applied Physics. ISSN 00218979, 2014-04-21, 115, 15, 154504., SCOPUS

[1.2] CHEN, Chiayun - YANG, Yuhang - YEN, Tajen. Unveiling the electromagnetic responses of fourfold symmetric metamaterials and their terahertz sensing capability. In Applied Physics Express. ISSN 18820778, 2013-02-01, 6, 2, 022002., SCOPUS

[1.2] CHEN, Jie - CHENG, Qiang - ZHAO, Jie - DONG, Di Sha - CUI, Tie Jun. Reduction of Radar Cross Section based on a metasurface. In Progress in Electromagnetics Research. ISSN 10704698, 2014-01-01, 146, pp. 71-76., SCOPUS

[1.2] CHEN, Lei - LEI, Zhenya - YANG, Rui - SHI, Xiaowei - ZHANG, Jiawei. Determining the effective electromagnetic parameters of bianisotropic metamaterials with periodic structures. In Progress In Electromagnetics Research M. ISSN 19378726, 2013-02-18, 29, pp. 79-93., SCOPUS

[1.2] CHEN, Wenchen - LANDY, Nathan I. - KEMPA, Krzysztof - PADILLA, Willie J. A Subwavelength Extraordinary-Optical-Transmission Channel in Babinet Metamaterials. In Advanced Optical Materials, 2013-03-01, 1, 3, pp. 221-226., SCOPUS

[1.2] CHOUDHURY, Balamati - REDDY, Pavani Vijay - BISOYI, Sanjana - JHA, Rakesh Mohan. Soft computing for terahertz metamaterial absorber design for biomedical application. In Computers, Materials and Continua. ISSN 15462218, 2013-12-01, 37, 3, pp. 135-146., SCOPUS

[1.2] JIANG, Weixiang - QIU, Chengwei - HAN, Tiancheng - CHENG, Qiang - MA, Huifeng - ZHANG, Shuang - CUI, Tiejun. Broadband all-dielectric magnifying lens for far-field high-resolution imaging. In Advanced Materials. ISSN 09359648, 2013-12-23, 25, 48, pp. 6963-6968., SCOPUS

[1.2] JIANG, Zhihao - LIN, Lan - BOSSARD, Jeremy A. - WERNER, Douglas H. Bifunctional plasmonic metamaterials enabled by subwavelength nano-notches for broadband, polarization-independent enhanced optical transmission and passive beam-steering. In Optics Express, 2013-12-16, 21, 25, pp. 31492-31505., SCOPUS

[1.2] JIANG, Zhihao - WU, Qi - WERNER, Douglas H. A low-profile high-gain SIW slot antenna using anisotropic zero-index metamaterial coating. In IEEE Antennas and Propagation Society, AP-S International Symposium (Digest). ISSN 15223965, 2013-12-01, pp. 124-125., SCOPUS

[1.2] JIANG, Zhihao - YUN, Seokho - LIN, Lan - BOSSARD, Jeremy A. -

- WERNER, Douglas H. - MAYER, Theresa S. Tailoring dispersion for broadband low-loss optical metamaterials using deep-subwavelength inclusions. In Scientific Reports, 2013-04-09, 3, 1571., SCOPUS
- [1.2] KALLOS, Efthymios - KALLOS, Georgios A. - PALIKARAS, George K. - YANNOPAPAS, Vassilios. Nonlinear optimization technique for the homogenization of metamaterials from scattering parameters. In 2013 7th International Congress on Advanced Electromagnetic Materials in Microwaves and Optics, METAMATERIALS 2013, 2013-01-01, pp. 379-381., SCOPUS
- [1.2] KARAMANOS, Theodosios D. - ASSIMONIS, Stylianos D. - DIMITRIADIS, Alexandros I. - KANTARTZIS, Nikolaos V. Effective parameter extraction of 3D metamaterial arrays via first-principles homogenization theory. In Photonics and Nanostructures Fundamentals and Applications. ISSN 15694410, 2014-01-01, 12, 4, pp. 291-297., SCOPUS
- [1.2] KARAMANOS, Theodosios D. - DIMITRIADIS, Alexandros I. - KANTARTZIS, Nikolaos V. Robust technique for the polarisability matrix retrieval of bianisotropic scatterers via their reflection and transmission coefficients. In IET Microwaves, Antennas and Propagation. ISSN 17518725, 2014-01-01, 8, 15, pp. 1398-1407., SCOPUS
- [1.2] KHAN, Saima I. - DE LA RUE, Richard M. - DRYSDALE, Timothy D. - JOHNSON, Nigel P. Electromagnetic parameter retrieval at oblique incidence. In Proceedings of SPIE The International Society for Optical Engineering. ISSN 0277786X, 2013-07-24, 8771, UNSP 877118., SCOPUS
- [1.2] KHAN, Saima I. - SHARP, Graham J. - DE LA RUE, Richard M. - DRYSDALE, Timothy D. - JOHNSON, Nigel P. Modelling angle resolved complex reflection and transmission coefficients from fishnet structure formed from nanoimprint lithography. In Proceedings of SPIE The International Society for Optical Engineering. ISSN 0277786X, 2014-01-01, 9125, 91251H., SCOPUS
- [1.2] KHODASEVYCH, Iryna E. - KHODASEVYCH, Iryna E. - KOSTOVSKI, Gorgi - ROWE, Wayne S T - MITCHELL, Arnan - MITCHELL, Arnan. Nonlinear microwave metamaterial resonators using gravitational restoring force realized on a microfabricated perforated substrate. In Applied Physics Letters. ISSN 00036951, 2014-11-03, 105, 18, 181908., SCOPUS
- [1.2] KIM, Kyoung Ho - PARK, Q. Han. Effective medium characterization of partially-filled rectangular waveguides. In Journal of the Korean Physical Society. ISSN 03744884, 2014-01-01, 64, 6, pp. 771-774., SCOPUS
- [1.2] KIM, Sung - BAKER-JARVIS, James. An approximate approach to determining the permittivity and permeability near $\lambda=2$ resonances in transmission/reflection measurements. In Progress In Electromagnetics Research B. ISSN 19376472, 2014-01-01, 58, pp. 95-109., SCOPUS
- [1.2] KISHOR, Kamal - BAITHA, Monu Nath - SINHA, R. K. - LAHIRI, Basudev. Tunable negative refractive index metamaterial from V-shaped SRR structure: Fabrication and characterization. In Journal of the Optical Society of America B: Optical Physics. ISSN 07403224, 2014-07-01, 31, 7, pp. 1410-1414., SCOPUS
- [1.2] KRAVETS, V. G. - SCHEDIN, F. - PISANO, G. - THACKRAY, B. - THOMAS, P. A. - GRIGORENKO, A. N. Nanoparticle arrays: From magnetic response to coupled plasmon resonances. In Physical Review B Condensed Matter and Materials Physics. ISSN 10980121, 2014-09-26, 90, 12, 125445., SCOPUS
- [1.2] KUMAR, Amitesh - MAJUMDER, Arijit Basu - DAS, Shantanu N. -

- KAR, Subal. Simulation based characterization of negative permeability plasmonic structures at X band. In Proceedings of 2013 Science and Information Conference, SAI 2013, 2013-12-01, pp. 675-679., SCOPUS
- [1.2] KUSSOW, Adil Gerai - AKYURTLU, Alkim - AIT-EL-AOUD, Yassine - JARADAT, Hamzeh M. Experimental demonstration of negative index of refraction in magnetic semiconductors. In Proceedings of SPIE The International Society for Optical Engineering. ISSN 0277786X, 2014-01-01, 9160, 91601N., SCOPUS
- [1.2] KUŽEL, Petr - NĚMEC, Hynek. Chapter 22: Metamaterials. In Springer Series in Optical Sciences. ISSN 03424111, 2013-12-01, 171, pp. 569-610., SCOPUS
- [1.2] LANNEBÈRE, Sylvain - CAMPIONE, Salvatore - ARADIAN, Ashod - ALBANI, Matteo - CAPOLINO, Filippo. Artificial magnetism at terahertz frequencies in 3D arrays of TiO₂ microspheres including spatial dispersion and magnetoelectric coupling. In IEEE Antennas and Propagation Society, AP-S International Symposium (Digest). ISSN 15223965, 2013-12-01, pp. 1376-1377., SCOPUS
- [1.2] LANNEBÈRE, Sylvain - CAMPIONE, Salvatore - ARADIAN, Ashod - ALBANI, Matteo - CAPOLINO, Filippo. Artificial magnetism at terahertz frequencies from three-dimensional lattices of TiO₂ microspheres accounting for spatial dispersion and magnetoelectric coupling. In Journal of the Optical Society of America B: Optical Physics. ISSN 07403224, 2014-05-01, 31, 5, pp. 1078-1086., SCOPUS
- [1.2] LAPINE, Mikhail - LAPINE, Mikhail - SHADRIVOV, Ilya V. - SHADRIVOV, Ilya V. - KIVSHAR, Yuri S. - KIVSHAR, Yuri S. Colloquium: Nonlinear metamaterials. In Reviews of Modern Physics. ISSN 00346861, 2014-09-12, 86, 3., SCOPUS
- [1.2] LASHAB, Mohamed - EDDINE, Chemss - JAN, Naeem Ahmed - BENABDELAZIZ, F. - ABD-ALHAMEED, R. A. - CHILD, Marl. CPW-Fed antenna based on Metamaterial for Broadband application. In 2014 Loughborough Antennas and Propagation Conference, LAPC 2014, 2014-01-01, pp. 144-147., SCOPUS
- [1.2] LAWRENCE, Felix J. - DE STERKE, Carel Martijn - BOTTEN, Lindsay C. - MCPHEDRAN, Ross C M - DOSSOU, Kokou B. Modeling photonic crystal interfaces and stacks: Impedance-based approaches. In Advances in Optics and Photonics, 2013-01-01, 5, 4, pp. 385-455., SCOPUS
- [1.2] LETIZIA, Rosa. Semiconductor-based THz plasmonic metamaterials. In UCMMT 2013 2013 6th UK, Europe, China Millimeter Waves and THz Technology Workshop, 2013-01-01., SCOPUS
- [1.2] LEUNG, Ho Ming - HAN, Chunrui - LI, Yunhui - CHAN, C. T. - TAM, Wing Yim. Modeling quasi-3D chiral metamaterials fabricated by shadowing vapor deposition. In Journal of Optics (United Kingdom). ISSN 20408978, 2014-01-01, 16, 1., SCOPUS
- [1.2] LIU, Guo - XU, Liang - WU, Zhensen. Dual-band microstrip RFID antenna with tree-like fractal structure. In IEEE Antennas and Wireless Propagation Letters. ISSN 15361225, 2013-08-28, 12, pp. 976-978., SCOPUS
- [1.2] LIU, Guo - XU, Liang - ZENG, Wenbin - WU, Zhensen. A dual-band microstrip RFID antenna using negative permeability fractal metamaterial structure. In Proceedings of 3rd Asia-Pacific Conference on Antennas and Propagation, APCAP 2014, 2014-01-01, pp. 215-217., SCOPUS

- [1.2] LIU, Ruizhi - MENG, Fanyi - FU, Jiahui - YANG, Guohui - ZHANG, Kuang - LI, Sun - WU, Qun. Automatic design and fabrication of broadband circular-polarized gradient index metamaterial lens. In IEEE MTT-S International Microwave Symposium Digest. ISSN 0149645X, 2013-12-01., SCOPUS
- [1.2] LIU, Shiyang - LIN, Zhifang - CHUI, Siutat. Retrieving electromagnetic properties of anisotropic magnetic metamaterials: An effective-medium theory. In Progress in Electromagnetics Research Symposium. ISSN 15599450, 2013-10-04, pp. 1326-1330., SCOPUS
- [1.2] LIU, Xingxiang - ALÙ, Andrea. Generalized retrieval method for metamaterial constitutive parameters based on a physically driven homogenization approach. In Physical Review B Condensed Matter and Materials Physics. ISSN 10980121, 2013-06-26, 87, 23, 235136., SCOPUS
- [1.2] LIU, Xingxiang - MASSEY, Jackson W. - WU, Mingfeng - KIM, Kristopher T. - SHORE, Robert A. - YILMAZ, Ali E. - ALÙ, Andrea. Homogenization of three-dimensional metamaterial objects and validation by a fast surface-integral equation solver. In Optics Express, 2013-09-23, 21, 19, pp. 21714-21727., SCOPUS
- [1.2] LIU, Yang - LIU, Yang - CHENG, Yongzhi - GAO, Yihua - LI, Shujie - FANG, Chonghua. Multi-band terahertz two-handed metamaterial based on the combined ring and cross pairs. In Optik. ISSN 00304026, 2014-01-01, 125, 9, pp. 2129-2133., SCOPUS
- [1.2] LIU, Zhenzhe - WANG, Peng - ZENG, Zhiyi. Enhancement of the gain for microstrip antennas using negative permeability metamaterial on low temperature Co-fired ceramic (LTCC) Substrate. In IEEE Antennas and Wireless Propagation Letters. ISSN 15361225, 2013-04-17, 12, pp. 429-432., SCOPUS
- [1.2] LI, Chun Lai - GUO, Jie - ZHANG, Peng - YU, Quan Qiang - MA, Wei Tao - MIAO, Xi Gen - ZHAO, Zhi Ya - LUAN, Lin. Planar magnetic metamaterial slabs for magnetic resonance imaging applications. In Chinese Physics Letters. ISSN 0256307X, 2014-07-01, 31, 7, 077801., SCOPUS
- [1.2] LI, Jinying - YANG, Rongcao - GUO, Shuqin - TIAN, Jinping - XUE, Wenrui. Design of multi-band negative index metamaterial at the microwave band. In Guangxue Xuebao/Acta Optica Sinica. ISSN 02532239, 2014-01-01, 34., SCOPUS
- [1.2] LI, Meng - AL-JOUMAYLY, Mudar A. - BEHDAD, Nader. Broadband true-time-delay microwave lenses based on miniaturized element frequency selective surfaces. In IEEE Transactions on Antennas and Propagation. ISSN 0018926X, 2013-03-18, 61, 3, pp. 1166-1179., SCOPUS
- [1.2] LI, Meng - BEHDAD, Nader. Wideband true-time-delay microwave lenses based on metallo-dielectric and all-dielectric lowpass frequency selective surfaces. In IEEE Transactions on Antennas and Propagation. ISSN 0018926X, 2013-08-14, 61, 8, pp. 4109-4119., SCOPUS
- [1.2] LI, Xiaohui - ZHANG, Weihong - ZHANG, Fuli - QIU, Kepeng - SUN, Junfeng. S-type metamaterial operating under normal incidence. In Physics Letters, Section A: General, Atomic and Solid State Physics. ISSN 03759601, 2013-05-03, 377, 12, pp. 940-943., SCOPUS
- [1.2] LI, Xue - FENG, Quanyuan - XIANG, Qianyin. A novel via less resonant type antenna based on composite right/left-handed transmission line (CRLH-TL) unit cell with defected ground structure. In Progress in Electromagnetics Research Letters. ISSN 19376480, 2013-03-20, 38, pp. 55-64., SCOPUS

- [1.2] LI, Yan - WU, Ying - MEI, Jun. Double Dirac cones in phononic crystals. In *Applied Physics Letters*. ISSN 00036951, 2014-07-07, 105, 1, 014107., SCOPUS
- [1.2] LI, Yongqian - WANG, Binbin - SU, Lei - ZHU, Zhenyu - ZHOU, Zili. Analytic model of optical constants for infrared absorption material with nanostructure. In *Guangxue Xuebao/Acta Optica Sinica*. ISSN 02532239, 2013-12-01, 33, 12., SCOPUS
- [1.2] LI, Y. H. - ZHANG, L. H. - CHEN, Y. Q. - FENG, T. H. - JIANG, H. T. - CHEN, H. Arbitrary angle waveguide bends based on zero-index metamaterials. In *Applied Physics A: Materials Science and Processing*. ISSN 09478396, 2014-01-01, 117, 3, pp. 1541-1545., SCOPUS
- [1.2] LI, Zhaofeng - MUTLU, Mehmet Mete - ÖZBAY, Ekmel. Chiral metamaterials: From optical activity and negative refractive index to asymmetric transmission. In *Journal of Optics (United Kingdom)*. ISSN 20408978, 2013-02-01, 15, 2, 023001., SCOPUS
- [1.2] LI, Zhongyang - BUTUN, Serkan - AYDIN, Koray. Touching Gold Nanoparticle Chain Based Plasmonic Antenna Arrays and Optical Metamaterials. In *ACS Photonics*, 2014-03-19, 1, 3, pp. 228-234., SCOPUS
- [1.2] LU, Lei - QU, Shaobo - SHI, Hongyu - ZHANG, Anxue - ZHANG, Jieqiu - MA., Hua. A miniaturized low-frequency polarization-insensitive metamaterial absorber based on broadside-coupled spiral structures. In *Wuli Xuebao/Acta Physica Sinica*. ISSN 10003290, 2013-08-05, 62, 15, pp., SCOPUS
- [1.2] LU, Lei - QU, Shaobo - MA., Hua - YU, Fei - XIA, Song - XU-, Zhuo - BAI, Peng. A polarization-independent transmission absorption metamaterial absorber based on electromagnetic resonance. In *Wuli Xuebao/Acta Physica Sinica*. ISSN 10003290, 2013-05-20, 62, 10, 104102., SCOPUS
- [1.2] LU, Lirong - YAMAMOTO, Takashi - OTOMORI, Masaki - YAMADA, Takayuki - IZUI, Kazuhiro - NISHIWAKI, Shinji. Topology optimization of an acoustic metamaterial with negative bulk modulus using local resonance. In *Finite Elements in Analysis and Design*. ISSN 0168874X, 2013-05-20, 72, pp. 1-12., SCOPUS
- [1.2] MA, Hui Feng - TANG, Wen Xuan - CHENG, Qiang - CUI, Tie Jun. A single metamaterial plate as bandpass filter, transparent wall, and polarization converter controlled by polarizations. In *Applied Physics Letters*. ISSN 00036951, 2014-08-25, 105, 8, 081908., SCOPUS
- [1.2] MENG, Lijun - ZHAO, Ding - LI, Qiang - QIU, Min. Polarization-sensitive perfect absorbers at near-infrared wavelengths. In *Optics Express*, 2013-01-14, 21, 1, pp. A111-A222., SCOPUS
- [1.2] MILOSEVIC, V. - JOKANOVIC, B. - BOJANIC, R. Retrieval and validation of the effective constitutive parameters of bianisotropic metamaterials. In *Physica Scripta*. ISSN 02811847, 2014-01-01, T162, 014046., SCOPUS
- [1.2] MILOŠEVIĆ, Vojislav - JOKANOVIĆ, Branka S. - BOJANIĆ, Radovan. Effective electromagnetic parameters of metamaterial transmission line loaded with asymmetric unit cells. In *IEEE Transactions on Microwave Theory and Techniques*. ISSN 00189480, 2013-06-28, 61, 8, pp. 2761-2772., SCOPUS
- [1.2] MOSTAFAZADEH, Ali. A dynamical formulation of one-dimensional scattering theory and its applications in optics. In *Annals of Physics*. ISSN 00034916, 2014-02-01, 341, pp. 77-85., SCOPUS
- [1.2] NAKAMURA, Yoshihiro - SAKAI, Osamu. High-density microwave plasma source using negative-permeability metamaterial with tuned wave

- attenuation. In Japanese Journal of Applied Physics. ISSN 00214922, 2014-01-01, 53, 3 SPEC. ISSUE 2, 03DB04., SCOPUS
- [1.2] NAUMENKO, Gennady A. - POTYLITSYN, Alexander Petrovich - SHEVELEV, I. V. - BLEKO, V. V. - SOBOLEVA, V. V. Vavilov-Cherenkov radiation in meta-materials in millimeter wavelength region. In Proceedings of the International Conference Days on Diffraction 2013, DD 2013, 2013-01-01, pp. 105-109., SCOPUS
- [1.2] NUMAN, Ahmed B. - SHARAWI, Mohammad S. Extraction of material parameters for metamaterials using a full-wave simulator [education column]. In IEEE Antennas and Propagation Magazine. ISSN 10459243, 2013-10-01, 55, 5, pp. 202-211., SCOPUS
- [1.2] OATES, Thomas W H - DASTMALCHI, Babak - HELGERT, Christian - REISSMANN, Lars - HUEBNER, Uwe - KLEY, Ernst Bernhard - VERSCHUUREN, Marc Antonius - BERGMAIR, Iris - PERTSCH, Thomas - HINGERL, Kurt - HINRICHS, Karsten. Optical activity in sub-wavelength metallic grids and fishnet metamaterials in the conical mount. In Optical Materials Express, 2013-04-01, 3, 4, pp. 439-451., SCOPUS
- [1.2] OH, Sangsoon - DEMETRIADOU, Angela - WUESTNER, Sebastian - HESS, Ortwin G. On the origin of chirality in nanoplasmonic gyroid metamaterials. In Advanced Materials. ISSN 09359648, 2013-01-25, 25, 4, pp. 612-617., SCOPUS
- [1.2] OTOMORI, Masaki - LU, Lirong - YAMADA, Takayuki - YAMAMOTO, Takashi - IZUI, Kazuhiro - NISHIWAKI, Shinji. Topology optimization for the design of acoustic metamaterials using level set-based boundary expressions. In Nihon Kikai Gakkai Ronbunshu, C Hen/Transactions of the Japan Society of Mechanical Engineers, Part C. ISSN 03875024, 2013-07-15, 79, 802, pp. 2138-2151., SCOPUS
- [1.2] OUCHETTO, Ouail - OUCHETTO, Hassania - ZOUIDI, Saïd - SEKKAKI, Abderrahim. Homogenization of Maxwell's equations in lossy bi-periodic metamaterials. In IEEE Transactions on Antennas and Propagation. ISSN 0018926X, 2013-08-14, 61, 8, pp. 4214-4219., SCOPUS
- [1.2] PANINA, Larissa - PANINA, Larissa - MAKHNOVSKIY, Dmitriy. Microwave permittivity and permeability of magnetic wire composites. In Physica Status Solidi (A) Applications and Materials Science. ISSN 18626300, 2014-01-01, 211, 5, pp. 1019-1029., SCOPUS
- [1.2] PAN, Bai Cao - LIAO, Zhen - ZHAO, Jie - CUI, Tie Jun. Controlling rejections of spoof surface Plasmon polaritons using metamaterial particles. In Optics Express, 2014-01-01, 22, 11, pp. 13940-13950., SCOPUS
- [1.2] PARK, Myung Soo - PARK, Myung Soo - BHATTARAI, Khagendra - KIM, Deok Kee - KANG, Sang Woo - KIM, Jun Oh - ZHOU, Jiangfeng - JANG, Woo Yong - NOYOLA, Michael - URBAS, Augustine - KU, Zahyun - LEE, Sang Jun. Enhanced transmission due to antireflection coating layer at surface plasmon resonance wavelengths. In Optics Express, 2014-01-01, 22, 24, pp. 30161-30169., SCOPUS
- [1.2] PATEL, Shobhit K. - KOSTA, Yogeshwar Prasad. Square-tooth split ring resonator A novel metamaterial for bandwidth and radiation improvement in microstrip-based radiating structure design. In Journal of Modern Optics. ISSN 09500340, 2013-11-01, 60, 20, pp. 1821-1829., SCOPUS
- [1.2] PAVLOV, Al A. - KLIMOV, Vasily V. - VLADIMIROVA, Yu V. - ZADKOV, Victor N. Analysis of optical properties of planar metamaterials by

- calculating multipole moments of their constituent meta-atoms. In Quantum Electronics. ISSN 10637818, 2013-06-17, 43, 5, pp. 496-501., SCOPUS
- [1.2] PFEIFFER, Carl - GRBIC, Anthony. Millimeter-wave transmitarrays for wavefront and polarization control. In IEEE Transactions on Microwave Theory and Techniques. ISSN 00189480, 2013-12-01, 61, 12, pp. 4407-4417., SCOPUS
- [1.2] PFEIFFER, Carl - GRBIC, Anthony. Analysis and synthesis of bianisotropic metasurfaces. In IEEE Antennas and Propagation Society, AP-S International Symposium (Digest). ISSN 15223965, 2014-01-01, pp. 19-20., SCOPUS
- [1.2] POUTRINA, Ekaterina - ROSE, Alec H. - BROWN, Dean P. - URBAS, Augustine M. - SMITH, David R. Forward and backward unidirectional scattering from plasmonic coupled wires. In Optics Express, 2013-12-16, 21, 25, pp. 31138-31154., SCOPUS
- [1.2] QAMAR, Zeeshan - PARK, Hyun Chang. Compact waveguided metamaterials for suppression of mutual coupling in microstrip array. In Progress in Electromagnetics Research. ISSN 10704698, 2014-01-01, 149, pp. 183-192., SCOPUS
- [1.2] QAMAR, Zeeshan - RIAZ, Laeeq - CHONGCHEAWCHAMNAN, Mitchai - KHAN, Shahid A. - SHAFIQUE, Muhammad Farhan. Slot combined complementary split ring resonators for mutual coupling suppression in microstrip phased arrays. In IET Microwaves, Antennas and Propagation. ISSN 17518725, 2014-01-01, 8, 15, pp. 1261-1267., SCOPUS
- [1.2] QIN, Hongqi - CHEN, Yihang. Polarization-independent terahertz metamaterial with dual-band double-negative character. In European Physical Journal D. ISSN 14346060, 2013-12-01, 67, 11, 236., SCOPUS
- [1.2] QIN, Ling - ZHANG, Kun - PENG, Ruwen - XIONG, Xiang - ZHANG, Wei - HUANG, Xianrong - WANG, Mu. Optical-magnetism-induced transparency in a metamaterial. In Physical Review B Condensed Matter and Materials Physics. ISSN 10980121, 2013-03-22, 87, 12, 125136., SCOPUS
- [1.2] QI, Jiaran - QIU, Jinghui - HAN, Chongzhi. Homogenization models for a simple dielectric-composite slab upon oblique incidence. In International Journal of Antennas and Propagation. ISSN 16875869, 2014-02-04, 2014, 787613., SCOPUS
- [1.2] RAHMAN, Muhammad Mahboob Ur - ASLAM, Muhammad Imran - GÜNEY, Durdu Ö - EVANS, Phillip G. Experimentally feasible green-light negative index metamaterial. In 2013 7th International Congress on Advanced Electromagnetic Materials in Microwaves and Optics, METAMATERIALS 2013, 2013-01-01, pp. 262-264., SCOPUS
- [1.2] RAJAGOPALAN, Ajit - RAMRAKHYANI, Anil Kumar - SCHURIG, David - LAZZI, Gianluca. Improving power transfer efficiency of a short-range telemetry system using compact metamaterials. In IEEE Transactions on Microwave Theory and Techniques. ISSN 00189480, 2014-01-01, 62, 4, pp. 947-955., SCOPUS
- [1.2] RAJESHKUMAR, V. - RAGHAVAN, S. A compact metamaterial inspired triple band antenna for reconfigurable WLAN/WiMAX applications. In AEU International Journal of Electronics and Communications. ISSN 14348411, 2014-01-01, 69, 1, pp. 274-280., SCOPUS
- [1.2] RAMACCIA, Davide - SCATTONE, Francesco - BILOTTI, Filiberto - TOSCANO, Alessandro. Broadband compact horn antennas by using EPS-ENZ

metamaterial lens. In IEEE Transactions on Antennas and Propagation. ISSN 0018926X, 2013-06-12, 61, 6, pp. 2929-2937., SCOPUS

[1.2] RINKEVICH, A. B. - PEROV, D. V. Homogenization of nanostructured media in magnetic field. In Photonics and Nanostructures Fundamentals and Applications. ISSN 15694410, 2014-01-01, 12, 5, pp. 447-459., SCOPUS

[1.2] RIZWAN, Muhammad - JIN, Hai Bo - REHMAN, Fida - HOU, Zhi Ling - KONG, Ling Bao - LI, Jing Bo - BUTT, Faheem K. - DOU, Yan Kun - ALI, Zulfiqar - TAHIR, Muhammad. Numerical study of an a-shape negative refractive index material. In Chinese Journal of Physics. ISSN 05779073, 2014-01-01, 52, 5, pp. 1521-1527., SCOPUS

[1.2] RIZWAN, Muhammad - JIN, Hai Bo - REHMAN, Fida - HOU, Zhi Ling - LI, Jing Bo - BUTT, Faheem K. - ALI, Zulfiqar. Dual-band tunable negative refractive index metamaterial with F-Shape structure. In Central European Journal of Physics. ISSN 18951082, 2014-01-01, 12, 8, pp. 578-581., SCOPUS

[1.2] RIZZA, Carlo - CIATTONI, Alessandro - COLUMBO, Lorenzo L. - BRAMBILLA, Massimo - PRATI, Franco. Terahertz optically tunable dielectric metamaterials without microfabrication. In Optics Letters. ISSN 01469592, 2013-04-15, 38, 8, pp. 1307-1309., SCOPUS

[1.2] RUSSER, Johannes A. - XIONG, Ying - XIONG, Ying - ABDELLAH, Alaa - CULHAOGLU, Ali E. - CHE, Wenquan - LUGLI, Paolo - RUSSER, Peter. Carbon nanotube based millimeterwave fishnet metamaterials. In European Microwave Week 2014: Connecting the Future, EuMW 2014 Conference Proceedings; EuMC 2014: 44th European Microwave Conference, 2014-01-01, pp. 976-979., SCOPUS

[1.2] RUSSER, Johannes A. - XIONG, Ying - XIONG, Ying - ABDELLAH, Alaa - CULHAGLU, Ali E. - CHE, Wenquan - LUGLI, Paolo - RUSSER, Peter. Organic millimeterwave fishnet metamaterial structures. In IEEE MTT-S International Microwave Symposium Digest. ISSN 0149645X, 2014-01-01., SCOPUS

[1.2] SAFIA, Ousama Abu - TALBI, Larbi - HETTAK, Khelifa. A novel artificial magnetic material based on a CPW series-connected resonator and its implementation in original applications. In 2013 7th European Conference on Antennas and Propagation, EuCAP 2013, 2013-08-14, pp. 2756-2760., SCOPUS

[1.2] SARDI, Giovanni Maria - MARTINI, Enrica - MACI, Stefano. Quasi-analytical models for metamaterial homogenization. In 2013 International Symposium on Electromagnetic Theory, EMTS 2013 Proceedings, 2013-09-04, pp. 81-83., SCOPUS

[1.2] SARDI, Giovanni Maria - MARTINI, Enrica - MACI, Stefano. Various types of homogenization for metamaterials. In 2013 7th European Conference on Antennas and Propagation, EuCAP 2013, 2013-08-14, pp. 3691-3692., SCOPUS

[1.2] SATTARI, Hamed - SAHRAI, Mostafa - SAHRAI, Mostafa. Refractive index switching based on loss controlling in a doped metamaterial slab. In Journal of the Optical Society of America B: Optical Physics. ISSN 07403224, 2014-06-01, 31, 6, pp. 1240-1247., SCOPUS

[1.2] SATTARI, H. - SAHRAI, M. - SAHRAI, M. Phase dependent coherent control of group delay in a doped metamaterial slab. In Optics Communications. ISSN 00304018, 2014-07-15, 323, pp. 87-95., SCOPUS

[1.2] SECHRIST, Zachary A. - TONUCCI, Ronald J. - CAMBREA, Lee R.

Stabilization of center frequency nanowell metamaterials for SERS applications. In Applied Physics B: Lasers and Optics. ISSN 09462171, 2013-08-01, 112, 1, pp. 133-142., SCOPUS

[1.2] SHALTOUT, Amr M. - SHALAEV, Vladimir M. - KILDISHEV, Alexander V. Homogenization of bi-anisotropic metasurfaces. In Optics Express, 2013-09-23, 21, 19, pp. 21941-21950., SCOPUS

[1.2] SHEHAN, Joshua W. - COVINGTON, John M C - KSHATRI, Varun S. - WELDON, Thomas P. - ADAMS, Ryan S. Permeability and permittivity extraction issues for non-Foster and active metamaterials. In IEEE Antennas and Propagation Society, AP-S International Symposium (Digest). ISSN 15223965, 2013-12-01, pp. 500-501., SCOPUS

[1.2] SHELTON, David J. Optical properties of metallic films. In Metallic Films for Electronic, Optical and Magnetic Applications: Structure, Processing and Properties, 2013-12-01, pp. 547-589., SCOPUS

[1.2] SHEMELYA, Corey - DEMEO, Dante - LATHAM, Nicole Pfister - WU, Xueyuan - BINGHAM, Chris - PADILLA, Willie - VANDERVELDE, Thomas E. Stable high temperature metamaterial emitters for thermophotovoltaic applications. In Applied Physics Letters. ISSN 00036951, 2014-05-19, 104, 20, 201113., SCOPUS

[1.2] SI, Liming - HOU, Jixuan - LIU, Yong - LÜ, Xin. Extraction of effective constitutive parameters of active terahertz metamaterial with negative differential resistance carbon nanotubes. In Wuli Xuebao/Acta Physica Sinica. ISSN 10003290, 2013-02-05, 62, 3, 037806., SCOPUS

[1.2] SLOVICK, Brian A. - YU, Zhigang - BERDING, Marcy - KRISHNAMURTHY, Srin. Perfect dielectric-metamaterial reflector. In Physical Review B Condensed Matter and Materials Physics. ISSN 10980121, 2013-10-09, 88, 16, 165116., SCOPUS

[1.2] SLOVICK, Brian A. - YU, Zhi Gang - KRISHNAMURTHY, Srin. Generalized effective-medium theory for metamaterials. In Physical Review B Condensed Matter and Materials Physics. ISSN 10980121, 2014-04-14, 89, 15, 155118., SCOPUS

[1.2] SOEMPHOL, C. - SONSILPHONG, A. - WONGKASEM, N. Metamaterials with near-zero refractive index produced using fishnet structures. In Journal of Optics (United Kingdom). ISSN 20408978, 2014-01-01, 16, 1, 015104., SCOPUS

[1.2] SOHEILIFAR, M. R. - SADEGHZADEH, R. A. Design, simulation, and fabrication of an ultrathin planar microwave metamaterial absorber. In Microwave and Optical Technology Letters. ISSN 08952477, 2014-01-01, 56, 12, pp. 2916-2922., SCOPUS

[1.2] SOHEILIFAR, M. R. - SADEGHZADEH, R. A. Design, fabrication and characterization of stacked layers planar broadband metamaterial absorber at microwave frequency. In AEU International Journal of Electronics and Communications. ISSN 14348411, 2014-01-01, 69, 1, pp. 126-132., SCOPUS

[1.2] SONG, Dongmo - TANG, Zhixiang - ZHAO, Lei - SUI, Zhan - WEN, Shuangchun - FAN, Dianyu. Thickness conditions for characterizing the periodic nanostructures with the retrieved electromagnetic parameters. In Journal of the European Optical Society, 2013-04-15, 8, 13028., SCOPUS

[1.2] SONG, Kyungjun - LEE, Seong Hyun - KIM, Kiwon - HUR, Shin - KIM, Jedo. Emission enhancement of sound emitters using an acoustic metamaterial cavity. In Scientific Reports, 2014-03-03, 4, 4165., SCOPUS

- [1.2] SONG, Shichao - CHEN, Qin - JIN, Lin - SUN, Fuhe. Great light absorption enhancement in a graphene photodetector integrated with a metamaterial perfect absorber. In *Nanoscale*. ISSN 20403364, 2013-10-21, 5, 20, pp. 9615-9619., SCOPUS
- [1.2] SONG, Shichao - WEN, Long - CHEN, Qin - CHEN, Qin. Graphene photodetector based on metamaterial perfect absorber. In *Progress in Electromagnetics Research Symposium*. ISSN 15599450, 2014-01-01, pp. 1277-1281., SCOPUS
- [1.2] SUKHORUKOV, Andrey A. - SOLNTSEV, Alexander S. - KRUK, Sergey S. - NESHEV, Dragomir N. - KIVSHAR, Yuri S. Nonlinear coupled-mode theory for periodic plasmonic waveguides and metamaterials with loss and gain. In *Optics Letters*. ISSN 01469592, 2014-02-01, 39, 3, pp. 462-465., SCOPUS
- [1.2] SUKHOV, Sergey V. - HAEFNER, David P. - KAJORNDENKUL, Veerachart - AGARWAL, Girish S. - DOGARIU, Aristide C. Surface-induced optical anisotropy of inhomogeneous media. In *Photonics and Nanostructures Fundamentals and Applications*. ISSN 15694410, 2013-02-01, 11, 1, pp. 65-72., SCOPUS
- [1.2] SUN, Liuyang - QIN, Ling - ZHU, Lihao - FAN, Renhao - LI, De - PENG, Ruwen. Influence of the interlayer on coupling of surface plasmons in a sandwiched structure with periodic array of nanoapertures. In *Journal of Nanoscience and Nanotechnology*. ISSN 15334880, 2013-02-01, 13, 2, pp. 1237-1240., SCOPUS
- [1.2] SUN, Mei - CHEN, Zhining - QING, Xianming. Gain enhancement of 60-GHz antipodal tapered slot antenna using zero-index metamaterial. In *IEEE Transactions on Antennas and Propagation*. ISSN 0018926X, 2013-04-16, 61, 4, pp. 1741-1746., SCOPUS
- [1.2] SYTCHKOVA, Anna Krasilnikova. Complex materials with plasmonic effects for optical thin film applications. In *Optical Thin Films and Coatings: From Materials to Applications*, 2013-08-01, pp. 133-176., SCOPUS
- [1.2] TAKANO, Keisuke - YAKIYAMA, Yuya - SHIBUYA, Kyoji - IZUMI, Keita - MIYAZAKI, Hiroshi - JIMBA, Yoji - MIYAMARU, Fumiaki - KITAHARA, Hideaki - HANGYO, Masanori. Fabrication and performance of TiO₂-ceramic-based metamaterials for terahertz frequency range. In *IEEE Transactions on Terahertz Science and Technology*. ISSN 2156342X, 2013-11-01, 3, 6, pp. 812-819., SCOPUS
- [1.2] TANASKOVIĆ, Dragan - TANASKOVIĆ, Dragan - OBRADOV, Marko - JAKŠIĆ, Olga - JAKŠIĆ, Zoran - JAKŠIĆ, Zoran. A low-loss double-fishnet metamaterial based on transparent conductive oxide. In *Physica Scripta*. ISSN 02811847, 2014-01-01, T162, 014048., SCOPUS
- [1.2] TANG, Jianwei - HE, Sailing. Hybrid metal-dielectric ring resonators for homogenizable optical metamaterials with strong magnetic response at short wavelengths down to the ultraviolet range. In *Optics Express*, 2013-10-07, 21, 20, pp. 23511-23521., SCOPUS
- [1.2] TICHIT, Paul Henri - BUROKUR, Shah Nawaz - BUROKUR, Shah Nawaz - QIU, Cheng Wei - DE LUSTRAC, André - DE LUSTRAC, André. Application of transformation electromagnetics for omnidirectional emission. In *8th European Conference on Antennas and Propagation, EuCAP 2014*, 2014-01-01, pp. 2680-2684., SCOPUS
- [1.2] TSAI, Yuju - LAROUCHE, Stéphane - TYLER, Talmage - LLOPIS,

- Antonio - ROYAL, Matthew White - JOKERST, Nan Marie - SMITH, David R. Arbitrary birefringent metamaterials for holographic optics at $\lambda = 1.55 \mu\text{m}$. In Optics Express, 2013-11-04, 21, 22, pp. 26620-26630., SCOPUS
- [1.2] TSAI, Yuju - TYLER, Talmage - LAROUCHE, Stéphane - LLOPIS, Antonio - ROYAL, Matthew White - JOKERST, Nan Marie - SMITH, David R. Metamaterial polarization multiplexed gratings. In CLEO: QELS_Fundamental Science, CLEO:QELS FS 2013, 2013-11-21, pp. QM4A.1., SCOPUS
- [1.2] ULLAH, Mohammad Habib - ISLAM, Mohammad Tariqul - FARUQUE, Mohammad Rashed Iqbal. A near-zero refractive index meta-surface structure for antenna performance improvement. In Materials, 2013-12-05, 6, 11, pp. 5058-5068., SCOPUS
- [1.2] VAKILI, Iman - GUSTAFSSON, Mats - SJOBERG, Daniel - SEVIOUR, Rebecca - SEVIOUR, Rebecca - NILSSON, Martin - NORDEBO, Sven. Sum Rules for parallel-plate waveguides: Experimental results and theory. In IEEE Transactions on Microwave Theory and Techniques. ISSN 00189480, 2014-11-01, 62, 11, pp. 2574-2582., SCOPUS
- [1.2] VÁZQUEZ-GUARDADO, Abraham - VÁZQUEZ-GUARDADO, Abraham - SAFAEI, Alireza - SAFAEI, Alireza - MODAK, Sushrut - MODAK, Sushrut - FRANKLIN, Daniel - FRANKLIN, Daniel - CHANDA, Debashis - CHANDA, Debashis - CHANDA, Debashis. Hybrid coupling mechanism in a system supporting high order diffraction, plasmonic, and cavity resonances. In Physical Review Letters. ISSN 00319007, 2014-12-29, 113, 26, 263902., SCOPUS
- [1.2] VENKATESH, Suresh - SHREKENHAMER, David B. - XU, Wangren - SONKUSALE, Sameer R. - PADILLA, Willie J. - SCHURIG, David A. Interferometric direction finding with a metamaterial detector. In Applied Physics Letters. ISSN 00036951, 2013-12-16, 103, 25, 254103., SCOPUS
- [1.2] WANG, C. - JIA, Z. Y. - ZHANG, K. - ZHOU, Y. - FAN, R. H. - XIONG, X. - PENG, R. W. Broadband optical scattering in coupled silicon nanocylinders. In Journal of Applied Physics. ISSN 00218979, 2014-06-28, 115, 24, 244312., SCOPUS
- [1.2] WANG, Jian - LU, Wei Bing - LI, Xiao Bing - GU, Xiao Feng - DONG, Zheng Gao. Plasmonic metamaterial based on the complementary split ring resonators using graphene. In Journal of Physics D: Applied Physics. ISSN 00223727, 2014-08-13, 47, 32, 325102., SCOPUS
- [1.2] WANG, Tingting - LUO, Jie - GAO, Lei - XU, Ping - LAI, Yun. Hiding objects and obtaining Fano resonances in index near-zero and epsilon-near-zero metamaterials with Bragg-fiber-like defects. In Journal of the Optical Society of America B: Optical Physics. ISSN 07403224, 2013-07-01, 30, 7, pp. 1878-1884., SCOPUS
- [1.2] WANG, Xu Ai - SHI, Zhi Cheng - CHEN, Min - FAN, Run Hua - YAN, Ke Lan - SUN, Kai - PAN, Shi Bing - YU, Ming Xun. Tunable electromagnetic properties in Co/Al₂O₃ cermets prepared by wet chemical method. In Journal of the American Ceramic Society. ISSN 00027820, 2014-01-01, 97, 10, pp. 3223-3229., SCOPUS
- [1.2] WANG, Xudong - WANG, Xudong - YE, Yong Hong. Negative refraction of a single-layer metamaterial inserted with dual-coaxial waveguides array. In Optics Communications. ISSN 00304018, 2014-04-01, 316, pp. 152-155., SCOPUS
- [1.2] WEN, Yongzheng - MA, Wei - BAILEY, Joe - BAILEY, Joe -

- MATMON, Guy - AEPPLI, Gabriel - AEPPLI, Gabriel - YU, Xiaomei. Absorption modulation of terahertz metamaterial by varying the conductivity of ground plane. In *Applied Physics Letters*. ISSN 00036951, 2014-10-06, 105, 14, 141111., SCOPUS
- [1.2] WILBERT, David Shawn - HOKMABADI, Mohammad Parvinnezhad - KUNG, Patrick - KIM, Seongsin M. Equivalent-circuit interpretation of the polarization insensitive performance of THz metamaterial absorbers. In *IEEE Transactions on Terahertz Science and Technology*. ISSN 2156342X, 2013-11-01, 3, 6, pp. 846-850., SCOPUS
- [1.2] XIAO, Xuyang - CHEN, Runping - CHENG, Zhengfu. The resonant modes in one-dimensional photonic crystal parallel quantum wells composed of negative index materials. In *Applied Mechanics and Materials*. ISSN 16609336, 2013-11-08, 401-403, pp. 748-753., SCOPUS
- [1.2] XIE, Jinjin - FAN, QingYan - XI, Fuchun - XIAO, Hong - TIAN, Ziao - ZHANG, Lijian - XU, Jie - REN, Qijun - ZHOU, Lei - CHU, Paul K. - AN, Zhenghua. Plasmon-Matter Interactions in Optoelectronic Metamaterials with Negative Refractive Index. In *Plasmonics*. ISSN 15571955, 2013-09-01, 8, 3, pp. 1309-1315., SCOPUS
- [1.2] XIONG, Xiang - JIANG, Shangchi - HU, Yuhui - PENG, Ruwen - WANG, Mu. Structured metal film as a perfect absorber. In *Advanced Materials*. ISSN 09359648, 2013-08-07, 25, 29, pp. 3994-4000., SCOPUS
- [1.2] XIONG, Xiaoyan Y Z - JIANG, Li Jun - MARKEL, Vadim A. - TSUKERMAN, Igor A. Surface waves in three-dimensional electromagnetic composites and their effect on homogenization. In *Optics Express*, 2013-05-06, 21, 9, pp. 10412-10421., SCOPUS
- [1.2] XUAN, Yimin - HUANG, Jinguo - LI, Qiang. Tunable negative refractive index metamaterials based on thermochromic oxides. In *Journal of Heat Transfer*. ISSN 00221481, 2013-09-09, 135, 9, pp., SCOPUS
- [1.2] XU, Hanle - ZHU, Xiaoping - ZHOU, Zhou - HU, Chufeng. A metamaterial transmission/reflection method based on bi-directional coupling compensation. In *Dianbo Kexue Xuebao/Chinese Journal of Radio Science*. ISSN 10050388, 2014-01-01, 29, 1, pp. 40-46., SCOPUS
- [1.2] XU, Liang - LIU, Guo - ZHANG, Haiguang - WU, Zhensen. Tree-like metamaterial microstrip antenna for gain enhancement. In *MMWCST 2013 Proceedings of 2013 International Workshop on Microwave and Millimeter Wave Circuits and System Technology*, 2013-01-01, pp. 66-68., SCOPUS
- [1.2] XU, Xinhe - WU, Xia - XIAO, Shaoqiu - GAN, Yuehong - WANG, Bingzhong. Analysis of refractive index characteristics for magnetoelectric metamaterials. In *Wuli Xuebao/Acta Physica Sinica*. ISSN 10003290, 2013-04-20, 62, 8, 084101., SCOPUS
- [1.2] XU, Xinhe - XIAO, Shaoqiu - GAN, Yuehong - WANG, Bingzhong. Theoretical analysis of constitutive parameters for the periodic magnetic resonator metamaterials. In *Wuli Xuebao/Acta Physica Sinica*. ISSN 10003290, 2013-05-20, 62, 10, 104105., SCOPUS
- [1.2] YAHIAOUI, Riad - MOUNAIX, P. - VIGNÉRAS, Valérie - SEU, U. Chan Chung - ELISSALDE, Catherine - MAGLIONE, Mario. All dielectric metamaterials at millimeter wavelengths using single-size TiO₂ resonators: Simulation and experiments. In *European Microwave Week 2013, EuMW 2013 Conference Proceedings; EuMC 2013: 43rd European Microwave Conference*, 2013-12-01, pp. 1159-1162., SCOPUS

- [1.2] YAHIAOUI, R. - CHUNG, U. C. - BUROKUR, S. N. - BUROKUR, S. N. - DE LUSTRAC, A. - DE LUSTRAC, A. - ELISSALDE, C. - MAGLIONE, M. - VIGNERAS, V. - MOUNAIX, P. Broadband effective magnetic response of inorganic dielectric resonator-based metamaterial for microwave applications. In *Applied Physics A: Materials Science and Processing*. ISSN 09478396, 2014-03-01, 114, 3, pp. 997-1002., SCOPUS
- [1.2] YANG, Fan - MEI, Zhong Lei - CUI, Tie Jun. Design and experiment of perfect relay lens based on the Schwarz-Christoffel mapping. In *Applied Physics Letters*. ISSN 00036951, 2014-01-01, 104, 7, 073510., SCOPUS
- [1.2] YANG, Siming - ZHAO, Teng - SONG, Jiming - KAMGAING, Telesphor. Modeling multilayer structure with metal inclusion using effective medium theory. In *IEEE Antennas and Propagation Society, AP-S International Symposium (Digest)*. ISSN 15223965, 2013-12-01, pp. 1532-1533., SCOPUS
- [1.2] YANG, Xinmi - GUO, Huiping - LIU, Xueguan. Circularly polarized microstrip antenna based on waveguided magneto-dielectrics. In *ISAP 2013 Proceedings of the 2013 International Symposium on Antennas and Propagation*, 2013-12-01, 1, pp. 391-394., SCOPUS
- [1.2] YAO, Kan - LIU, Yongmin - LIU, Yongmin. Plasmonic metamaterials. In *Nanotechnology Reviews*. ISSN 21919089, 2014-04-01, 3, 2, pp. 177-210., SCOPUS
- [1.2] YE, Dexin - WANG, Zhiyu - XU, Kuiwen - LI, Huan - HUANGFU, Jiangtao - WANG, Zheng - RAN, Lixin. Ultrawideband dispersion control of a metamaterial surface for perfectly-matched-layer-like absorption. In *Physical Review Letters*. ISSN 00319007, 2013-10-29, 111, 18, 187402., SCOPUS
- [1.2] YUAN, Guishan - YUAN, Guishan - DONG, Xiaochun - DONG, Xiaochun - DENG, Qiling - LIU, Chunheng - LU, Yueguang - SHI, Haofei - DU, Chunlei. A broadband slab lens antenna formed from gradient refractive index metamaterials composed of cross-shaped cells. In *Microwave and Optical Technology Letters*. ISSN 08952477, 2014-05-01, 56, 5, pp. 1124-1129., SCOPUS
- [1.2] YUN, Seokho - NAMIN, Frank A. - WERNER, Douglas H. - MAYER, Theresa S. - BUNGAY, Corey - RIVERO-BALEINE, Clara - ZHANG, L. Demonstration of a nearly ideal wavelength-selective optical mirror using a metamaterial-enabled dielectric coating. In *Applied Physics Letters*. ISSN 00036951, 2013-04-29, 102, 17, 171114., SCOPUS
- [1.2] YU, Fei - QU, Shaobo - WANG, Jiafu - HUANG, Hao - WANG, Jun. The design of band-pass frequency selective surface with all dielectric metamaterial. In *Progress in Electromagnetics Research Symposium*. ISSN 15599450, 2014-01-01, pp. 1878-1880., SCOPUS
- [1.2] YU, Fei - QU, Shaobo - WANG, Jiafu - HUANG, Hao - WANG, Jun. The design of band-pass frequency selective surface with the grid dielectric metamaterial. In *Progress in Electromagnetics Research Symposium*. ISSN 15599450, 2014-01-01, pp. 1881-1884., SCOPUS
- [1.2] YU, Hao - DING, Xumin - WU, Qun - WU, Yuming. Broadband two-dimensional planar luneburg lens composed of gradient index metamaterials. In *IEEE Antennas and Propagation Society, AP-S International Symposium (Digest)*. ISSN 15223965, 2014-01-01, pp. 773-774., SCOPUS
- [1.2] ZARIFI, Davoud - SOLEIMANI, Mohammad Taqi - NAYYERI, Vahid. Parameter retrieval of chiral metamaterials based on the causality principle. In *International Journal of RF and Microwave Computer-Aided*

- Engineering. ISSN 10964290, 2013-09-01, 23, 5, pp. 610-618., SCOPUS
- [1.2] ZARIFI, Davoud - SOLEIMANI, Mohammad Taqi - ABDOLALI, Ali. Parameter retrieval of chiral metamaterials based on the state-space approach. In Physical Review E Statistical, Nonlinear, and Soft Matter Physics. ISSN 15393755, 2013-08-29, 88, 2, 023204., SCOPUS
- [1.2] ZARIFI, Davoud - SOLEIMANI, Mohammad - ABDOLALI, Ali. State-transition-matrix method for inverse scattering in one-dimensional inhomogeneous media. In Physical Review E Statistical, Nonlinear, and Soft Matter Physics. ISSN 15393755, 2014-11-07, 90, 5, 053203., SCOPUS
- [1.2] ZARIFI, Davoud - SOLEIMANI, Mohammad - ABDOLALI, Ali - HOSSEININEJAD, Seyed Ehsan. Parameter reconstruction of materials with off-diagonal anisotropy using the state transition matrix method. In AEU International Journal of Electronics and Communications. ISSN 14348411, 2014-01-01, 68, 9, pp. 877-882., SCOPUS
- [1.2] ZENG, Hongcheng - LUO, Chunrong - CHEN, Huaijun - ZHAI, Shilong - DING, Changlin - ZHAO, Xiaopeng. Flute-model acoustic metamaterials with simultaneously negative bulk modulus and mass density. In Solid State Communications. ISSN 00381098, 2013-10-04, 173, pp. 14-18., SCOPUS
- [1.2] ZHANG, Boyang - GUO, Junpeng. Optical properties of a two-dimensional nanodisk array with super-lattice defects. In Journal of the Optical Society of America B: Optical Physics. ISSN 07403224, 2013-11-01, 30, 11, pp. 3011-3017., SCOPUS
- [1.2] ZHANG, Hai Feng - ZHANG, Hai Feng - ZHANG, Hai Feng - LIU, Shao Bin - LIU, Shao Bin - LI, Hai Ming - LI, Hai Ming. The wavelength division multiplexer realized in three-dimensional unusual surface-plasmon-induced photonic crystals composed of the epsilon-negative materials shells. In Progress in Electromagnetics Research. ISSN 10704698, 2014-01-22, 144, pp. 151-169., SCOPUS
- [1.2] ZHANG, Hongxin - HUANG, Liyu - XU, Yuanyuan. Design and analysis of a X-shaped wideband composite right/left-handed transmission line. In Dianbo Kexue Xuebao/Chinese Journal of Radio Science. ISSN 10050388, 2014-01-01, 29, 3, pp. 480-484., SCOPUS
- [1.2] ZHANG, Chunmin - ZHANG, Chunmin - LI, Gang - LI, Gang - GAO, Peng - GAO, Peng. Study on the resonance properties of combinations of different split ring resonator cells. In Optik. ISSN 00304026, 2014-04-01, 125, 7, pp. 1841-1845., SCOPUS
- [1.2] ZHANG, Kun - WANG, Cheng - QIN, Ling - PENG, Ru Wen - XU, Di Hu - XIONG, Xiang - WANG, Mu. Dual-mode electromagnetically induced transparency and slow light in a terahertz metamaterial. In Optics Letters. ISSN 01469592, 2014-06-15, 39, 12, pp. 3539-3542., SCOPUS
- [1.2] ZHANG, Wangzhou - LI, Zhuying - LIU, Ye. Comparison of two methods of solving electromagnetic parameters of metamaterials with the unit cell of symmetrically arranged SRRs. In Key Engineering Materials. ISSN 10139826, 2013-01-23, 531-532, pp. 351-357., SCOPUS
- [1.2] ZHAO, Ding - GONG, Hanmo - YANG, Yuanqing - LI, Qiang - QIU, Min. Realization of an extraordinary transmission window for a seamless Ag film based on metal-insulator-metal structures. In Applied Physics Letters. ISSN 00036951, 2013-05-20, 102, 20, 201109., SCOPUS
- [1.2] ZHAO, Xiao Lei - YUAN, Cai - YAO, Jian Quan - XU, Shi Lin - LV,

- Wen Hua. The study of the fundamental nature and electromagnetic parameter retrieval of reverse nested Split-ring resonators. In Optoelectronic Devices and Integration, OEDI 2014, 2014-01-01., SCOPUS
- [1.2] ZHAO, Yan - LEELARASMEE, Ekachai. Controlling the resonances of indefinite materials for maximizing efficiency in wireless power transfer. In Microwave and Optical Technology Letters. ISSN 08952477, 2014-04-01, 56, 4, pp. 867-875., SCOPUS
- [1.2] ZHAO, Yan - LEELARASMEE, Ekachai. Controlling the resonances of indefinite materials for maximizing efficiency in wireless power transfer. In 2014 International Electrical Engineering Congress, iEECON 2014, 2014-01-01., SCOPUS
- [1.2] ZHAO, Yan. Evanescent wave amplification and subwavelength imaging by ultrathin uniaxial μ -near-zero material. In AIP Advances, 2014-02-01, 4, 2, 027115., SCOPUS
- [1.2] ZHAO, Yongxiang - ZHAO, Yongxiang - CHEN, Fei - CHEN, Fei - SHEN, Qiang - ZHANG, Lianmeng. Optimizing low loss negative index metamaterial for visible spectrum using differential evolution: Reply. In Optics Express, 2014-02-24, 22, 4, pp. 3775-3776., SCOPUS
- [1.2] ZHONG, Min - ZHONG, Min - YE, Yong Hong. Role of shape of hole in transmission and negative refractive index of sandwiched metamaterials. In Chinese Physics B. ISSN 16741056, 2014-02-01, 23, 2, 024101., SCOPUS
- [1.2] ZHONG, Min - ZHONG, Min. Influence of hole shape on the transmission and negative refractive index properties of metal-dielectric-metal metamaterial. In Hongwai Yu Haomibo Xuebao/Journal of Infrared and Millimeter Waves. ISSN 10019014, 2014-01-01, 33, 3, pp. 227-230., SCOPUS
- [1.2] ZHONG, Min - ZHONG, Min. Influence of dielectric layer on negative refractive index and transmission of metal-dielectric-metal sandwiched metamaterials. In Chinese Optics Letters. ISSN 16717694, 2014-01-01, 12, 4, 041601., SCOPUS
- [1.2] ZHONG, Min. Role of filling medium of holes in the transmission and negative refractive index of metal-dielectric-metal sandwiched metamaterials. In Chinese Optics Letters. ISSN 16717694, 2013-10-01, 11, 10, 101601., SCOPUS
- [1.2] ZHONG, Shuomin - MA, Yungui - HE, Sailing - HE, Sailing. Perfect absorption in ultrathin anisotropic ϵ -near-zero metamaterials. In Applied Physics Letters. ISSN 00036951, 2014-01-01, 105, 2, 023504., SCOPUS
- [1.2] ZHOU, Shi Wei - XIE, Yi Min - LI, Qing - HUANG, Xiao Dong. A design procedure for electric inductive capacitive resonators with negative permittivity. In Applied Mechanics and Materials. ISSN 16609336, 2014-01-01, 448-453, pp. 2199-2202., SCOPUS
- [1.2] ZHU, H. L. - LIU, X. H. - CHEUNG, S. W. - YUK, T. I. Frequency-reconfigurable antenna using metasurface. In IEEE Transactions on Antennas and Propagation. ISSN 0018926X, 2014-01-01, 62, 1, pp. 80-85., SCOPUS
- [1.2] ZHU, Weiren - RUKHLENKO, Ivan Dmitrievich - HUANG, Yongjun - WEN, Guangjun - PREMARTNE, Malin. Wideband giant optical activity and negligible circular dichroism of near-infrared chiral metamaterial based on a complementary twisted configuration. In Journal of Optics (United Kingdom). ISSN 20408978, 2013-12-01, 15, 12, 125101., SCOPUS
- [1.2] ZHU, Weiren - RUKHLENKO, Ivan Dmitrievich - SI, Liming - PREMARTNE, Malin. Graphene-enabled tunability of optical fishnet

metamaterial. In *Applied Physics Letters*. ISSN 00036951, 2013-03-25, 102, 12, 121911., SCOPUS

[1.2] ZHU, Weiren - XIAO, Fajun - KANG, Ming - SIKDAR, Debabrata - PREMARATNE, Malin. Tunable terahertz left-handed metamaterial based on multi-layer graphene-dielectric composite. In *Applied Physics Letters*. ISSN 00036951, 2014-01-01, 104, 5, 051902., SCOPUS

[1.2] ZOGRAFOPOULOS, Dimitrios C. - BECCHERELLI, Romeo. Liquid-crystal tunable fishnet terahertz metamaterials. In 2014 Fotonica AEIT Italian Conference on Photonics Technologies, Fotonica AEIT 2014, 2014-01-01., SCOPUS

ADCA794 SOMMA, R.D. - NAGAJ, Daniel - KIEFEROVÁ, M. Quantum speedup by quantum annealing. In *Physical Review Letters*, 2012, vol. 109, no. 5, 050501. (7.370 - IF2011). (2012 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Ohlasy:

[1.1] HEN, Itay. Continuous-time quantum algorithms for unstructured problems. In *JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL*. ISSN 1751-8113, 2014, vol. 47, no. 4, 045305., WOS

[1.1] CHANDRA, Rishabh - JACOBSON, N. Tobias - MOUSSA, Jonathan E. - FRANKEL, Steven H. - KAIS, Sabre. Quadratic constrained mixed discrete optimization with an adiabatic quantum optimizer. In *PHYSICAL REVIEW A*. ISSN 1050-2947, 2014, vol. 90, no. 1, 012308., WOS

[1.1] PUDENZ, Kristen L. - ALBASH, Tameem - LIDAR, Daniel A. Error-corrected quantum annealing with hundreds of qubits. In *NATURE COMMUNICATIONS*. ISSN 2041-1723, 2014, vol. 5, 3243., WOS

[1.1] RONNOW, Troels F. - WANG, Zhihui - JOB, Joshua - BOIXO, Sergio - ISAKOV, Sergei V. - WECKER, David - MARTINIS, John M. - LIDAR, Daniel A. - TROYER, Matthias. Defining and detecting quantum speedup. In *SCIENCE*. ISSN 0036-8075, 2014, vol. 345, no. 6195, pp. 420., WOS

[1.1] SUN JIE - LU SONG-FENG - LIU FANG - ZHOU QING - ZHANG ZHI-GANG. Adiabatic Deutsch-Jozsa Problem Solved by Modifying the Initial Hamiltonian. In *CHINESE PHYSICS LETTERS*. ISSN 0256-307X, 2014, vol. 31, no. 7, 070304., WOS

[1.1] SUN, Jie - LU, Songfeng - LIU, Fang - GAO, Chao. An alternate quantum adiabatic evolution for the Deutsch-Jozsa problem. In *QUANTUM INFORMATION PROCESSING*. ISSN 1570-0755, 2014, vol. 13, no. 3, pp. 731., WOS

[1.1] ZHANG, Da-Jian - YU, Xiao-Dong - TONG, D. M. Theorem on the existence of a nonzero energy gap in adiabatic quantum computation. In *PHYSICAL REVIEW A*. ISSN 1050-2947, 2014, vol. 90, no. 4, 042321., WOS

ADCA795 SOULIOTIS, G.A. - SHETTY, D.V. - KEKSIS, A. - BELL, E. - JANDEL, M. - VESELSKY, Martin - YENNELLO, S.J. Heavy-residue isoscaling as a probe of the symmetry energy of hot fragments. In *Physical Review C. Nuclear physics*, 2006, vol. 73, no. 2, 024606. (3.610 - IF2005). (2006 - Current Contents, SCOPUS). ISSN 0556-2813.

Ohlasy:

[1.1] MARINI, P. - BONASERA, A. - MCINTOSH, A. - TRIPATHI, R. - GALANOPOULOS, S. - HAGEL, K. - HEILBORN, L. - KOHLEY, Z. - MAY, L. W. - MEHLMAN, M. - SOISSON, S. N. - SOULIOTIS, G. A. - SHETTY, D.

V. - SMITH, W. B. - STEIN, B. C. - WUENSCHER, S. - YENNELLO, S. J. Constraining the symmetry term in the nuclear equation of state at subsaturation densities and finite temperatures. In PHYSICAL REVIEW C. ISSN 0556-2813, 2012, vol. 85, no. 3, 034617., WOS

[1.1] MA, Chun-Wang - PU, Jie - WEI, Hui-Ling - WANG, Shan-Shan - SONG, Heng-Li - ZHANG, Sha - CHEN, Li. Symmetry energy extracted from fragments in relativistic energy heavy-ion collisions induced by Xe-124, Xe-136. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2012, vol. 48, no. 6, 78., WOS

[1.1] ROCA-MAZA, X. - VINAS, X. - CENTELLES, M. - RING, P. - SCHUCK, P. Relativistic mean-field interaction with density-dependent meson-nucleon vertices based on microscopical calculations. In PHYSICAL REVIEW C, 2011, vol.84, no.5, 054309., WOS

[1.1] ZHOU PEI - TIAN WEN-DONG - MA YU-GANG - CAI XIANG-ZHOU - FANG DE-QING - WANG HONG-WEI. The influence of Multi-Step Sequential Decay on Isoscaling and Fragment Isospin Distribution in GEMINI Simulation. In CHINESE PHYSICS LETTERS, 2011, vol.28, no.6, 062101., WOS

ADCA796 SOULIOTIS, G.A. - VESELSKÝ, Martin - SHETTY, D.V. - 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. (4.066 - IF2003). (2004 - Current Contents, WOS, SCOPUS). ISSN 0370-2693.

Ohlasy:

[1.1] BARLINI, S. - PIANTELLI, S. - CASINI, G. - MAURENZIG, P. R. - OLMI, A. - BINI, M. - CARBONI, S. - PASQUALI, G. - POGGI, G. - STEFANINI, A. A. - SCARLINI, E. - BOUGAULT, R. - LOPEZ, O. - LE NEINDRE, N. - PARLOG, M. - VIENT, E. - BONNET, E. - CHBIHI, A. - FRANKLAND, J. D. - GRUYER, D. - RIVET, M. F. - BORDERIE, B. - ROSATO, E. - SPADACCINI, G. - VIGILANTE, M. - BRUNO, M. - MORELLI, L. - CINAUSERO, M. - DEGERLIER, M. - GRAMEGNA, F. - MARCHI, T. - KOZIK, T. - TWAROG, T. - ALBA, R. - MAIOLINO, C. - SANTONOCITO, D. ISOSPIN TRANSPORT IN Kr-84+Sn-112, Sn-124 COLLISIONS AT FERMI ENERGIES WITH THE FAZIA DETECTOR. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2014, vol. 45, no. 2, pp. 425., WOS

[1.1] MARINI, P. - ZARRELLA, A. - BONASERA, A. - BONASERA, G. - CAMMARATA, P. - HEILBORN, L. - KOHLEY, Z. - MABIALA, J. - MAY, L. W. - MCINTOSH, A. B. - RAPHELT, A. - SOULIOTIS, G. A. - YENNELLO, S. J. Experimental determination of the quasi-projectile mass with measured neutrons. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A. ISSN 0168-9002, 2013, vol. 707, pp. 80-88., WOS

ADCA797 SOULIOTIS, G.A. - SHETTY, D.V. - VESELSKÝ, Martin - CHUBARIAN, G. - TRACHE, L. - KEKSIS, A. - MARTIN, E. - YENNELLO, S.J. Isotopic scaling of heavy projectile residues from the collisions of 25 MeV/nucleon ⁸⁶Kr with ¹²⁴Sn, ¹¹²Sn and ⁶⁴Ni, ⁵⁸Ni. In *Physical Review C*, 2003, vol. 68, nO. 2, p. 024605.

Ohlasy:

[1.1] TIAN, W. Isospin and symmetry. In SCIENCE CHINA-PHYSICS

MECHANICS AND ASTRONOMY, 2011, vol. 54, S141., WOS

[1.2] ZHOU, P. - TIAN, W.-D. - MA, Y.-G. - CAI, X.-Z. - FANG, D.-Q. - WANG, H.-W. The influence of multi-step sequential decay on isoscaling and fragment isospin distribution in GEMINI simulation. In Chinese Physics Letters, 2011, vol.28, no.6., SCOPUS

ADCA798 SPASOVA, M. - WIEDWALD, U. - RAMCHAL, R. - FARLE, M. - JERSEL, 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.

Ohlasy:

[1.1] FIGUEROA, A. I. - BARTOLOME, J. - GARCIA, L. M. - BARTOLOME, F. - MAGEN, C. - IBARRA, A. - RUIZ, L. - GONZALEZ-CALBET, J. M. - PETROFF, F. - DERANLOT, C. - PASCARELLI, S. - BENCOK, P. - BROOKES, N. B. - WILHELM, F. - ROGALEV, A. Structural and magnetic properties of amorphous Co-W alloyed nanoparticles. In PHYSICAL REVIEW B, 2011, vol.84, no.18., WOS

[1.1] VLACHOS, A. - PAPPAS, S. D. - KAPAKLIS, V. - KAROUTSOS, V. - KORDATOS, A. - WILHELM, F. - ROGALEV, A. - FUMAGALLI, P. - POULOPOULOS, P. - VELGAKIS, M. J. - POLITIS, C. Magnetic Properties of Textured CoPd Nanocrystalline Thin Films. In JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY. ISSN 1533-4880, 2012, vol. 12, no. 8, pp. 6240., WOS

ADCA799 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.

Ohlasy:

[1.1] SASAKI, Kazuya - SUZUKI, Akihiro - AKASAKA, Naoaki - TERA, Takayuki. Influence of Microstructure on the Thermal Diffusivity of Sintered Porous YSZ. In INTERNATIONAL JOURNAL OF APPLIED CERAMIC TECHNOLOGY, 2011, vol.8, no.2, 455., WOS

ADCA800 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. (6.944 - IF2007). (2008 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Ohlasy:

[1.1] CLAUDIO, Tania - STEIN, Niklas - STROPPA, Daniel G. - KLOBES, Benedikt - KOZA, Michael Marek - KUDEJOVA, Petra - PETERMANN, Nils - WIGGERS, Hartmut - SCHIERNING, Gabi - HERMANN, Raphael P. Nanocrystalline silicon: lattice dynamics and enhanced thermoelectric properties. In PHYSICAL CHEMISTRY CHEMICAL PHYSICS. ISSN 1463-9076, 2014, vol. 16, no. 47, pp. 25701., WOS

[1.1] COUET, S. - PEELAERS, H. - TREKELS, M. - HOUBEN, K. - HU, M. Y. - ZHAO, J. Y. - BI, W. - ALP, E. E. - MENENDEZ, E. - PARTOENS, B. - PEETERS, F. M. - VAN BAELE, M. J. - VANTOMME, A. - TEMST, K. Interplay between lattice dynamics and superconductivity in Nb₃Sn thin films. In PHYSICAL REVIEW B. ISSN 1098-0121, 2013, vol. 88, no. 4, 045437., WOS

- [1.1] CUENYA, B. Roldan - ONO, L. K. - CROY, J. R. - PAREDIS, K. - KARA, A. - HEINRICH, H. - ZHAO, J. - ALP, E. E. - DELARIVA, A. T. - DATYE, A. - STACH, E. A. - KEUNE, W. Size-dependent evolution of the atomic vibrational density of states and thermodynamic properties of isolated Fe nanoparticles. In *PHYSICAL REVIEW B*. ISSN 1098-0121, 2012, vol. 86, no. 16, 165406., WOS
- [1.1] GREWER, Manuel - MARKMANN, Juergen - KAROS, Rudolf - ARNOLD, Walter - BIRRINGER, Rainer. Shear softening of grain boundaries in nanocrystalline Pd. In *ACTA MATERIALIA*, 2011, vol.59, no.4, 1523., WOS
- [1.1] HOCK, C. - SCHMIDT, M. - VON ISSENDORFF, B. Low-temperature caloric behavior of a free sodium nanoparticle. In *PHYSICAL REVIEW B*, 2011, vol.84, no.11, 113401., WOS
- [1.1] CHERNYSHEV, A. P. The Mie-Gruneisen equation of state for metal nanoparticles. In *EUROPEAN PHYSICAL JOURNAL B*, 2011, vol.79, no.3, 321., WOS
- [1.1] SETO, Makoto. Condensed Matter Physics Using Nuclear Resonant Scattering. In *JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN*. ISSN 0031-9015, 2013, vol. 82, no. 2, 021016., WOS
- [1.1] SOPU, D. - KOTAKOSKI, J. - ALBE, K. Finite-size effects in the phonon density of states of nanostructured germanium: A comparative study of nanoparticles, nanocrystals, nanoglasses, and bulk phases. In *PHYSICAL REVIEW B*, 2011, vol.83, no.24, 245416., WOS
- [1.1] XUE, Lin - LIU, Haishun - DOU, Lintao - YANG, Weiming - CHANG, Chuntao - INOUE, Akihisa - WANG, Xinmin - LI, Run-Wei - SHEN, Baolong. Soft magnetic properties and microstructure of Fe₈₄-xNb₂B₁₄C_x nanocrystalline alloys. In *MATERIALS & DESIGN*. ISSN 0261-3069, 2014, vol. 56, pp. 227-231., WOS
- [1.1] YANG, Weiming - LIU, Haishun - DUN, Chaochao - ZHAO, Yucheng - DOU, Linming. Variations of the Effective Magnetostriction with Annealing Conditions for Nanocrystalline Magnetic Alloys. In *JOURNAL OF LOW TEMPERATURE PHYSICS*, 2011, vol.164, no.5-6, 272., WOS
- [1.1] YANG, Weiming - LIU, Haishun - DUN, Chaochao - ZHAO, Yucheng - DOU, Linming - DOU, Lintao. Variations of the permeability with annealing conditions for Fe-based nanocrystalline alloys. In *MATERIALS & DESIGN*. ISSN 0261-3069, 2012, vol. 36, pp. 428., WOS
- [1.1] ZHENG, Zexi - CHEN, Xiang - DENG, Bowen - CHERNATYNSKIY, Aleksandr - YANG, Shengfeng - XIONG, Liming - CHEN, Youping. Phonon thermal transport through tilt grain boundaries in strontium titanate. In *JOURNAL OF APPLIED PHYSICS*. ISSN 0021-8979, 2014, vol. 116, no. 7, 073706., WOS

ADCA801 STANKOV, S. - MIGLIERINI, M. - CHUMAKOV, A.I. - SERGUEEV, I. - YUE, Y.Z. - SEPIOL, B. - ŠVEC, Peter - HU, L. - RUFFER, R. Vibrational thermodynamics of Fe₉₀Zr₇B₃ nanocrystalline alloy from nuclear inelastic scattering. In *Physical Review B*, 2010, vol. 82, 144301. (3.475 - IF2009). (2010 - Current Contents, WOS, SCOPUS). ISSN 1098-0121.

Ohlasy:

- [1.1] BLAGOJEVIC, Vladimir A. - MINIC, Dusan M. - ZAK, Tomas - MINIC, Dragica M. Influence of thermal treatment on structure and microhardness of Fe₇₅Ni₂Si₈B₁₃C₂ amorphous alloy. In *INTERMETALLICS*,

2011, vol.19, no.12, 1780., WOS

[1.1] BLAGOJEVIC, Vladimir A. - VASIC, Milica - DAVID, Bohumil - MINIC, Dusan M. - PIZUROVA, Nadezda - ZAK, Tomas - MINIC, Dragica M. Thermally induced crystallization of Fe_{73.5}Cu₁Nb₃Si_{15.5}B₇ amorphous alloy. In INTERMETALLICS. ISSN 0966-9795, 2014, vol. 45, pp. 53-59., WOS

[1.1] BLAGOJEVIC, Vladimir A. - VASIC, Milica - DAVID, Bohumil - MINIC, Dusan M. - PIZUROVA, Nadezda - ZAK, Tomas - MINIC, Dragica M. Microstructure and functional properties of Fe_{73.5}Cu₁Nb₃Si_{15.5}B₇ amorphous alloy. In MATERIALS CHEMISTRY AND PHYSICS. ISSN 0254-0584, 2014, vol. 145, no. 1-2, pp. 12-17., WOS

[1.1] CLAUDIO, Tania - STEIN, Niklas - STROPPIA, Daniel G. - KLOBES, Benedikt - KOZA, Michael Marek - KUDEJOVA, Petra - PETERMANN, Nils - WIGGERS, Hartmut - SCHIERNING, Gabi - HERMANN, Raphael P. Nanocrystalline silicon: lattice dynamics and enhanced thermoelectric properties. In PHYSICAL CHEMISTRY CHEMICAL PHYSICS. ISSN 1463-9076, 2014, vol. 16, no. 47, pp. 25701., WOS

[1.1] CUENYA, B. Roldan - ONO, L. K. - CROY, J. R. - PAREDIS, K. - KARA, A. - HEINRICH, H. - ZHAO, J. - ALP, E. E. - DELARIVA, A. T. - DATYE, A. - STACH, E. A. - KEUNE, W. Size-dependent evolution of the atomic vibrational density of states and thermodynamic properties of isolated Fe nanoparticles. In PHYSICAL REVIEW B. ISSN 1098-0121, 2012, vol. 86, no. 16, 165406., WOS

[1.1] MINIC, Dragica M. - BLAGOJEVIC, Vladimir A. - MINIC, Dusan M. - GAVRILOVIC, Aleksandra - RAFILOVIC, Lidija - ZAK, Tomas. Influence of Microstructure on Microhardness of Fe₈₁Si₄B₁₃C₂ Amorphous Alloy after Thermal Treatment. In METALLURGICAL AND MATERIALS TRANSACTIONS A-PHYSICAL METALLURGY AND MATERIALS SCIENCE, 2011, vol.42A, no.13, 4106., WOS

[1.1] MINIC, D. M. - BLAGOJEVIC, V. - MINIC, D. G. - GAVRILOVIC, A. - RAFILOVIC, L. Influence of thermally induced structural transformations on hardness in Fe_{89.8}Ni_{1.5}Si_{5.2}B₃C_{0.5} amorphous alloy. In JOURNAL OF ALLOYS AND COMPOUNDS, 2011, vol.509, no.33, 8350., WOS

[1.1] PARSHIN, P. P. - ZEMLYANOV, M. G. - PANOVA, G. Kh. - SHIKOV, A. A. - KUMZEROV, Yu. A. - NABEREZHNOV, A. A. - SERGUEEV, I. - CRICHTON, W. - CHUMAKOV, A. I. - RUEFFER, R. Atomic dynamics of tin nanoparticles embedded into porous glass. In JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS. ISSN 1063-7761, 2012, vol. 114, no. 3, pp. 440., WOS

[1.1] SETO, Makoto. Condensed Matter Physics Using Nuclear Resonant Scattering. In JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN. ISSN 0031-9015, 2013, vol. 82, no. 2, 021016., WOS

[1.1] SMITH, Hillary L. - HORNBUCKLE, B. C. - MAUGER, L. - FU, B. - TRACY, S. J. - THOMPSON, G. B. - LUCAS, M. S. - XIAO, Y. - HU, M. Y. - ZHAO, J. - ALP, E. Ercan - FULTZ, B. Changes in vibrational entropy during the early stages of chemical unmixing in fcc Cu-6% Fe. In ACTA MATERIALIA. ISSN 1359-6454, 2013, vol. 61, no. 19, pp. 7466., WOS

[1.1] SUBBARAMAN, Ram - SANKARANARAYANAN, Subramanian K. R. S. On the correlation between phonon spectra and surface segregation features in Ag-Cu-Ni ternary nanoalloys. In SURFACE SCIENCE, 2011, vol.605, no.15-16, 1595., WOS

ADCA802 STAÑO, Peter - REITZNER, Daniel - HEINOSAARI, T. Coexistence of qubit effects. In *Physical Review A*, 2008, vol. 78, no. 1, 012315. (2.893 - IF2007). (2008 - Current Contents). ISSN 1050-2947.

Ohlasy:

[1.1] KUNJWAL, Ravi - HEUNEN, Chris - FRITZ, Tobias. Quantum realization of arbitrary joint measurability structures. In *PHYSICAL REVIEW A*. ISSN 1050-2947, 2014, vol. 89, no. 5, 052126., WOS

ADCA803 STAÑO, Peter - KLINOVAJA, J. - YACOBY, A. - LOSS, D. Local spin susceptibilities of low-dimensional electron systems. In *Physical Review B*, 2013, vol. 88, 045441. (3.767 - IF2012). (2013 - Current Contents, WOS, SCOPUS). ISSN 1098-0121.

Ohlasy:

[1.1] HATAMI, H. - KERNREITER, T. - ZULICKE, U. Spin susceptibility of two-dimensional transition-metal dichalcogenides. In *PHYSICAL REVIEW B*. ISSN 1098-0121, 2014, vol. 90, no. 4, 045412., WOS

[1.1] LAZIC, Natasa - DAMNJANOVIC, Milan. Spin ordering in RKKY nanowires: Controllable phases in C-13 nanotubes. In *PHYSICAL REVIEW B*. ISSN 1098-0121, 2014, vol. 90, no. 19, 195447., WOS

[1.1] SAMM, J. - GRAMICH, J. - BAUMGARTNER, A. - WEISS, M. - SCHOENENBERGER, C. Optimized fabrication and characterization of carbon nanotube spin valves. In *JOURNAL OF APPLIED PHYSICS*. ISSN 0021-8979, 2014, vol. 115, no. 17, 174309., WOS

ADCA804 STAÑO, Peter - FABIAN, J. - JACQUOD, P. Nonlinear spin to charge conversion in mesoscopic structures. In *Physical Review B*, 2012, vol. 85, no. 24, 241301. (3.691 - IF2011). (2012 - Current Contents, WOS, SCOPUS). ISSN 1098-0121.

Ohlasy:

[1.1] YANG, Zhi-Cheng - SUN, Qing-Feng - XIE, X. C. Spin-current Seebeck effect in quantum dot systems. In *JOURNAL OF PHYSICS-CONDENSED MATTER*. ISSN 0953-8984, 2014, vol. 26, no. 4, 045302., WOS

ADCA805 STAÑO, Peter - FABIAN, J. Orbital and spin relaxation in single and coupled quantum dots. In *Physical Review B*, 2006, vol. 74, no. 4, 045320. (3.185 - IF2005). (2006 - Current Contents, WOS, SCOPUS). ISSN 1098-0121.

Ohlasy:

[1.1] HACHIYA, Marco O. - BURKARD, Guido - CARLOS EGUES, J. Nonmonotonic spin relaxation and decoherence in graphene quantum dots with spin-orbit interactions. In *PHYSICAL REVIEW B*. ISSN 1098-0121, 2014, vol. 89, no. 11, 115427., WOS

[1.1] STAVROU, V. N. - VEROPOULOS, G. P. Significance of an external magnetic field on two-phonon processes in gated lateral semiconductor quantum dots. In *SOLID STATE COMMUNICATIONS*. ISSN 0038-1098, 2014, vol. 191, pp. 10., WOS

ADCA806 STAÑO, Peter - JACQUOD, Ph. Spin-dependent tunneling into an empty lateral quantum dot. In *Physical Review B*, 2010, vol. 82, no. 12, 125309. (3.475 - IF2009). (2010 - Current Contents, WOS, SCOPUS). ISSN 1098-0121.

Ohlasy:

- [1.1] HOUSE, M. G. - XIAO, Ming - GUO, GuoPing - LI, HaiOu - CAO, Gang - ROSENTHAL, M. M. - JIANG, HongWen. Detection and Measurement of Spin-Dependent Dynamics in Random Telegraph Signals. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2013, vol. 111, no. 12, 126803., WOS
- [1.1] KHAETSKII, A. - GOLOVACH, V. N. - HU, X. - ZUTIC, I. Proposal for a Phonon Laser Utilizing Quantum-Dot Spin States. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2013, vol. 111, no. 18, 186601., WOS
- [1.1] RUDNER, M. S. - LEVITOV, L. S. Self-Sustaining Dynamical Nuclear Polarization Oscillations in Quantum Dots. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2013, vol. 110, no. 8, 086601., WOS
- [1.1] YAMAGISHI, M. - WATASE, N. - HASHISAKA, M. - MURAKI, K. - FUJISAWA, T. Spin-dependent tunneling rates for electrostatically defined GaAs quantum dots. In PHYSICAL REVIEW B. ISSN 1098-0121, 2014, vol. 90, no. 3, 035306., WOS
- [1.1] ZIELKE, Robert - MAIER, Franziska - LOSS, Daniel. Anisotropic g factor in InAs self-assembled quantum dots. In PHYSICAL REVIEW B. ISSN 1098-0121, 2014, vol. 89, no. 11, 115438., WOS

ADCA807 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. (3.075 - IF2004). (2005 - Current Contents). ISSN 1098-0121.

Ohlasy:

- [1.1] JING, J.- HUANG, P.- HU, X. In PHYSICAL REVIEW A, 2014, vol. 90, 022118., WOS
- [1.1] KORNICH, V.- KLOEFFEL, Ch.- LOSS, D. In PHYSICAL REVIEW B, 2014, vol. 89, 085410., WOS
- [1.1] KURPAS, M. et al. In ACTA PHYSICA POLONICA A, 2014, vol. 126, A20., WOS
- [1.1] REN, Y.F. et al. In PHYSICA E, 2014, vol. 63, pp. 329., WOS
- [1.1] STAVROU, V.N.- VEROPOULOS, G.P. In SOLID STATE COMMUNICATIONS, 2014, vol. 191, pp. 10., WOS

ADCA808 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. (27.254 - IF2012). (2013 - Current Contents). ISSN 1749-4885.

Ohlasy:

- [1.1] BACHELARD, Nicolas - GIGAN, Sylvain - NOBLIN, Xavier - SEBBAH, Patrick. Adaptive pumping for spectral control of random lasers. In NATURE PHYSICS. ISSN 1745-2473, 2014, vol. 10, no. 6, pp. 426., WOS
- [1.1] ESTERHAZY, S. - LIU, D. - LIERTZER, M. - CERJAN, A. - GE, L. - MAKRIS, K. G. - STONE, A. D. - MELENK, J. M. - JOHNSON, S. G. - ROTTER, S. Scalable numerical approach for the steady-state ab initio laser theory. In PHYSICAL REVIEW A. ISSN 1050-2947, 2014, vol. 90, no. 2, 023816., WOS
- [1.1] HISCH, Thomas - LIERTZER, Matthias - POGANY, Dionyz - MINTERT, Florian - ROTTER, Stefan. Pump-Controlled Directional Light

Emission from Random Lasers. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2013, vol. 111, no. 2, 023902., WOS

[1.1] CHOI, Seung Ho - KIM, Young L. Hybridized/coupled multiple resonances in nacre. In PHYSICAL REVIEW B. ISSN 1098-0121, 2014, vol. 89, no. 3, 035115., WOS

[1.1] LUBATSCH, Andreas - FRANK, Regine. Coherent transport and symmetry breaking-laser dynamics of constrained granular matter. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2014, vol. 16, 083043., WOS

[1.1] LUBATSCH, Andreas - FRANK, Regine - PALASSINI, M. Bi-functional nonlinearities in monodisperse ZnO nano-grains Self-consistent transport and random lasing. In 15TH INTERNATIONAL CONFERENCE ON TRANSPORT IN INTERACTING DISORDERED SYSTEMS (TIDS15). ISSN 0094-243X, 2014, vol. 1610, pp. 147., WOS

[1.1] SMIRNOV, Sergey V. - CHURKIN, Dmitry V. Modeling of spectral and statistical properties of a random distributed feedback fiber laser. In OPTICS EXPRESS. ISSN 1094-4087, 2013, vol. 21, no. 18, pp. 21236., WOS

[1.1] SMIRNOV, Sergey V. - CHURKIN, Dmitry V. - EGGLETON, BJ - GAETA, AL - BRODERICK, NGR - SERGIENKO, AV - RAUSCHENBEUTEL, A - DURT, T. NLSE-based model of a random distributed feedback fiber laser. In NONLINEAR OPTICS AND ITS APPLICATIONS VIII; AND QUANTUM OPTICS III. ISSN 0277-786X, 2014, vol. 9136., WOS

[1.1] SUNADA, Satoshi - FUKUSHIMA, Takehiro - SHINOHARA, Susumu - HARAYAMA, Takahisa - ADACHI, Masaaki. Stable single-wavelength emission from fully chaotic microcavity lasers. In PHYSICAL REVIEW A. ISSN 1050-2947, 2013, vol. 88, no. 1, 013802., WOS

[1.1] TIWARI, Anjani Kumar - ALEE, K. Shadak - UPPU, Ravitej - MUJUMDAR, Sushil. Single-mode, quasi-stable coherent random lasing in an amplifying periodic-on-average random system. In APPLIED PHYSICS LETTERS. ISSN 0003-6951, 2014, vol. 104, no. 13, 131112., WOS

[1.1] UPPU, Ravitej - MUJUMDAR, Sushil. Levy exponents as universal identifiers of threshold and criticality in random lasers. In PHYSICAL REVIEW A. ISSN 1050-2947, 2014, vol. 90, no. 2, 025801., WOS

[1.1] WIERSMA, Diederik S. Disordered photonics. In NATURE PHOTONICS. ISSN 1749-4885, 2013, vol. 7, no. 3, pp. 188., WOS

ADCA809 STAÑO, Peter - FABIAN, J. Theory of phonon-induced spin relaxation in laterally coupled quantum dots. In *Physical Review Letters*, 2006, vol. 96, no. 18, 186602. (7.489 - IF2005). (2006 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Ohlasy:

[1.1] BERMEISTER, Adam - KEITH, Daniel - CULCER, Dimitrie. Charge noise, spin-orbit coupling, and dephasing of single-spin qubits. In APPLIED PHYSICS LETTERS. ISSN 0003-6951, 2014, vol. 105, no. 19, 192102., WOS

[1.1] COLLESS, J. I. - CROOT, X. G. - STACE, T. M. - DOHERTY, A. C. - BARRETT, S. D. - LU, H. - GOSSARD, A. C. - REILLY, D. J. Raman phonon emission in a driven double quantum dot. In NATURE COMMUNICATIONS. ISSN 2041-1723, 2014, vol. 5, 3716., WOS

[1.1] HUANG, Peihao - HU, Xuedong. Electron spin relaxation due to charge noise. In PHYSICAL REVIEW B. ISSN 1098-0121, 2014, vol. 89, no.

19, 195302., WOS

[1.1] HUANG, Peihao - HU, Xuedong. Spin relaxation in a Si quantum dot due to spin-valley mixing. In *PHYSICAL REVIEW B*. ISSN 1098-0121, 2014, vol. 90, no. 23, 235315., WOS

[1.1] CHEN JIAN - XU HUI-ZHE. Directional Plasmon Filtering in a Two-Dimensional Electron Gas Embedded in High-Index Crystallographic Planes. In *CHINESE PHYSICS LETTERS*. ISSN 0256-307X, 2014, vol. 31, no. 3, 037301., WOS

[1.1] CHESI, Stefano - WANG, Ying-Dan - YONEDA, Jun - OTSUKA, Tomohiro - TARUCHA, Seigo - LOSS, Daniel. Single-spin manipulation in a double quantum dot in the field of a micromagnet. In *PHYSICAL REVIEW B*. ISSN 1098-0121, 2014, vol. 90, no. 23, 235311., WOS

[1.1] JING, Jun - HUANG, Peihao - HU, Xuedong. Decoherence of an electrically driven spin qubit. In *PHYSICAL REVIEW A*. ISSN 1050-2947, 2014, vol. 90, no. 2, 022118., WOS

[1.1] KORNICH, Viktoriia - KLOEFFEL, Christoph - LOSS, Daniel. Phonon-mediated decay of singlet-triplet qubits in double quantum dots. In *PHYSICAL REVIEW B*. ISSN 1098-0121, 2014, vol. 89, no. 8, 085410., WOS

[1.1] NOWAK, M. P. - SZAFRAN, B. Spontaneous and resonant lifting of the spin blockade in nanowire quantum dots. In *PHYSICAL REVIEW B*. ISSN 1098-0121, 2014, vol. 89, no. 20, 205412., WOS

ADCA810 STAR, Coll. incl. - FILIP, Peter. Measurement of D^* mesons in jets from p plus p collisions at $\sqrt{s}=200$ GeV. In *Physical Review D : particle and fields*, 2009, vol. 79, no. 11, 112006. (2009 - Current Contents). ISSN 1550-7998.

Ohlasy:

[1.1] GRELLI, Alessandro. Charm content in jets in proton-proton collisions with the ALICE experiment at CERN-LHC. In *JOURNAL OF PHYSICS CONFERENCE SERIES*, 2011, vol.270, 012019., WOS

ADCA811 STAR COLL., incl. - FILIP, Peter. Scaling properties of hyperon production in Au+Au collisions. In *Physical Review Letters*, 2007, vol. 98, no. 6, 062301. (7.072 - IF2006). (2007 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Ohlasy:

[1.1] AL-HARBI, WEDAD. In *ACTA PHYSICA POLONICA B*, 2013, vol. 44, pp. 1905., WOS

[1.1] ANDRONIC, A. In *INTERNATIONAL JOURNAL OF MODERN PHYSICS A*, 2014, vol. 90, 034908., WOS

[1.1] BELIKOV, I. In *JOURNAL OF PHYSICS G*, 2011, vol. 38, 124078., WOS

[1.1] FLORIS, M. In *NUCLEAR PHYSICS A*, 2014, vol. 931, pp. 103., WOS

[1.1] CHATTERJEE, S. - GODBOLE, R. M. - GUPTA, Sourendu. Strange freezeout. In *PHYSICS LETTERS B*. ISSN 0370-2693, 2013, vol. 727, no. 4-5, pp. 554., WOS

[1.1] KHANDAI, P. In *JOURNAL OF PHYSICS G*, 2014, vol. 41, 025105., WOS

[1.1] LIN, Z.-W. In *JOURNAL OF PHYSICS G*, 2011, vol. 38, 075002., WOS

[1.1] PETERSEN, H. In *JOURNAL OF PHYSICS G*, 2011, vol. 38, 045102.,

WOS

[1.1] RYBLEWSKI, Radoslaw. Anisotropic hydrodynamics for ultra-relativistic heavy-ion collisions. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2013, vol. 40, no. 9, 093101.,

WOS

[1.1] SATAROV, L.M. In PHYSICAL REVIEW C, 2013, vol. 024908.,

WOS

[1.1] SCHUCHMANN, S. In JOURNAL OF PHYSICS G, 2011, vol. 38, 124080., WOS

[1.1] WANG, L-L. Emission of eta meson with high transverse momentum in Au-Au, d-Au and p-p collisions at GeV. In INDIAN JOURNAL OF PHYSICS. ISSN 0973-1458, 2013, vol. 87, no. 6, pp. 575., WOS

[1.1] ZHAO, F. In JOURNAL OF PHYSICS CONF. SERIES, 2014, vol. 509, 012085., WOS

[1.1] ZHU, X. In JOURNAL OF PHYSICS CONF. SERIES, 2014, vol. 509, 012004., WOS

[1.1] ZHU, X. In NUCLEAR PHYSICS A, 2014, vol. 931, pp. 1098., WOS

[1.1] ZHU, Y. In NUCLEAR PHYSICS A, 2013, vol. 904, pp. 551C., WOS

ADCA812 STERZEL, R. - DAHLMANN, E. - ASSMUS, W. - SAITOH, K. - FUESS, H. - MIHALKOVIČ, Marek - SUCK, J.B. Preparation of decagonal Zn-Mg-Y by melt spinning. In *Philosophical Magazine Letters : Physics of Condensed Matter*, 2002, vol. 82, p. 235-239. ISSN 0950-0839.

Ohlasy:

[1.1] OERS, Taylan - STEURER, Walter. Synthesis of decagonal Zn-Mg-RE compounds. In PHILOSOPHICAL MAGAZINE, 2011, vol.91, no.19-21, 2466-2473., WOS

ADCA813 STREICHER, B. - HESSBERGER, F.P. - ANTALIC, S. - HOFMANN, S. - ACKERMANN, D. - HEINZ, S. - KINDLER, B. - KHUYAGBAATAR, J. - KOJOUHAROV, I. - KUUSINIEMI, P. - LEINO, M. - LOMMEL, B. - MANN, R. - SARO, S. - SULIGNANO, B. - UUSITALO, J. - VENHART, Martin. Alpha-gamma decay studies of (261)Sg and (257)Rf. In *European Physical Journal A*, 2010, vol. 45, no. 3, p. 275-286. (1.968 - IF2009). (2010 - Current Contents, SCOPUS). ISSN 1434-6001.

Ohlasy:

[1.1] BLOCK, M. Direct mass measurements of the heaviest elements with Penning traps. In INTERNATIONAL JOURNAL OF MASS SPECTROMETRY. ISSN 1387-3806, 2013, vol. 349, pp. 94., WOS

[1.1] BROWNE, E. - TULI, J. K. Nuclear Data Sheets for A=251-259(odd). In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2013, vol. 114, no. 8-9, pp. 1041., WOS

[1.1] RISSANEN, J. - CLARK, R. M. - GREGORICH, K. E. - GATES, J. M. - CAMPBELL, C. M. - CRAWFORD, H. L. - CROMAZ, M. - ESKER, N. E. - FALLON, P. - FORSBERG, U. - GOTHE, O. - LEE, I.Y. - LIU, H. L. - MACHIAVELLI, A. O. - MUDDER, P. - NITSCHKE, H. - PANG, G. - RICE, A. - RUDOLPH, D. - STOYER, M. A. - WIENS, A. - XU, F. R. Decay of the high-K isomeric state to a rotational band in (257)Rf. In PHYSICAL REVIEW C. ISSN 0556-2813, 2013, vol. 88, no. 4, 044313., WOS

ADCA814 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. (3.979 - IF2011). (2012 - Current Contents, WOS, SCOPUS). ISSN 0957-4484.

Ohlasy:

[1.1] BAYKARA, Mehmet Z. - DAGDEVIREN, Omur E. - SCHWENDEMANN, Todd C. - MOENIG, Harry - ALTMAN, Eric I. - SCHWARZ, Udo D. Probing three-dimensional surface force fields with atomic resolution: Measurement strategies, limitations, and artifact reduction. In *BEILSTEIN JOURNAL OF NANOTECHNOLOGY*, 2012, vol.3, p. 637-650., WOS

[1.1] JARVIS, Samuel Paul - KANTOROVICH, Lev - MORIARTY, Philip. Structural development and energy dissipation in simulated silicon apices. In *BEILSTEIN JOURNAL OF NANOTECHNOLOGY*. ISSN 2190-4286, 2013, vol. 4, pp. 941-948., WOS

[1.1] KUHN, Stefan - RAHE, Philipp. Discriminating short-range from van der Waals forces using total force data in noncontact atomic force microscopy. In *PHYSICAL REVIEW B*. ISSN 1098-0121, 2014, vol. 89, no. 23, 235417., WOS

[1.1] MAJZIK, Z. - TCHALALA, M. Rachid - SVEC, M. - HAPALA, P. - ENRIQUEZ, H. - KARA, A. - MAYNE, A. J. - DUJARDIN, G. - JELINEK, P. - OUGHADDOU, H. Combined AFM and STM measurements of a silicene sheet grown on the Ag(111) surface. In *JOURNAL OF PHYSICS-CONDENSED MATTER*. ISSN 0953-8984, 2013, vol. 25, no. 22, 225301., WOS

[1.1] SWEETMAN, Adam - STANNARD, Andrew. Uncertainties in forces extracted from non-contact atomic force microscopy measurements by fitting of long-range background forces. In *BEILSTEIN JOURNAL OF NANOTECHNOLOGY*. ISSN 2190-4286, 2014, vol. 5, pp. 386-393., WOS

ADCA815 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, 044318. (3.308 - IF2011). (2012 - Current Contents, WOS, SCOPUS). ISSN 0556-2813.

Ohlasy:

[1.1] FU, X. M. - XU, F. R. - JIAO, C. F. - LIANG, W. Y. - PEI, J. C. - LIU, H. L. Irregularity in $K-\pi=8(-)$ rotational bands of $N=150$ isotones. In *PHYSICAL REVIEW C*. ISSN 0556-2813, 2014, vol. 89, no. 5, 054301., WOS

[1.1] LIU, H. L. - WALKER, P. M. - XU, F. R. Favored configurations for four-quasiparticle K isomerism in the heaviest nuclei. In *PHYSICAL REVIEW C*. ISSN 0556-2813, 2014, vol. 89, no. 4, 044304., WOS

[1.1] RISSANEN, J. - CLARK, R. M. - GREGORICH, K. E. - GATES, J. M. - CAMPBELL, C. M. - CRAWFORD, H. L. - CROMAZ, M. - ESKER, N. E. - FALLON, P. - FORSBERG, U. - GOTHE, O. - LEE, I.Y. - LIU, H. L. -

MACHIAVELLI, A. O. - MUDDER, P. - NITSCHKE, H. - PANG, G. - RICE, A. - RUDOLPH, D. - STOYER, M. A. - WIENS, A. - XU, F. R. Decay of the high-K isomeric state to a rotational band in (257)Rf. In PHYSICAL REVIEW C. ISSN 0556-2813, 2013, vol. 88, no. 4, 044313., WOS
[1.1] RISSANEN, J. - CLARK, R. M. - MACCHIAVELLI, A. O. - FALLON, P. - CAMPBELL, C. M. - WIENS, A. Effect of the reduced pairing interaction on alpha-decay half-lives of multi-quasiparticle isomeric states. In PHYSICAL REVIEW C. ISSN 0556-2813, 2014, vol. 90, no. 4, 044324., WOS

ADCA816 SUNDERMANN, M. - HARTWICH, J. - ROTT, K. - MEYNER, D. - MAJKOVÁ, Eva - KLEINEBERG, U. - GRUNZE, M. - HEINZMANN, U. Nanopatterning of Au absorber films on MO/Si EUV multilayer mirrors by STM. In *Surface Science*, 2000, vol. 454, no. 1, p. 1104-1109. (2.385 - IF1999).
Ohlasy:
[1.1] DOMNANICH, Patrick - PREININGER, Claudia - KNOLL, W. Nanopatterning for Bioapplications. In HANDBOOK OF BIOFUNCTIONAL SURFACES, 2013, p. 1013-1067., WOS

ADCA817 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. ISSN 1550-7998.
Ohlasy:
[1.1] OLIVE, K. A. et al. Review of Particle Physics. Particle Data Group. In CHINESE PHYSICS C, 2014, vol. 38, no. 9, 090001., WOS
[1.1] WEN S.-ZHANG, Z.-LIU, J. The finite-width Laplace sum rules. In JOURNAL OF PHYSICS G, 2011, vol. 38, no. 1, 015005., WOS

ADCA818 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. (4.922 - IF2009). (2010 - Current Contents). ISSN 1550-7998.
Ohlasy:
[1.1] BEDIAGA, I. - FREDERICO, T. - LOURENCO, O. CP violation and CPT invariance in B[±] decays with final state interactions. In PHYSICAL REVIEW D. ISSN 1550-7998, 2014, vol. 89, no. 9, 094013., WOS

ADCA819 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.
Ohlasy:
[1.1] SHLYAKHTINA, A. V. - SHCHERBAKOVA, L. G. New Solid Electrolytes of the Pyrochlore Family. In RUSSIAN JOURNAL OF ELECTROCHEMISTRY. ISSN 1023-1935, 2012, vol. 48, no. 1, pp. 1-25., WOS

ADCA820 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 0022-4715/00.
Ohlasy:
[1.1] CAN, T. et al. Singular behavior at the edge of Laughlin states. In PHYSICAL REVIEW B, 2014, vol. 89, 235137., WOS

[1.1] TELLEZ, G.- TRIZAC, E. A two-dimensional one component plasma. In JOURNAL OF STATISTICAL PHYSICS, 2012, vol. 146, no. 4, pp. 832-849., WOS

[1.1] TELLEZ, G.-FORRESTER, P.J. Expanded vandermonde powers and sum rules for the two-dimensional one-component plasma. In JOURNAL OF STATISTICAL PHYSICS, 2012, vol. 148, no. 5, pp. 824-855., WOS

ADCA821 ŠAMAJ, Ladislav. A generalization of the Stillingner- Lovett sum rules for two-dimensional jellium. In *Journal of Statistical Physics*, 2007, vol. 128, p. 1415-1428.

Ohlasy:

[1.1] TELLEZ, G. -FORRESTER, P.J. Expanded vandermonde powers. In JOURNAL OF STATISTICAL PHYSICS, 2012, vol. 148, no. 5, pp. 824-855., WOS

ADCA822 ŠAMAJ, Ladislav. Anomalous effects of "quest" charges immersed in electrolyte: Exact 2D results. In *Journal of Statistical Physics*. ISSN 0022-4715/00. *Journal of Statistical Physics*, 2005, vol. 120, no. 1-2, p. 125-146. ISSN 0022-4715.

Ohlasy:

[1.1] FERRERO, A.- TELLEZ, G. Screening of an electrically charged particle in a two-dimensional two-component plasma at $\Gamma=2$. In JOURNAL OF STATISTICAL MECHANICS, 2014, NOV, P11021., WOS

ADCA823 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. (7.622 - IF2010). (2011 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Ohlasy:

[1.1] BAKHSHANDEH, Amin - DOS SANTOS, Alexandre P. - LEVIN, Yan. Weak and Strong Coupling Theories for Polarizable Colloids and Nanoparticles. In PHYSICAL REVIEW LETTERS, 2011, vol.107, no.10, 107801., WOS

[1.1] CARRIVAIN, Pascal - CURNAC, Axel - LAVELLE, Christophe - LESNE, Annick - MOZZICONACCI, Julien - PAILLUSSON, Fabien - SIGNON, Laurence - VICTOR, Jean-Marc - BARBI, Maria. Electrostatics of DNA compaction in viruses, bacteria and eukaryotes: functional insights and evolutionary perspective. In SOFT MATTER. ISSN 1744-683X, 2012, vol. 8, no. 36, pp. 9285., WOS

[1.1] DEMERY, Vincent - DEAN, David S. - PODGORNIK, Rudolf. Electrostatic interactions mediated by polarizable counterions: Weak and strong coupling limits. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2012, vol. 137, no. 17, 174903., WOS

[1.1] FERRERO, Alejandro - TELLEZ, Gabriel. Screening of an electrically charged particle in a two-dimensional two-component plasma at $\Gamma=2$. In JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT. ISSN 1742-5468, 2014, NOV, P11021., WOS

[1.1] FRYDEL, Derek - LEVIN, Yan. The double-layer of penetrable ions: An alternative route to charge reversal. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2013, vol. 138, no. 17, 174901., WOS

[1.1] HANSSON, Per - BYSELL, Helena - MANSSON, Ronja -

MALMSTEN, Martin. Peptide-Microgel Interactions in the Strong Coupling Regime. In JOURNAL OF PHYSICAL CHEMISTRY B. ISSN 1520-6106, 2012, vol. 116, no. 35, pp. 10964., WOS

[1.1] HATLO, Marius M. - BANERJEE, Priyanka - FORSMAN, Jan - LUE, Leo. Density functional theory for Yukawa fluids. In JOURNAL OF

CHEMICAL PHYSICS. ISSN 0021-9606, 2012, vol. 137, no. 6, 064115., WOS

[1.1] CHEPELIANSKII, A. D. - CLOSA, F. - RAPHAEL, E. - TRIZAC, E. Strong screening in the plum pudding model. In EPL, 2011, vol.94, no.6, p. 68010., WOS

[1.1] JOUBAUD, R. - BERNARD, O. - DELVILLE, A. - ERN, A. - ROTENBERG, B. - TURQ, P. Numerical study of density functional theory with mean spherical approximation for ionic condensation in highly charged confined electrolytes. In PHYSICAL REVIEW E. ISSN 1539-3755, 2014, vol. 89, no. 6, 062302., WOS

[1.1] LAANAIT, Nouamane - MIHAYLOV, Miroslav - HOU, Binyang - YU, Hao - VANYSEK, Petr - MERON, Mati - LIN, Binhua - BENJAMIN, Ilan - SCHLOSSMAN, Mark L. Tuning ion correlations at an electrified soft interface. In PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA. ISSN 0027-8424, 2012, vol. 109, no. 50, pp. 20326., WOS

[1.1] LEE, Nam-Kyung - SCHMATKO, Tatiana - MULLER, P. - MAALLOUM, M. - JOHNER, A. Shape of adsorbed supercoiled plasmids: An equilibrium description. In PHYSICAL REVIEW E. ISSN 1539-3755, 2012, vol. 85, no. 5, p051804, WOS

[1.1] NAJI, Ali - KANDUC, Matej - FORSMAN, Jan - PODGORNIK, Rudolf. Perspective: Coulomb fluids-Weak coupling, strong coupling, in between and beyond. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2013, vol. 139, no. 15, UNSP 150901., WOS

[1.1] PAILLUSSON, Fabien - TRIZAC, Emmanuel. Interaction regimes for oppositely charged plates with multivalent counterions. In PHYSICAL REVIEW E, 2011, vol.84, no.1, 011407., WOS

[1.1] PEZESHKIAN, Weria - NIKOOFARD, Narges - NOROUZI, Davood - MOHAMMAD-RAFIEE, Farshid - FAZLI, Hossein. Distribution of counterions and interaction between two similarly charged dielectric slabs: Roles of charge discreteness and dielectric inhomogeneity. In PHYSICAL REVIEW E. ISSN 1539-3755, 2012, vol. 85, no. 6, 061925., WOS

[1.1] ROTENBERG, Benjamin - PAGONABARRAGA, Ignacio. Electrokinetics: insights from simulation on the microscopic scale. In MOLECULAR PHYSICS. ISSN 0026-8976, 2013, vol. 111, no. 7, pp. 827., WOS

[1.1] ZHOU, Shiqi. Novel anomalies for like-charged attraction between curved surfaces and formulation of a hydrogen bonding style mechanism. In AIP ADVANCES. ISSN 2158-3226, 2013, vol. 3, no. 3, 032109., WOS

ADCA824 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, 205131. (3.691 - IF2011). (2012 - Current Contents, WOS, SCOPUS). ISSN 1098-0121.

Ohlasy:

[1.1] ANTLANGER, M. - KAHL, G. Wigner crystals for a planar, equimolar

binary mixture of classical, charged particles. In CONDENSED MATTER PHYSICS. ISSN 1607-324X, 2013, vol. 16, no. 4, 43501., WOS

- ADCA825 ŠAMAJ, Ladislav - JANCOVICI, Bernard. Equilibrium long-ranged charge correlations at the surface of a conductor coupled to electromagnetic radiation. In *Physical Review E*, 2008, vol. 78, 051119. ISSN 1539-3755.

Ohlasy:

- [1.1] BEI, Xiao-Min - LIU, Zhong-Zhu. Quantum radiation in time-dependent dielectric media. In JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS, 2011, vol.44, no.20, 205501., WOS
[1.1] HAAKH, H. R. - HENKEL, C. Magnetic near fields as a probe of charge transport in spatially dispersive conductors. In EUROPEAN PHYSICAL JOURNAL B. ISSN 1434-6028, 2012, vol. 85, no. 1, 46., WOS
[1.1] HOYE, Johan S. Van der Waals interactions: Evaluations by use of a statistical mechanical method. In JOURNAL OF CHEMICAL PHYSICS, 2011, vol.135, no.13., WOS

- ADCA826 ŠAMAJ, Ladislav - TRIZAC, E. Ground state of classical bilayer Wigner crystals. In *Europhysics Letters*, 2012, vol. 98, no. 3, 36004. (2.171 - IF2011). (2012 - Current Contents, SCOPUS). ISSN 0295-5075.

Ohlasy:

- [1.1] ANTLANGER, M. - KAHL, G. Wigner crystals for a planar, equimolar binary mixture of classical, charged particles. In CONDENSED MATTER PHYSICS. ISSN 1607-324X, 2013, vol. 16, no. 4, 43501., WOS
[1.1] VANGAVETI, S. - TRAVESSET, A. General solution to the electric double layer with discrete interfacial charges. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2012, vol. 137, no. 6, 064708., WOS

- ADCA827 ŠAMAJ, Ladislav. Charge and current sum rules in quantum media coupled to radiation. In *Journal of Statistical Physics*, 2009, vol. 137, no. 1, p. 1-17. ISSN 0022-4715/00.

Ohlasy:

- [1.1] DUTTA, Sandipan - DUFTY, James. Uniform electron gas at warm, dense matter conditions. In EPL. ISSN 0295-5075, 2013, vol. 102, no. 6, 67005., WOS

- ADCA828 ŠAMAJ, Ladislav. Inhomogeneous ising-model on the bethe lattice. In *Physica A*, 1988, vol. 153, no. 3, p. 517-529. ISSN 0378-4371.

Ohlasy:

- [1.1] ROZIKOV, Utkir A. GIBBS MEASURES ON CAYLEY TREES: RESULTS AND OPEN PROBLEMS. In REVIEWS IN MATHEMATICAL PHYSICS. ISSN 0129-055X, 2013, vol. 25, no. 1, 1330001., WOS

- ADCA829 ŠAMAJ, Ladislav. Is the two-dimensional one-component plasma exactly solvable ? In *Journal of Statistical Physics*, 2004, vol. 117, p. 131-158.

Ohlasy:

- [1.1] JANSEN, Sabine. Fermionic and bosonic Laughlin state on thick cylinders. In JOURNAL OF MATHEMATICAL PHYSICS. ISSN 0022-2488, 2012, vol. 53, no. 12, 123306., WOS
[1.1] TELLEZ, Gabriel - FORRESTER, Peter J. Expanded Vandermonde

Powers and Sum Rules for the Two-Dimensional One-Component Plasma. In JOURNAL OF STATISTICAL PHYSICS. ISSN 0022-4715, 2012, vol. 148, no. 5, pp. 824., WOS

[1.1] TELLEZ, Gabriel - TRIZAC, Emmanuel. A Two-Dimensional One Component Plasma and a Test Charge: Polarization Effects and Effective Potential. In JOURNAL OF STATISTICAL PHYSICS. ISSN 0022-4715, 2012, vol. 146, no. 4, pp. 832., WOS

ADCA830 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] ROZIKOV, Utkir A. GIBBS MEASURES ON CAYLEY TREES: RESULTS AND OPEN PROBLEMS. In REVIEWS IN MATHEMATICAL PHYSICS. ISSN 0129-055X, 2013, vol. 25, no. 1, 1330001., WOS

ADCA831 ŠAMAJ, Ladislav - KOLESÍK, Miroslav. Self-duality of the $O(2)$ gauge transformation and the phase-structure of vertex model. In *Physica A*, 1993, vol. 193, no. 1, p. 157-168. ISSN 0378-4371.

Ohlasy:

[1.2] ROZIKOV, Utkir A. Gibbs measures on cayley trees: Results and open problems. In Reviews in Mathematical Physics. ISSN 0129055X. 2013, vol. 25, 1, 1330001., SCOPUS

ADCA832 ŠAMAJ, Ladislav - MARKOŠ, Peter. Singular behavior of the free-energy for random ising chains. In *Journal of Physics A: Mathematical and Theoretical*, 1991, vol. 24, no. 6, p. 1319-1333. ISSN 1751-8113.

Ohlasy:

[1.1] TIMONIN, P.D. Smeared spin-flop transition in random antiferromagnetic ising chain. In JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS, 2012, vol. 115, no. 6, pp. 1020-1028., WOS

ADCA833 ŠAMAJ, Ladislav - JANCOVICI, B. Surface tension of a metal-electrolyte boundary: exactly solvable model. In *Journal of Statistical Physics*, 2001, vol. 103, p. 717-735. ISSN 0022-4715/00.

Ohlasy:

[1.1] FERRERO, Alejandro - TELLEZ, Gabriel. Screening of an electrically charged particle in a two-dimensional two-component plasma at $\Gamma=2$. In JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT. ISSN 1742-5468, 2014, NOV, P11021., WOS

ADCA834 ŠAMAJ, Ladislav. Surface tension of an ideal dielectric-electrolyte boundary: exactly solvable model. In *Journal of Statistical Physics*, 2001, vol. 103, p. 737-752. ISSN 0022-4715/00.

Ohlasy:

[1.1] FERRERO, Alejandro - TELLEZ, Gabriel. Screening of an electrically charged particle in a two-dimensional two-component plasma at $\Gamma=2$. In JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT. ISSN 1742-5468, 2014, NOV, P11021., WOS

- ADCA835 ŠAMAJ, Ladislav. The statistical mechanics of the classical two-dimensional Coulomb gas is exactly solved. In *Journal of Physics A*, 2003, vol. 36, p. 5913-5920.
Ohlasy:
[1.1] POLTORATSKI, Alexei. Spectral gaps for sets and measures. In ACTA MATHEMATICA. ISSN 0001-5962, 2012, vol. 208, no. 1, pp. 151., WOS
- ADCA836 ŠAMAJ, Ladislav - KALINAY, Pavol - TRAVĚNEC, Igor. The t-expansion study of critical phenomena in quantum systems. In *Journal of Physics A: Mathematical and Theoretical*, 1997, vol. 30, no. 5, p. 1471-1482. ISSN 1751-8113.
Ohlasy:
[1.1] AMORE, Paolo - FERNANDEZ, Francisco M. - RODRIGUEZ, Martin. High-order connected moments expansion for the Rabi Hamiltonian. In CENTRAL EUROPEAN JOURNAL OF PHYSICS. ISSN 1895-1082, 2012, vol. 10, no. 1, pp. 102., WOS
[1.1] FESSATIDIS, Vassilios - CORVINO, Frank A. - MANCINI, Jay D. - MASSANO, William J. - BOWEN, Samuel P. Ground-state energy of a two level system with phonon coupling. In PHYSICS LETTERS A. ISSN 0375-9601, 2012, vol. 376, no. 4, pp. 573., WOS
- ADCA837 ŠAMAJ, Ladislav - TRAVĚNEC, Igor. Thermodynamic Properties of the Two-Dimensional Plasma. In *Journal of Statistical Physics*, 2000, vol. 101, no. 3-4, p. 713-730. (1.192 - IF1999). ISSN 0022-4715/00.
Ohlasy:
[1.1] FANTONI, R. Two component plasma in a Flamm's paraboloid. In JOURNAL OF STATISTICAL MECHANICS, 2012, P04015., WOS
[1.1] FERRERO, A.- TELLEZ, G. Screening of an electrically charged particle in a two-dimensional two-component plasma at $\Gamma=2$. In JOURNAL OF STATISTICAL MECHANICS, 2014, NOV, P11021., WOS
[1.1] KOOIMAN, M.- HUTTER, M.- GEERS, M.G.D. Collective behaviour of dislocations in a finite medium. In JOURNAL OF STATISTICAL MECHANICS, 2014, APR, P04028., WOS
[1.1] OTSUKA, H. et al. Scaling ansatz for the ac magnetic response in two-dimensional spin ice. In PHYSICAL REVIEW B, 2014, vol. 90, 144428., WOS
- ADCA838 ŠAMAJ, Ladislav - WAGNER, J. - KALINAY, Pavol. Translational 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 0022-4715/00.
Ohlasy:
[1.1] CAN, T. et al. Singular behavior at the edge of Laughlin states. In PHYSICAL REVIEW B, 2014, vol. 89, 235137., WOS
[1.1] GIASSEMIDIS, G.- SZABO, R.J.- TIERZ, M. Supersymmetric gauge theories, Coulomb gases and Chern-Simons matrix models. In PHYSICAL REVIEW D, 2014, vol. 89, 025016., WOS
- ADCA839 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. (2.352 - IF2010). (2011 - Current Contents, WOS, SCOPUS). ISSN 1539-3755.

Ohlasy:

[1.1] CARRIVAIN, Pascal - COURNAC, Axel - LAVELLE, Christophe - LESNE, Annick - MOZZICONACCI, Julien - PAILLUSSON, Fabien - SIGNON, Laurence - VICTOR, Jean-Marc - BARBI, Maria. Electrostatics of DNA compaction in viruses, bacteria and eukaryotes: functional insights and evolutionary perspective. In *SOFT MATTER*. ISSN 1744-683X, 2012, vol. 8, no. 36, pp. 9285., WOS

[1.1] JOUBAUD, R. - BERNARD, O. - DELVILLE, A. - ERN, A. - ROTENBERG, B. - TURQ, P. Numerical study of density functional theory with mean spherical approximation for ionic condensation in highly charged confined electrolytes. In *PHYSICAL REVIEW E*. ISSN 1539-3755, 2014, vol. 89, no. 6, 062302., WOS

[1.1] NAJI, Ali - KANDUC, Matej - FORSMAN, Jan - PODGORNIK, Rudolf. Perspective: Coulomb fluids-Weak coupling, strong coupling, in between and beyond. In *JOURNAL OF CHEMICAL PHYSICS*. ISSN 0021-9606, 2013, vol. 139, no. 15, UNSP 150901., WOS

[1.1] XU, Zhenli - MAGGS, A. C. Solving fluctuation-enhanced Poisson-Boltzmann equations. In *JOURNAL OF COMPUTATIONAL PHYSICS*. ISSN 0021-9991, 2014, vol. 275, pp. 310., WOS

ADCA840 ŠAMAJ, Ladislav - JANCOVICI, B. Wigner-Kirkwood expansion for semi-infinite quantum fluids. In *Journal of Statistical Mechanics*, 2007, no. 2, p02002. ISSN 1742-5468.

Ohlasy:

[1.1] BIROLI, G. - ZAMPONI, F. A Tentative Replica Theory of Glassy Helium 4. In *JOURNAL OF LOW TEMPERATURE PHYSICS*. ISSN 0022-2291, 2012, vol. 168, no. 3-4, pp. 101., WOS

ADCA841 ŠAMAJ, Ladislav - PERCUS, J.K. - KOLESIK, M. 2-dimensional one-component plasma. In *Physical Review E*, 1994, vol. 49, no. 6, p. 5623-5627. (1994 - Current Contents). ISSN 1539-3755.

Ohlasy:

[1.1] TELLEZ, Gabriel - TRIZAC, Emmanuel. A Two-Dimensional One Component Plasma and a Test Charge: Polarization Effects and Effective Potential. In *JOURNAL OF STATISTICAL PHYSICS*. ISSN 0022-4715, 2012, vol. 146, no. 4, pp. 832., WOS

ADCA842 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.

Ohlasy:

[1.1] ALBRECHT, A. - RETZKER, A. - WUNDERLICH, C. - PLENIO, M. B. Enhancement of laser cooling by the use of magnetic gradients. In *NEW JOURNAL OF PHYSICS*, 2011, vol.13, no. 033009., WOS

[1.1] BAIG, M. T. - JOHANNING, M. - WIESE, A. - HEIDBRINK, S. - ZIOLKOWSKI, M. - WUNDERLICH, C. A scalable, fast, and multichannel arbitrary waveform generator. In *REVIEW OF SCIENTIFIC INSTRUMENTS*. ISSN 0034-6748, 2013, vol. 84, no. 12, 124701., WOS

[1.1] BORISENOK, Sergey - ROZHDESTVENSKY, Yuri. Thermodynamical approach to sympathetic cooling of neutral particles. In

JOURNAL OF CHEMICAL PHYSICS, 2011, vol.134, no.4., WOS

[1.1] DONG, Yu-Li - ZHU, Shi-Qun - YOU, Wen-Long. Quantum-state transmission in a cavity array via two-photon exchange. In PHYSICAL REVIEW A. ISSN 1050-2947, 2012, vol. 85, no. 2, 023833., WOS

[1.1] MOYA-CESSA, Hector - SOTO-EGUIBAR, Francisco - VARGAS-MARTINEZ, Jose M. - JUAREZ-AMARO, Raul - ZUNIGA-SEGUNDO, Arturo. Ion-laser interactions: The most complete solution. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, 2012, vol. 513, no. 5, pp. 229., WOS

[1.1] OHNO, Takao - UCHIDA, Kensuke - HAZE, Shinsuke - TOYODA, Kenji - URABE, Shinji. Realization of Fast Rabi Oscillations in Radio Frequency Magnetic Resonance of Ground Zeeman States of Ca-40(+). In JAPANESE JOURNAL OF APPLIED PHYSICS, 2011, vol.50, no.12., WOS

[1.1] RODRIGUEZ-MENDEZ, D. - MOYA-CESSA, H. High NOON states in trapped ions. In PHYSICA SCRIPTA. ISSN 0031-8949, 2012, vol. T147, 014028., WOS

[1.1] WATANABE, T. - NOMURA, S. - TOYODA, K. - URABE, S. Sideband excitation of trapped ions by rapid adiabatic passage for manipulation of motional states. In PHYSICAL REVIEW A, 2011, vol.84, no.3., WOS

[1.1] WINELAND, David J. Nobel Lecture: Superposition, entanglement, and raising Schrodinger's cat. In REVIEWS OF MODERN PHYSICS. ISSN 0034-6861, 2013, vol. 85, no. 3, pp. 1103., WOS

[1.1] WINELAND, David J. Superposition, Entanglement, and Raising Schrodinger's Cat (Nobel Lecture). In ANGEWANDTE CHEMIE-INTERNATIONAL EDITION. ISSN 1433-7851, 2013, vol. 52, no. 39, pp. 10179., WOS

[1.1] WINELAND, David J. Superposition, Entanglement, and Raising Schrodinger's Cat. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2014, vol. 29, no. 10, 1430027., WOS

[1.1] WINELAND, D. J. - LEIBFRIED, D. Quantum information processing and metrology with trapped ions. In LASER PHYSICS LETTERS, 2011, vol.8, no.3, 175., WOS

[1.1] YAN, Leilei - FENG, Mang - WANG, Kelin. Addendum to "Quantum theory of the stability region of an ion in a Paul trap". In PHYSICAL REVIEW A. ISSN 1050-2947, 2014, vol. 89, no. 3, 035401., WOS

[1.1] ZUNIGA-SEGUNDO, A. - JUAREZ-AMARO, R. - VARGAS-MARTINEZ, J. M. - MOYA-CESSA, H. Exact solution of the ion-laser interaction in all regimes. In ANNALEN DER PHYSIK. ISSN 0003-3804, 2012, vol. 524, no. 2, pp. 107., WOS

ADCA843 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. (2.684 - IF2000). ISSN 1050-2947.

Ohlasy:

[1.1] CAO CONG - LIU GANG - ZHANG RU - WANG CHUAN. Implementation of a nonlocal N-qubit conditional phase gate using the nitrogen-vacancy center and microtoroidal resonator coupled systems. In CHINESE PHYSICS B. ISSN 1674-1056, 2014, vol. 23, no. 4, 040304pp., WOS

[1.1] JIANG, Xin-Xin - CUI, Wen-Xue - HU, Shi - AN, Cheng-Shou - WANG, Hong-Fu. A scheme for direct implementation of a two-target qubit

controlled phase gate with quantum dots in coupled photonic crystal cavities without using classical laser pulses. In LASER PHYSICS LETTERS. ISSN 1612-2011, 2014, vol. 11, no. 12, 125202., WOS

[1.1] LIU, Xin - FANG, Guang-Yu - LIAO, Qing-Hong - LIU, Shu-Tian. Fast multiqubit phase gate in circuit QED beyond the rotating-wave approximation. In PHYSICAL REVIEW A. ISSN 1050-2947, 2014, vol. 90, no. 6, 062330., WOS

[1.1] NOH, C. - RODRIGUEZ-LARA, B. M. - ANGELAKIS, D. G. Quantum simulation of neutrino oscillations with trapped ions. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2012, vol. 14, 033028., WOS

[1.1] XU, Peng - WU, Lie - JIANG, Nian-Quan. REALIZATION OF 1>n CONTROLLED PHASE GATE IN CAVITY QED. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION, 2011, vol.9, no.2, 773., WOS

[1.1] YANG, Chui-Ping - SU, Qi-Ping - ZHANG, Feng-Yang - ZHENG, Shi-Biao. Single-step implementation of a multiple-target-qubit controlled phase gate without need of classical pulses. In OPTICS LETTERS. ISSN 0146-9592, 2014, vol. 39, no. 11, pp. 3312., WOS

[1.1] YANG, Chui-Ping. A proposal for implementing an n-qubit controlled-rotation gate with three-level superconducting qubit systems in cavity QED. In JOURNAL OF PHYSICS-CONDENSED MATTER, 2011, vol.23, no.22., WOS

[1.1] ZHANG GANG - ZHOU JIAN - XUE ZHENG-YUAN. Efficient generation of two-dimensional cluster states in a cavity QED. In CHINESE PHYSICS B. ISSN 1674-1056, 2013, vol. 22, no. 4, 04030., WOS

[1.1] ZHANG, Y. Q. - ZHANG, S. - YEON, K. H. - YU, S. C. One-step implementation of a multiqubit controlled-phase gate with superconducting quantum interference devices coupled to a resonator. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS. ISSN 0740-3224, 2012, vol. 29, no. 3, pp. 300., WOS

ADCA844 ŠAUSĀ, Ondrej - ZRUBCOVÁ, J. - BAND, P. - KRIŠTIÁK, Jozef - BARTOŠ, Josef. A study of time dependence of ortho-positronium annihilation in a. In *Radiation Physics and Chemistry*, 2000, vol. 58, p. 479-483. (0.512 - IF1999). ISSN 0969-806X.

Ohlasy:

[1.1] RACKO, D. On the relationship of the relative intensity I-3 and a cavity number as obtained from computer simulations. In MATERIALS SCIENCE FORUM, 2013, vol. 733, pp. 183-189., WOS

ADCA845 ŠAUSĀ, Ondrej - ISKROVA, M. - MAJERNÍK, V. Nanopores in silica aerogels. In *Acta Physica Polonica A*, 2008, vol. 113, no. 5, p. 1517-1522. (0.340 - IF2007). (2008 - Current Contents, WOS, SCOPUS). ISSN 1898-794X.

Ohlasy:

[1.1] AGHION, S. - FERRAGUT, R. - MOIA, F. - PETKOV, M. P. - JONES, S. M. - ALAM, A - COLEMAN, P - DUGDALE, S - ROUSSENOVA, M. Production and thermalization of positronium in homogeneous porous silica. In 16TH INTERNATIONAL CONFERENCE ON POSITRON ANNIHILATION (ICPA-16). ISSN 1742-6588, 2013, vol. 443, 012064., WOS

[1.1] ATTIA, S. M. - SHARSHAR, T. - ABD-ELWAHED, A. R. - TAWFIK, A. Study of transport properties and conduction mechanism of pure

and composite resorcinol formaldehyde aerogel doped with Co-ferrite. In MATERIALS SCIENCE AND ENGINEERING B-ADVANCED FUNCTIONAL SOLID-STATE MATERIALS. ISSN 0921-5107, 2013, vol. 178, no. 14, pp. 897., WOS

[1.1] PUZYNIN, A. I. The application of supercritical drying in the synthesis of silica-based materials. In RUSSIAN JOURNAL OF PHYSICAL CHEMISTRY B. ISSN 1990-7931, 2014, vol. 8, no. 7, pp. 944., WOS

ADCA846 ŠEBO, Pavol - MOSER, Zbigniew - ŠVEC, Peter - JANIČKOVIČ, Dušan - DOBROČKA, Edmund - GASIOR, Wladyslaw - PSTRUŠ, Janus. Effect of indium on the microstructure of the interface between Sn_{3.13}Ag_{0.74}CuIn solder and Cu substrate. In *Journal of Alloys and Compounds*, 2009, vol. 480, no. 2, p. 409-415. (1.510 - IF2008). (2009 - Current Contents, WOS, SCOPUS). ISSN 0925-8388.

Ohlasy:

[1.1] FALLAHI, H. - NURULAKMAL, M.S. - FALLAHI, A. - ABDULLAH, J. In JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS. SEP 2012, vol. 23, no. 9, p. 1739-1749., WOS

[1.1] HODULOVA, E. - PALCUT, M. - LECHOVIC, E. - SIMEKOVA, B. - ULRICH, K. In JOURNAL OF ALLOYS AND COMPOUNDS. JUN 23 2011, vol. 509, no. 25, p. 7052-7059., WOS

[1.1] HONG, E. - KAPLIN, B. - YOU, T. - SUH, M.S. - KIM, Y.S. - CHOE, H. In WEAR. APR 4 2011, vol. 270, no. 9-10, p. 591-597., WOS

[1.1] KIM, Y. - CHOI, H. - LEE, H. - SHIN, D. - MOON, J. - CHOE, H. In JOURNAL OF MATERIALS SCIENCE. NOV 2011, vol. 46, no. 21, p. 6897-6903., WOS

[1.1] LEJUSTE, C. - HODAJ, F. - PETIT, L. Solid state interaction between a Sn-Ag-Cu-In solder alloy and Cu substrate. In INTERMETALLICS. ISSN 0966-9795, MAY 2013, vol. 36, p. 102-108., WOS

[1.1] PIYAVATIN, P. - LOTHONGKUM, G. - LOHWONGWATANA, B. In MATERIALS TESTING. 2012, vol. 54, no. 6, p. 383-389., WOS

ADCA847 ŠEBO, Pavol - ŠVEC, Peter - JANIČKOVIČ, Dušan - ŠTEFÁNIK, Pavol. Influence of thermal cycling on shear strength of Cu-Sn_{3.5}AgIn-Cu joints with various content of indium. In *Journal of Alloys and Compounds*, 2008, vol. 463, p. 168-172. (1.455 - IF2007). (2008 - Current Contents, WOS, SCOPUS). ISSN 0925-8388.

Ohlasy:

[1.1] HODULOVA, E. - SIMEKOVA, B. - KOVARIKOVA, I. - LECHOVIC, E. - ULRICH, K. Research and development of lead-free solder for microelectronics in consideration of the environmental and qualitative aspects. In WELDING IN THE WORLD. ISSN 0043-2288, SEP 2014, vol. 58, no. 5, p. 719-727., WOS

[1.1] LEJUSTE, C. - HODAJ, F. - PETIT, L. Solid state interaction between a Sn-Ag-Cu-In solder alloy and Cu substrate. In INTERMETALLICS. ISSN 0966-9795, MAY 2013, vol. 36, p. 102-108., WOS

[1.1] PIYAVATIN, P. - LOTHONGKUM, G. - LOHWONGWATANA, B. Characterization of Eutectic Sn-Cu Solder Alloy Properties Improved by Additions of Ni, Co and In. In MATERIALS TESTING. ISSN 0025-5300, 2012, vol. 54, no. 6, p. 383-389., WOS

ADCA848 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 - Structural Materials Properties Microstructure and Processing*, 2011, vol. 528, p. 5955-5960. (2.101 - IF2010). (2011 - Current Contents). ISSN 0921-5093.

Ohlasy:

[1.1] KOBAYASHI, Y. - SHIROCHI, T. - YASUDA, Y. - MORITA, T. Metal-metal bonding process using metallic copper nanoparticles prepared in aqueous solution. In *INTERNATIONAL JOURNAL OF ADHESION AND ADHESIVES*. ISSN 0143-7496, MAR 2012, vol. 33, p. 50-55., WOS

ADCA849 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. A 571, p. 184-192. (2.108 - IF2012). (2013 - Current Contents, WOS, SCOPUS). ISSN 0921-5093.

Ohlasy:

[1.1] MYUNG, W.R. - KIM, Y. - JUNG, S.B. Mechanical property of the epoxy-contained Sn-58Bi solder with OSP surface finish. In *JOURNAL OF ALLOYS AND COMPOUNDS*. ISSN 0925-8388, DEC 5 2014, vol. 615, p. S411-S417., WOS

ADCA850 ŠIFFALOVIČ, Peter - MAJKOVÁ, Eva - CHITU, Livia - HALAHOVETS, Yuriy - JERSEL, Matej - SENDERÁK, Rudolf - LUBY, Štefan - WEIS, M. - ŠATKA, A. - SZYMANSKI, B. - STOBIECKI, F. - TIMMANN, A. - ROTHE, S.V. Fabrication and characterization of hybrid tunnel magnetoresistance structures with embedded self-assembled nanoparticle templates. In *Acta Physica Polonica A*, 2009, vol. 115, no. 1, p. 332-335. ISSN 0323-0465.

Ohlasy:

[1.1] WEI, X.-P. Electronic structure of ternary antimonides GdNiSb. In *ACTA PHYSICA POLONICA A*, 2011, vol. 119, no. 3, p. 405-407., WOS

ADCA851 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. (2.256 - IF2001). (2002 - Current Contents). ISSN 0295-5075.

Ohlasy:

[1.1] EICH, S. - STANGE, A. - CARR, A. V. - URBANCIC, J. - POPMINTCHEV, T. - WIESENMEYER, M. - JANSEN, K. - RUFFING, A. - JAKOBS, S. - ROHWER, T. - HELLMANN, S. - CHEN, C. - MATYBA, P. - KIPP, L. - ROSSNAGEL, K. - BAUER, M. - MURNANE, M. M. - KAPTEYN, H. C. - MATHIAS, S. - AESCHLIMANN, M. Time- and angle-resolved photoemission spectroscopy with optimized high-harmonic pulses using frequency-doubled Ti:Sapphire lasers. In *JOURNAL OF ELECTRON SPECTROSCOPY AND RELATED PHENOMENA*. ISSN 0368-2048, 2014, vol. 195, pp. 231., WOS

[1.1] FUKUMOTO, Keiki - ONDA, Ken - YAMADA, Yuki - MATSUKI, Takashi - MUKUTA, Tatsuhiko - TANAKA, Sei-ichi - KOSHIHARA, Shin-ya. Femtosecond time-resolved photoemission electron microscopy for

spatiotemporal imaging of photogenerated carrier dynamics in semiconductors. In REVIEW OF SCIENTIFIC INSTRUMENTS. ISSN 0034-6748, 2014, vol. 85, no. 8, 083705., WOS

[1.1] FUKUMOTO, Keiki - YAMADA, Yuki - ONDA, Ken - KOSHIHARA, Shin-ya. Direct imaging of electron recombination and transport on a semiconductor surface by femtosecond time-resolved photoemission electron microscopy. In APPLIED PHYSICS LETTERS. ISSN 0003-6951, 2014, vol. 104, no. 5, 053117., WOS

[1.1] HELLMANN, S. - SOHRT, C. - BEYE, M. - ROHWER, T. - SORGENFREI, F. - MARCZYNSKI-BUEHLOW, M. - KALLAENE, M. - REDLIN, H. - HENNIES, F. - BAUER, M. - FOEHLISCH, A. - KIPP, L. - WURTH, W. - ROSSNAGEL, K. Time-resolved x-ray photoelectron spectroscopy at FLASH. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2012, vol. 14, 013062., WOS

[1.1] HEYL, C. M. - GUEDDE, J. - L&APOS;HUILIER, A. - HOEFER, U. High-order harmonic generation with μ J laser pulses at high repetition rates. In JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS. ISSN 0953-4075, 2012, vol. 45, no. 7, 074020., WOS

[1.1] ISHIDA, Y. - TOGASHI, T. - YAMAMOTO, K. - TANAKA, M. - KISS, T. - OTSU, T. - KOBAYASHI, Y. - SHIN, S. Time-resolved photoemission apparatus achieving sub-20-meV energy resolution and high stability. In REVIEW OF SCIENTIFIC INSTRUMENTS. ISSN 0034-6748, 2014, vol. 85, no. 12, 123904., WOS

[1.1] NEPPL, Stefan - SHAVORSKIY, Andrey - ZEGKINOGLU, Ioannis - FRAUND, Matthew - SLAUGHTER, Daniel S. - TROY, Tyler - ZIEMKIEWICZ, Michael P. - AHMED, Musahid - GUL, Sheraz - RUDE, Bruce - ZHANG, Jin Z. - TREMSIN, Anton S. - GLANS, Per-Anders - LIU, Yi-Sheng - WU, Cheng Hao - GUO, Jinghua - SALMERON, Miquel - BLUHM, Hendrik - GESSNER, Oliver. Capturing interfacial photoelectrochemical dynamics with picosecond time-resolved X-ray photoelectron spectroscopy. In FARADAY DISCUSSIONS. ISSN 1359-6640, 2014, vol. 171, pp. 219., WOS

[1.1] OGURI, Katsuya - KATO, Keiko - NISHIKAWA, Tadashi - GOTOH, Hideki - TATENO, Kouta - SOGAWA, Tetsuomi - NAKANO, Hidetoshi. Time-Resolved Surface Photoelectron Spectroscopy of Photoexcited Electron and Hole Dynamics on GaAs Using 92 eV Laser Harmonic Source. In JAPANESE JOURNAL OF APPLIED PHYSICS. ISSN 0021-4922, 2012, vol. 51, no. 7, 072401., WOS

[1.1] OLOFF, L-P - OURA, M. - ROSSNAGEL, K. - CHAINANI, A. - MATSUNAMI, M. - EGUCHI, R. - KISS, T. - NAKATANI, Y. - YAMAGUCHI, T. - MIYAWAKI, J. - TAGUCHI, M. - YAMAGAMI, K. - TOGASHI, T. - KATAYAMA, T. - OGAWA, K. - YABASHI, M. - ISHIKAWA, T. Time-resolved HAXPES at SACLA: probe and pump pulse-induced space-charge effects. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2014, vol. 16, 123045., WOS

[1.1] OURA, Masaki - WAGAI, Tatsuya - CHAINANI, Ashish - MIYAWAKI, Jun - SATO, Hiromi - MATSUNAMI, Masaharu - EGUCHI, Ritsuko - KISS, Takayuki - YAMAGUCHI, Takashi - NAKATANI, Yasuhiro - TOGASHI, Tadashi - KATAYAMA, Tetsuo - OGAWA, Kanade - YABASHI, Makina - TANAKA, Yoshihito - KOHMURA, Yoshiki - TAMASAKU, Kenji - SHIN, Shik - ISHIKAWA, Tetsuya. Development of a single-shot CCD-based

data acquisition system for time-resolved X-ray photoelectron spectroscopy at an X-ray free-electron laser facility. In JOURNAL OF SYNCHROTRON RADIATION. ISSN 0909-0495, 2014, vol. 21, pp. 183., WOS

[1.1] SEZEN, Hikmet - SUZER, Sefik. Communication: Enhancement of dopant dependent x-ray photoelectron spectroscopy peak shifts of Si by surface photovoltage. In JOURNAL OF CHEMICAL PHYSICS, 2011, vol.135, no.14., WOS

[1.1] SHAVORSKIY, Andrey - NEPPL, Stefan - SLAUGHTER, Daniel S. - CRYAN, James P. - SIEFERMANN, Katrin R. - WEISE, Fabian - LIN, Ming-Fu - BACELLAR, Camila - ZIEMKIEWICZ, Michael P. - ZEGKINOLOU, Ioannis - FRAUND, Matthew W. - KHURMI, Champak - HERTLEIN, Marcus P. - WRIGHT, Travis W. - HUSE, Nils - SCHOENLEIN, Robert W. - TYLISZCZAK, Tolek - COSLOVICH, Giacomo - ROBINSON, Joseph - KAINDL, Robert A. - RUDE, Bruce S. - OELSNER, Andreas - MAEHL, Sven - BLUHM, Hendrik - GESSNER, Oliver. Sub-nanosecond time-resolved ambient-pressure X-ray photoelectron spectroscopy setup for pulsed and constant wave X-ray light sources. In REVIEW OF SCIENTIFIC INSTRUMENTS. ISSN 0034-6748, 2014, vol. 85, no. 9, 093102., WOS

[1.1] TANAKA, Shin-ichiro. Utility and constraint on the use of pump-probe photoelectron spectroscopy for detecting time-resolved surface photovoltage. In JOURNAL OF ELECTRON SPECTROSCOPY AND RELATED PHENOMENA. ISSN 0368-2048, 2012, vol. 185, no. 5-7, pp. 152., WOS

[1.1] WERNET, Philippe - GAUDIN, Jerome - GODEHUSEN, Kai - SCHWARZKOPF, Olaf - EBERHARDT, Wolfgang. Femtosecond time-resolved photoelectron spectroscopy with a vacuum-ultraviolet photon source based on laser high-order harmonic generation. In REVIEW OF SCIENTIFIC INSTRUMENTS, 2011, vol.82, no.6., WOS

[1.1] YANG, S.L. - SOBOTA, J. A. - KIRCHMANN, P. S. - SHEN, Z.X. Electron propagation from a photo-excited surface: implications for time-resolved photoemission. In APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING. ISSN 0947-8396, 2014, vol. 116, no. 1, pp. 85., WOS

ADCA852 ŠIFFALOVIČ, Peter - MAJKOVÁ, Eva - CHITU, Livia - JERSEL, 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, p. 19-25. (1.114 - IF2008). (2009 - Current Contents). ISSN 0042-207X.

Ohlasy:

[1.1] HAASE, Anton - SOLTWISCH, Victor - LAUBIS, Christian - SCHOLZE, Frank. Role of dynamic effects in the characterization of multilayers by means of power spectral density. In APPLIED OPTICS. ISSN 1559-128X, 2014, vol. 53, no. 14, pp. 3019., WOS

[1.1] VAN DEN BOOGAARD, A. J. R. - ZOETHOUT, E. - MAKHOTKIN, I. A. - LOUIS, E. - BIJKERK, F. Influence of noble gas ion polishing species on extreme ultraviolet mirrors. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2012, vol. 112, no. 12, 123502., WOS

[1.1] WERNECKE, Jan - SCHOLZE, Frank - KRUMREY, Michael. Direct structural characterisation of line gratings with grazing incidence small-angle

x-ray scattering. In REVIEW OF SCIENTIFIC INSTRUMENTS. ISSN 0034-6748, 2012, vol. 83, no. 10, 103906., WOS

[1.2] LI, Haochuan - ZHU, Jingtao - WANG, Zhanshan - CHEN, Hong - WANG, Yuzhu - WANG, Jie. Integration method for directly analyzing interface statistics of periodic multilayers from X-ray scattering. In Journal of Synchrotron Radiation. ISSN 09090495, 2014-01-01, 21, 1, pp. 97-103., SCOPUS

ADCA853 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. (3.018 - IF2009). (2010 - Current Contents, WOS, SCOPUS). ISSN 0021-8898.

Ohlasy:

[1.1] KOPYLETS, I. A. - KONDRATENKO, V. V. - ZUBAREV, E. N. - ROSHCHUPKIN, D. V. Formation of short-period multilayer W/B4C compositions. In TECHNICAL PHYSICS. ISSN 1063-7842, 2012, vol. 57, no. 12, pp. 1709., WOS

[1.1] LI, Haochuan - ZHU, Jingtao - WANG, Zhanshan - CHEN, Hong - WANG, Yuzhu - WANG, Jie. Integration method for directly analyzing interface statistics of periodic multilayers from X-ray scattering. In JOURNAL OF SYNCHROTRON RADIATION. ISSN 0909-0495, 2014, vol. 21, pp. 97., WOS

[1.1] RAO, P. N. - RAI, S. K. - NAYAK, M. - LODHA, G. S. Stability and normal incidence reflectivity of W/B4C multilayer mirror near the boron K absorption edge. In APPLIED OPTICS. ISSN 1559-128X, 2013, vol. 52, no. 25, pp. 6126., WOS

[1.2] KOSMATA, Marcel - MUNNIK, Frans - HANF, Daniel - GRÖTZSCHEL, Rainer - CROCOLL, Sonja - MÖLLER, Wolfhard. Oxygen depth profiling with subnanometre depth resolution. In Nuclear Instruments and Methods in Physics Research, Section B: Beam Interactions with Materials and Atoms. ISSN 0168583X, 2014-10-15, 337, pp. 27-33., SCOPUS

[1.2] MOZETIČ, M. et al. Recent advances in Vacuum science and applications. In JOURNAL OF PHYSICS D, 2014, vol. 47, 153001., SCOPUS

ADCA854 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. (3.898 - IF2009). (2010 - Current Contents). ISSN 0743-7463.

Ohlasy:

[1.1] CRESPO-QUESADA, M. - ANDANSON, J.M. - YARULIN, A. - LIM, B. - XIA, Y.N. - KIWI-MINSKER, L. UV-Ozone Cleaning of Supported Poly(vinylpyrrolidone)-Stabilized Palladium Nanocubes: Effect of Stabilizer Removal on Morphology and Catalytic Behavior. In LANGMUIR. ISSN 0743-7463, JUN 21 2011, vol. 27, no. 12, p. 7909-7916., WOS

[1.1] GROSS, Elad - KRIER, James M. - HEINKE, Lars - SOMORJAI, Gabor A. Building Bridges in Catalysis Science. Monodispersed Metallic Nanoparticles for Homogeneous Catalysis and Atomic Scale Characterization of Catalysts Under Reaction Conditions. In TOPICS IN CATALYSIS. ISSN 1022-5528, 2012, vol. 55, no. 1-2, pp. 13., WOS

[1.1] MASEK, K. - BLUMENTRIT, P. - BERAN, J. - SKALA, T. - PIS, I. - POLASEK, J. - MATOLIN, V. Structural and electronic studies of supported Pt and Au epitaxial clusters on tungsten oxide surface. In VACUUM. ISSN 0042-207X, 2012, vol. 86, no. 6, pp. 586., WOS

[1.1] SMILGIES, Detlef-M. - HEITSCH, Andrew T. - KORGEL, Brian A. Stacking of Hexagonal Nanocrystal Layers during Langmuir-Blodgett Deposition. In JOURNAL OF PHYSICAL CHEMISTRY B. ISSN 1520-6106, 2012, vol. 116, no. 20, pp. 6017., WOS

ADCA855 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. (1.239 - IF2000). ISSN 0034-6748.

Ohlasy:

[1.1] BOSCHINI, F. - HEDAYAT, H. - DALLERA, C. - FARINELLO, P. - MANZONI, C. - MAGREZ, A. - BERGER, H. - CERULLO, G. - CARPENE, E. An innovative Yb-based ultrafast deep ultraviolet source for time-resolved photoemission experiments. In REVIEW OF SCIENTIFIC INSTRUMENTS. ISSN 0034-6748, 2014, vol. 85, no. 12, 123903., WOS

[1.1] FAURE, J. - MAUCHAIN, J. - PAPALAZAROU, E. - YAN, W. - PINON, J. - MARSI, M. - PERFETTI, L. Full characterization and optimization of a femtosecond ultraviolet laser source for time and angle-resolved photoemission on solid surfaces. In REVIEW OF SCIENTIFIC INSTRUMENTS. ISSN 0034-6748, 2012, vol. 83, no. 4, 043109., WOS

[1.1] FUSHITANI, Mizuho - MATSUDA, Akitaka - HISHIKAWA, Akiyoshi. EUV and soft X-ray photoelectron spectroscopy of isolated atoms and molecules using single-order laser high-harmonics at 42 eV and 91 eV. In JOURNAL OF ELECTRON SPECTROSCOPY AND RELATED PHENOMENA. ISSN 0368-2048, 2012, vol. 184, no. 11-12, pp. 561., WOS

[1.1] GILBERTSON, Steve - DAKOVSKI, Georgi L. - DURAKIEWICZ, Tomasz - ZHU, Jian-Xin - DANI, Keshav M. - MOHITE, Aditya D. - DATTELBAUM, Andrew - RODRIGUEZ, George. Tracing Ultrafast Separation and Coalescence of Carrier Distributions in Graphene with Time-Resolved Photoemission. In JOURNAL OF PHYSICAL CHEMISTRY LETTERS. ISSN 1948-7185, 2012, vol. 3, no. 1, pp. 64., WOS

[1.1] ISHIDA, Y. - TOGASHI, T. - YAMAMOTO, K. - TANAKA, M. - KISS, T. - OTSU, T. - KOBAYASHI, Y. - SHIN, S. Time-resolved photoemission apparatus achieving sub-20-meV energy resolution and high stability. In REVIEW OF SCIENTIFIC INSTRUMENTS. ISSN 0034-6748, 2014, vol. 85, no. 12, 123904., WOS

[1.1] KOCH, Markus - WOLF, Thomas J. A. - GRILJ, Jakob - SISTRUNK, Emily - GUEHR, Markus. Femtosecond photoelectron and photoion spectrometer with vacuum ultraviolet probe pulses. In JOURNAL OF ELECTRON SPECTROSCOPY AND RELATED PHENOMENA. ISSN 0368-2048, 2014, vol. 197, pp. 22., WOS

[1.1] METJE, Jan - BORGWARDT, Mario - MOGUILEVSKI, Alexandre - KOTHE, Alexander - ENGEL, Nicholas - WILKE, Martin - AL-OBAIDI, Ruba - TOLKSDORF, Daniel - FIRSOV, Alexander - BRZHEZINSKAYA, Maria - ERKO, Alexei - KIYAN, Igor Yu. - AZIZ, Emad F. Monochromatization of

femtosecond XUV light pulses with the use of reflection zone plates. In OPTICS EXPRESS. ISSN 1094-4087, 2014, vol. 22, no. 9, pp. 10747., WOS

[1.1] OGURI, Katsuya - KATO, Keiko - NISHIKAWA, Tadashi - GOTOH, Hideki - TATENO, Kouta - SOGAWA, Tetsuomi - NAKANO, Hidetoshi. Time-Resolved Surface Photoelectron Spectroscopy of Photoexcited Electron and Hole Dynamics on GaAs Using 92 eV Laser Harmonic Source. In JAPANESE JOURNAL OF APPLIED PHYSICS. ISSN 0021-4922, 2012, vol. 51, no. 7, 072401., WOS

[1.1] OLOFF, L-P - OURA, M. - ROSSNAGEL, K. - CHAINANI, A. - MATSUNAMI, M. - EGUCHI, R. - KISS, T. - NAKATANI, Y. - YAMAGUCHI, T. - MIYAWAKI, J. - TAGUCHI, M. - YAMAGAMI, K. - TOGASHI, T. - KATAYAMA, T. - OGAWA, K. - YABASHI, M. - ISHIKAWA, T. Time-resolved HAXPES at SACLA: probe and pump pulse-induced space-charge effects. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2014, vol. 16, 123045., WOS

[1.1] SMALLWOOD, Christopher L. - JOZWIAK, Christopher - ZHANG, Wentao - LANZARA, Alessandra. An ultrafast angle-resolved photoemission apparatus for measuring complex materials. In REVIEW OF SCIENTIFIC INSTRUMENTS. ISSN 0034-6748, 2012, vol. 83, no. 12, 123904., WOS

[1.1] WERNET, Philippe - GAUDIN, Jerome - GODEHUSEN, Kai - SCHWARZKOPF, Olaf - EBERHARDT, Wolfgang. Femtosecond time-resolved photoelectron spectroscopy with a vacuum-ultraviolet photon source based on laser high-order harmonic generation. In REVIEW OF SCIENTIFIC INSTRUMENTS, 2011, vol.82, no.6, 063114., WOS

ADCA856 ŠIFFALOVIČ, Peter - MAJKOVÁ, Eva - CHITU, Livia - JERSEL, 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. (6.408 - IF2007). (2008 - Current Contents). ISSN 1613-6810.

Ohlasy:

[1.1] AGTHE, M. - WETTERSKOG, E. - MOUZON, J. - SALAZAR-ALVAREZ, G. - BERGSTROM, L. Dynamic growth modes of ordered arrays and mesocrystals during drop-casting of iron oxide nanocubes. In CRYSTENGCOMM. ISSN 1466-8033, 2014, vol. 16, no. 8, p. 1443-1450., WOS

[1.1] BAO, N.Z. - GUPTA, A. Self-assembly of superparamagnetic nanoparticles. In JOURNAL OF MATERIALS RESEARCH. ISSN 0884-2914, JAN 2011, vol. 26, no. 2, p. 111-121., WOS

[1.1] MISHRA, D. - BENITEZ, M.J. - PETRACIC, O. - CONFALONIERI, G.A.B. - SZARY, P. - BRUSSING, F. - THEIS-BROHL, K. - DEVISHVILI, A. - VOROBIEV, A. - KONOVALOV, O. - PAULUS, M. - STERNEMANN, C. - TOPERVERG, B.P. - ZABEL, H. Self-assembled iron oxide nanoparticle multilayer: x-ray and polarized neutron reflectivity. In NANOTECHNOLOGY. ISSN 0957-4484, FEB 10 2012, vol. 23, no. 5., WOS

[1.1] PICHLER, S. - BODNARCHUK, M.I. - KOVALENKO, M.V. - YAREMA, M. - SPRINGHOLZ, G. - TALAPIN, D.V. - HEISS, W. Evaluation of Ordering in Single-Component and Binary Nanocrystal Superlattices by Analysis of Their Autocorrelation Functions. In ACS NANO. ISSN 1936-0851, MAR 2011, vol. 5, no. 3, p. 1703-1712., WOS

ADCA857 ŠIFFALOVIČ, Peter - MAJKOVÁ, Eva - CHITU, Livia - JERGEL, 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. (3.107 - IF2006). (2007 - Current Contents, WOS, SCOPUS). ISSN 1098-0121.

Ohlasy:

[1.1] CORRICELLI, M. - ALTAMURA, D. - CURRI, M. L. - SIBILLANO, T. - SILIQI, D. - MAZZONE, A. - DEPALO, N. - FANIZZA, E. - ZANCHET, D. - GIANNINI, C. - STRICCOLI, M. GISAXS and GIWAXS study on self-assembling processes of nanoparticle based superlattices. In

CRYSTENGCOMM. ISSN 1466-8033, 2014, vol. 16, no. 40, pp. 9482., WOS

[1.1] DECORDE, Nicolas - SANGEETHA, Neralagatta M. - VIALLET, Benoit - VIAU, Guillaume - GRISOLIA, Jeremie - COATI, Alessandro - VLAD, Alina - GARREAU, Yves - RESSIER, Laurence. Small angle X-ray scattering coupled with in situ electromechanical probing of nanoparticle-based resistive strain gauges. In *NANOSCALE*. ISSN 2040-3364, 2014, vol. 6, no. 24, pp. 15107., WOS

[1.1] PICHLER, Stefan - BODNARCHUK, Maryna I. - KOVALENKO, Maksym V. - YAREMA, Maksym - SPRINGHOLZ, Gunther - TALAPIN, Dmitri V. - HEISS, Wolfgang. Evaluation of Ordering in Single-Component and Binary Nanocrystal Superlattices by Analysis of Their Autocorrelation Functions. In *ACS NANO*, 2011, vol.5, no.3, 1703., WOS

[1.1] VALES, Vaclav - VEJPRAVOVA, Jana - PACAKOVA, Barbara - HOLY, Vaclav - BERNSTORFF, Sigrid - KALBAC, Martin. Self-ordering of iron oxide nanoparticles covered by graphene. In *PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS*. ISSN 0370-1972, 2014, vol. 251, no. 12, pp. 2499., WOS

[1.1] WERNECKE, Jan - SCHOLZE, Frank - KRUMREY, Michael. Direct structural characterisation of line gratings with grazing incidence small-angle x-ray scattering. In *REVIEW OF SCIENTIFIC INSTRUMENTS*. ISSN 0034-6748, 2012, vol. 83, no. 10, 103906., WOS

ADCA858 ŠIFFALOVIČ, Peter - CHITU, Livia - VÉGSO, Karol - MAJKOVÁ, Eva - JERGEL, Matej - WEIS, Martin Jr. - LUBY, Štefan - CAPEK, Ignác - KECKES, J. - MAIER, G.A. - ŠATKA, 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. (3.137 - IF2009). (2010 - Current Contents, WOS, SCOPUS). ISSN 0957-4484.

Ohlasy:

[1.1] DECORDE, Nicolas - SANGEETHA, Neralagatta M. - VIALLET, Benoit - VIAU, Guillaume - GRISOLIA, Jeremie - COATI, Alessandro - VLAD, Alina - GARREAU, Yves - RESSIER, Laurence. Small angle X-ray scattering coupled with in situ electromechanical probing of nanoparticle-based resistive strain gauges. In *NANOSCALE*. ISSN 2040-3364, 2014, vol. 6, no. 24, pp. 15107., WOS

[1.1] FARCAU, C. - MOREIRA, H. - VIALLET, B. - GRISOLIA, J. - CIUCULESCU-PRADINES, D. - AMIENS, C. - RESSIER, L. Monolayered Wires of Gold Colloidal Nanoparticles for High-Sensitivity Strain Sensing. In *JOURNAL OF PHYSICAL CHEMISTRY C*. ISSN 1932-7447, AUG 4 2011, vol. 115, no. 30, p. 14494-14499., WOS

- [1.1] MOREIRA, H. - GRISOLIA, J. - SANGEETHA, N.M. - DECORDE, N. - FARCAU, C. - VIALLET, B. - CHEN, K. - VIAU, G. - RESSIER, L. Electron transport in gold colloidal nanoparticle-based strain gauges. In NANOTECHNOLOGY. ISSN 0957-4484, MAR 8 2013, vol. 24, no. 9., WOS
- [1.1] Olichwer, Natalia - Leib, Elisabeth W. - Halfar, Annelie H. - Petrov, Alexey - Vossmeier, Tobias. Cross-Linked Gold Nanoparticles on Polyethylene: Resistive Responses to Tensile Strain and Vapors. In ACS APPLIED MATERIALS & INTERFACES. ISSN 1944-8244, 2012, vol. 4, no. 11, pp. 6151-6161., WOS
- [1.1] RADHA, B. - SAGADE, A.A. - KULKARNI, G.U. Flexible and Semitransparent Strain Sensors Based on Micromolded Pd Nanoparticle-Carbon mu-Stripes. In ACS APPLIED MATERIALS & INTERFACES. ISSN 1944-8244, JUL 2011, vol. 3, no. 7, p. 2173-2178., WOS
- [1.1] RYU, D. - LOH, K.J. - IRELAND, R. - KARIMZADA, M. - YAGHMAIE, F. - GUSMAN, A.M. In situ reduction of gold nanoparticles in PDMS matrices and applications for large strain sensing. In SMART STRUCTURES AND SYSTEMS. ISSN 1738-1584, NOV 2011, vol. 8, no. 5, p. 471-486., WOS
- [1.1] SANGEETHA, N.M. - DECORDE, N. - VIALLET, B. - VIAU, G. - RESSLER, L. Nanoparticle-Based Strain Gauges Fabricated by Convective Self Assembly: Strain Sensitivity and Hysteresis with Respect to Nanoparticle Sizes. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, JAN 31 2013, vol. 117, no. 4, p. 1935-1940., WOS
- [1.1] SEGEV-BAR, M. - HAICK, H. Flexible Sensors Based on Nanoparticles. In ACS NANO. ISSN 1936-0851, OCT 2013, vol. 7, no. 10, p. 8366-8378., WOS
- [1.1] SEGEV-BAR, M. - LANDMAN, A. - NIR-SHAPIRA, M. - SHUSTER, G. - HAICK, H. Tunable Touch Sensor and Combined Sensing Platform: Toward Nanoparticle-based Electronic Skin. In ACS APPLIED MATERIALS & INTERFACES. ISSN 1944-8244, JUN 26 2013, vol. 5, no. 12, p. 5531-5541., WOS
- [1.1] TANG, Jun - GUO, Hao - AN, Ping - CHEN, Meng - TSOUKALAS, D. - SHI, Yunbo - LIU, Jun - XUE, Chenyang - ZHANG, Wendong. ZnO nanoparticles embedded in polyethylene-glycol (PEG) matrix as sensitive strain gauge elements. In JOURNAL OF NANOPARTICLE RESEARCH. ISSN 1388-0764, 2014, vol. 16, no. 11, UNSP 2714., WOS
- [1.1] TANNER, J. L. - MOUSADAKOS, D. - GIANNAKOPOULOS, K. - SKOTADIS, E. - TSOUKALAS, D. High strain sensitivity controlled by the surface density of platinum nanoparticles. In NANOTECHNOLOGY. ISSN 0957-4484, 2012, vol. 23, no. 28, 285501., WOS
- [1.1] ZHENG, Mengyang - LI, Wenyang - XU, Mengjiao - XU, Ning - CHEN, Peng - HAN, Min - XIE, Bo. Strain sensors based on chromium nanoparticle arrays. In NANOSCALE. ISSN 2040-3364, 2014, vol. 6, no. 8, pp. 3930., WOS

ADCA859 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. (0.889 - IF1998). (1999 - Current Contents, WOS, SCOPUS). ISSN 0304-8853.

Ohlasy:

- [1.1] HUA, Z. - SUN, Y. M. - YU, W. Q. - WEI, M. B. CRYSTALLIZATION PROGRESS AND MAGNETIC PROPERTY OF Fe-Zr(Nb)-B AMORPHOUS-NANOCRYSTALLINE ALLOY. In INTERNATIONAL JOURNAL OF MODERN PHYSICS B. ISSN 0217-9792, 2012, vol. 26, no. 11, art. no. 250088., WOS
- [1.1] JIANG, X. L. - YAO, Y. J. - LAI, M. - PENG, K. - DU, Y. W. - CONG, HL. Cutoff Frequency Study on Nanocrystalline FeNbB Thin Films. In ADVANCED IN NANOSCIENCE AND TECHNOLOGY. ISSN 1022-6680, 2012, vol. 465, no., pp. 72., WOS
- [1.1] SEKRI, A. - ESCODA, L. - SUNOL, J. J. - KHITOUNI, M. Synthesis and structural characterization of nanocrystalline FeAlNbB alloy prepared by mechanical alloying. In MATERIALS LETTERS. ISSN 0167-577X, 2013, vol. 107, no., pp. 318., WOS
- [1.2] Jiang, X.-L., Yao, Y.-J., Peng, K., Du, Y.-W. Annealing effects on the magnetic properties of nanocrystalline FeNbB thin films 2011 International Conference on Multimedia Technology, ICMT 2011 , art. no. 6002466 , pp. 6243-6245, SCOPUS

ADCA860 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. (1.212 - IF2006). (2007 - Current Contents, WOS, SCOPUS). ISSN 0304-8853.

Ohlasy:

- [1.1] BLAZQUEZ, J. S. - IPUS, J. J. - CONDE, C. F. - CABRERA, D. - FRANCO, V. - CONDE, A. Crystallization kinetics and soft magnetic properties in metalloid-free (Fe, Co)(90)Zr-10 amorphous and nanocrystalline alloys. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2014, vol. 615, pp. S213., WOS
- [1.1] LASHGARI, H. R. - CHU, D. - XIE, Shishu - SUN, Huande - FERRY, M. - LI, S. Composition dependence of the microstructure and soft magnetic properties of Fe-based amorphous/nanocrystalline alloys: A review study. In JOURNAL OF NON-CRYSTALLINE SOLIDS. ISSN 0022-3093, 2014, vol. 391, pp. 61., WOS
- [1.2] Song, X.-L., Xie, G.-Z., Zhang, B.-S., Tang, D.-M., Yang, Y., Li, B.-L., Chen, Y., Lu, H.-X. Effect of vacuum heat treatment on microwave properties of melt-spun NdFeB nanocomposite 2011 Cailiao Rechuli Xuebao/Transactions of Materials and Heat Treatment 32 (6) , pp. 32-36, SCOPUS

ADCA861 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. (0.985 - IF2005). (2006 - Current Contents, WOS, SCOPUS). ISSN 0304-8853.

Ohlasy:

- [1.1] COJOCARU, V.D. Ball milling synthesis and stability under pressure in nanostructured HITPERM alloys. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, 2012, vol. 324, no. 9, p. 1664-1669., WOS

- [1.1] COJOCARU, V.D. - NICULA, R. - STIR, M. - BURKEL, E. Compression behaviour of nanostructured NANOPERM alloy at 500 degrees C. In OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS, 2011, vol. 5, no. 10, p. 1093-1096., WOS
- [1.1] DMITRIEVA, N. V. - LUKSHINA, V. A. - VOLKOVA, E. G. - POTAPOV, A. P. - FILLIPOV, B. N. - SHISHKIN, D. A. Magnetic Properties, Thermal Stability, and Structure of the Nanocrystalline Soft Magnetic (Fe_{0.7}Co_{0.3})(88)Hf₂W₂Mo₂Zr₁B₄Cu₁ Alloy with Induced Magnetic Anisotropy. In PHYSICS OF METALS AND METALLOGRAPHY. ISSN 0031-918X, 2014, vol. 115, no. 4, pp. 326-334., WOS
- [1.1] LYU, Xiao - LI, Donggang - WANG, Qiang - WANG, Kai - LOU, Changsheng - HE, Jicheng. The Effect of Static Magnetic Field on Electroless Ni-P In Situ Deposition and Post-annealing. In JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE. ISSN 1059-9495, 2013, vol. 22, no. 10, pp. 3134., WOS
- [1.1] WILLARD, Matthew A. - DANIIL, Maria - BUSCHOW, KHJ. NANOCRYSTALLINE SOFT MAGNETIC ALLOYS TWO DECADES OF PROGRESS. In HANDBOOK OF MAGNETIC MATERIALS, VOL 21. ISSN 1567-2719, 2013, vol. 21, pp. 173., WOS
- [1.1] WILLARD, M. A. - DANIIL, M. - KNIPING, K. E. Nanocrystalline soft magnetic materials at high temperatures: A perspective. In SCRIPTA MATERIALIA. ISSN 1359-6462, 2012, vol. 67, no. 6, pp. 554., WOS
- [1.2] LV, Wei. Research on annealing process for amorphous & nanocrystalline soft magnetic alloy with high μ_i and low P_c . In Materials Science Forum. ISSN 02555476, 2014-01-01, 787, pp. 256-260., SCOPUS

ADCA862 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. (2.135 - IF2009). (2010 - Current Contents, WOS, SCOPUS). ISSN 0925-8388.

Ohlasy:

- [1.1] KLEIN, P. - VARGA, R. - BADINI-CONFALONIERI, G.A. - VAZQUEZ, M. Study of domain structure and magnetization reversal after thermal treatments in Fe₄₀Co₃₈Mo₄B₁₈ microwires. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, 2011, vol. 323, no. 24, p. 3265-3270., WOS
- [1.1] ONODERA, Reisho - KIMURA, Shojiro - WATANABE, Kazuo - YOKOYAMA, Yoshihiko - MAKINO, Akihiro - KOYAMA, Keiichi. Isothermal Crystallization of Iron-Based Amorphous Alloys in a High Magnetic Field. In MATERIALS TRANSACTIONS. ISSN 1345-9678, 2013, vol. 54, no. 7, pp. 1232., WOS
- [1.1] ONODERA, Reisho - KIMURA, Shojiro - WATANABE, Kazuo - YOKOYAMA, Yoshihiko - MAKINO, Akihiro - KOYAMA, Keiichi. Crystallization kinetics of high iron concentration amorphous alloys under high magnetic fields. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2014, vol. 604, pp. 8-11., WOS
- [1.1] VARGA, R. - KLEIN, P. - RICHTER, K. - ZHUKOV, A. - VAZQUEZ, M. Fast domain wall dynamics in amorphous and nanocrystalline

magnetic microwires. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2012, vol. 324, no. 21, pp. 3566., WOS
[1.2] Shi, R.-M., Wang, Z., Jia, Y.-Y., Fu, B., Long, Y. Influence of magnetic field annealing on saturation magnetostriction and μ i-T curves for FeCo-based nanocrystalline alloy 2011 Journal of Applied Physics 109 (7) , art. no. 07A328, SCOPUS

ADCA863 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. (1.611 - IF2001). (2002 - Current Contents, WOS, SCOPUS). ISSN 0953-8984.

Ohlasy:

[1.1] LAW, J.Y. - FRANCO, V. - RAMANUJAN, R.V. The magnetocaloric effect of partially crystalline Fe-B-Cr-Gd alloys. In JOURNAL OF APPLIED PHYSICS, 2012, vol. 111, no. 11, art. no. 113919., WOS

ADCA864 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. (1.490 - IF2006). (2007 - Current Contents, WOS, SCOPUS). ISSN 0921-5093.

Ohlasy:

[1.1] ALVAREZ, Pablo - GORRIA, Pedro - SANCHEZ LLAMAZARES, Jose L. - BLANCO, Jesus A. Searching the conditions for a table-like shape of the magnetic entropy in magneto-caloric materials. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2013, vol. 568, no., pp. 98., WOS

[1.1] BLAZQUEZ, J. S. - FRANCO, V. - CONDE, A. Enhancement of the magnetic refrigerant capacity in partially amorphous Fe₇₀Zr₃₀ powders obtained by mechanical alloying. In INTERMETALLICS. ISSN 0966-9795, 2012, vol. 26, no., pp. 52., WOS

[1.1] FRANCO, V. - BLAZQUEZ, J. S. - INGALE, B. - CONDE, A. - CLARKE, DR. The Magnetocaloric Effect and Magnetic Refrigeration Near Room Temperature: Materials and Models. In ANNUAL REVIEW OF MATERIALS RESEARCH, VOL 42. ISSN 1531-7331, 2012, vol. 42, no., pp. 305., WOS

[1.1] FRANCO, V. - CONDE, A. Magnetic refrigerants with continuous phase transitions: Amorphous and nanostructured materials. In SCRIPTA MATERIALIA. ISSN 1359-6462, 2012, vol. 67, no. 6, pp. 594., WOS

[1.1] GONDRO, J. - SWIERCZEK, J. - BLOCH, K. - ZBROSZCZYK, J. - CIURZYNSKA, W. - OLSZEWSKI, J. Microstructure and some thermomagnetic properties of amorphous and partially crystallized Fe-(Pt)-Zr-Nb-Cu-B alloys. In PHYSICA B-CONDENSED MATTER. ISSN 0921-4526, 2014, vol. 445, pp. 37., WOS

[1.1] CHIRIAC, H. - LUPU, N. - LOSTUN, M. - ABABEI, G. - GRIGORAS, M. - DANCEANU, C. Low T-C Fe-Cr-Nb-B glassy submicron powders for hyperthermia applications. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2014, vol. 115, no. 17, art. no. 17B520., WOS

[1.1] KHOVAYLO, Vladimir V. - RODIONOVA, Valeria V. -

SHEVYRTALOV, Sergey N. - NOVOSAD, Val. Magnetocaloric effect in "reduced" dimensions: Thin films, ribbons, and microwires of Heusler alloys and related compounds. In *PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS*. ISSN 0370-1972, 2014, vol. 251, no. 10, pp. 2104., WOS

[1.1] LAW, J. Y. - FRANCO, V. - RAMANUJAN, R. V. The magnetocaloric effect of partially crystalline Fe-B-Cr-Gd alloys. In *JOURNAL OF APPLIED PHYSICS*. ISSN 0021-8979, 2012, vol. 111, no. 11, art. no. 113919., WOS

[1.1] LI, Jiawei - HUO, Juntao - LAW, Jiayan - CHANG, Chuntao - DU, Juan - MAN, Qikui - WANG, Xinmin - LI, Run-Wei. Magnetocaloric effect in heavy rare-earth elements doped Fe-based bulk metallic glasses with tunable Curie temperature. In *JOURNAL OF APPLIED PHYSICS*. ISSN 0021-8979, 2014, vol. 116, no. 6, art. no. 063902., WOS

[1.1] LI, Xingzhou - PAN, Ye. Magnetocaloric effect in Fe-Zr-B-M (M = Ni, Co, Al, and Ti) amorphous alloys. In *JOURNAL OF APPLIED PHYSICS*. ISSN 0021-8979, 2014, vol. 116, no. 9, art. no. 093910., WOS

[1.1] SWIERCZEK, Jan. Superparamagnetic behavior and magnetic entropy change in partially crystallized Fe-Mo-Cu-B alloy. In *PHYSICA STATUS SOLIDI A-APPLICATIONS AND MATERIALS SCIENCE*. ISSN 1862-6300, 2014, vol. 211, no. 7, pp. 1567., WOS

[1.1] SWIERCZEK, J. - MYDLARZ, T. Magnetic entropy changes at early stages of nanocrystallization in amorphous Fe(90)Zr(7)B(3) ribbons. In *JOURNAL OF ALLOYS AND COMPOUNDS*, 2011, vol. 509, no. 38, p. 9340-9345., WOS

[1.1] VARZANEH, A. Ghotbi - KAMELI, P. - KARIMZADEH, F. - ASLIBEIKI, B. - VARVARO, G. - SALAMATI, H. Magnetocaloric effect in Ni₄₇Mn₄₀Sn₁₃ alloy prepared by mechanical alloying. In *JOURNAL OF ALLOYS AND COMPOUNDS*. ISSN 0925-8388, 2014, vol. 598, pp. 6., WOS

ADCA865 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. (0.979 - IF2002). (2003 - Current Contents, WOS, SCOPUS). ISSN 0031-8965.

Ohlasy:

[1.1] WILLARD, M. A. - DANIIL, M. - KNIPING, K. E. Nanocrystalline soft magnetic materials at high temperatures: A perspective. In *SCRIPTA MATERIALIA*. ISSN 1359-6462, 2012, vol. 67, no. 6, pp. 554., WOS

ADCA866 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.

Ohlasy:

[1.1] BREUER, Heinz-Peter. Foundations and measures of quantum non-Markovianity. In *JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS*. ISSN 0953-4075, 2012, vol. 45, no. 15, 154001., WOS

[1.1] GARDAS, Bartłomiej - PUCHALA, Zbigniew. Stationary states of two-level open quantum systems. In *JOURNAL OF PHYSICS*

- A-MATHEMATICAL AND THEORETICAL, 2011, vol.44, no.21., WOS
- [1.1] GARDAS, Bartłomiej - PUCHALA, Zbigniew. Notes on the Riccati operator equation in open quantum systems. In JOURNAL OF MATHEMATICAL PHYSICS. ISSN 0022-2488, 2012, vol. 53, no. 1, 012106., WOS
- [1.1] GARDAS, Bartłomiej. Exact solution of the Schrodinger equation with the spin-boson Hamiltonian. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL, 2011, vol.44, no.19., WOS
- [1.1] GARDAS, Bartłomiej. Riccati equation and the problem of decoherence II: Symmetry and the solution of the Riccati equation. In JOURNAL OF MATHEMATICAL PHYSICS, 2011, vol.52, no.4., WOS
- [1.1] LI, Chuan-Feng - TANG, Jian-Shun - LI, Yu-Long - GUO, Guang-Can. Experimentally witnessing the initial correlation between an open quantum system and its environment. In PHYSICAL REVIEW A, 2011, vol.83, no.6., WOS
- [1.1] LI, Lin - ZOU, Jian - XU, Bao-Ming - RU, Ting-Ting - LI, Hai - SHAO, Bin - HE, Zhi. Quantum discord dynamics in the presence of initial system-bath correlations. In PHYSICA SCRIPTA. ISSN 0031-8949, 2012, vol. 86, no. 6, 065001., WOS
- [1.1] LI, Lin - ZOU, Jian - HE, Zhi - LI, Jun-Gang - SHAO, Bin - WU, Lian-Ao. New features of entanglement dynamics with initial system-bath correlations. In PHYSICS LETTERS A. ISSN 0375-9601, 2012, vol. 376, no. 8-9, pp. 913., WOS
- [1.1] ROSSATTO, D. Z. - WERLANG, T. - CASTELANO, L. K. - VILLAS-BOAS, C. J. - FANCHINI, F. F. Purity as a witness for initial system-environment correlations in open-system dynamics. In PHYSICAL REVIEW A, 2011, vol.84, no.4., WOS
- [1.1] UCHIYAMA, Chikako. Exploring initial correlations in a Gibbs state by application of external field. In PHYSICAL REVIEW A. ISSN 1050-2947, 2012, vol. 85, no. 5, 052104., WOS
- [1.1] ZHANG, Ying-Jie - ZOU, Xu-Bo - XIA, Yun-Jie - GUO, Guang-Can. Quantum discord dynamics in the presence of initial system-cavity correlations. In JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS, 2011, vol.44, no.3., WOS

ADCA867 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. (2.684 - IF2000). ISSN 1050-2947. Ohlasy:

- [1.1] ALBASH, T. Quantum adiabatic Markovian master equations. In NEW JOURNAL OF PHYSICS, 2012, vol. 14, 123016., WOS
- [1.1] BAN, M. In JOURNAL OF MODERN OPTICS, 2011, vol. 58, NO. 8, P. 640., WOS
- [1.1] BAN, M. In PHYSICAL REVIEW A, 2013, vol. 87, 052137., WOS
- [1.1] BAN, M. In PHYSICS LETTERS A, 2011, vol. 375, NO. 3, P. 422., WOS
- [1.1] BREUER, H.-P. Foundations and measures. In JOURNAL OF PHYSICS B, 2012, vol. 45, 154001., WOS
- [1.1] BRODUTCH, A. In PHYSICAL REVIEW A. 2013, vol. 87, 042301., WOS

- [1.1] DAJKA, J. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2013, vol. 52, pp. 1148., WOS
- [1.1] DAJKA, J. In PHYSICAL REVIEW A, 2011, vol. 84, no. 3, 032120., WOS
- [1.1] DAJKA, J.- LUCZKA, J. The trace distance and linear entropy. In REPORTS ON MATHEMATICAL PHYSICS, 2012, vol. 70, pp. 193., WOS
- [1.1] DEVI, A.R.USHA. In PHYSICAL REVIEW A, 2011, vol. 83, 022109., WOS
- [1.1] GARDAS, B. In JOURNAL OF PHYSICS A, 2011, vol. 44, 215306., WOS
- [1.1] GARDAS, B. In JOURNAL OF MATHEMATICAL PHYSICS, 2011, vol. 52, 042104., WOS
- [1.1] GARDAS, B.- PUCHALA, Z. Notes on the Riccati operator. In JOURNAL OF MATHEMATICAL PHYSICS, 2012, vol. 53, 012106., WOS
- [1.1] GESSNER, M. In PHYSICAL REVIEW LETTERS, 2011, vol. 107, 180402., WOS
- [1.1] GSARDAS, B. In JOURNAL OF PHYSICS A, 2011, vol. 44, 195301., WOS
- [1.1] LEGGIO, B. In PHYSICAL REVIEW E, 2013, vol. 87, 032113., WOS
- [1.1] LI, Ch.-F. In PHYSICAL REVIEW A, 2011, vol. 83, 064102., WOS
- [1.1] LI, L. New features of entanglement dynamics. In PHYSICS LETTERS A, 2012, vol. 376, pp. 913., WOS
- [1.1] LI, L. Quantum discord dynamics. In PHYSICA SCRIPTA, 2012, vol. 86, 065001., WOS
- [1.1] LU, X.-M. In PHYSICAL REVIEW A, 2011, vol. 83, 012327., WOS
- [1.1] MASILLO, F. In JOURNAL OF MATHEMATICAL PHYSICS, 2011, vol. 52, 012101., WOS
- [1.1] MODI, K. In OPEN SYSTEM AND INFORMATION DYNAMICS, 2011, vol. 18, P. 253., WOS
- [1.1] MODI, K. Positivity in the presence of initial system. In PHYSICAL REVIEW A, 2012, vol. 86, 064102., WOS
- [1.1] MOODLEY, M. Stochastic wave-function. In PHYSICA SCRIPTA, 2012, vol. 85, 045002., WOS
- [1.1] MOROZOV, V.G. Decoherence in an exactly solvable qubit model. In PHYSICAL REVIEW A, 2012, vol. 85, 02210., WOS
- [1.1] OSAN, T. In PHYSICAL REVIEW A, 2013, vol. 87, 062319., WOS
- [1.1] RODRIGUEZ-ROSARIO, C.A. Unification of witnessing initial system. In EPL, 2012, vol. 99, 20010., WOS
- [1.1] RODRIQUEZ-ROSARIO, C.A. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION, 2011, vol. 9, p. 1617., WOS
- [1.1] ROSSATTO, D.Z. In PHYSICAL REVIEW A, 2011, vol. 84, 042113., WOS
- [1.1] SABERI, H. In PHYSICAL REVIEW A, 2011, vol. 84, 032323., WOS
- [1.1] SMIRNE, A. In PHYSICAL REVIEW A, 2011, vol. 84, 032112., WOS
- [1.1] SMIRNE, A. In PHYSICAL REVIEW A, 2013, vol. 87, 052129., WOS
- [1.1] UCHIYAMA, CH. Exploring initial correlations in Gibbs state. In PHYSICAL REVIEW A, 2012, vol. 85, 052104., WOS
- [1.1] ZHANG, Y.-J. In JOURNAL OF PHYSICS B, 2011, vol. 44, NO. 3, 035503., WOS

ADCA868 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.

Ohlasy:

[1.1] DIVYAMANI, B.G. In CHINESE PHYSICS LETTERS, 2013, vol. 30, 120301., WPS

[1.1] GARDAS, Bartłomiej - PUCHALA, Zbigniew. Stationary states of two-level open quantum systems. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL, 2011, vol.44, no.21., WOS

[1.1] GARDAS, Bartłomiej. Riccati equation and the problem of decoherence II: Symmetry and the solution of the Riccati equation. In JOURNAL OF MATHEMATICAL PHYSICS, 2011, vol.52, no.4., WOS

[1.1] GARDAS, Bartłomiej. Exact solution of the Schrodinger equation with the spin-boson Hamiltonian. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL, 2011, vol.44, no.19., WOS

[1.1] JOSHI, Ch. In PHYSICAL REVIEW A, 2013, vol. 88, 063835., WOS

[1.1] LI, Chuan-Feng - TANG, Jian-Shun - LI, Yu-Long - GUO, Guang-Can. Experimentally witnessing the initial correlation between an open quantum system and its environment. In PHYSICAL REVIEW A, 2011, vol.83, no.6., WOS

[1.1] ROSSATTO, D. Z. - WERLANG, T. - CASTELANO, L. K. - VILLAS-BOAS, C. J. - FANCHINI, F. F. Purity as a witness for initial system-environment correlations in open-system dynamics. In PHYSICAL REVIEW A, 2011, vol.84, no.4., WOS

[1.1] ZHANG, Ying-Jie - ZOU, Xu-Bo - XIA, Yun-Jie - GUO, Guang-Can. Quantum discord dynamics in the presence of initial system-cavity correlations. In JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS, 2011, vol.44, no.3., WOS

ADCA869 ŠTOFANIK, Vladimír - BALAZ, I. Frequency stability improvement in direct digital frequency synthesis. In *Radioengineering*, 2004, vol. 13, no. 2, p. 17-19. ISSN 1210-2512.

Ohlasy:

[1.1] SCHIMMEL, Jiri. Audible Aliasing Distortion in Digital Audio Synthesis. In RADIOENGINEERING. ISSN 1210-2512, 2012, vol. 21, no. 1, pp. 56., WOS

ADCA870 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. (2.962 - IF2003). (2004 - Current Contents, WOS, SCOPUS). ISSN 1098-0121.

Ohlasy:

[1.1] DOLGANOV, P. V. Landau Model of the Phase Transitions for Description of Commensurate Polar Smectic Structures. In FERROELECTRICS. ISSN 0015-0193, 2012, vol. 431, pp. 21., WOS

[1.1] DOLGANOV, P. V. - KATS, E. I. - DOLGANOV, V. K. Step-by-step first order antiferroelectric-paraelectric transition induced by frustration and electric field. In JETP LETTERS. ISSN 0021-3640, 2014, vol. 99, no. 4, pp. 191., WOS

- [1.1] MURTAZAEV, A. K. - IBAEV, Zh. G. Critical Properties of the Anisotropic Ising Model with Competing Interactions. In JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS. ISSN 1063-7761, 2011, vol. 113, no. 1, pp. 106., WOS
- [1.1] NASCIMENTO, E. S. - DE LIMA, J. P. - SALINAS, S. R. Modulated phases and devil's staircases in a layered mean-field version of the ANNNI model. In PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS. ISSN 0378-4371, 2014, vol. 409, pp. 78., WOS
- [1.1] ZHANG, Kai - CHARBONNEAU, Patrick. Monte Carlo approach for studying microphases applied to the axial next-nearest-neighbor Ising and the Ising-Coulomb models. In PHYSICAL REVIEW B. ISSN 1098-0121, 2011, vol. 83, no. 21, 214303., WOS

ADCA871 ŠURDA, Anton. Statistical mechanics of steady state traffic flow. In *Journal of Statistical Mechanics*, 2008, p04017. ISSN 1742-5468.

Ohlasy:

- [1.1] KRBALEK, Milan. Theoretical predictions for vehicular headways and their clusters. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2013, vol. 46, no. 44, 445101., WOS

ADCA872 ŠVEC, Peter - KRIŠTIÁKOVÁ, Katarína - DUHAJ, Pavol - JANIČKOVIČ, Dušan. Energetics of formation of nanocrystalline structures in Finement, Nanoperm and Hitperm alloys. In *Czechoslovak Journal of Physics*, 2002, vol.52, no. 2, p. 145-150. (0.345 - IF2001). (2002 - Current Contents, WOS, SCOPUS). ISSN 0011-4626.

Ohlasy:

- [1.1] VAVILOVA, V.V. Effect of 0.1 M Na₂SO₄ solution. In INORGANIC MATERIALS, 2012, vol. 48, no. 3, pp. 272-278., WOS
- [1.1] VAVILOVA, V.V. et al. In INORGANIC MATERIALS, 2014, vol. 50, no. 12, pp. 1196-1201., WOS
- [1.1] VAVILOVA, V.V. In INORGANICS MATERIALS, 2013, vol. 49, no. 11, p. 1113-1122., WOS

ADCA873 ŠVEC, Peter - DUHAJ, Pavol. Growth of crystalline phase in amorphous-alloys. In *Materials Science and Engineering B - Solid-State Materials for Advanced Technology*, 1990, vol. 6, no. 4, p. 265-271. ISSN 0921-5107.

Ohlasy:

- [1.1] ISOTANI, Sadao - FUJII, Americo Tsuneo - MIZUKAMI, Akiyoshi - WATARI, Kazunori - ARAI, Toshihiro. Growth kinetics of CdS in germanium oxide glassy matrix. In PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES. ISSN 1386-9477, 2012, vol. 44, no. 9, pp. 1820., WOS

ADCA874 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. (1.061 - IF2009). (2010 - Current Contents, WOS, SCOPUS). ISSN 0018-9464.

Ohlasy:

- [1.1] PAVUK, Milan - SITEK, Jozef - SEDLACKOVA, Katarina. SURFACE PROPERTIES OF A NANOCRYSTALLINE Fe-Ni-Nb-B ALLOY

AFTER NEUTRON IRRADIATION. In JOURNAL OF ELECTRICAL ENGINEERING-ELEKTROTECHNICKY CASOPIS. ISSN 1335-3632, 2014, vol. 65, no. 5, pp. 317., WOS

[1.1] PETRIE, J. R. - URAZHIDIN, S. - WIELAND, K. A. - FISCHER, G. A. - EDELSTEIN, A. S. Using a spin torque nano-oscillator to read memory based on the magnetic permeability. In JOURNAL OF PHYSICS D-APPLIED PHYSICS. ISSN 0022-3727, 2014, vol. 47, no. 5, 055002., WOS

ADCA875 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. (0.433 - IF2009). (2010 - Current Contents, WOS, SCOPUS). ISSN 1898-794X.

Ohlasy:

[1.1] IMAMURA, D. - TODAKA, T. - ENOKIZONO, M. Fe-Mn-Si/6.5wt%Si-Fe Bilayer Ribbons Produced by Using the Melt-Spinning Technique. In IEEE TRANSACTIONS ON MAGNETICS. OCT 2011, vol. 47, no. 10, p. 3184-3187., WOS

[1.1] SAKOH, Nobuhiro - TODAKA, Takashi - ENOKIZONO, Masato. Magnetic Properties of Bilayer Ferromagnetic Shape Memory Ribbons. In IEEE TRANSACTIONS ON MAGNETICS. ISSN 0018-9464, 2014, vol. 50, no. 4, art. no. 2501304., WOS

ADCA876 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, 133507. (3.841 - IF2010). (2011 - Current Contents, SCOPUS). ISSN 0003-6951.

Ohlasy:

[1.1] LIM, Eunju - TAGUCHI, Dai - IWAMOTO, Mitsumasa. Probing charging effects induced in ITO/polyimide/6,13-Bis(triisopropylsilylethynyl)-pentacene/Au diodes by time-resolved optical second harmonic generation measurement. In CHEMICAL PHYSICS LETTERS, 2011, vol.515, no.4-6, 306., WOS

ADCA877 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, 021602. (2.747 - IF2010). (2011 - Current Contents). ISSN 1882-0778.

Ohlasy:

[1.1] LEE, Hsin-Ying - HUANG, Hung-Lin - LEE, Ching-Ting. Performance Enhancement of Inverted Polymer Solar Cells Using Roughened Al-Doped ZnO Nanorod Array. In APPLIED PHYSICS EXPRESS. ISSN 1882-0778, 2012, vol. 5, no. 12, 122302., WOS

ADCA878 ŤAPAJNA, Milan - PÍSEČNÝ, Pavol - LUPTÁK, Roman - HUŠEKOVÁ, 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] KIM, J.W. - KIM, B. - PARK, S.W. - KIM, W. - SHIM, J.H. Atomic layer deposition of ruthenium on plasma-treated vertically aligned carbon nanotubes for high-performance ultracapacitors. In *NANOTECHNOLOGY*. OCT 31 2014, vol. 25, no. 43., WOS

[1.1] NOH, Y. - YOO, K. - KO, M.J. - SONG, O. In *KOREAN JOURNAL OF METALS AND MATERIALS*. MAR 2013, vol. 51, no. 3, p. 239-243., WOS

[1.1] NOH, Y. - YU, B. - YOO, K. - KO, M.J. - SONG, O. In *KOREAN JOURNAL OF METALS AND MATERIALS*. MAR 2012, vol. 50, no. 3, p. 243-247., WOS

[1.1] PARK, J. - NOH, Y. - SONG, O. In *KOREAN JOURNAL OF METALS AND MATERIALS*. AUG 2012, vol. 50, no. 8, p. 557-562., WOS

[1.1] PARK, T. - CHOI, D. - CHOI, H. - JEON, H. In *PHYSICA STATUS SOLIDI A-APPLICATIONS AND MATERIALS SCIENCE*. FEB 2012, vol. 209, no. 2, p. 302-305., WOS

[1.1] PARK, T. - LEE, J. - PARK, J. - JEON, H. - JEON, H. - LEE, K.H. - CHO, B.C. - KIM, M.S. - AHN, H.B. In *JOURNAL OF VACUUM SCIENCE & TECHNOLOGY A*. JAN 2012, vol. 30, no. 1., WOS

[1.1] PARK, T. - LEE, J. - PARK, J. - JEON, H. - JEON, H. In *JAPANESE JOURNAL OF APPLIED PHYSICS*. MAY 2013, vol. 52, no. 5, 4, SI., WOS

[1.1] SCHEUERMANN, A.G. - PRANGE, J.D. - GUNJI, M. - CHIDSEY, C.E.D. - MCINTYRE, P.C. In *ENERGY & ENVIRONMENTAL SCIENCE*. AUG 2013, vol. 6, no. 8, p. 2487-2496., WOS

[1.1] VASILYEV, V.Y. - MOROZOVA, N.B. - IGUMENOV, I.K. Chemical vapour-phase deposition of ruthenium-containing thin films. In *RUSSIAN CHEMICAL REVIEWS*. 2014, vol. 83, no. 8, p. 758-782., WOS

[3] Kumar, B.R., Rao, T.S.: *Inter. J. Pure Appl. Sci Technol.* 4 (2011) 105

ADCA879 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.

Ohlasy:

[1.1] BANSAL, M.-RAJ, K. In *ROMANIAN JOURNAL OF PHYSICS*, vol. 57, 2012, P. 18-35., WOS

[1.1] BISWAS, D.C. In *NUCLEAR INSTRUMENTS AND METHODS A*, 2013, vol. 703, p. 163-167., WOS

[1.1] CAAMANO, M. In *PHYSICAL REVIEW C*, 2013, vol. 88, 024605., WOS

[1.1] MUKHOPADHYAY, S. In *PHYSICAL REVIEW C*, vol. 85, 2012, 064321., WOS

ADCA880 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.

Ohlasy:

[1.1] ISMAIL, M. - SEIF, W. M. - ELLITHI, A. Y. - HASHEM, A. S. (A=10)-Accompanied spontaneous ternary fission of californium isotopes. In CANADIAN JOURNAL OF PHYSICS. ISSN 0008-4204, 2013, vol. 91, no. 5, pp. 401., WOS

[1.1] SANTHOSH, K. P. - KRISHNAN, Sreejith - PRIYANKA, B. Si-34 accompanied ternary fission of Cm-242 in equatorial and collinear configuration. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS. ISSN 0218-3013, 2014, vol. 23, no. 11, 1450071., WOS

[1.1] VIJAYARAGHAVAN, K. R. - BALASUBRAMANIAM, M. - VON OERTZEN, W. Collinear versus triangular geometry: A ternary fission study. In PHYSICAL REVIEW C. ISSN 0556-2813, 2014, vol. 90, no. 2, 024601., WOS

ADCA881 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. - 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. (6.297 - IF1995). ISSN 0031-9007.

Ohlasy:

[1.1] RODRIGUES-GUZMAN, R. In EUROPEAN PHYSICAL JOURNAL A, 2014, vol. 50 no. 9, 142., WOS

[1.1] SINGH, Pardeep. In EUROPEAN PHYSICAL JOURNAL A, 2014, vol. 50, no. 4, 68., WOS

ADCA882 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 ²⁵²Cf: Indication of hyperdeformed ¹⁴⁴, ¹⁴⁵, ¹⁴⁶Ba at Scission. In *Physical Review Letters*, 1996, vol. 77, no. 1, p. 32-35.

Ohlasy:

[1.1] BANSAL, M. In ROMANIAN JOURNAL OF PHYSICS, vol. 57, 2012, p. 18-35., WOS

[1.1] BISWAS, D.C. In NUCLEAR INSTRUMENTS AND METHODS A, 2013, vol. 703, p. 163-167., WOS

[1.1] ICHIKAWA, T. In PHYSICAL REVIEW C, 2013, vol. 87, 054326., WOS

[1.1] JACHIMOWICZ, P. In PHYSICAL REVIEW C, 2013, vol. 87, no. 4, 044308., WOS

- [1.1] KOWAL, M. In PHYSICAL REVIEW C, vol. 85, 2012, 061302., WOS
 [1.1] WANG, T. In NUCLEAR INSTRUMENTS AND METHODS A, 2013, vol. 697, p. 7-12., WOS

ADCA883 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. - 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 0556-2813.

Ohlasy:

- [1.1] MALKIEWICZ, T. - SIMPSON, G. S. - URBAN, W. - GENEVEY, J. - KOESTER, U. - MATERNA, T. - PINSTON, J. A. - RAMDHANE, M. - RZACA-URBAN, T. - THIAMOVA, G. - SMITH, A. G. - AHMAD, I. - GREENE, J. P. Near-yrast structure of odd-A, neutron-rich Pr isotopes. In PHYSICAL REVIEW C. ISSN 0556-2813, 2012, vol. 85, no. 4, 044314., WOS

ADCA884 THURZO, Ilja - POGANY, D. - GMUCOVÁ, Katarína. A novel algorithm for higher-order filtering in DLTS. In *Solid-State Electronics*, 1992, vol. 35, no. 12, p. 1737-1743. (0.850 - IF1991). (1992 - Current Contents). ISSN 0038-1101.

Ohlasy:

- [1.1] CHEN, Xiangyu - TAGUCHI, Dai - MANAKA, Takaaki - IWAMOTO, Mitsumasa. Interfacial charging of copper phthalocyanine/C-60 double-layer organic solar cells induced by photoillumination: Effect of photoconductivity change. In THIN SOLID FILMS. ISSN 0040-6090, 2014, vol. 554, pp. 158-161., WOS

- [1.1] CHEN, Xiangyu - TAGUCHI, Dai - MANAKA, Takaaki - IWAMOTO, Mitsumasa. Interfacial charging originated from the conductivity decrease of C-60 layer in IZO/pentacene/C-60/Al organic double-layer solar cells. In ORGANIC ELECTRONICS. ISSN 1566-1199, 2014, vol. 15, no. 1, pp. 162-168., WOS

- [1.1] CHEN, Xiangyu - TAGUCHI, Dai - MANAKA, Takaaki - IWAMOTO, Mitsumasa. Selective observation of photo-induced electric fields inside different material components in bulk-heterojunction organic solar cell. In APPLIED PHYSICS LETTERS. ISSN 0003-6951, 2014, vol. 104, no. 1, 013306., WOS

- [1.1] CHEN, X.-TAGUCHI, D.-MANAKA, T. In IEICE TRANSACTIONS ON ELECTRONICS, 2013, vol. E96C, no. 3, P. 358-361., WOS

- [1.1] CHEN, X.-TAGUCHI, D.-LEE, K. In JAPANESE JOURNAL OF APPLIED PHYSICS, 2013, vol. 52, no. 4, UNSP 4CR05., WOS

- [1.2] CHEN, X. - TAGUCHI, D. - SHINO, T. - MANAKA, T. - IWAMOTO, M. Analysis of interface carrier accumulation and relaxation in pentacene/C 60 double-layer organic solar cell by impedance spectroscopy and electric-field-induced optical second harmonic generation. In *Journal of Applied Physics*, 2011, vol.110, no.7, 074509., SCOPUS

- [1.2] CHEN, X. - TAGUCHI, D. - LEE, K. - MANAKA, T. - IWAMOTO, M. Analyzing interfacial carrier charging in pentacene/C 60 double-layer organic solar cells by optical electric field induced second-harmonic generation measurement. In *Chemical Physics Letters*, 2011, vol.511, no.4-6, 491-495.,

SCOPUS

[1.2] CHEN, X. - TAGUCHI, D. - MANAKA, T. - IWAMOTO, M.

Analyzing photo-induced interfacial charging in IZO/pentacene/C 60/bathocuproine/Al organic solar cells by electric-field-induced optical second-harmonic generation measurement. In *Journal of Applied Physics*, 2012, 111, 11, 113711., SCOPUS

[1.2] CHEN, X. - TAGUCHI, D. - WEIS, M. - MANAKA, T. - IWAMOTO, M. Analyzing photo induced internal electric field in pentacene/C 60

double-layer organic solar cells under various external voltages by electric-field-induced optical second harmonic generation measurement. In *Japanese Journal of Applied Physics*, 2012, 51, 4 PART 1, 041605., SCOPUS

[1.2] CHEN, X. - TAGUCHI, D. - LEE, K. - MANAKA, T. - IWAMOTO, M. Analysis of anomalous discharging processes in pentacene/C 60 double-layer organic solar cell. In *Japanese Journal of Applied Physics*, 2012, 51, 2 PART 2, 02BK01., SCOPUS

[1.2] TAGUCHI, D. - SHINO, T. - CHEN, X. - ZHANG, L. - LI, J. - WEIS, M. - 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., SCOPUS

[1.2] TAGUCHI, D. - SHINO, T. - CHEN, X. - ZHANG, L. - LI, J. - WEIS, M. - MANAKA, T. - IWAMOTO, M. Determination of lifetime of double-layer CuPc/C 60 organic solar cells by optical electric-field-induced second-harmonic generation measurement. In *Physics Procedia*, 2011, vol.14, 167-171., SCOPUS

ADCA885 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. (1.030 - IF1996). (1997 - Current Contents). ISSN 0169-4332.

Ohlasy:

[1.1] SHIRATORI, Yuta - MIURA, Kensuke - KASAI, Seiya. Programmable nano-switch array using SiN/GaAs interface traps on a GaAs nanowire network for reconfigurable BDD logic circuits. In *MICROELECTRONIC ENGINEERING*, 2011, vol.88, no.8, 2755-2758., WOS

ADCA886 THURZO, Ilja - HRUBČIN, L. - BARTOŠ, J. - PINČÍK, Emil. Current-voltage characteristics and charge dlts spectra of proton-bombarded schottky diodes on semiinsulating gaas. In *Nuclear Instruments and Methods B*, 1993, vol. 83, no. 1-2, p. 145-152. ISSN 0168-583X.

Ohlasy:

[1.1] AYDOGAN, Sakir - SERIFOGLU, K. - TURUT, Abdulmecit. The effect of electron irradiation on the electrical characteristics of the Aniline Blue/n-Si/Al device. In *SOLID STATE SCIENCES*, 2011, vol.13, no.7, 1369., WOS

ADCA887 THURZO, Ilja - BEYER, R. - ZAHN, D.R.T. Experimental evidence for complementary spatial sensitivities of capacitance. In *Semiconductor Science and Technology*, 2000, vol. 15, no. 4, p. 378-385. (1.220 - IF1999). (2000 - Current Contents). ISSN 0268-1242.

Ohlasy:

[1.1] ROTHENBERGER, J.B. A Q-DLTS investigation of aluminium nitride surface termination. In SEMICONDUCTOR SCIENCE AND TECHNOLOGY, 2012, vol. 15, no. 4, pp. 378-385., WOS

ADCA888 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. (1.812 - IF1996). (1997 - Current Contents, SCOPUS). ISSN 0021-8979.

Ohlasy:

[1.1] SIMOEN, E. - FERRO, V. - O&APOS;SULLIVAN, B. J. Deep-level transient spectroscopy of Al/a-Si:H/c-Si structures for heterojunction solar cell applications. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2014, vol. 116, no. 23, 234501., WOS

ADCA889 THURZO, Ilja - ZAHN, D.R.T. - GMUCOVÁ, Katarína - DUA, A.K. Improving the performance of the feedback charge capacitance-voltage method. In *Measurement Science and Technology*, 2003, vol. 14, no. 7, p. 1083-1090.

Ohlasy:

[1.2] POLYAKOV, V.I. - RUKOVISHNIKOV, A.I. - GARIN, B.M. - DRUZ, B. Point defects in chemical-vapor deposited diamond, high-purity semi-insulating SiC, and epitaxial GaN. In ECS Transactions, 2012, 45, 7, pp. 199-207., SCOPUS

ADCA890 THURZO, Ilja - GMUCOVÁ, Katarína - ORLICKÝ, Jozef - PAVLÁSEK, Juraj. Introduction to a kinetics-sensitive double-step volt-coulometry. Juraj Pavlásek. In *Review of Scientific Instruments*, 1999, vol. 70, no. 9, p. 3723-3734. (1.180 - IF1998). (1999 - Current Contents, SCOPUS). ISSN 0034-6748.

Ohlasy:

[3] SCHAUER, F. - NADÁŽDY, V. - LÁNYI, Š. CdS nanoparticles surfactant removal transport study by transient charge measurements. In: PROCEEDINGS OF WORLD RENEWABLE ENERGY CONGRESS 2011, MAY 8-13, 2011, Linköping, Sweden: WREC 2011. ISBN 1650-3686. Linköping: Linköping University Electronic Press, 2011, pp. 2823-2829.

ADCA891 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. (1.630 - IF1997). (1998 - Current Contents, SCOPUS). ISSN 0021-8979.

Ohlasy:

[1.1] SIMOEN, E. - FERRO, V. - O&APOS;SULLIVAN, B. J. Deep-level transient spectroscopy of Al/a-Si:H/c-Si structures for heterojunction solar cell applications. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2014, vol. 116, no. 23, 234501., WOS

[1.2] DARWICH, R. - CABARROCAS, P.R.I. High deposition rate hydrogenated polymorphous silicon characterized by different capacitance techniques. In Thin Solid Films, 2011, vol. 519, no. 16, 5364-5370., SCOPUS

[1.2] DARWICH, R. - ROCA I CABARROCAS, P. Characterization of defects in hydrogenated amorphous silicon deposited on different substrates by capacitance techniques. In *Thin Solid Films*, 2011, vol.519, no.16, 5473-5480., SCOPUS

ADCA892 THURZO, Ilja - GMUCOVÁ, Katarína. Switching between deep-level transient spectroscopy and feedback charge capacitance modes in a versatile time-domain spectrometer. In *Review of Scientific Instruments*, 1994, vol. 65, no. 7, p. 2244-2248. (0.914 - IF1993). (1994 - Current Contents, SCOPUS). ISSN 0034-6748.

Ohlasy:

[1.1] HARTMANOVA, Maria - NADAZDY, Vojtech - KUNDRACIK, Frantisek - MANSILLA, Catina. Influence of deposition conditions on electrical and mechanical properties of Sm₂O₃-doped CeO₂ thin films prepared by EB-PVD (plus IBAD) methods. Part 1: Effective relative permittivity. In *APPLIED SURFACE SCIENCE*. ISSN 0169-4332, 2013, vol. 269, pp. 65-71., WOS

[3] MONTENEGRO, D.E. Chemical sensor using single crystal diamond plates interrogated with charge-based deep-level transient spectroscopy based on the quantum fingerprint tm model: Instrumentation and methodology.THESIS. Nashville: Faculty of the Graduate School University of Missouri, 2011.

ADCA893 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. (1.410 - IF1991). (1992 - Current Contents). ISSN 0268-1242.

Ohlasy:

[1.1] NASHIM, Amtul - MARTHA, Satyabadi - PARIDA, K. M. Heterojunction conception of n-La₂Ti₂O₇/p-CuO in the limelight of photocatalytic formation of hydrogen under visible light. In *RSC ADVANCES*. ISSN 2046-2069, 2014, vol. 4, no. 28, pp. 14633., WOS

[1.1] NASHIM, Amtul - PARIDA, Kulamani. n-La₂Ti₂O₇/p-LaCrO₃: a novel heterojunction based composite photocatalyst with enhanced photoactivity towards hydrogen production. In *JOURNAL OF MATERIALS CHEMISTRY A*. ISSN 2050-7488, 2014, vol. 2, no. 43, pp. 18405., WOS

ADCA894 TIAN, W.D. - MA, Y.G. - CAI, X.Z. - FANG, D.Q. - GUO, W. - SHEN, W.Q. - WANG, K. - WANG, H.W. - VESELSKÝ, Martin. Isospin effect in statistical sequential decay. In *Physical Review C*, 2007, vol. 76, no. 2, 024607. (3.327 - IF2006). (2007 - Current Contents, WOS, SCOPUS). ISSN 0556-2813.

Ohlasy:

[1.1] ZHENG, H. - BONASERA, G. - MABIALA, J. - MARINI, P. - BONASERA, A. Density and temperature in heavy-ion collisions: A test of classical and quantum approaches. In *EUROPEAN PHYSICAL JOURNAL A*. ISSN 1434-6001, 2014, vol. 50, no. 11, 167., WOS

ADCA895 TIBERTO, P. - STANTERO, A. - BARICCO, M. - MAŤKO, Igor - DUHAJ, Pavol. Formation of nanocrystals in amorphous Fe_{73.5}Nb₃Cu₁Si_{13.5}B₉ ribbons. In *Nanostructured Materials*, 1996, vol. 7, no. 6, p. 619-628. ISSN 0965-9773.

Ohlasy:

[1.1] WILLARD, Matthew A. - DANIIL, Maria - BUSCHOW, KHJ. NANOCRYSTALLINE SOFT MAGNETIC ALLOYS TWO DECADES OF PROGRESS. In HANDBOOK OF MAGNETIC MATERIALS, VOL 21. ISSN 1567-2719, 2013, vol. 21, pp. 173-342., WOS

ADCA896 TOADER, T. - GAVRILA, G. - IVANČO, Ján - BRAUN, W. - ZAHN, D.R.T. Controlling geometric and electronic properties of highly ordered CuPc thin films. In *Applied Surface Science*, 2009, vol. 255, no. 15, p. 6806-6808. (2009 - Current Contents). ISSN 0169-4332.

Ohlasy:

[1.1] ARBI, I. - BEN HAMADA, B. - SOUISSI, A. - MENZLI, S. - BEN AZZOUZ, C. - LARIBI, A. - AKREMI, A. - CHEFI, C. Molecular arrangement investigation of copper phthalocyanine grown on hydrogen passivated Si(111) surfaces. In *APPLIED SURFACE SCIENCE*. ISSN 0169-4332, 2014, vol. 305, pp. 396-401., WOS

[1.1] VOGEL, Michael - SCHMITT, Felix - SAUTHER, Jens - BAUMANN, Benedikt - ALTENHOF, Anna - LACH, Stefan - ZIEGLER, Christiane. Photoionization cross-section weighted DFT simulations as promising tool for the investigation of the electronic structure of open shell metal-phthalocyanines. In *ANALYTICAL AND BIOANALYTICAL CHEMISTRY*. ISSN 1618-2642, 2011, vol. 400, no. 3, pp. 673., WOS

[1.1] WANG, Yu-Zhan - CAO, Liang - QI, Dong-Chen - CHEN, Wei - WEE, Andrew T. S. - GAO, Xing-Yu. Tuning the interfacial hole injection barrier between p-type organic materials and Co using a MoO₃ buffer layer. In *JOURNAL OF APPLIED PHYSICS*. ISSN 0021-8979, 2012, vol. 112, no. 3, 033704., WOS

ADCA897 TOADER, T. - GAVRILA, G. - BRAUN, W. - IVANČO, Ján - ZAHN, D.R.T. Valence band fine structure of copper phthalocyanine thin films. Effect of molecular orientation. In *Physica Status Solidi B*, 2009, vol. 246, no. 7, p. 1510-1518. (1.166 - IF2008). (2009 - Current Contents, SCOPUS). ISSN 0370-1972.

Ohlasy:

[1.1] WAGNER, Thorsten - FRITZ, Daniel Roman - ZEPPENFELD, Peter. Standing and flat lying alpha-6T molecules probed by imaging photoelectron spectroscopy. In *ORGANIC ELECTRONICS*, 2011, vol.12, no.3, 442-446., WOS

ADCA898 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.

Ohlasy:

[1.1] GAKH, G. I. - GAKH, A. G. - TOMASI-GUSTAFSSON, E. Polarization observables in lepton-deuteron elastic scattering including the lepton mass. In *PHYSICAL REVIEW C*. ISSN 0556-2813, 2014, vol. 90, no. 6, 064901., WOS

[1.1] LIANG CUI-YING - DONG YU-BING - LIANG WEI-HONG. A Discussion of Deuteron Transverse Charge Densities. In *COMMUNICATIONS IN THEORETICAL PHYSICS*. ISSN 0253-6102, 2014, vol. 62, no. 3, pp. 383-387., WOS

[1.1] LIANG CUI-YING - DONG YU-BING - LIANG WEI-HONG.
Deuteron electromagnetic form factors in transverse plane with a
phenomenological Lagrangian approach. In CHINESE PHYSICS C. ISSN
1674-1137, 2014, vol. 38, no. 7, 074104., WOS

ADCA899 TOMUT, M. - PRIMA, F. - HUENEN, G. - VAUGHAN, G. - YAVARI, A.R.
- ŠVEC, Peter - STONE, I.C. - CANTOR, B. Microstructure evolution of
high-strength AlVFeTi nanoquasicrystalline alloys at elevated temperatures. In
Materials Science and Engineering A, 2004, vol. 375, p. 1239-1245. (1.363 -
IF2003). (2004 - Current Contents, WOS, SCOPUS). ISSN 0921-5093.

Ohlasy:

[1.1] DAM, K.- VOJTECH, D. In MATERIALS SCIENCE AND
ENGINEERING A, 2014, vol. 590, pp. 232-238., WOS

[1.1] STAN, K. et al. In JOURNAL OF ALLOYS AND COMPOUNDS,
2014, vol. 586, SUPPL. 1, pp. S395-S399., WOS

[1.1] STAN, K. In ARCHIVES OF METALLURGY AND MATERIALS,
2013, VOL. 58, no. 2, pp. 341-346., WOS

ADCA900 TRAVĚNEC, Igor - MARKOŠ, Peter. Critical conductance distribution in
various dimensions. In *Physical Review B*, 2002, vol. 65, no. 11, 113109. (3.070 -
IF2001). (2002 - Current Contents, WOS, SCOPUS). ISSN 1098-0121.

Ohlasy:

[1.1] GROVER, Rakhi - SRIVASTAVA, Ritu - KAMALASANAN, M. N. -
MEHTA, D. S. Percolation dominated electron transport in
Tetracyanoquinodimethane mixed 4,7-diphenyl-1,10-phenanthroline thin films.
In ORGANIC ELECTRONICS. ISSN 1566-1199, 2012, vol. 13, no. 12, pp.
3074., WOS

[1.1] MENDEZ-BERMEDEZ, J. A. - ALCAZAR-LOPEZ, A. - VARGA,
Imre. On the generalized dimensions of multifractal eigenstates. In JOURNAL
OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT. ISSN
1742-5468, 2014, P11012., WOS

[1.1] UEOKA, Yoshiki - SLEVIN, Keith. Dimensional Dependence of
Critical Exponent of the Anderson Transition in the Orthogonal Universality
Class. In JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN. ISSN
0031-9015, 2014, vol. 83, no. 8, 084711., WOS

ADCA901 TRAVĚNEC, Igor - ŠAMAJ, Ladislav. High orders of Weyl series for the heat
content. In *Proceedings of Royal Society : A- Mathematical Physical and
Engineering Sciences*, 2011, vol. 467, no. 2133, p. 2479-2499. (1.672 - IF2010).
(2011 - Current Contents). ISSN 1364-5021.

Ohlasy:

[1.1] GILKEY, P. - MIATELLO, R. J. Growth of heat trace coefficients for
locally symmetric spaces. In JOURNAL OF MATHEMATICAL PHYSICS.
ISSN 0022-2488, 2012, vol. 53, no. 10, 103506., WOS

[1.1] VAN DEN BERG, M. - GILKEY, P. Heat content asymptotics with
singular data. In JOURNAL OF PHYSICS A-MATHEMATICAL AND
THEORETICAL. ISSN 1751-8113, 2012, vol. 45, no. 37, 374027., WOS

[1.1] VAN DEN BERG, M. - GILKEY, P. - KANG, H. Neumann heat
content asymptotics with singular initial temperature and singular specific heat.

In JOURNAL OF FIXED POINT THEORY AND APPLICATIONS. ISSN 1661-7738, 2013, vol. 14, no. 1, pp. 267-298., WOS

ADCA902 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] CAO, L. - SCHWARZ, J. M. Level statistics for quantum k-core percolation. In PHYSICAL REVIEW B. ISSN 1098-0121, 2012, vol. 86, no. 6, 064206., WOS

[1.1] UJFALUSI, Laszlo - VARGA, Imre. Quantum percolation transition in three dimensions: Density of states, finite-size scaling, and multifractality. In PHYSICAL REVIEW B. ISSN 1098-0121, 2014, vol. 90, no. 17, 074203., WOS

ADCA903 TRAVĚNEC, Igor - ŠAMAJ, Ladislav. Optimized t-expansion method for the Rabi Hamiltonian. In *Physics Letters A*, 2011, vol. 375, no. 45, p. 4104-4108. (1.963 - IF2010). (2011 - Current Contents). ISSN 0375-9601.

Ohlasy:

[1.1] PENG, Jie - REN, Zhongzhou - GUO, Guangjie - JU, Guoxing - GUO, Xiaoyong. Exact solutions of the generalized two-photon and two-qubit Rabi models. In EUROPEAN PHYSICAL JOURNAL D. ISSN 1434-6060, 2013, vol. 67, no. 8, 162., WOS

[1.1] PENG, Jie - REN, Zhongzhou - BRAAK, Daniel - GUO, Guangjie - JU, Guoxing - ZHANG, Xin - GUO, Xiaoyong. Solution of the two-qubit quantum Rabi model and its exceptional eigenstates. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2014, vol. 47, no. 26, 265303., WOS

ADCA904 TRAVĚNEC, Igor. Solvability of the two-photon Rabi Hamiltonian. In *Physical Review A*, 2012, vol. 85, no. 4, 043805. (2.878 - IF2011). (2012 - Current Contents). ISSN 1050-2947.

Ohlasy:

[1.1] BRAAK, Daniel. Continued fractions and the Rabi model. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2013, vol. 46, no. 17, 175301., WOS

[1.1] DENG, Wen-Wu - LI, Gao-xiang. Influences of counter-rotating wave terms on the trace distance of quantum states in the Rabi model. In JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS. ISSN 0953-4075, 2013, vol. 46, no. 3, 035505., WOS

[1.1] DENG, Wen-Wu - LI, Gao-Xiang. Emission spectrum of a qubit in Rabi model in strong coupling regime. In EUROPEAN PHYSICAL JOURNAL D. ISSN 1434-6060, 2013, vol. 67, no. 4, 91., WOS

[1.1] DOSSA, Anselme F. - AVOSSEVOU, Gabriel Y. H. Full spectrum of the two-photon and the two-mode quantum Rabi models. In JOURNAL OF MATHEMATICAL PHYSICS. ISSN 0022-2488, 2014, vol. 55, no. 10, 102104., WOS

[1.1] GARDAS, Bartłomiej - DAJKA, Jerzy. Multi-photon Rabi model: Generalized parity and its applications. In PHYSICS LETTERS A. ISSN 0375-9601, 2013, vol. 377, no. 44, pp. 3205., WOS

[1.1] CHEN, Qing-Hu - WANG, Chen - HE, Shu - LIU, Tao - WANG,

Ke-Lin. Exact solvability of the quantum Rabi model using Bogoliubov operators. In PHYSICAL REVIEW A. ISSN 1050-2947, 2012, vol. 86, no. 2, 023822., WOS

[1.1] LO, C. F. Comment on: "Multi-photon Rabi model: Generalized parity and its applications" by B. Gardas and J. Dajka [Phys. Lett. A 377 (2013) 3205]. In PHYSICS LETTERS A. ISSN 0375-9601, 2014, vol. 378, no. 28-29, pp. 1969., WOS

[1.1] LO, C. F. Comment on 'Initial states of qubit-environment models leading to conserved quantities'. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2014, vol. 47, no. 16, 168001., WOS

[1.1] LO, C. F. The two-mode multi-photon intensity-dependent Rabi model. In EUROPEAN PHYSICAL JOURNAL D. ISSN 1434-6060, 2014, vol. 68, no. 6, 173., WOS

[1.1] MACIEJEWSKI, Andrzej J. - PRZYBYLSKA, Maria - STACHOWIAK, Tomasz. Analytical method of spectra calculations in the Bargmann representation. In PHYSICS LETTERS A. ISSN 0375-9601, 2014, vol. 378, no. 46, pp. 3445., WOS

[1.1] PENG, Jie - REN, Zhongzhou - GUO, Guangjie - JU, Guoxing - GUO, Xiaoyong. Exact solutions of the generalized two-photon and two-qubit Rabi models. In EUROPEAN PHYSICAL JOURNAL D. ISSN 1434-6060, 2013, vol. 67, no. 8, 162., WOS

[1.1] PENG, Jie - REN, Zhongzhou - BRAAK, Daniel - GUO, Guangjie - JU, Guoxing - ZHANG, Xin - GUO, Xiaoyong. Solution of the two-qubit quantum Rabi model and its exceptional eigenstates. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2014, vol. 47, no. 26, 265303., WOS

[1.1] WANG, Hui - HE, Shu - DUAN, Liwei - ZHAO, Yang - CHEN, Qing-Hu. Solutions to the quantum Rabi model with two equivalent qubits. In EPL. ISSN 0295-5075, 2014, vol. 106, no. 5, 54001., WOS

[1.1] ZHANG, Yao-Zhong. On the solvability of the quantum Rabi model and its 2-photon and two-mode generalizations. In JOURNAL OF MATHEMATICAL PHYSICS. ISSN 0022-2488, 2013, vol. 54, no. 10, 102104., WOS

[1.1] ZHANG, Yao-Zhong. Solving the two-mode squeezed harmonic oscillator and the kth-order harmonic generation in Bargmann-Hilbert spaces. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2013, vol. 46, no. 45, 455302., WOS

[1.1] ZHONG, Honghua - XIE, Qiongtao - BATCHELOR, Murray T. - LEE, Chaohong. Analytical eigenstates for the quantum Rabi model. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2013, vol. 46, no. 41, 415302., WOS

[1.1] ZHONG, Honghua - XIE, Qiongtao - GUAN, Xiwen - BATCHELOR, Murray T. - GAO, Kelin - LEE, Chaohong. Analytical energy spectrum for hybrid mechanical systems. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2014, vol. 47, no. 4, 045301., WOS

ADCA905 TRAVĚNEC, Igor. Universal conductance fluctuations in noninteger dimensions. In *Physical Review B*, 2004, vol. 69, no. 3, p. 033104.

Ohlasy:

[1.1] FEILHAUER, J. - MOSKO, M. Conductance and persistent current in quasi-one-dimensional systems with grain boundaries: Effects of the strongly reflecting and columnar grains. In *PHYSICAL REVIEW B*, 2011, vol.84, no.8, 085454., WOS

ADCA906 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. (0.701 - IF2000). (2001 - Current Contents). ISSN 0022-2461.

Ohlasy:

[1.1] CAI, Jun - LI, Fuguo - LIU, Taiying - CHEN, Bo. Microindentation study of Ti-6Al-4V alloy. In *MATERIALS & DESIGN*, 2011, vol.32, no.5, 2756., WOS

[1.1] CAI, Jun - LI, Fuguo - LIU, Taiyin - CHEN, Bo. Investigation of mechanical behavior of quenched Ti-6Al-4V alloy by microindentation. In *MATERIALS CHARACTERIZATION*, 2011, vol.62, no.3, 287., WOS

ADCA907 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. (1.080 - IF1998). (1999 - Current Contents).

Ohlasy:

[1.1] HU, L. - CHEN, J. - PAN, Z. - DENG, J.X. - YU, R.B. - XING, X.R. Large-Scale Synthesis of Isotropic Single-Crystalline ScF₃ Cubes by Hydrothermal Method. In *JOURNAL OF THE AMERICAN CERAMIC SOCIETY*. MAY 2014, vol. 97, no. 5, p. 1386-1388., WOS

[1.1] HU, L. - CHEN, J. - FAN, L.L. - DENG, J.X. - YU, R.B. - XING, X.R. Rapid Molten Salt Synthesis of Isotropic Negative Thermal Expansion ScF₃. In *JOURNAL OF THE AMERICAN CERAMIC SOCIETY*. APR 2014, vol. 97, no. 4, p. 1009-1011., WOS

ADCA908 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] CURTZWILER, Greg - EARLY, Mark - GOTTSCHALK, Diana - KONECKI, Christina - PETERSON, Robert - WAND, Steven - RAWLINS, James W. The World of Surface Coatings Is Centered Around the Glass Transition Temperature, But Which One? Part I. In *JCT COATINGSTECH*. ISSN 1547-0083, 2014, vol. 11, no. 8, pp. 28., WOS

[1.1] CURTZWILLER, Greg - EARLY, Mark - GOTTSCHALK, Diana - KONECKI, Christina - PETERSON, Robert - WAND, Steven - RAWLINS, James W. The World of Surface Coatings Is Centered Around the Glass Transition Temperature, But Which One? Part 2. In *JCT COATINGSTECH*. ISSN 1547-0083, 2014, vol. 11, no. 9, pp. 40., WOS

[1.1] HUANG, Feifei - GUO, Yanyan - MA, Yaoyao - HU, Lili - ZHANG, Junjie. 2.7 μm Emission properties of Er³⁺ doped fluorozirconate glass. In

GLASS PHYSICS AND CHEMISTRY. ISSN 1087-6596, 2014, vol. 40, no. 3, pp. 277., WOS

ADCA909 TURANSKÝ, Robert - KONÔPKA, M. - DOLTSINIS, N.L. - ŠTICH, 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. (3.453 - IF2009). ISSN 1439-7641.

Ohlasy:

[1.1] FANG, G. J. - MACLENNAN, J. E. - YI, Y. - GLASER, M. A. - FARROW, M. - KORBLOVA, E. - WALBA, D. M. - FURTAK, T. E. - CLARK, N. A. Athermal photofluidization of glasses. In *NATURE COMMUNICATIONS*. ISSN 2041-1723, 2013, vol. 4, 1521., WOS

[1.1] FUENTES, Noelia - MARTIN-LASANTA, Ana - ALVAREZ DE CIENFUEGOS, Luis - RIBAGORDA, Maria - PARRA, Andres - CUERVA, Juan M. Organic-based molecular switches for molecular electronics. In *NANOSCALE*, 2011, vol.3, no.10, p. 4003-4014., WOS

[1.1] SUN, Mengtao - XU, Hongxing. A Novel Application of Plasmonics: Plasmon-Driven Surface-Catalyzed Reactions. In *SMALL*. ISSN 1613-6810, 2012, vol. 8, no. 18, pp. 2777., WOS

[1.1] ZAPATA, Felipe - ANGEL FERNANDEZ-GONZALEZ, Miguel - RIVERO, Daniel - ALVAREZ, Angel - MARAZZI, Marco - MANUEL FRUTOS, Luis. Toward an Optomechanical Control of Photoswitches by Tuning Their Spectroscopical Properties: Structural and Dynamical Insights into Azobenzene. In *JOURNAL OF CHEMICAL THEORY AND COMPUTATION*. ISSN 1549-9618, 2014, vol. 10, no. 1, pp. 312-323., WOS

ADCA910 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. (4.116 - IF2009). (2010 - Current Contents). ISSN 1463-9076.

Ohlasy:

[1.1] BANDARA, H. M. Dhammika - BURDETTE, Shawn C. Photoisomerization in different classes of azobenzene. In *CHEMICAL SOCIETY REVIEWS*. ISSN 0306-0012, 2012, vol. 41, no. 5, pp. 1809., WOS

[1.1] BANDARA, H. M. Dhammika - BASA, Prem N. - YAN, Jingjing - CAMIRE, Casey E. - MACDONALD, John C. - JACKSON, Randy K. - BURDETTE, Shawn C. Systematic Modulation of Hydrogen Bond Donors in Aminoazobenzene Derivatives Provides Further Evidence for the Concerted Inversion Photoisomerization Pathway. In *EUROPEAN JOURNAL OF ORGANIC CHEMISTRY*. ISSN 1434-193X, 2013, vol., no. 22, pp. 4794., WOS

[1.1] KUCHARSKI, Timothy J. - BOULATOV, Roman. The physical chemistry of mechanoresponsive polymers. In *JOURNAL OF MATERIALS CHEMISTRY*, 2011, vol.21, no.23, 8237., WOS

[1.1] KUMAR, Amit - PANDEY, Rampal - GUPTA, Rakesh Kumar - MISHRA, Veenu - MOBIN, Shaikh M. - PANDEY, Daya Shankar. Swift photoswitching in a binuclear Zn(II) metallacycle relative to a salen-type ligand. In *DALTON TRANSACTIONS*. ISSN 1477-9226, 2014, vol. 43, no. 17, pp. 6365-6376., WOS

- [1.1] PIPOLO, Silvio - BENASSI, Enrico - BRANCOLINI, Giorgia - VALASEK, Michal - MAYOR, Marcel - CORNI, Stefano. First-principle-based MD description of azobenzene molecular rods. In THEORETICAL CHEMISTRY ACCOUNTS. ISSN 1432-881X, 2012, vol. 131, no. 10, 1274., WOS
- [1.1] RIVERO, Daniel - ANGEL FERNANDEZ-GONZALEZ, Miguel - FRUTOS, Luis Manuel. Tuning molecular excitation energy with external forces. In COMPUTATIONAL AND THEORETICAL CHEMISTRY. ISSN 2210-271X, 2014, vol. 1040, pp. 106-111., WOS
- [1.1] SPANGENBERG, Arnaud - METIVIER, Remi - YASUKUNI, Ryohei - SHIBATA, Kunihiro - BROSSEAU, Arnaud - GRAND, Johan - AUBARD, Jean - YU, Pei - ASAH, Tsuyoshi - NAKATANI, Keitaro. Photoswitchable interactions between photochromic organic diarylethene and surface plasmon resonance of gold nanoparticles in hybrid thin films. In PHYSICAL CHEMISTRY CHEMICAL PHYSICS. ISSN 1463-9076, 2013, vol. 15, no. 24, pp. 9670., WOS
- [1.1] SURAMPUDI, Sravan K. - PATEL, Harik R. - NAGARJUNA, G. - VENKATARAMAN, D. Mechano-isomerization of azobenzene. In CHEMICAL COMMUNICATIONS. ISSN 1359-7345, 2013, vol. 49, no. 68, pp. 7519., WOS
- [1.1] WANG, Le-Jia - YONG, Ai - ZHOU, Kai-Ge - TAN, Lin - YE, Jian - WU, Guo-Ping - XU, Zhu-Guo - ZHANG, Hao-Li. Conformation-Controlled Electron Transport in Single-Molecule Junctions Containing Oligo(phenylene ethynylene) Derivatives. In CHEMISTRY-AN ASIAN JOURNAL. ISSN 1861-4728, 2013, vol. 8, no. 8, pp. 1901., WOS
- [1.1] ZAPATA, Felipe - ANGEL FERNANDEZ-GONZALEZ, Miguel - RIVERO, Daniel - ALVAREZ, Angel - MARAZZI, Marco - MANUEL FRUTOS, Luis. Toward an Optomechanical Control of Photoswitches by Tuning Their Spectroscopical Properties: Structural and Dynamical Insights into Azobenzene. In JOURNAL OF CHEMICAL THEORY AND COMPUTATION. ISSN 1549-9618, 2014, vol. 10, no. 1, pp. 312-323., WOS
- [1.1] ZHANG, Yuanyuan - MA, Ying - SUN, Junqi. Reversible Actuation of Polyelectrolyte Films: Expansion-Induced Mechanical Force Enables cis-trans Isomerization of Azobenzenes. In LANGMUIR. ISSN 0743-7463, 2013, vol. 29, no. 48, pp. 14919., WOS

ADCA911 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.

Ohlasy:

- [1.1] CHUDZIK, Stanislaw. Measurement of thermal diffusivity of insulating material using an artificial neural network. In MEASUREMENT SCIENCE & TECHNOLOGY. ISSN 0957-0233, 2012, vol. 23, no. 6, 065602., WOS
- [1.1] KWON, Su Yong - LEE, Sanghyun. Precise measurement of thermal conductivity of liquid over a wide temperature range using a transient hot-wire technique by uncertainty analysis. In THERMOCHIMICA ACTA. ISSN 0040-6031, 2012, vol. 542, pp. 18., WOS
- [1.1] OCHSNER, A.-MURCH, G.E. Heat transfer in polyolefin foams. In ADVANCED STRUCTURED MATERIALS, 2011, P. 131-161., WOS
- [1.1] TIAN, Mingwei - ZHU, Sukang - PAN, Ning. Measuring the

thermophysical properties of porous fibrous materials with a new unsteady-state method. In *JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY*. ISSN 1388-6150, 2012, vol. 107, no. 1, pp. 395., WOS

- ADCA912 UEDA, H. - GENDIAR, Andrej - NISHINO, T. A classical background for the wave function prediction in the infinite system density matrix renormalization group method. In *Journal of the Physical Society of Japan*, 2010, vol. 79, no. 4, 044001. (2.572 - IF2009). (2010 - Current Contents). ISSN 0031-9015.

Ohlasy:

[1.2] CAI, J.-W. - CHEN, Q.-N. - ZHAO, H.-H. - XIE, Z.-Y. - QIN, M.-P. - WEI, Z.-C. - XIANG, T. Translation invariant tensor product states in a finite lattice system. In *Chinese Physics B*, 2011, vol.20, no.11., SCOPUS

[1.2] SCHOLLWÖCK, U. The density-matrix renormalization group in the age of matrix product states. In *Annals of Physics*, 2011, vol.326, no.1, 96-192., SCOPUS

- ADCA913 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] FEIGUIN, A.E. In *LECTURES ON THE PHYSICS OF STRONGLY CORRELATED SYSTEMS XV: FIFTEENTH TRAINING COURSE IN THE PHYSICS OF STRONGLY CORRELATED SYSTEMS*. 2011, vol. 1419, p. 5-92., WOS

[1.1] ORUS, R. In *EUROPEAN PHYSICAL JOURNAL B*. NOV 26 2014, vol. 87, no. 11., WOS

[1.1] PIRVU, B. - VERSTRAETE, F. - VIDAL, G. In *PHYSICAL REVIEW B*. MAR 17 2011, vol. 83, no. 12., WOS

[1.1] SCHOLLWOCK, U. In *ANNALS OF PHYSICS*. JAN 2011, vol. 326, no. 1, SI, p. 96-192., WOS

[1.1] SCHOLLWOCK, U. In *LECTURES ON THE PHYSICS OF STRONGLY CORRELATED SYSTEMS XVI*. 2012, vol. 1485, p. 135-225., WOS

- ADCA914 ULYANENKOV, A. - CHROST, J. - ŠIFFALOVIČ, Peter - CHITU, Livia - MAJKOVÁ, Eva - ERLACHER, K. - GUERALT, 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. (1.458 - IF2010). (2011 - Current Contents). ISSN 1862-6300.

Ohlasy:

[1.1] VALES, Vaclav - VEJPRAVOVA, Jana - PACAKOVA, Barbara - HOLY, Vaclav - BERNSTORFF, Sigrid - KALBAC, Martin. Self-ordering of iron oxide nanoparticles covered by graphene. In *PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS*. ISSN 0370-1972, 2014, vol. 251, no. 12, pp. 2499., WOS

[1.1] VALMIANSKI, Ilya - MONTON, Carlos - SCHULLER, Ivan K. Microscopy image segmentation tool: Robust image data analysis. In *REVIEW OF SCIENTIFIC INSTRUMENTS*. ISSN 0034-6748, 2014, vol. 85, no. 3, 033701., WOS

ADCA915 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. (3.600 - IF2008). (2009 - Current Contents, WOS, SCOPUS). ISSN 0949-8257.

Ohlasy:

[1.1] PATILA, Michaela - PAVLIDIS, Ioannis V. - DIAMANTI, Evmorfia K. - KATAPODIS, Petros - GOURNIS, Dimitrios - STAMATIS, Haralampos. Enhancement of cytochrome c catalytic behaviour by affecting the heme environment using functionalized carbon-based nanomaterials. In *PROCESS BIOCHEMISTRY*, 2013, vol. 48, no. 7, p. 1010-1017., WOS

[1.1] TANG, S.S. - WANG, W.J. - CHEN, X.W. - WANG, J.H. Fluoridized iron phosphate as a novel adsorbent for selective separation/isolation of cytochrome c. In *ANALYTICAL AND BIOANALYTICAL CHEMISTRY*. DEC 2011, vol. 401, no. 10, p. 3283-3292., WOS

ADCA916 VAN ELZAKKER, G. - NÁDAŽDY, Vojtech - TICHELAAR, F.D. - METSELAAR, J.W. - ZEMAN, Milan. Analysis of structure and defects in thin silicon films deposited from hydrogen diluted silane. In *Thin Solid Films*, 2006, vol. 511, p. 252-257. (2006 - Current Contents). ISSN 0040-6090.

Ohlasy:

[1.1] GOH, Boon Tong - NGOI, Siew Kien - YAP, Seong Ling - WONG, Chiow San - RAHMAN, Saadah Abdul. Effect of energetic ion beam irradiation on structural and optical properties of a-Si:H thin films. In *THIN SOLID FILMS*. ISSN 0040-6090, 2013, vol. 529, pp. 159., WOS

[1.1] LEE, Sangsoo - SON, Yong-Hoon - PARK, Yongjo - HWANG, Kihyun - SHIN, Yoo Gyun - YOON, Euijoon. Ge surface-energy-driven secondary grain growth via two-step annealing. In *THIN SOLID FILMS*. ISSN 0040-6090, 2014, vol. 571, pp. 108., WOS

[1.1] MUELLEROVA, Jarmila - FISCHER, Marinus - NETRVALOVA, Marie - ZEMAN, Miro - SUTTA, Pavel. Influence of deposition temperature on amorphous structure of PECVD deposited a-Si:H thin films. In *CENTRAL EUROPEAN JOURNAL OF PHYSICS*, 2011, vol.9, no.5, 1301., WOS

[1.1] MULLER, T. F. G. - ARENDSE, C. J. - HALINDINTWALI, S. - KNOESEN, D. - SCHROPP, R. E. I. Thermal annealing of protocrystalline a-Si:H. In *THIN SOLID FILMS*, 2011, vol.519, no.14, 4462., WOS

[1.1] PIRC, Matija - TOPIC, Marko. Electroabsorption Modeling in Hydrogenated Amorphous Silicon. In *IEEE TRANSACTIONS ON ELECTRON DEVICES*. ISSN 0018-9383, 2013, vol. 60, no. 12, pp. 3973., WOS

ADCA917 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. (1.316 - IF2011). (2012 - Current Contents). ISSN 0370-1972.

Ohlasy:

[1.1] BO, Zheng - MA, Wei - WANG, Pengxiang - WU, Erka - YANG, Weicheng - YU, Kehan - ZHANG, Xiaopeng - YAN, Jianhua - CEN, Kefa. Multi-pin dc glow discharge PECVD for uniform growth of vertically oriented

graphene at atmospheric pressure. In *PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS*. ISSN 0370-1972, 2014, vol. 251, no. 1, pp. 155., WOS

[1.1] HOLZ, T. - MATA, D. - SANTOS, N. F. - BDIKIN, I. - FENANDES, A. J. S. - COSTA, F. M. Stiff Diamond/Buckypaper Carbon Hybrids. In *ACS APPLIED MATERIALS & INTERFACES*. ISSN 1944-8244, 2014, vol. 6, no. 24, pp. 22649., WOS

[1.1] ZHANG, Xiuyan - WU, Erka - HU, Dan - BO, Zheng - ZHU, Weiguang - YU, Kehan - YU, Chao - WANG, Zhihua - YAN, Jianhua - CEN, Kefa. Highly-branched vertically-oriented graphene nanosheets with dense open graphitic edge planes as Pt support for methanol oxidation. In *PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS*. ISSN 0370-1972, 2014, vol. 251, no. 4, pp. 829., WOS

ADCA918 VÉGSO, Karol - ŠIFFALOVIČ, Peter - BENKOVIČOVÁ, Monika - JERSEL, 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. (3.979 - IF2011). (2012 - Current Contents, WOS, SCOPUS). ISSN 0957-4484.

Ohlasy:

[1.1] DYADKINA, E. A. - VOROBIEV, A. A. - UKLEEV, V. A. - LOTT, D. - SITNIKOV, A. V. - KALININ, Yu. E. - GERASHCHENKO, O. V. - GRIGORIEV, S. V. Morphology and the Magnetic and Conducting Properties of Heterogeneous Layered Magnetic Structures [(Co₄₅Fe₄₅Zr₁₀)(35)(Al₂O₃)(65)/a-Si:H](36). In *JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS*. ISSN 1063-7761, 2014, vol. 118, no. 3, pp. 410., WOS

ADCA919 VÉGSO, Karol - ŠIFFALOVIČ, Peter - WEIS, Martin Jr. - JERSEL, 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. (1.458 - IF2010). (2011 - Current Contents). ISSN 1862-6300.

Ohlasy:

[1.1] KOERSTGENS, Volker - PHILIPP, Martine - MAGERL, David - NIEDERMEIER, Martin A. - SANTORO, Gonzalo - ROTH, Stephan V. - MUELLER-BUSCHBAUM, Peter. Following initial changes in nanoparticle films under laminar flow conditions with in situ GISAXS microfluidics. In *RSC ADVANCES*. ISSN 2046-2069, 2014, vol. 4, no. 3, pp. 1476., WOS

ADCA920 VÉGSO, Karol - ŠIFFALOVIČ, Peter - MAJKOVÁ, Eva - JERSEL, 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, p. 10409-10414. (4.186 - IF2011). (2012 - Current Contents). ISSN 0743-7463.

Ohlasy:

[1.1] BHATTACHARYA, R. In *JOURNAL OF COLLOID AND INTERFACE SCIENCE*, 2013, vol. 396, pp. 69-74., WOS

- [1.1] GAO, Y. In LANGMUIR, 2013, vol. 29, pp. 3654-3661., WOS
- [1.1] LAI, Y.H. In RSC ADVANCES, 2013, vol. 3, pp. 3270-3283., WOS
- [1.1] ORSI, D. et al. In PHYSICAL REVIEW E, 2014, vol. 89, no. 4, 042308., WOS
- [1.1] VALES, V. et al. In PHYSICA STATUS SOLIDI B, 2014, vol. 251, no. 12, pp. 2499-2504., WOS
- [1.1] YOU, S.S. In LANGMUIR, 2013, vol. 26, pp. 11751-11757., WOS

ADCA921 VÉGSO, Karol - ŠIFFALOVIČ, 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. (4.186 - IF2011). (2012 - Current Contents). ISSN 0743-7463.

Ohlasy:

- [1.1] DAI, Yeling - LIN, Binhua - MERON, Mati - KIM, Kyungil - LEAHY, Brian - WITTEN, Thomas A. - SHPYRKO, Oleg G. Synchrotron X-ray Studies of Rapidly Evolving Morphology of Self-Assembled Nanoparticle Films under Lateral Compression. In LANGMUIR. ISSN 0743-7463, 2013, vol. 29, no. 46, pp. 14050., WOS
- [1.1] FUJIMORI, A. et al. In COLLOIDS AND SURFACES A, 2014, vol. 446, pp. 109-117., WOS
- [3] LAI, Y.H. at all. Interplay of formation kinetics for highly oriented and mesostructured silicate-surfactant films at the air-water interface. In RSC ADVANCES, 2013, vol. 3, pp. 3270-3283.

ADCA922 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 (246)Fm at SHIP. In *European Physical Journal A*, 2011, vol. 47, no. 2, 20. (2.592 - IF2010). (2011 - Current Contents). ISSN 1434-6001.

Ohlasy:

- [1.1] BROWNE, E.-TULI, J.K. In NUCLEAR DATA SHEETS, 2011, vol. 112, p. 1833-1873., WOS
- [1.1] KUZMINA, A.N. Influence of proton shell closure on production. In PHYSICAL REVIEW C, 2012, vol. 85, 014319., WOS
- [1.1] NI, D.-REN, Z. In PHYSICAL REVIEW C, 2011, vol. 83, 067302., WOS
- [1.1] REN, Z.- NI, D. In FEW-BODY SYSTEMS, 2013, vol. 54, no. 7-10, pp. 1413-1416., WOS

ADCA923 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, p. 101. (2.190 - IF2011). (2012 - Current Contents). ISSN 1434-6001.

Ohlasy:

[1.1] QIAN, Yibin - REN, Zhongzhou. Systematic calculations of a decay properties based on results from recent experiments. In *PHYSICAL REVIEW C*. ISSN 0556-2813, 2013, vol. 88, no. 4, 044329., WOS

ADCA924 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. (1.950 - IF2005). (2006 - Current Contents, WOS, SCOPUS). ISSN 0375-9474.

Ohlasy:

[1.1] HOVHANNISYAN, G. H. - DANAGULYAN, A. S. - BALABEKYAN, A. R. - DEMEKHINA, N. A. - ADAM, J. - KALINNIKOV, V. G. - PRONSKIKH, V. S. Formation of Close-to-Target Products in Reactions Induced by C-12 Ions on Tin Isotopes at the Energy of 2.2 GeV per Nucleon. In *PHYSICS OF ATOMIC NUCLEI*. ISSN 1063-7788, 2012, vol. 75, no. 2, pp. 136., WOS

ADCA925 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. (2.708 - IF2003). (2004 - Current Contents, SCOPUS). ISSN 0556-2813.

Ohlasy:

[1.1] KOLOMIETZ, V. M. - SANZHUR, A. I. THIN STRUCTURE OF beta-STABILITY LINE AND SYMMETRY ENERGY. In *INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS*. ISSN 0218-3013, 2013, vol. 22, no. 1., WOS

[1.1] TIAN WENDONG - MA YUGANG - CAI XIANGZHOU - FANG DEQING - WANG HONGWEI - WU HONGLI. Isospin and symmetry energy study in nuclear EOS. In *SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY*, 2011, vol.54, S141., WOS

[1.1] ZHOU PEI - TIAN WEN-DONG - MA YU-GANG - CAI XIANG-ZHOU - FANG DE-QING - WANG HONG-WEI. The influence of Multi-Step Sequential Decay on Isoscaling and Fragment Isospin Distribution in GEMINI Simulation. In *CHINESE PHYSICS LETTERS*, 2011, vol.28, no.6., WOS

[1.1] ZHOU, P. - TIAN, W. D. - MA, Y. G. - CAI, X. Z. - FANG, D. Q. - WANG, H. W. Influence of statistical sequential decay on isoscaling and symmetry energy coefficient in a GEMINI simulation. In *PHYSICAL REVIEW C*, 2011, vol.84, no.3., WOS

ADCA926 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. (1.986 - IF2010). (2011 - Current Contents, WOS, SCOPUS). ISSN 0375-9474.

Ohlasy:

[1.2] SIVÁEK, I. - SIVÁEK, I. - KLIMAN, J. - KLIMAN, J. - RODIN, A. M. - KRUPA, L. - KRUPA, L. - BELOZEROV, A. V. - PODSHIBYAKIN, A. V. - SALAMATIN, V. S. - STEPANTSOV, S. V. - VEDENEEV, V. Yu. Possibilities of research for on-line mass separator with heavy ion reactions. In

- ADCA927 VESELSKÝ, Martin. Production mechanism of hot nuclei in violent collisions in the Fermi energy domain. In *Nuclear Physics A*, 2002, vol. 705, no. 1-2, p. 193-222. (6.226 - IF2001). (2002 - Current Contents, SCOPUS). ISSN 0550-3213.

Ohlasy:

[1.1] HOVHANNISYAN, G.H. Formation of close-to-target products. In *PHYSICS OF ATOMIC NUCLEI*, 2012, vol. 75, no. 2, pp. 136-142., WOS

[1.1] MASHNIK, Stepan G. - KERBY, Leslie M. MCNP6 fragmentation of light nuclei at intermediate energies. In *NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT*. ISSN 0168-9002, 2014, vol. 764, pp. 59-81., WOS

[1.1] TITARENKO Yu.E. Verification of high-energy transport codes. In *PHYSICAL REVIEW C*, 2011, vol. 84, 064612., WOS

- ADCA928 VESELSKÝ, Martin - MA, Y.G. Symmetry energy and nucleon-nucleon cross sections. In *Physical Review C*, 2013, vol. 87, no. 3, 034615. (3.715 - IF2012). (2013 - Current Contents, WOS, SCOPUS). ISSN 0556-2813.

Ohlasy:

[1.1] PAPAZOGLU, M. C. - MOUSTAKIDIS, Ch. C. Effects of the symmetry energy on the isovector properties of neutron-rich nuclei within a Thomas-Fermi approach. In *PHYSICAL REVIEW C*. ISSN 0556-2813, 2014, vol. 90, no. 1, 014305., WOS

- ADCA929 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] ABDALLA, M. Sebawe - OBADA, A.S. F. - KHALIL, E. M. - MOHAMED, A.B. A. Entanglement of a cavity field interacting with a superconducting charge qubit. In *PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS*. ISSN 2050-3911, 2013, no. 8, 083A01., WOS

- ADCA930 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. (0.897 - IF2000). (2001 - Current Contents, WOS, SCOPUS). ISSN 0921-5093.

Ohlasy:

[1.1] LIU, C. T. - GREER, A. Lindsay - SCHUH, Christopher A. Physical Properties. In *BULK METALLIC GLASSES*, 2011, P. 265-306., WOS

- ADCA931 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. (1.195 - IF1999). (2000 - Current Contents, WOS, SCOPUS). ISSN 0304-8853.

Ohlasy:

[1.1] ZIVOTSKY, Ondrej - HENDRYCH, Ales. Influence of Tensile Stress on the Surface Magneto-Optical Hysteresis Loops in Amorphous and

(Nano)Crystalline Ribbons. In IEEE TRANSACTIONS ON MAGNETICS. ISSN 0018-9464, 2014, vol. 50, no. 4, 2002804., WOS

[1.1] ZIVOTSKY, O. - TITOV, A. - JIRASKOVA, Y. - BURSIK, J. - KALBACOVA, J. - JANICKOVIC, D. - SVEC, P. Full-scale magnetic, microstructural, and physical properties of bilayered CoSiB/FeSiB ribbons. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2013, vol. 581, pp. 685-692., WOS

ADCA932 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, sp. no. SI, p. 225-227.

Ohlasy:

[1.1] CHANDRASEKHAR, S. B. - PRABHU, D. - GOPINATH, M. - CHANDRASEKARAN, V. - RAMAKRISHNA, M. - UMA, V. - GOPALAN, R. High saturation magnetization in Fe-0.4 wt% P alloy processed by a two-step heat treatment. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2013, vol. 345, pp. 239-242., WOS

[1.1] WILLARD, Matthew A. - DANIIL, Maria - BUSCHOW, KHJ. NANOCRYSTALLINE SOFT MAGNETIC ALLOYS TWO DECADES OF PROGRESS. In HANDBOOK OF MAGNETIC MATERIALS, VOL 21. ISSN 1567-2719, 2013, vol. 21, pp. 173-342., WOS

ADCA933 VLASÁK, Gabriel - ŠVEC, Peter - KUZMINSKI, M. - SLAWSKA-WANIEWSKA, A. - BUTVINOVÁ, 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. (2.138 - IF2010). (2011 - Current Contents). ISSN 0925-8388.

Ohlasy:

[3] SITEK, J.- SEDLAČKOVÁ, K.- DEKAN, J. Some applications of Mossbauer spectroscopy. In JOURNAL OF PHYSICAL SCIENCE AND APPLICATION, 2013, vol. 3, no. 5, pp. 295-300.

ADCA934 VLASÁK, Gabriel - PAVÚK, M. - MRAFKO, Peter - JANIČKOVIČ, Dušan - ŠVEC, Peter - BUTVINOVÁ, Beata. Influence of heat treatment on magnetostrictions and electrical properties of (Fe₁Co₁)₇₆Mo₈Cu₁B_x₁₅. In *Journal of Magnetism and Magnetic Materials*, 2008, vol. 320, no. 20, e837-e840. (1.704 - IF2007). (2008 - Current Contents, SCOPUS). ISSN 0304-8853.

Ohlasy:

[1.1] KLEIN, P. Study of domain structure. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, 2011, vol. 323, p. 3265., WOS

[1.1] KLEIN, P.-VARGA, R.-INFANTE, G.-VAZQUEZ, M. Ferromagnetic resonance study of FeCoMoB microwires during devitrification process. In JOURNAL OF APPLIED PHYSICS, 2012, vol. 111, no.5, 053920., WOS

[1.2] MICHALIK, S.-GAMCOVA, J.-BEDNARCIK, J.-VARGA, R. In situ structural investigation. In JOURNAL OF ALLOYS AND COMPOUNDS, 2011, vol. 509, no. 7, p. 3409-3412., SCOPUS

- ADCA935 VLASÁK, Gabriel - DUHAJ, Pavol - ŠVEC, Peter. Magnetostriction of heat-treated Fe_{73.5}Cu₁Nb₃Si_{13.5}B₉. In *Journal of Magnetism and Magnetic Materials*, 1995, vol. 140, p. 443-444. (1.063 - IF1994). (1995 - Current Contents, WOS, SCOPUS, SCOPUS). ISSN 0304-8853.
- Ohlasy:
- [1.1] PANDA, A. K. - ROY, R. K. - DEY, Sushmita - SINGH, Satnam - MITRA, A. Functional gradation through preferential crystallisation and interfacial activity in rapidly quenched Fe/Co-based bilayered ribbons for bend sensors. In *JOURNAL OF APPLIED PHYSICS*. ISSN 0021-8979, 2013, vol. 114, no. 2, 023909., WOS
- [1.1] YANG, Weiming - LIU, Haishun - DUN, Chaochao - ZHAO, Yucheng - DOU, Linming. Variations of the Effective Magnetostriction with Annealing Conditions for Nanocrystalline Magnetic Alloys. In *JOURNAL OF LOW TEMPERATURE PHYSICS*, 2011, vol.164, no.5-6, 272., WOS
- ADCA936 VLASÁK, Gabriel - JANIČKOVIČ, Dušan - ŠVEC, Peter. Magnetostrictions and Curie temperature measurements of (Fe-Co)_{91-x}Mo₈Cu₁B_x alloys with varying atomic Fe/Co ratio. In *Journal of Magnetism and Magnetic Materials*, 2008, vol. 320, no. 20, e754-E757. (1.704 - IF2007). (2008 - Current Contents, SCOPUS). ISSN 0304-8853.
- Ohlasy:
- [1.1] LIU, W.L. et al. In *JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS*, 2014, vol. 25, no. 11, pp. 5066., WOS
- [1.1] MICHALIK, S. In situ structural investigation of amorphous. In *JOURNAL OF ALLOYS AND COMPOUNDS*, 2011, vol. 509, no. 7, p. 3409., WOS
- ADCA937 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.
- Ohlasy:
- [1.1] YANG, Weiming - LIU, Haishun - DUN, Chaochao - ZHAO, Yucheng - DOU, Linming. Variations of the Effective Magnetostriction with Annealing Conditions for Nanocrystalline Magnetic Alloys. In *JOURNAL OF LOW TEMPERATURE PHYSICS*, 2011, vol.164, no.5-6, 272., WOS
- ADCA938 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. (1.490 - IF2006). (2007 - Current Contents, WOS, SCOPUS). ISSN 0921-5093.
- Ohlasy:
- [1.1] KLEIN, P. Study of domain structure. In *JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS*, 2011, vol. 323, no. 24, p. 3265., WOS
- ADCA939 VLASÁK, Gabriel - CONDE, C.F. - JANIČKOVIČ, Dušan - ŠVEC, Peter. Measurements of magnetostriction of paramagnetic Fe-Mo-Cu-B metallic glasses. In *Journal of Physics D: Applied Physics*, 2006, vol. 304, no. 2, e580-E582. (1.957 - IF2005). (2006 - Current Contents, WOS, SCOPUS). ISSN 0022-3727.

Ohlasy:

[1.1] HENTSCHEL, H. G. E. - ILYIN, Valery - PROCACCIA, Itamar. The plastic response of magnetoelastic amorphous solids. In EPL. ISSN 0295-5075, 2012, vol. 99, no. 2, 26003., WOS

ADCA940 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.

Ohlasy:

[1.1] HE, Li-Ping - WANG, Xiao - LIU, Xiang. Towards two-body strong decay behavior of higher rho and rho(3) mesons. In PHYSICAL REVIEW D. ISSN 1550-7998, 2013, vol. 88, no. 3, 034008., WOS

ADCA941 VRANA, P. - REEB, D. - REITZNER, Daniel - WOLF, M.M. Fault-ignorant quantum search. In *New Journal of Physics*, 2014, vol. 16, 073033. (3.673 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 1367-2630.

Ohlasy:

[1.1] TEMME, Kristan. Runtime of unstructured search with a faulty Hamiltonian oracle. In PHYSICAL REVIEW A. ISSN 1050-2947, 2014, vol. 90, no. 2, 022310., WOS

ADCA942 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] PAVLIK, Zbysek - FIALA, Lukas - JERMAN, Milos - VEJMEJKOVA, Eva - PAVLIKOVA, Milena - KEPPERT, Martin - CERNY, Robert. Theoretical and Experimental Analysis of Moisture-Dependent Thermal Conductivity of Lightweight Ceramic Bricks. In INTERNATIONAL JOURNAL OF THERMOPHYSICS. ISSN 0195-928X, 2014, vol. 35, no. 9-10, pp. 1912., WOS

[1.1] PAVLIK, Zbysek - JERMAN, Milos - TRNIK, Anton - KOCI, Vaclav - CERNY, Robert. Effective thermal conductivity of hollow bricks with cavities filled by air and expanded polystyrene. In JOURNAL OF BUILDING PHYSICS. ISSN 1744-2591, 2014, vol. 37, no. 4, pp. 436., WOS

[1.1] SULEIMAN, Bashir M. Measurements of Thermal Conduction in Partially Saturated Specimens Using the Transient Hot-Disk Technique. In JOURNAL OF TESTING AND EVALUATION, 2011, vol.39, no.4, 529., WOS

ADCA943 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*, 1997, vol. 394, no. 3, p. 332-340. (1.040 - IF1996). (1997 - Current Contents). ISSN 0168-9002.

Ohlasy:

[1.1] DEY, Balaram - MONDAL, Debasish - PANDIT, Deepak - MUKHOPADHYAY, S. - PAL, Surajit - BANERJEE, K. - BHATTACHARYA, Srijit - DE, A. - BANERJEE, S. R. Neutron response of the LAMBDA

spectrometer and neutron interaction length in BaF₂. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A. ISSN 0168-9002, 2013, vol. 727, pp. 7-11., WOS

[1.1] YUREVICH, V. I. High-energy neutron spectrometry. In PHYSICS OF PARTICLES AND NUCLEI. ISSN 1063-7796, 2012, vol. 43, no. 3, pp. 367-418., WOS

ADCA944 WANG, J. - WADA, R. - KEUTGEN, T. - HAGEL, K. - MA, Y.G. - MURRAY, M. - QIN, L. - BOTVINA, A. - KOWALSKI, S. - MATERNA, T. - NATOWITZ, J.B. - ALFARRO, R. - CIBOR, J. - CINAUSERO, M. - MASRI, Y.E. - FABRIS, D. - FIORETTO, E. - KEKSIS, A. - LUNARDON, M. - MAKEEV, A. - MARIE, N. - MARTIN, E. - MAJKA, Z. - MARTINEZ-DUVALOS, A. - MENCHACA-ROCHA, A. - NEBBIA, G. - PRETE, G. - RIZZI, V. - RUANGMA, A. - SHETTY, D.V. - SOULIOTIS, G. - STASZEL, P. - VESELSKÝ, Martin - VIESTI, G. - WINCHESTER, E.M. - YENNELLO, S.J. - ZIPPER, W. - ONO, A. Tracing the evolution of temperature in near Fermi energy heavy ion collisions. In *Physical Review C*, 2005, vol. 72, no. 2, 024603. (3.125 - IF2004). (2005 - Current Contents, WOS, SCOPUS). ISSN 0556-2813.

Ohlasy:

[1.1] LIU, T. X. - LYNCH, W. G. - SHOWALTER, R. H. - TSANG, M. B. - LIU, X. D. - TAN, W. P. - VAN GOETHEM, M. J. - VERDE, G. - WAGNER, A. - XI, H. F. - XU, H. S. - FAMIANO, M. A. - DE SOUZA, R. T. - VIOLA, V. E. - CHARITY, R. J. - SOBOTKA, L. G. Isospin observables from fragment energy spectra. In *PHYSICAL REVIEW C*. ISSN 0556-2813, 2012, vol. 86, no. 2, 024605., WOS

ADCA945 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. (3.774 - IF2010). (2011 - Current Contents, WOS, SCOPUS). ISSN 1098-0121.

Ohlasy:

[1.1] MOUAS, M. - GASSER, J.G. - HELLAL, S. - GROSDIDIER, B. Static structure and dynamic properties in liquid Sn-96.2 Ag-3.8 lead free solder: Structure factor, diffusion coefficients and viscosity. In *CALPHAD-COMPUTER COUPLING OF PHASE DIAGRAMS AND THERMOCHEMISTRY*. ISSN 0364-5916, 2014, vol. 44, pp. 102., WOS

[1.1] SOUTO, J. - ALEMANY, M. M. G. - GALLEGÓ, L. J. - GONZALEZ, L. E. - GONZALEZ, D. J. Static structure, microscopic dynamics and electronic properties of the liquid Bi-Li alloy. An ab initio molecular dynamics study. In *MODELLING AND SIMULATION IN MATERIALS SCIENCE AND ENGINEERING*. ISSN 0965-0393, 2013, vol. 21, no. 7, 075006., WOS

ADCA946 WEIS, Martin Jr. - GMUCOVÁ, Katarína - NÁDAŽDY, Vojtech - CAPEK, Ignác - ŠATKA, A. - KOPÁNI, M. - CIRÁK, Július - MAJKOVÁ, Eva. Control of single-electron charging of metallic nanoparticles onto amorphous silicon surface. In *Journal of Nanoscience and Nanotechnology*, 2008, vol. 8, p. 5684 - 5689. (1.987 - IF2007). (2008 - Current Contents, SCOPUS). ISSN 1533-4880.

Ohlasy:

[3] SUDHEESH, S. - AHMAD, J. - SINGH, G. S. Hysteresis of isotherms of mixed monolayers of N-octadecyl-N'-phenylthiourea and stearic acid at

air/water interface. In *ISRN PHYSICAL CHEMISTRY*, 2012, art.no. 835397, p.6

ADCA947 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. (1.018 - IF2010). (2011 - Current Contents). ISSN 0021-4922.

Ohlasy:

[1.1] IAZYKOV, Maksym - EROUEL, Mohsen - TARDY, Jacques - SKRYSHEVSKY, Valeriy A. - PHANER-GOUTORBE, Magali. Atomic force microscopy analysis of morphology of thin pentacene films deposited on parylene-C and benzocyclobutene. In *SURFACE SCIENCE*. ISSN 0039-6028, 2013, vol. 607, pp. 170-173., WOS

[1.1] KIMURA, Tomoharu - MIYATO, Yuji - KOBAYASHI, Kei - YAMADA, Hirofumi - MATSUSHIGE, Kazumi. Investigations of Local Electrical Characteristics of a Pentacene Thin Film by Point-Contact Current Imaging Atomic Force Microscopy. In *JAPANESE JOURNAL OF APPLIED PHYSICS*. ISSN 0021-4922, 2012, vol. 51, no. 8, 08KB05., WOS

[1.1] MIRZA, Misbah - WANG, Jiawei - LI, Dexing - ARABI, S. Atika - JIANG, Chao. Novel Top-Contact Monolayer Pentacene-Based Thin-Film Transistor for Ammonia Gas Detection. In *ACS APPLIED MATERIALS & INTERFACES*. ISSN 1944-8244, 2014, vol. 6, no. 8, pp. 5679-5684., WOS

[1.1] SALAS-VILLASENOR, A. L. - MEJIA, I. - SOTELO-LERMA, M. - GNADE, B. E. - QUEVEDO-LOPEZ, M. A. Performance and stability of solution-based cadmium sulfide thin film transistors: Role of CdS cluster size and film composition. In *APPLIED PHYSICS LETTERS*. ISSN 0003-6951, 2012, vol. 101, no. 26, 262103., WOS

ADCA948 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, 263304. (3.554 - IF2009). (2010 - Current Contents, SCOPUS). ISSN 0003-6951.

Ohlasy:

[1.1] LEE, Sangchul - KANG, Seok-Ju - JO, Gunho - CHOE, Minhyeok - PARK, Woojin - YOON, Jongwon - KWON, Taehyeon - KAHNG, Yung Ho - KIM, Dong-Yu - LEE, Byoung Hun - LEE, Takhee. Enhanced characteristics of pentacene field-effect transistors with graphene electrodes and substrate treatments. In *APPLIED PHYSICS LETTERS*, 2011, vol.99, no.8, 083306., WOS

[1.1] NATALI, Dario - CAIRONI, Mario. Charge Injection in Solution-Processed Organic Field-Effect Transistors: Physics, Models and Characterization Methods. In *ADVANCED MATERIALS*. ISSN 0935-9648, 2012, vol. 24, no. 11, pp. 1357., WOS

[1.1] SCHEINERT, S. - GROBOSCH, M. - PAASCH, G. - HOERSELMANN, I. - KNUPFER, M. - BARTSCH, J. Contact characterization by photoemission and device performance in P3HT based organic transistors. In *JOURNAL OF APPLIED PHYSICS*. ISSN 0021-8979, 2012, vol. 111, no. 6, 064502., WOS

ADCA949 WIDOM, M. - GANESH, P. - KAZIMIROV, S. - LOUCA, D. - MIHALKOVIČ, Marek. First-principles simulation of supercooled liquid alloys. In *Journal of Physics: Condensed Matter*, 2008, vol. 20, no. 11, 114114. (1.886 - IF2007). (2008 - Current Contents, WOS, SCOPUS). ISSN 0953-8984.

Ohlasy:

[1.1] KIM, Jaegil - STRAUB, John E. - KEYES, Tom. Replica Exchange Statistical Temperature Molecular Dynamics Algorithm. In *JOURNAL OF PHYSICAL CHEMISTRY B*. ISSN 1520-6106, 2012, vol. 116, no. 29, pp. 8646., WOS

[1.1] WANG, H. P. - YANG, S. J. - WEI, B. Molecular dynamics prediction of density for metastable liquid noble metals. In *CHEMICAL PHYSICS LETTERS*. ISSN 0009-2614, 2012, vol. 539, pp. 30., WOS

ADCA950 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.

Ohlasy:

[1.1] ANDE, Chaitanya Krishna - SLUITER, Marcel H. F. First-Principles Calculations on Stabilization of Iron Carbides (Fe₃C, Fe₅C₂, and ϵ -Fe₂C) in Steels by Common Alloying Elements. In *METALLURGICAL AND MATERIALS TRANSACTIONS A-PHYSICAL METALLURGY AND MATERIALS SCIENCE*. ISSN 1073-5623, 2012, vol. 43A, no. 11, pp. 4436., WOS

[1.1] DEGRAEF, M - MCHENRY, ME. Structure of Materials: An Introduction to Crystallography, Diffraction and Symmetry, 2nd Edition. In *STRUCTURE OF MATERIALS: AN INTRODUCTION TO CRYSTALLOGRAPHY, DIFFRACTION AND SYMMETRY, 2ND EDITION*, 2012, pp. 1., WOS

[1.1] GUMENIUK, Roman - SCHNELLE, Walter - BURKHARDT, Ulrich - ROSNER, Helge - LEITHE-JASPER, Andreas. Influence of the transition-metal substitution on the physical properties of Lu₂-xNi₂₁B₆ From Pauli-paramagnetism to weak ferromagnetism. In *INTERMETALLICS*. ISSN 0966-9795, 2012, vol. 20, no. 1, pp. 104., WOS

[1.1] HOPKINS, Adam B. - STILLINGER, Frank H. - TORQUATO, Salvatore. Densest binary sphere packings. In *PHYSICAL REVIEW E*. ISSN 1539-3755, 2012, vol. 85, no. 2, 021130., WOS

[1.1] NARAGHI, Reza - SELLEBY, Malin - AGREN, John. Thermodynamics of stable and metastable structures in Fe-C system. In *CALPHAD-COMPUTER COUPLING OF PHASE DIAGRAMS AND THERMOCHEMISTRY*. ISSN 0364-5916, 2014, vol. 46, pp. 148., WOS

[1.1] SLUITER, M. H. F. - PERELOMA, E - EDMONDS, DV. First principles in modelling phase transformations in steels. In *PHASE TRANSFORMATIONS IN STEELS, VOL 2: DIFFUSIONLESS TRANSFORMATIONS, HIGH STRENGTH STEELS, MODELLING AND ADVANCED ANALYTICAL TECHNIQUES*, 2012, pp. 365., WOS

[1.1] SVEC, Peter - SVEC, Peter - HOSKO, Jozef - JANICKOVIC, Dusan. Formation of monophase Fe₂₃B₆-type alloy via crystallization of amorphous Fe-Ni-Nb-B system. In *JOURNAL OF ALLOYS AND COMPOUNDS*. ISSN 0925-8388, 2014, vol. 590, pp. 87., WOS

[1.1] TAGHVAEI, Amir Hossein - SHAHABI, Hamed Shakur -

BEDNARCIK, Jozef - ECKERT, Juergen. Fabrication and characterization of Co₄₀Fe₂₂Ta_{8-x}Y_xB₃₀ (x=0, 2.5, 4, 6, and 8) metallic glasses with high thermal stability and good soft magnetic properties. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2014, vol. 116, no. 18, 184904., WOS

ADCA951 WIDOM, M. - MIHALKOVIČ, Marek. Symmetry-broken crystal structure of elemental boron at low temperature. In *Physical Review B*, 2008, vol. 77, no. 6, 064113. (3.172 - IF2007). (2008 - Current Contents, WOS, SCOPUS). ISSN 1098-0121.

Ohlasy:

[1.1] ALTINTAS, B. In EUROPEAN PHYSICAL JOURNAL B, 2011, vol. 79, no. 3 p. 301., WOS

[1.1] AN, Qi - GODDARD, William A. - XIAO, Hai - CHENG, Tao. Deformation Induced Solid-Solid Phase Transitions in Gamma Boron. In CHEMISTRY OF MATERIALS. ISSN 0897-4756, 2014, vol. 26, no. 14, pp. 4289., WOS

[1.1] BIALON, A. F. - HAMMERSCHMIDT, T. - DRAUTZ, R. Ab initio study of boron in alpha-iron: Migration barriers and interaction with point defects. In PHYSICAL REVIEW B. ISSN 1098-0121, 2013, vol. 87, no. 10, 104109., WOS

[1.1] COLINET, Catherine - TEDENAC, Jean-Claude. Enthalpies of Formation and Electronic Densities of States of Vanadium Borides. In JOURNAL OF PHASE EQUILIBRIA AND DIFFUSION. ISSN 1547-7037, 2014, vol. 35, no. 4, pp. 396., WOS

[1.1] DEKURA, H. In PHYSICAL REVIEW B, 2011, vol. 84, 094117., WOS

[1.1] FAN, Changzeng - LI, Jian - WANG, Limin. Phase transitions, mechanical properties and electronic structures of novel boron phases under high-pressure: A first-principles study. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2014, vol. 4, 6786., WOS

[1.1] GROCHALA, Wojciech. Diamond: Electronic Ground State of Carbon at Temperatures Approaching 0 K. In ANGEWANDTE CHEMIE-INTERNATIONAL EDITION. ISSN 1433-7851, 2014, vol. 53, no. 14, pp. 3680., WOS

[1.1] HYODO, Hiroshi - ISEKI, Hiroyuki - INOUE, Shouta - SOGA, Kohei - KIMURA, Kaoru. Self-Compensation Property and Bonding Conversion of V-and-Mg-or V-and-Li-Codoped beta-Rhombohedral Boron. In JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN. ISSN 0031-9015, 2014, vol. 83, no. 3, 034803., WOS

[1.1] HYODO, H. - NEZU, A. - SOGA, K. - KIMURA, K. Self-compensation property of beta-rhombohedral boron doped with high Li concentration. In SOLID STATE SCIENCES. ISSN 1293-2558, 2012, vol. 14, no. 11-12, pp. 1578., WOS

[1.1] CHKHARTISHVILI, Levan - MURUSIDZE, Ivane - DARCHIASHVILI, Maguli - TSAGAREISHVILI, Otari - GABUNIA, Domenti. Metal impurities in crystallographic voids of beta-rhombohedral boron lattice: Binding energies and electron levels. In SOLID STATE SCIENCES. ISSN 1293-2558, 2012, vol. 14, no. 11-12, pp. 1673., WOS

[1.1] JAKSE, N. - PASTUREL, A. Interplay between the structure and dynamics in liquid and undercooled boron: An ab initio molecular dynamics

simulation study. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2014, vol. 141, no. 23, 234504., WOS

[1.1] LIU, Gang - YIN, Li-Chang - NIU, Ping - JIAO, Wei - CHENG, Hui-Ming. Visible-Light-Responsive beta-Rhombohedral Boron Photocatalysts. In ANGEWANDTE CHEMIE-INTERNATIONAL EDITION. ISSN 1433-7851, 2013, vol. 52, no. 24, pp. 6242., WOS

[1.1] MCGRADY, Joseph W. - PAPACONSTANTOPOULOS, Dimitrios A. - MEHL, Michael J. Tight-Binding study of Boron structures. In JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS. ISSN 0022-3697, 2014, vol. 75, no. 10, pp. 1106., WOS

[1.1] OGANOV, A. R. - SOLOZHENKO, V. L. - GATTI, C. - KURAKEVYCH, O. O. - LE GODEC, Y. The High-Pressure Phase of Boron, gamma-B-28: Disputes and Conclusions of 5 Years after Discovery. In JOURNAL OF SUPERHARD MATERIALS, 2011, vol.33, no.6, 363., WOS

[1.1] OGITSU, Tadashi - SCHWEGLER, Eric. The alpha-beta phase boundary of elemental boron. In SOLID STATE SCIENCES. ISSN 1293-2558, 2012, vol. 14, no. 11-12, pp. 1598., WOS

[1.1] OGITSU, Tadashi - SCHWEGLER, Eric - GALLI, Giulia. beta-Rhombohedral Boron: At the Crossroads of the Chemistry of Boron and the Physics of Frustration. In CHEMICAL REVIEWS. ISSN 0009-2665, 2013, vol. 113, no. 5, pp. 3425., WOS

[1.1] PARAKHONSKIY, Gleb - DUBROVINSKAIA, Natalia - BYKOVA, Elena - WIRTH, Richard - DUBROVINSKY, Leonid. Experimental pressure-temperature phase diagram of boron: resolving the long-standing enigma. In SCIENTIFIC REPORTS, 2011, vol.1, 96., WOS

[1.1] PUTZ, Mihai V. Valence atom with bohmian quantum potential: the golden ratio approach. In CHEMISTRY CENTRAL JOURNAL. ISSN 1752-153X, 2012, vol. 6, 135., WOS

[1.1] SAENGDEEJING, Arkapol - SAAL, James E. - MANGA, Venkateswara Rao - LIU, Zi-Kui. Defects in boron carbide: First-principles calculations and CALPHAD modeling. In ACTA MATERIALIA. ISSN 1359-6454, 2012, vol. 60, no. 20, pp. 7207., WOS

[1.1] SHIRAI, Koun - SAKUMA, Kyohei - UEMURA, Naoki. Theoretical study of the structure of boron carbide B₁₃C₂. In PHYSICAL REVIEW B. ISSN 1098-0121, 2014, vol. 90, no. 6, 064109., WOS

[1.1] SHIRAI, Koun - UEMURA, Naoki. Why does a metal get an insulator? Consequences of unfilled bands on boron crystals. In SOLID STATE SCIENCES. ISSN 1293-2558, 2012, vol. 14, no. 11-12, pp. 1609., WOS

[1.1] SHIRAI, Koun. Prediction of Phase Diagrams for Hard Materials: Application to Boron Crystals. In INTERNATIONAL JOURNAL OF THERMOPHYSICS. ISSN 0195-928X, 2014, vol. 35, no. 9-10, pp. 1888., WOS

[1.1] SHIRAI, K. Structural study of alpha-rhombohedral boron. In JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN, 2011, vol. 80, 084601., WOS

ADCA952 WIDOM, M. - AL-LEHYANI, I. - MIHALKOVIČ, Marek. Tile Hamiltonians for decagonal phases. In *Journal of Non-Crystalline Solids*, 2004, vol. 334, p. 86-90. (1.563 - IF2003). (2004 - Current Contents, WOS, SCOPUS). ISSN 0022-3093.

Ohlasy:

[1.1] MELKIKH, Alexey V. Congenital programs of the behavior and

nontrivial quantum effects in the neurons work. In BIOSYSTEMS. ISSN 0303-2647, 2014, vol. 119, pp. 10-19., WOS

[1.1] STEURER, Walter. Why are quasicrystals quasiperiodic? In CHEMICAL SOCIETY REVIEWS. ISSN 0306-0012, 2012, vol. 41, no. 20, pp. 6719., WOS

ADCA953 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.

Ohlasy:

[1.1] HONARASA, G. R. - TAVASSOLY, M. K. Generalized deformed Kerr states and their physical properties. In PHYSICA SCRIPTA. ISSN 0031-8949, 2012, vol. 86, no. 3, 035401., WOS

[1.1] KALAGA, J. K. - LEONSKI, W. - KOWALEWSKA-KUDLASZYK, A. - POPIOLEKMASAJADA, A - URBANCZYK, W. System of nonlinear quantum oscillator and quantum correlations proposal for quantum chaos indicator. In PROCEEDINGS OF SPIE, 2014, vol. 9441., WOS

[1.1] PENNINI, Flavia - PLASTINO, Angelo - FERRI, Gustavo L. Temperature Effects, Frieden-Hawkins's Order-Measure, and Wehrl Entropy. In ENTROPY. ISSN 1099-4300, 2012, vol. 14, no. 11, pp. 2081., WOS

[1.1] RIGAS, I. - KLIMOV, A. B. - SANCHEZ-SOTO, L. L. - LEUCHS, G. Nonlinear cross-Kerr quasiclassical dynamics. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2013, vol. 15, 043038., WOS

ADCA954 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. (1.654 - IF1993). (1994 - Current Contents). ISSN 0953-8984.

Ohlasy:

[1.1] INUKAI, M. Origin of the DOS pseudogap. In PHILOSOPHICAL MAGAZINE, 2011, vol. 91, no. 33, p. 4247-4263., WOS

[1.1] MIZUTANI, U. In CHEMICAL SOCIETY REVIEWS, vol. 41, 2012, p. 6799., WOS

ADCA955 WINDISCH, M. - HAFNER, J. - KRAJČÍ, Marián. structure and lattice-dynamics of rational approximants to icosahedral Al-Cu-Li. In *Physical Review B*, 1994, vol. 49, no. 13, p.8701-8717. (3.159 - IF1993). (1994 - Current Contents). ISSN 1098-0121.

Ohlasy:

[1.1] LI, X.-F. A general solution of elasto-hydrodynamics of two-dimensional quasicrystals. In Philosophical Magazine Letters, 2011, vol.91, no.4, 313-320., WOS

ADCA956 WOCJAN, P. - CHIANG, Chen-Fu - ABEYESINGHE, A. - NAGAJ, Daniel. Quantum algorithm for approximating partition functions. In *Physical Review A*, 2009, vol. 80, 022340. ISSN 1050-2947.

Ohlasy:

[1.1] AHMADI, Hamed - CHIANG, Chen-Fu. QUANTUM PHASE ESTIMATION WITH ARBITRARY CONSTANT-PRECISION PHASE SHIFT OPERATORS. In QUANTUM INFORMATION & COMPUTATION.

ISSN 1533-7146, 2012, vol. 12, no. 9-10, pp. 864., WOS

[1.1] IBLISDIR, S. - CIRIO, M. - BOADA, O. - BRENNEN, G. K. Low depth quantum circuits for Ising models. In ANNALS OF PHYSICS. ISSN 0003-4916, 2014, vol. 340, no. 1, pp. 205., WOS

[1.1] OHZEKI, Masayuki - NISHIMORI, Hidetoshi. Quantum annealing with Jarzynski equality. In COMPUTER PHYSICS COMMUNICATIONS, 2011, vol.182, no.1, 257., WOS

[1.1] OHZEKI, Masayuki - NISHIMORI, Hidetoshi. Quantum Annealing: An Introduction and New Developments. In JOURNAL OF COMPUTATIONAL AND THEORETICAL NANOSCIENCE, 2011, vol.8, no.6, 963., WOS

[1.1] REICHARDT, Ben W. SYSTEMATIC DISTILLATION OF COMPOSITE FIBONACCI ANYONS USING ONE MOBILE QUASIPARTICLE. In QUANTUM INFORMATION & COMPUTATION. ISSN 1533-7146, 2012, vol. 12, no. 9-10, pp. 876., WOS

[1.1] VAN DEN NEST, M. - DUER, W. Exponentially improved classical and quantum algorithms for three-body Ising models. In PHYSICAL REVIEW A. ISSN 1050-2947, 2014, vol. 89, no. 1, 012334., WOS

[1.1] YUNG, Man-Hong - WHITFIELD, James D. - BOIXO, Sergio - TEMPEL, David G. - ASPURU-GUZI, Alan - KAIS, S. INTRODUCTION TO QUANTUM ALGORITHMS FOR PHYSICS AND CHEMISTRY. In QUANTUM INFORMATION AND COMPUTATION FOR CHEMISTRY. ISSN 0065-2385, 2014, vol. 154, pp. 67., WOS

[1.1] YUNG, M.H. - CASANOVA, J. - MEZZACAPO, A. - MCCLEAN, J. - LAMATA, L. - ASPURU-GUZI, A. - SOLANO, E. From transistor to trapped-ion computers for quantum chemistry. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2014, vol. 4, 3589., WOS

[1.1] ZHAO, Lian-Jie - LI, Yan-Song - HAO, Liang - ZHOU, Tao - LONG, Gui Lu. Geometric pictures for quantum search algorithms. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2012, vol. 11, no. 2, pp. 325., WOS

ADCA957 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:

[1.2] FILIPPOV, S.N. - MANKO, V.I. Star product and ordered moments of photon creation and annihilation operators. In Journal of Physics A: Mathematical and Theoretical, 2012, 45, 1., SCOPUS

[1.2] KIUKAS, J. - LAHTI, P. - SCHULTZ, J. - WERNER, R.F. Characterization of informational completeness for covariant phase space observables. In Journal of Mathematical Physics, 2012, 53, 10, 102103., SCOPUS

ADCA958 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. (1.537 - IF2011). (2012 - Current Contents). ISSN 0022-3093.

Ohlasy:

[1.1] ZHAI WEI - WEI BINGBO. Thermodynamic properties and

microstructural characteristics of binary Ag-Sn alloys. In CHINESE SCIENCE BULLETIN. ISSN 1001-6538, 2013, vol. 58, no. 8, pp. 938-944., WOS

ADCA959 YUNG, M.H. - NAGAJ, Daniel - WHITFIELD, J.D. - ASPURU_GUZI, A. Simulation of classical thermal states on a quantum computer: A transfer-matrix approach. In *Physical Review A*, 2010, vol. 82, no. 6, 060302. (2.866 - IF2009). (2010 - Current Contents). ISSN 1050-2947.

Ohlasy:

[1.1] DUER, W. - VAN DEN NEST, M. Quantum Simulation of Classical Thermal States. In PHYSICAL REVIEW LETTERS, 2011, vol.107, no.17, 170402., WOS

[1.1] GEORGESCU, I. M. - ASHHAB, S. - NORI, Franco. Quantum simulation. In REVIEWS OF MODERN PHYSICS. ISSN 0034-6861, 2014, vol. 86, no. 1., WOS

[1.1] IBLISDIR, S. - CIRIO, M. - BOADA, O. - BRENNEN, G. K. Low depth quantum circuits for Ising models. In ANNALS OF PHYSICS. ISSN 0003-4916, 2014, vol. 340, no. 1, pp. 205., WOS

[1.1] MATSUO, Akira - FUJII, Keisuke - IMOTO, Nobuyuki. Quantum algorithm for an additive approximation of Ising partition functions. In PHYSICAL REVIEW A. ISSN 1050-2947, 2014, vol. 90, no. 2, 022304., WOS

[1.1] RIERA, Arnau - GOGOLIN, Christian - EISERT, Jens. Thermalization in Nature and on a Quantum Computer. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2012, vol. 108, no. 8, 080402., WOS

[1.1] VAN DEN NEST, M. - DUER, W. Exponentially improved classical and quantum algorithms for three-body Ising models. In PHYSICAL REVIEW A. ISSN 1050-2947, 2014, vol. 89, no. 1, 012334., WOS

[1.1] YUNG, Man-Hong - ASPURU-GUZI, Alan. A quantum-quantum Metropolis algorithm. In PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA. ISSN 0027-8424, 2012, vol. 109, no. 3, pp. 754., WOS

[1.1] ZHANG, Jingfu - YUNG, Man-Hong - LAFLAMME, Raymond - ASPURU-GUZI, Alan - BAUGH, Jonathan. Digital quantum simulation of the statistical mechanics of a frustrated magnet. In NATURE COMMUNICATIONS. ISSN 2041-1723, 2012, vol. 3., WOS

[1.1] ZUNIGA-HANSEN, Nayeli - CHI, Yu-Chieh - BYRD, Mark S. Effects of noise, correlations, and errors in the preparation of initial states in quantum simulations. In PHYSICAL REVIEW A. ISSN 1050-2947, 2012, vol. 86, no. 4., WOS

ADCA960 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.

Ohlasy:

[1.1] MAKAROV, I. A. - OVCHINNIKOV, S. G. - SHNEIDER, E. I. Dependence of the critical temperature of high-temperature cuprate superconductors on hoppings and spin correlations between CuO₂ planes. In JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS. ISSN 1063-7761, 2012, vol. 114, no. 2, pp. 329., WOS

[1.1] SHNEYDER, E. I. - OVCHINNIKOV, S. G. - KORSHUNOV, M. M. -

NIKOLAEV, S. V. Electronic structure and properties of high-T-c superconducting cuprates in the normal and superconducting phases within the LDA+GTB approach. In JETP LETTERS. ISSN 0021-3640, 2012, vol. 96, no. 5, pp. 349., WOS

ADCA961 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. (2.185 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 0021-8979.

Ohlasy:

[1.1] TADIC, Marin - KRALJ, Slavko - JAGODIC, Marko - HANZEL, Darko - MAKOVEC, Darko. Magnetic properties of novel superparamagnetic iron oxide nanoclusters and their peculiarity under annealing treatment. In APPLIED SURFACE SCIENCE. ISSN 0169-4332, 2014, vol. 322, no., pp. 255., WOS

ADCA962 ZEMANOVÁ DIEŠKOVÁ, M. - ŠTICH, Ivan - BOKES, P. Rigidity of the conductance of an anchored dithioazobenzene optomechanical switch. In *Physical Review B*, 2013, vol. 87, no. 24, 245418. (3.767 - IF2012). (2013 - Current Contents, WOS, SCOPUS). ISSN 1098-0121.

Ohlasy:

[1.1] OSELLA, Silvio - SAMORI, Paolo - CORNIL, Jerome. Photoswitching Azobenzene Derivatives in Single Molecule Junctions: A Theoretical Insight into the I/V Characteristics. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2014, vol. 118, no. 32, pp. 18721-18729., WOS

[1.1] SUN, Lanlan - DIAZ-FERNANDEZ, Yuri A. - GSCHNEIDTNER, Tina A. - WESTERLUND, Fredrik - LARA-AVILA, Samuel - MOTH-POULSEN, Kasper. Single-molecule electronics: from chemical design to functional devices. In CHEMICAL SOCIETY REVIEWS. ISSN 0306-0012, 2014, vol. 43, no. 21, pp. 7378-7411., WOS

ADCA963 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 0556-2813.

Ohlasy:

[1.1] BROWNE, E. - TULI, J. K. Nuclear Data Sheets for A=143. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2012, vol. 113, no. 3, pp. 715., WOS

[1.1] DEAN, D.J.-HAMILTON, J.H. Resource letter NSM-1. In AMERICAN JOURNAL OF PHYSICS, 2011, vol. 79, p. 5016., WOS

- [1.1] KUMAR, S. - SIHOTRA, S. - NAIK, Z. - SINGH, K. - GOSWAMI, J. - SINGH, N. - PALIT, R. - MURALITHAR, S. - KUMAR, R. - SINGH, R. P. - BHOWMIK, R. K. - MEHTA, D. - MURALITHAR, S. Nuclear structure studies close to $N = Z = 50$. In *FRONTIERS IN GAMMA-RAY SPECTROSCOPY 2012* FIG12. ISSN 0094-243X, 2014, vol. 1609, pp. 142., WOS
- [1.1] MUKHOPADHYAY, S. - DANU, L. S. - BISWAS, D. C. - GOSWAMI, A. - PRASHANTH, P. N. - KINAGE, L. A. - CHATTERJEE, A. - CHOUDHURY, R. K. Prompt gamma spectroscopic studies of fragment nuclei in thermal neutron induced fission of U-235. In *PHYSICAL REVIEW C*. ISSN 0556-2813, 2012, vol. 85, no. 6, 064321., WOS
- [1.1] RZACA-URBAN, T. - URBAN, W. - PINSTON, J. A. - SIMPSON, G. S. - SMITH, A. G. - AHMAD, I. Reflection symmetry of the near-yrast excitations in Ba-145. In *PHYSICAL REVIEW C*. ISSN 0556-2813, 2012, vol. 86, no. 4, 044324., WOS
- [1.1] SIHOTRA, S. Excited states in Pd-99. In *PHYSICAL REVIEW C*, 2011, vol. 83, 024313., WOS
- [1.1] URBAN, W. - RZACA-URBAN, T. - SYNTFELD-KAZUCH, A. - SMITH, A. G. - AHMAD, I. Band structure of Ce-149. In *PHYSICAL REVIEW C*. ISSN 0556-2813, 2012, vol. 86, no. 1, 017301., WOS

ADCA964 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. (3.774 - IF2010). (2011 - Current Contents, WOS, SCOPUS). ISSN 1098-0121.

Ohlasy:

- [1.1] DE JUAN, F. - FERTIG, H. A. Power law Kohn anomalies and the excitonic transition in graphene. In *SOLID STATE COMMUNICATIONS*. ISSN 0038-1098, 2012, vol. 152, no. 15, pp. 1460., WOS
- [1.1] MOGULKOC, A. - MODARRESI, M. - KANDEMIR, B. S. - ROKNABADI, M. R. - SHAHTAHMASEBI, N. - BEHDANI, M. The role of electron-phonon interaction on the transport properties of graphene based nano-devices. In *PHYSICA B-CONDENSED MATTER*. ISSN 0921-4526, 2014, vol. 446, pp. 85., WOS

ADCA965 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. (2.962 - IF2003). (2004 - Current Contents, WOS, SCOPUS). ISSN 1098-0121.

Ohlasy:

- [1.1] INUKAI, M. Origin of the DOS pseudogap. In *PHILOSOPHICAL MAGAZINE*, 2011, vol. 91, p. 4247-4263., WOS
- [1.1] NAYAK, J. - MANIRAJ, M. - RAI, Abhishek - SINGH, Sanjay - RAJPUT, Parasmani - GLOSKOVSKII, A. - ZEGENHAGEN, J. - SCHLAGEL, D. L. - LOGRASSO, T. A. - HORN, K. - BARMAN, S. R. Bulk Electronic Structure of Quasicrystals. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2012, vol. 109, no. 21, 216403., WOS

ADCA966 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.

Ohlasy:

[1.1] BERNARDES, N. K. - CARVALHO, A. R. R. - MONKEN, C. H. - SANTOS, M. F. Environmental correlations and Markovian to non-Markovian transitions in collisional models. In *PHYSICAL REVIEW A*. ISSN 1050-2947, 2014, vol. 90, no. 3, 032111., WOS

[1.1] BODOR, Andras - DIOSI, Lajos - KALLUS, Zsolt - KONRAD, Thomas. Structural features of non-Markovian open quantum systems using quantum chains. In *PHYSICAL REVIEW A*. ISSN 1050-2947, 2013, vol. 87, no. 5, 052113., WOS

[1.1] BUDINI, Adrian A. Embedding non-Markovian quantum collisional models into bipartite Markovian dynamics. In *PHYSICAL REVIEW A*. ISSN 1050-2947, 2013, vol. 88, no. 3, 032115., WOS

[1.1] CARUSO, Filippo - GIOVANNETTI, Vittorio - LUPO, Cosmo - MANCINI, Stefano. Quantum channels and memory effects. In *REVIEWS OF MODERN PHYSICS*. ISSN 0034-6861, 2014, vol. 86, no. 4, pp. 1203., WOS

[1.1] CICCARELLO, F. - GIOVANNETTI, V. A quantum non-Markovian collision model: incoherent swap case. In *PHYSICA SCRIPTA*. ISSN 0031-8949, 2013, vol. T153, 014010., WOS

[1.1] CICCARELLO, F. - PALMA, G. M. - GIOVANNETTI, V. Collision-model-based approach to non-Markovian quantum dynamics. In *PHYSICAL REVIEW A*. ISSN 1050-2947, 2013, vol. 87, no. 4, 040103., WOS

[1.1] GENNARO, G. Relaxation due to the partial swap. In *OPEN SYSTEMS AND INFORMATION DYNAMICS*, 2011, vol. 18, no. 4, p. 353., WOS

[1.1] GIOVANNETTI, V. - PALMA, G. M. Master Equations for Correlated Quantum Channels. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2012, vol. 108, no. 4, 040401., WOS

[1.1] GIOVANNETTI, V. - PALMA, G. M. Master equation for cascade quantum channels: a collisional approach. In *JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS*. ISSN 0953-4075, 2012, vol. 45, no. 15, 154003., WOS

[1.1] HELM, J. Characterization of decoherence. In *PHYSICAL REVIEW A*, 2011, vol. 83, no. 4, 042103., WOS

[1.1] MCCLOSKEY, Ruari - PATERNOSTRO, Mauro. Non-Markovianity and system-environment correlations in a microscopic collision model. In *PHYSICAL REVIEW A*. ISSN 1050-2947, 2014, vol. 89, no. 5, 052120., WOS

[1.1] MURALIDHARAN, S. - KARUMANCHI, S. - JAIN, S. - SRIKANTH, R. - PANIGRAHI, P. K. 2N qubit "mirror states" for optimal quantum communication. In *EUROPEAN PHYSICAL JOURNAL D*, 2011, vol. 61, no. 3, 757., WOS

[1.1] NOVOTNY, Jaroslav - ALBER, Gernot - JEX, Igor. Entanglement and Decoherence: Fragile and Robust Entanglement. In *PHYSICAL REVIEW LETTERS*, 2011, vol. 107, no. 9., WOS

[1.1] NOVOTNY, J. - ALBER, G. - JEX, I. Asymptotic dynamics of qubit networks under randomly applied controlled unitary transformations. In *NEW JOURNAL OF PHYSICS*, 2011, vol. 13, no. 053052, WOS

[1.1] RIVAS, Angel - HUELGA, Susana F. - PLENIO, Martin B. Quantum

non-Markovianity: characterization, quantification and detection. In REPORTS ON PROGRESS IN PHYSICS. ISSN 0034-4885, 2014, vol. 77, no. 9, 094001., WOS

ADCA967 ZIMAN, Mário - BUŽEK, Vladimír. Concurrence versus purity: Influence of local channels on Bell states of two qubits. In *Physical Review A*, 2005, vol. 72, 053325. ISSN 1050-2947.

Ohlasy:

[1.1] DAI, Jibo - LEN, Yink Loong - TEO, Yong Siah - KRIVITSKY, Leonid A. - ENGLERT, Berthold-Georg. Controllable generation of mixed two-photon states. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2013, vol. 15, 063011., WOS

[1.1] FRITZSCHE, S. The FEYNMAN tools for quantum information processing: Design and implementation. In COMPUTER PHYSICS COMMUNICATIONS. ISSN 0010-4655, 2014, vol. 185, no. 6, pp. 1697., WOS

[1.1] MENDONCA, Paulo E. M. F. - MARCHIOLLI, Marcelo A. - GALETTI, Diogenes. Entanglement universality of two-qubit X-states. In ANNALS OF PHYSICS. ISSN 0003-4916, 2014, vol. 351, pp. 79., WOS

[1.1] SOLANO-CARRILLO, E. - FRANCO, R. - SILVA-VALENCIA, J. Pairwise entanglement and critical behavior of an anisotropic ferrimagnetic spin chain. In PHYSICS LETTERS A, 2011, vol.375, no.6, 1032., WOS

[1.1] SOLANO-CARRILLO, E. - FRANCO, R. - SILVA-VALENCIA, J. Entanglement and quantum phase transition in a mixed-spin Heisenberg chain with single-ion anisotropy. In PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS, 2011, vol.390, no.11, 2208., WOS

[1.1] ZHANG, Y. Q. - TAN, L. Dynamical behavior of entanglement, purity and energy for two atoms in the presence of dissipation. In EUROPEAN PHYSICAL JOURNAL D, 2011, vol.64, no.2-3, 585., WOS

ADCA968 ZIMAN, Mário - BUŽEK, Vladimír. Correlation-assisted quantum communication. In *Physical Review A*, 2003, vol. 67, no. 4, 042321. ISSN 1050-2947.

Ohlasy:

[1.1] DAS, Tamoghna - PRABHU, R. - SEN (DE), Aditi - SEN, Ujjwal. Multipartite dense coding versus quantum correlation: Noise inverts relative capability of information transfer. In PHYSICAL REVIEW A. ISSN 1050-2947, 2014, vol. 90, no. 2, 022319., WOS

[1.1] NEPAL, Rabindra - PRABHU, R. - SEN(DE), Aditi - SEN, Ujjwal. Maximally-dense-coding-capable quantum states. In PHYSICAL REVIEW A. ISSN 1050-2947, 2013, vol. 87, no. 3, 032336., WOS

[1.1] PRABHU, R. - PATI, Arun Kumar - SEN (DE), Aditi - SEN, Ujjwal. Exclusion principle for quantum dense coding. In PHYSICAL REVIEW A. ISSN 1050-2947, 2013, vol. 87, no. 5, 052319., WOS

[1.1] PRABHU, R. - PRADHAN, Saurabh - SEN (DE), Aditi - SEN, Ujjwal. Disorder overtakes order in information concentration over quantum networks. In PHYSICAL REVIEW A, 2011, vol.84, no.4., WOS

[1.1] PRABHU, R. - SEN(DE), Aditi - SEN, Ujjwal. Genuine multiparty quantum entanglement suppresses multipoint classical information transmission. In PHYSICAL REVIEW A. ISSN 1050-2947, 2013, vol. 88, no. 4, 042329., WOS

- [1.1] SABOUR, Abbass - JAFARPOUR, Mojtaba. A Probability Measure for Entanglement of Pure Two-Qubit Systems and a Useful Interpretation for Concurrence. In CHINESE PHYSICS LETTERS, 2011, vol.28, no.7., WOS
- [1.1] SHADMAN, Z. - KAMPERMANN, H. - BRUSS, D. - MACCHIAVELLO, C. Optimal superdense coding over memory channels. In PHYSICAL REVIEW A, 2011, vol.84, no.4., WOS

ADCA969 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.

Ohlasy:

- [1.1] BODOR, Andras - DIOSI, Lajos - KALLUS, Zsolt - KONRAD, Thomas. Structural features of non-Markovian open quantum systems using quantum chains. In PHYSICAL REVIEW A. ISSN 1050-2947, 2013, vol. 87, no. 5, 052113., WOS
- [1.1] BUDINI, Adrian A. Embedding non-Markovian quantum collisional models into bipartite Markovian dynamics. In PHYSICAL REVIEW A. ISSN 1050-2947, 2013, vol. 88, no. 3, 032115., WOS
- [1.1] CARUSO, Filippo - GIOVANNETTI, Vittorio - LUPO, Cosmo - MANCINI, Stefano. Quantum channels and memory effects. In REVIEWS OF MODERN PHYSICS. ISSN 0034-6861, 2014, vol. 86, no. 4, pp. 1203., WOS
- [1.1] CICCARELLO, F. - GIOVANNETTI, V. A quantum non-Markovian collision model: incoherent swap case. In PHYSICA SCRIPTA. ISSN 0031-8949, 2013, vol. T153, 014010., WOS
- [1.1] CICCARELLO, F. - PALMA, G. M. - GIOVANNETTI, V. Collision-model-based approach to non-Markovian quantum dynamics. In PHYSICAL REVIEW A. ISSN 1050-2947, 2013, vol. 87, no. 4, 040103., WOS
- [1.1] GENNARO, Giuseppe. Relaxation Due to the Partial Swap Collisions with a Random Reservoir. In OPEN SYSTEMS & INFORMATION DYNAMICS, 2011, vol.18, no.4, 353., WOS
- [1.1] GIOVANNETTI, V. - PALMA, G. M. Master Equations for Correlated Quantum Channels. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2012, vol. 108, no. 4, 040401., WOS
- [1.1] MCCLOSKEY, Ruari - PATERNOSTRO, Mauro. Non-Markovianity and system-environment correlations in a microscopic collision model. In PHYSICAL REVIEW A. ISSN 1050-2947, 2014, vol. 89, no. 5, 052120., WOS
- [1.1] PING, Yuting - JEFFERSON, John H. - LOVETT, Brendon W. Coherent and passive one dimensional quantum memory. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2014, vol. 16, 103025., WOS
- [1.1] UZDIN, Raam - KOSLOFF, Ronnie. The multilevel four-stroke swap engine and its environment. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2014, vol. 16, 095003., WOS

ADCA970 ZIMAN, Mário - BUŽEK, Vladimír. Entanglement-induced state ordering under local operations. In *Physical Review A*, 2006, vol. 73, no. 1, 012312. (2006 - Current Contents, SCOPUS). ISSN 1050-2947.

Ohlasy:

- [1.1] HOU, Xi-Wen - WAN, Ming-Fang - MA, Zhong-Qi. Dynamical correlations of negativity and entropy for pure and mixed states in two coupled

quartic oscillators. In EUROPEAN PHYSICAL JOURNAL D, 2011, vol.62, no.2, 279., WOS

[1.1] HOU, Xi-Wen - WAN, Ming-Fang - MA, Zhong-Qi. Tripartite entanglement dynamics for mixed states in the Tavis-Cummings model with intrinsic decoherence. In EUROPEAN PHYSICAL JOURNAL D. ISSN 1434-6060, 2012, vol. 66, no. 6, 152., WOS

[1.1] OKRASA, M. - WALCZAK, Z. On two-qubit states ordering with quantum discords. In EPL. ISSN 0295-5075, 2012, vol. 98, no. 4, 40003., WOS

ADCA971 ZIMAN, Mário. Incomplete quantum process tomography and principle of maximal entropy. In *Physical Review A*, 2008, vol. 78, no. 3, 032118. (2.893 - IF2007). (2008 - Current Contents). ISSN 1050-2947.

Ohlasy:

[1.1] BOGDANOV, Yu I. - KALINKIN, A. A. - KULIK, S. P. - MOREVA, E. V. - SHERSHULIN, V. A. Quantum polarization transformations in anisotropic dispersive media. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2013, vol. 15, 035012., WOS

[1.1] RAU, Jochen. Assessing thermalization and estimating the Hamiltonian with output data only. In PHYSICAL REVIEW A, 2011, vol.84, no.5., WOS

[1.1] ROGA, Wojciech - PUCHALA, Zbigniew - RUDNICKI, Lukasz - ZYCZKOWSKI, Karol. Entropic trade-off relations for quantum operations. In PHYSICAL REVIEW A. ISSN 1050-2947, 2013, vol. 87, no. 3, 032308., WOS

[1.1] ROGA, Wojciech - ZYCZKOWSKI, Karol - FANNES, Mark. ENTROPIC CHARACTERIZATION OF QUANTUM OPERATIONS. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION, 2011, vol.9, no.4, 1031., WOS

[1.1] SPARACIARI, Carlo - OLIVARES, Stefano - TICOZZI, Francesco - PARIS, Matteo G. A. Exact and approximate solutions for the quantum minimum-Kullback-entropy estimation problem. In PHYSICAL REVIEW A. ISSN 1050-2947, 2014, vol. 89, no. 4, 042124., WOS

[1.1] STEPHAN, Weis. Continuity of the Maximum-Entropy Inference. In COMMUNICATIONS IN MATHEMATICAL PHYSICS. ISSN 0010-3616, 2014, vol. 330, no. 3, pp. 1263., WOS

[1.1] TEO, Yong Siah - ENGLERT, Berthold-Georg - REHACEK, Jaroslav - HRADIL, Zdenek. Adaptive schemes for incomplete quantum process tomography. In PHYSICAL REVIEW A, 2011, vol.84, no.6., WOS

[1.1] ZORZI, Mattia - TICOZZI, Francesco - FERRANTE, Augusto. Minimum Relative Entropy for Quantum Estimation: Feasibility and General Solution. In IEEE TRANSACTIONS ON INFORMATION THEORY. ISSN 0018-9448, 2014, vol. 60, no. 1, pp. 357., WOS

ADCA972 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.

Ohlasy:

[1.1] JING, Naihuan. On Classes of Local Unitary Transformations. In ALGEBRA COLLOQUIUM. ISSN 1005-3867, 2012, vol. 19, no. 2, pp. 283., WOS

ADCA973 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. (2.893 - IF2007). (2008 - Current Contents). ISSN 1050-2947.

Ohlasy:

[1.1] BISIO, Alessandro - D'ARIANO, Giacomo Mauro - PERINOTTI, Paolo - SEDLAK, Michal. Optimal processing of reversible quantum channels. In *PHYSICS LETTERS A*. ISSN 0375-9601, 2014, vol. 378, no. 26-27, pp. 1797., WOS

[1.1] BISIO, A. - CHIRIBELLA, G. - D'ARIANO, G. M. - PERINOTTI, P. QUANTUM NETWORKS: GENERAL THEORY AND APPLICATIONS. In *ACTA PHYSICA SLOVACA*, 2011, vol.61, no.3, 273., WOS

[1.1] D'ARIANO, Giacomo Mauro - PERINOTTI, Paolo - SEDLAK, Michal. Extremal quantum protocols. In *JOURNAL OF MATHEMATICAL PHYSICS*, 2011, vol.52, no.8., WOS

[1.1] GUTOSKI, Gus - JOHNSTON, Nathaniel. Process tomography for unitary quantum channels. In *JOURNAL OF MATHEMATICAL PHYSICS*. ISSN 0022-2488, 2014, vol. 55, no. 3, 032201., WOS

[1.1] CHIRIBELLA, Giulio - TOIGO, Alessandro - UMANITA, Veronica. Normal Completely Positive Maps on the Space of Quantum Operations. In *OPEN SYSTEMS & INFORMATION DYNAMICS*. ISSN 1230-1612, 2013, vol. 20, no. 1, 1350003., WOS

[1.1] JENCOVA, Anna. Extremality conditions for generalized channels. In *JOURNAL OF MATHEMATICAL PHYSICS*. ISSN 0022-2488, 2012, vol. 53, no. 12, 122203., WOS

[1.1] JENCOVA, Anna. Extremal generalized quantum measurements. In *LINEAR ALGEBRA AND ITS APPLICATIONS*. ISSN 0024-3795, 2013, vol. 439, no. 12, pp. 4070., WOS

[1.1] JENCOVA, Anna. Generalized channels: Channels for convex subsets of the state space. In *JOURNAL OF MATHEMATICAL PHYSICS*. ISSN 0022-2488, 2012, vol. 53, no. 1, 012201., WOS

[1.1] JENCOVA, A. Base norms and discrimination of generalized quantum channels. In *JOURNAL OF MATHEMATICAL PHYSICS*. ISSN 0022-2488, 2014, vol. 55, no. 2, 022201., WOS

[1.1] LU, Cheng - CHEN, Jianxin - DUAN, Runyao. SOME BOUNDS ON THE MINIMUM NUMBER OF QUERIES REQUIRED FOR QUANTUM CHANNEL PERFECT DISCRIMINATION. In *QUANTUM INFORMATION & COMPUTATION*. ISSN 1533-7146, 2012, vol. 12, no. 1-2, pp. 138., WOS

[1.1] ZHANG KE-JIA - ZHU PING - GAO FEI - GUO FEN-ZHUO - QIN SU-JUAN - WEN QIAO-YAN. General description of discriminating quantum operations. In *CHINESE PHYSICS B*, 2011, vol.20, no.10., WOS

ADCA974 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, 022106. ISSN 1050-2947.

Ohlasy:

[1.1] KESELMAN, A. - GLICKMAN, Y. - AKERMAN, N. - KOTLER, S. - OZERI, R. High-fidelity state detection and tomography of a single-ion Zeeman

qubit. In NEW JOURNAL OF PHYSICS, 2011, vol.13, no. 073027, WOS
 [1.1] RAU, Jochen. Assessing thermalization and estimating the Hamiltonian with output data only. In PHYSICAL REVIEW A, 2011, vol.84, no.5, 952101., WOS
 [1.1] RUPPERT, Laszlo - VIROSZTEK, Daniel - HANGOS, Katalin. Optimal parameter estimation of Pauli channels. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2012, vol. 45, no. 26, 265305., WOS

ADCA975 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.

Ohlasy:

[1.1] APPLEBY, D.M. The Lie algebraic significance. In JOURNAL OF MATHEMATICAL PHYSICS, 2011, vol. 52, no. 2, 022202., WOS
 [1.1] BAI, Ming-qiang - PENG, Jia-Yin - MO, Zhi-Wen. Three schemes of remote information concentration based on ancilla-free phase-covariant telecloning. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2014, vol. 13, no. 5, pp. 1067., WOS
 [1.1] BISIO, A. Quantum networks. In ACTA PHYSICA SLOVACA, 2011, vol. 61, no. 3, p. 273-U120., WOS
 [1.1] CARMELI, C. Sequential measurements of conjugate observables. In JOURNAL OF PHYSICS A, 2011, vol. 44, no. 28, 285304., WOS
 [1.1] DALL'ARNO, Michele - BUSCEMI, Francesco - OZAWA, Masanao. Tight bounds on accessible information and informational power. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2014, vol. 47, no. 23, 235302., WOS
 [1.1] CHANG LI-WEI - ZHENG SHI-HUI - GU LI-ZE - XIAO DA - YANG YI-XIAN. Joint remote preparation of an arbitrary five-qubit Brown state via non-maximally entangled channels. In CHINESE PHYSICS B. ISSN 1674-1056, 2014, vol. 23, no. 9, 090307., WOS
 [1.1] PENG JIA-YIN - BAI MING-QIANG - MO ZHI-WEN. Hierarchical and probabilistic quantum state sharing via a non-maximally entangled vertical bar chi > state. In CHINESE PHYSICS B. ISSN 1674-1056, 2014, vol. 23, no. 1, 010304., WOS
 [1.1] WANG, D.- YE, L. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2013, vol. 52, pp. 3075., WOS

ADCA976 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.

Ohlasy:

[1.1] GENNARO, Giuseppe. Relaxation Due to the Partial Swap Collisions with a Random Reservoir. In OPEN SYSTEMS & INFORMATION DYNAMICS, 2011, vol.18, no.4, 353., WOS
 [1.1] GIOVANNETTI, V. - PALMA, G. M. Master Equations for Correlated Quantum Channels. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2012, vol. 108, no. 4, 040401., WOS
 [1.1] GIOVANNETTI, V. - PALMA, G. M. Master equation for cascade

quantum channels: a collisional approach. In JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS. ISSN 0953-4075, 2012, vol. 45, no. 15, 154003., WOS

[1.1] MCCLOSKEY, Ruari - PATERNOSTRO, Mauro. Non-Markovianity and system-environment correlations in a microscopic collision model. In PHYSICAL REVIEW A. ISSN 1050-2947, 2014, vol. 89, no. 5, 052120., WOS

[1.1] UZDIN, Raam - KOSLOFF, Ronnie. The multilevel four-stroke swap engine and its environment. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2014, vol. 16, 095003., WOS

ADCA977 ZIMAN, Mário - SEDLÁK, Michal. Single-shot discrimination of quantum unitary processes. In *Journal of Modern Optics*, 2010, vol. 57, no. 3, p. 253-259. (0.942 - IF2009). (2010 - Current Contents). ISSN 0950-0340.

Ohlasy:

[1.1] BISIO, Alessandro - DALL'ACQUA, ARNO, Michele - D'ARIANO, Giacomo Mauro. Tradeoff between energy and error in the discrimination of quantum-optical devices. In PHYSICAL REVIEW A, 2011, vol. 84, no. 1, 012310., WOS

[1.1] MISHRA, Devendra Kumar. Unambiguous discrimination of two squeezed states using probabilistic quantum cloning. In OPTICS COMMUNICATIONS. ISSN 0030-4018, 2012, vol. 285, no. 6, pp. 1560., WOS

ADCA978 ZIMAN, Mário - HEINOSAARI, T. - SEDLÁK, Michal. Unambiguous comparison of quantum measurements. In *Physical Review A*, 2009, vol. 80, no. 5, 052102. (2.908 - IF2008). (2009 - Current Contents, WOS, SCOPUS). ISSN 1050-2947.

Ohlasy:

[1.1] PANG, Shengshi - WU, Shengjun. Comparison of mixed quantum states. In PHYSICAL REVIEW A, 2011, vol. 84, no. 1, 012336., WOS

ADCA979 ZRUBCOVÁ, J. - KRIŠTIÁK, 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. (0.597 - IF2000).

Ohlasy:

[1.1] HUGHES, D.J. In JOURNAL OF PHYSICS CONFERENCE SERIES, 2013, vol. 443, 012045., WOS

[1.1] SHANTAROVICH, V.P. Low-temperature formation of positronium in nonpolymer organic systems. In HIGH ENERGY CHEMISTRY, 2011, vol. 45, no. 4, p. 342., WOS

ADCA980 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. (1.704 - IF2007). (2008 - Current Contents, SCOPUS). ISSN 0304-8853.

Ohlasy:

[1.1] HUANG KAI-KAI - LI NAN - LU XUAN-HUI. A High Sensitivity Laser-Pumped Cesium Magnetometer. In CHINESE PHYSICS LETTERS. ISSN 0256-307X, 2012, vol. 29, no. 10, 100701., WOS

- [1.1] LI NAN - HUANG KAI-KAI - LU XUAN-HUI. Study on the sensitivity of laser-pumped cesium atomic magnetometer. In ACTA PHYSICA SINICA. ISSN 1000-3290, 2013, vol. 62, no. 13, 133201., WOS
- [1.1] YANG AI-LIN - YANG GUO-QING - CAI XUN-MING - XU YUN-FEI - LIN QIANG. A laser pump-re-pump atomic magnetometer. In CHINESE PHYSICS B. ISSN 1674-1056, 2013, vol. 22, no. 12, 120702., WOS
- [1.1] ZHA WUSHENG - LIU JINYUN - SONG TIANXIU - WANG ZHENGYUN. Differences of element distribution between free and wheel side surface of NdFeB/ α -Fe ribbons. In JOURNAL OF RARE EARTHS, 2011, vol.29, no.1, 94-96., WOS

ADCA981 ŽIVOTSKÝ, O. - POSTAVA, K. - KRAUS, L. - MALÁTEK, M. - JANIČKOVIČ, Dušan - CIPRIAN, D. - LUŇÁČEK, J. - PIŠTORA, J. Surface crystallized Co₆₆Fe₄B₁₅Si₁₅ amorphous ribbons studied using magneto-optical magnetometry. In *Journal of Magnetism and Magnetic Materials*, 2005, vol. 290, pp. 625-628. (1.031 - IF2004). (2005 - Current Contents, WOS, SCOPUS). ISSN 0304-8853.

Ohlasy:

- [1.1] BUTVINOVA, B. - BUTVIN, P. - KADLECIKOVA, M. - MALINOVSKY, L. Raman spectroscopy used to inspect relationship between surface and magnetic properties of Fe-Nb-Cu-B-Si(4.5) nanocrystalline ribbons. In KOVOVE MATERIALY-METALLIC MATERIALS. ISSN 0023-432X, 2012, vol. 50, no. 3, pp. 145., WOS

ADCA982 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. (1.780 - IF2011). (2012 - Current Contents). ISSN 0304-8853.

Ohlasy:

- [1.1] MOHAMMADIFAR, Y. - SHOKROLLAHI, H. - KARIMI, Z. - KARIMI, L. The synthesis of Co_{1-x}Dy_xFe₂O₄ nanoparticles and thin films as well as investigating their magnetic and magneto-optical properties. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2014, vol. 366, pp. 44., WOS
- [1.1] MORADI, Mehrdad - GHANAATSHOAR, Majid. Investigation of magneto-optical Kerr signal enhancement in amorphous magnetic ribbons. In EUROPEAN PHYSICAL JOURNAL. ISSN 1286-0042, 2013, vol. 61, no. 1, 10603., WOS

ADCB Scientific papers in foreign journals registered in Current Contents Connect without IF (non-impacted)

ADCB01 BIAGINI, M.E. - DUBNIČKA, Stanislav - ETIM, E. - KOLAR, P. Phenomenological evidence for a 3RD radial excitation of $\rho(770)$. In *Nuovo Cimento Società Italiana di Fisica A*, 1991, vol. 104, no. 3, p. 363-369. ISSN 0369-3546.

Ohlasy:

- [1.1] HE, Li-Ping - WANG, Xiao - LIU, Xiang. Towards two-body strong decay behavior of higher ρ and $\rho(3)$ mesons. In PHYSICAL REVIEW D. ISSN 1550-7998, 2013, vol. 88, no. 3, 034008., WOS

ADCB02 FILIP, Peter. Elliptic flow in central collisions of deformed nuclei. In *Physics of Atomic Nuclei*, 2008, vol. 71, no. 9, p. 1609-1618. ISSN 1063-7788.

Ohlasy:

[1.1] RYBCZYNSKI, Maciej - BRONIOWSKI, Wojciech - STEFANEK, Grzegorz. Influence of initial fluctuations on geometry measures in relativistic U+U and Cu+Au collisions. In *PHYSICAL REVIEW C*. ISSN 0556-2813, 2013, vol. 87, no. 4, 044908., WOS

[1.1] RYBCZYNSKI, Maciej - STEFANEK, Grzegorz - BRONIOWSKI, Wojciech - BOZEK, Piotr. GLISSANDO 2: GLauber Initial-State Simulation AND mOre ... , ver. 2. In *COMPUTER PHYSICS COMMUNICATIONS*. ISSN 0010-4655, 2014, vol. 185, no. 6, pp. 1759-1772., WOS

ADCB03 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 1051-2004/02.

Ohlasy:

[1.1] PUCHALA, Dariusz. Approximating the KLT by Maximizing the Sum of Fourth-Order Moments. In *IEEE SIGNAL PROCESSING LETTERS*. ISSN 1070-9908, 2013, vol. 20, no. 3, pp. 193., WOS

ADDA Scientific papers in domestic journals registered in Current Contents Connect with IF (impacted)

ADDA01 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. (0.400 - IF2010). (2011 - WOS, SCOPUS, Copernicus International). ISSN 1335-8871.

Ohlasy:

[3] MALINARIČ, S. - KRUPA, P. Modification of the dynamic plane source method . In *THERMOPHYSICS 2012- CONFERENCE PROCEEDINGS*. Ed. O. Zmeškal. ISSN 978-80-214-4599-4. Brno: University of Technology, 2012, p. 84.

ADDA02 BUTVINOVÁ, Beata - BUTVIN, Pavol - KADLEČÍKOVÁ, M. - MALINOVSKÝ, Ľudovít. Raman spectroscopy used to inspect relationship between surface and magnetic properties of Fe-Nb-Cu-B-Si (4.5) nanocrystalline ribbons. In *Kovové materiály*, 2012, roč. 50, no. 3, s.145-152. (0.451 - IF2011). (2012 - Current Contents, SCOPUS, WOS). ISSN 0023-432X.

Ohlasy:

[1.1] SILVEYRA, Josefina M. - ILLEKOVA, Emilia. Effects of air annealing on Fe-Si-B-M-Cu (M = Nb, Mo) alloys. In *JOURNAL OF ALLOYS AND COMPOUNDS*. ISSN 0925-8388, 2014, vol. 610, pp. 180-183., WOS

ADDA03 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] FAN, Heng - WANG, Yi-Nan - JING, Li - YUE, Jie-Dong - SHI,

Han-Duo - ZHANG, Yong-Liang - MU, Liang-Zhu. Quantum cloning machines and the applications. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, 2014, vol. 544, no. 3, pp. 241., WOS
 [1.1] WU, Fei - WU, Xiaohua. Designing the optimal quantum cloning machine for qubit case. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2012, vol. 11, no. 1, pp. 1-21., WOS
 [1.1] XIAO, Xing - YAO, Yao - ZHOU, Lei-Ming - WANG, Xiaoguang. Distribution of quantum Fisher information in asymmetric cloning machines. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2014, vol. 4, no. 7361., WOS

ADDA04 CAPEK, Ignác - CHITU, Livia - JANICKOVA, A. - KOSTIC, I. - LUBY, Štefan - MAJKOVÁ, Eva - SATKA, A. Preparation and SEM characterization of sterically stabilized polystyrene particles. In *Chemical Papers- Chemické zvesti*, 2005, vol. 59, p. 41.

Ohlasy:

[1.2] SHAHANAZ MUBEENA, S.K.- RAO, C.S.- ESWARA REDDY, C. Experimental investigation on surface characterization of nickel coated high speed steel using scanning electron microscopy and energy dispersive spectroscopy. (2011) International Journal of Applied Engineering Research, 6 (16), p. 1893-1904., Scopus

ADDA05 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. (0.647 - IF2006). (2007 - SCOPUS). ISSN 0323-0465.

Ohlasy:

[1.1] EHLERT, M. et al. In PHYSICA STATUS SOLIDI B, 2014, vol. 251, no. 9, pp. 1725-1735., WOS
 [1.1] EREMKO, A.A. Spin sensitive electron . In PHYSICAL REVIEW B, 2013, vol. 88, 165409., WOS
 [1.1] GANICHEV, S.D.- GOLUB, L.E. In PHYSICA STATUS SOLIDI B, 2014, vol. 251, no. 9, pp. 1801-1823., WOS
 [1.1] HWANG, S.-Y. et al. In PHYSICAL REVIEW B, 2014, vol. 90, no. 11, 115301., WOS
 [1.1] CHESI, S.- WANG, X.J.- COISH, W.A. In EUROPEAN PHYSICAL JOURNAL PLUS, 2014, vol. 129, no. 5, 86., WOS
 [1.1] KORN, T.- SCHUELLER, C. In PHYSICA STATUS SOLIDI B, 2014, vol. 251, no. 9, pp. 1881-1891., WOS
 [1.1] LI, H. Tailoring spin-orbit torque. In APPLIED PHYSICS LETTERS, 2013, vol. 102, 192411., WOS
 [1.1] MATHIAS, L. Hyperfine interactions in two-dimensional HgTe topological insulators. In PHYSICAL REVIEW B, 2013, vol. 88, 115411., WOS
 [1.1] SARKAR, A.- ADHIRBAN, R.- DAS, A.K. In IEEE TRANSACTIONS ON MAGNETICS, 2014, vol. 50, no. 5, 4400108., WOS
 [1.1] SHIOGAI, J. et al. In PHYSICAL REVIEW B, 2014, vol. 89, no. 8, 081307., WOS
 [1.1] SIRCAR, N.- BOUGEARD, D. In PHYSICAL REVIEW B, 2014, vol. 89, no. 4, 041301., WOS
 [1.2] ABALMASSOV, Veniamin A. On the possibility of the dynamic self-polarization of nuclear spins in a quantum dot. In JETP Letters. ISSN 00213640, 2013-11-01, 98, 5, pp. 266-271., SCOPUS

- [1.2] ADAMSKI, Adam Grzegorz. The concept of consciousness and unconsciousness in the view of quantum processes. In *NeuroQuantology*. ISSN 13035150, 2013-10-22, 11, 3, pp. 466-476., SCOPUS
- [1.2] ADARI, Rama Bhadra Rao - BANERJEE, Debashree - GANGULY, Swaroop - SAHA, Dipankar. Memory elements using multiterminal magnetoresistive devices. In *Applied Physics Express*. ISSN 18820778, 2013-04-01, 6, 4, 043002., SCOPUS
- [1.2] ADORNO, D. Persano - PIZZOLATO, N. - GRACEFFA, C. Phonon-induced spin relaxation of conduction electrons in silicon crystals. In *2014 International Workshop on Computational Electronics, IWCE 2014*, 2014-01-01., SCOPUS
- [1.2] AGARWAL, Amit - CHESI, Stefano - JUNGWIRTH, T. - SINOVA, Jairo - VIGNALE, G. - POLINI, Marco. Plasmon mass and Drude weight in strongly spin-orbit-coupled two-dimensional electron gases. In *Physical Review B Condensed Matter and Materials Physics*. ISSN 10980121, 2011-03-29, 83, 11, pp., SCOPUS
- [1.2] AGARWAL, Amit - POLINI, Marco - FAZIO, Rosario - VIGNALE, G. Persistent spin oscillations in a spin-orbit-coupled superconductor. In *Physical Review Letters*. ISSN 00319007, 2011-08-10, 107, 7, pp., SCOPUS
- [1.2] AKIHO, Takafumi - SHAN, Jinhai - LIU, Hongxi - MATSUDA, Kenichi - YAMAMOTO, Masafumi - UEMURA, Tetsuya. Electrical injection of spin-polarized electrons and electrical detection of dynamic nuclear polarization using a Heusler alloy spin source. In *Physical Review B Condensed Matter and Materials Physics*. ISSN 10980121, 2013-06-17, 87, 23, 235205., SCOPUS
- [1.2] AMIRKHANYAN, S. M. - KAZARYAN, E. M. - SARKISYAN, H. A. - SARKISYAN, H. A. Spin magnetic moment current of impurity electron in a spherical quantum dot. In *Journal of Contemporary Physics*. ISSN 10683372, 2014-01-01, 49, 6, pp. 264-271., SCOPUS
- [1.2] ANDO, Kazuya - ANDO, Kazuya. Dynamical generation of spin currents. In *Semiconductor Science and Technology*. ISSN 02681242, 2014-01-01, 29, 4, 043002., SCOPUS
- [1.2] ANDO, Kazuya - SAITOH, Eiji. Observation of the inverse spin Hall effect in silicon. In *Nature Communications*, 2012-02-13, 3, pp., SCOPUS
- [1.2] APPELBAUM, Ian - TINKEY, Holly N. - LI, Pengke. Self-consistent model of spin accumulation magnetoresistance in ferromagnet/insulator/semiconductor tunnel junctions. In *Physical Review B Condensed Matter and Materials Physics*. ISSN 10980121, 2014-12-01, 90, 22, 220402., SCOPUS
- [1.2] ASHAM, Mina D. - ZEIN, Walid A. - PHILLIPS, Adel H. Photo-induced spin dynamics in nanoelectronic devices. In *Chinese Physics Letters*. ISSN 0256307X, 2012-10-01, 29, 10, pp., SCOPUS
- [1.2] AVETISYAN, Siranush - PIETILÄINEN, Pekka - CHAKRABORTY, Tapash. Strong enhancement of Rashba spin-orbit coupling with increasing anisotropy in the Fock-Darwin states of a quantum dot. In *Physical Review B Condensed Matter and Materials Physics*. ISSN 10980121, 2012-04-13, 85, 15, pp., SCOPUS
- [1.2] AVETISYAN, Siranush - PIETILÄINEN, Pekka - CHAKRABORTY, Tapash. Superintense highly anisotropic optical transitions in anisotropic quantum dots. In *Physical Review B Condensed Matter and Materials Physics*. ISSN 10980121, 2013-11-22, 88, 20, 205310., SCOPUS

- [1.2] AWAN, I. T. - GALETI, H. V A - GALVÃO GOBATO, Y. - BRASIL, M. J S P - TAYLOR, D. - HENINI, M. Effects of Be acceptors on the spin polarization of carriers in p-i-n resonant tunneling diodes. In Journal of Applied Physics. ISSN 00218979, 2014-08-07, 116, 5, 054506., SCOPUS
- [1.2] BABAZADEHHABASHI, L. - KANJOURI, F. - ELAHI, S. M. Spin-dependent transport in double-barrier magnetic tunnel junction with Dresselhaus spin-orbit interaction. In Indian Journal of Physics. ISSN 09731458, 2014-01-01, 88, 8, pp. 837-841., SCOPUS
- [1.2] BALAKIREV, N. A. - ZHIKHAREV, V. A. - GUMAROV, G. G. Investigation of magnetic properties of thin films using computer simulation. In Journal of Physics: Conference Series. ISSN 17426588, 2012-05-11, 356, 1, pp., SCOPUS
- [1.2] BALOCCHI, Andrea - AMAND, Thierry - WANG, Gang - LIU, Baoli - RENUCCI, Pierre - DUONG, Quangha - MARIE, Xavier. Electric field dependence of the spin relaxation anisotropy in (111) GaAs/AlGaAs quantum wells. In New Journal of Physics. ISSN 13672630, 2013-09-01, 15, 095016., SCOPUS
- [1.2] BAND, Yehuda B. - AVISHAI, Yshai. Quantum Mechanics with Applications to Nanotechnology and Information Science. In Quantum Mechanics with Applications to Nanotechnology and Information Science, 2012-11-01, pp. 1-971., SCOPUS
- [1.2] BANNIKOV, Vyacheslav V. - IVANOVSKIĬ, Alexander L. Ab initio search for novel bipolar magnetic semiconductors: Layered YZnAsO doped with Fe and Mn. In JETP Letters. ISSN 00213640, 2013-02-01, 96, 11, pp. 735-738., SCOPUS
- [1.2] BARBON, Antonio - BRUSTOLON, Marina. An EPR Study on Nanographites. In Applied Magnetic Resonance. ISSN 09379347, 2012-03-01, 42, 2, pp. 197-210., SCOPUS
- [1.2] BISWAS, Tutul S. - GHOSH, Tarun Kanti. Phonon-drag magnetothermopower in Rashba spin-split two-dimensional electron systems. In Journal of Physics Condensed Matter. ISSN 09538984, 2013-10-16, 25, 41., SCOPUS
- [1.2] BISWAS, Tutul S. - GHOSH, Tarun Kanti. Phonon-drag thermopower and hot-electron energy-loss rate in a Rashba spin-orbit coupled two-dimensional electron system. In Journal of Physics Condensed Matter. ISSN 09538984, 2013-07-03, 25, 26., SCOPUS
- [1.2] BISWAS, Tutul S. - GHOSH, Tarun Kanti. Acoustic phonon-limited resistivity of spin-orbit coupled two-dimensional electron gas: The deformation potential and piezoelectric scattering. In Journal of Physics Condensed Matter. ISSN 09538984, 2013-01-23, 25, 3., SCOPUS
- [1.2] BISWAS, Tutul - GHOSH, Tarun Kanti. Wave packet dynamics and zitterbewegung of heavy holes in a quantizing magnetic field. In Journal of Applied Physics. ISSN 00218979, 2014-06-07, 115, 21, 213701., SCOPUS
- [1.2] BI, Xintao - HE, Peiru - HANKIEWICZ, Ewelina M. - WINKLER, Roland W. - VIGNALE, Giovanni - CULCER, Dimitrie. Anomalous spin precession and spin Hall effect in semiconductor quantum wells. In Physical Review B Condensed Matter and Materials Physics. ISSN 10980121, 2013-07-29, 88, 3, 035316., SCOPUS
- [1.2] BOÉRIS, Guilhem - LEE, Jeongsu - VÝBORNÝ, Karel - ŽUTIĆ, Igor. Tailoring chirp in spin-lasers. In Applied Physics Letters. ISSN 00036951,

2012-03-19, 100, 12, pp., SCOPUS

[1.2] BONHOMME, Phillip - MANIPATRUNI, Sasikanth - IRAEL, Rouhollah M. - RAKHEJA, Shaloo - CHANG, Sou Chi - NIKONOV, Dmitri E. - YOUNG, Ian A. - NAEEMI, Azad. Circuit simulation of magnetization dynamics and spin transport. In IEEE Transactions on Electron Devices. ISSN 00189383, 2014-01-01, 61, 5, pp. 1553-1560., SCOPUS

[1.2] BRUSKI, Pawel - MANZKE, Yori - FARSHCHI, Rouin - BRANDT, Oliver - HERFORT, Jens - RAMSTEINER, Manfred E. All-electrical spin injection and detection in the Co₂FeSi/GaAs hybrid system in the local and non-local configuration. In Applied Physics Letters. ISSN 00036951, 2013-07-29, 103, 5, 052406., SCOPUS

[1.2] BUROBINA, V. - BINEK, Ch. Spin relaxation time dependence on optical pumping intensity in GaAs:Mn. In Journal of Applied Physics. ISSN 00218979, 2014-04-28, 115, 16, 163909., SCOPUS

[1.2] CIORGA, Mariusz - UTZ, Martin - SCHUH, Dieter - BOUGEARD, Dominique - WEIß, Dieter. Effect of contact geometry on spin-transport signals in nonlocal (Ga,Mn)As/GaAs devices. In Physical Review B Condensed Matter and Materials Physics. ISSN 10980121, 2013-10-09, 88, 15, 155308., SCOPUS

[1.2] DASH, Saroj Prasad - CARSTANJEN, Heinz Dieter. Initial stages of growth of iron on silicon for spin injection through Schottky barrier. In Physica Status Solidi (B) Basic Research. ISSN 03701972, 2011-10-01, 248, 10, pp. 2300-2304., SCOPUS

[1.2] DASH, S. P. - GOLL, D. - KOPOLD, P. - CARSTANJEN, H. D. Tunnel contacts for spin injection into silicon: The Si-Co interface with and without a MgO tunnel barrier A study by high-resolution rutherford backscattering. In Advances in Materials Science and Engineering. ISSN 16878434, 2012-01-13, 2012, pp., SCOPUS

[1.2] DASH, S. P. - SHARMA, S. - LE BRETON, J. C. - PEIRO, J. - JAFFRÈS, H. - GEORGE, J. M. - LEMAÎTRE, A. - JANSEN, R. Spin precession and inverted Hanle effect in a semiconductor near a finite-roughness ferromagnetic interface. In Physical Review B Condensed Matter and Materials Physics. ISSN 10980121, 2011-08-04, 84, 5, pp., SCOPUS

[1.2] Detection of large in-plane spin-dephasing anisotropy in [1 0 0]-grown GaAs/AlGaAs quantum wells. In Physica E: Low-Dimensional Systems and Nanostructures. ISSN 13869477, 2011-03-03, 43, 5, pp. 1127-1130., SCOPUS

[1.2] DEVIZOROVA, Zh A. - VOLKOV, Viktor A. Spin splitting of two-dimensional states in the conduction band of asymmetric heterostructures: Contribution from the atomically sharp interface. In JETP Letters. ISSN 00213640, 2013-09-01, 98, 2, pp. 101-106., SCOPUS

[1.2] DEVIZOROVA, Zh A. - DEVIZOROVA, Zh A. - SHCHEPETILNIKOV, A. V. - SHCHEPETILNIKOV, A. V. - NEFYODOV, Yu A. - VOLKOV, V. A. - VOLKOV, V. A. - KUKUSHKIN, I. V. Interface contributions to the spin-orbit interaction parameters of electrons at the (001) GaAs/AlGaAs interface. In JETP Letters. ISSN 00213640, 2014-01-01, 100, 2, pp. 102-109., SCOPUS

[1.2] DIEZ, Mathias - BURKARD, Guido. Bias-dependent D'yakonov-Perel' spin relaxation in bilayer graphene. In Physical Review B Condensed Matter and Materials Physics. ISSN 10980121, 2012-05-07, 85, 19, pp., SCOPUS

[1.2] DING, Kai He - ZHU, Zhen Gang - ZHU, Zhen Gang - SU, Gang. Spin-dependent transport and current-induced spin transfer torque in a strained

- graphene spin valve. In Physical Review B Condensed Matter and Materials Physics. ISSN 10980121, 2014-05-27, 89, 19, 195443., SCOPUS
- [1.2] DRÖGELER, Marc - VOLMER, Frank - WOLTER, Maik - TERRÉS, Bernat - TERRÉS, Bernat - WATANABE, Kenji - TANIGUCHI, Takashi - GÜNTHERODT, Gernot - STAMPFER, Christoph - STAMPFER, Christoph - BESCHOTEN, Bernd. Nanosecond spin lifetimes in single- and few-layer graphene-hBN heterostructures at room temperature. In Nano Letters. ISSN 15306984, 2014-11-12, 14, 11, pp. 6050-6055., SCOPUS
- [1.2] DUGAEV, V. K. - INGLOT, M. - SHERMAN, E. Ya - BARNAS, J. Spin Hall effect and spin current generation in two-dimensional systems with random Rashba spin-orbit coupling. In Journal of Magnetism and Magnetic Materials. ISSN 03048853, 2012-10-01, 324, 21, pp. 3573-3575., SCOPUS
- [1.2] DUGAEV, V. K. - INGLOT, M. - SHERMAN, E. Ya - BERAKDAR, J. - BARNA, J. Nonlinear anomalous hall effect and negative magnetoresistance in a system with random rashba field. In Physical Review Letters. ISSN 00319007, 2012-11-12, 109, 20, pp., SCOPUS
- [1.2] DUGAEV, V. K. - KATSNELSON, M. I. Spin relaxation related to edge scattering in graphene. In Physical Review B Condensed Matter and Materials Physics. ISSN 10980121, 2014-07-09, 90, 3, 035408., SCOPUS
- [1.2] DURNEV, M. V. - GLAZOV, M. M. - IVCHENKO, E. L. Spin-orbit splitting of valence subbands in semiconductor nanostructures. In Physical Review B Condensed Matter and Materials Physics. ISSN 10980121, 2014-02-24, 89, 7, 075430., SCOPUS
- [1.2] EBINA, Yuya - AKIHO, Takafumi - LIU, Hong Xi - YAMAMOTO, Masafumi - UEMURA, Tetsuya. Effect of CoFe insertion in Co₂MnSi/CoFe/nGaAs junctions on spin injection properties. In Applied Physics Letters. ISSN 00036951, 2014-04-28, 104, 17, 172405., SCOPUS
- [1.2] EHLERT, M. - SONG, C. - CIORGA, M. - UTZ, M. - SCHUH, D. - BOUGEARD, D. - WEISS, D. All-electrical measurements of direct spin Hall effect in GaAs with Esaki diode electrodes. In Physical Review B Condensed Matter and Materials Physics. ISSN 10980121, 2012-11-26, 86, 20, pp., SCOPUS
- [1.2] ECHEVERRÍA-ARRONDO, C. - SHERMAN, E. Ya. Spin freezing by Anderson localization in one-dimensional semiconductors. In Physical Review B Condensed Matter and Materials Physics. ISSN 10980121, 2012-02-24, 85, 8, pp., SCOPUS
- [1.2] ECHEVERRÍA-ARRONDO, C. - SHERMAN, Eugene Ya A. Position and spin control by dynamical ultrastrong spin-orbit coupling. In Physical Review B Condensed Matter and Materials Physics. ISSN 10980121, 2013-10-30, 88, 15, 155328., SCOPUS
- [1.2] ENDRES, B. - CIORGA, M. - WAGNER, R. - RINGER, S. - UTZ, M. - BOUGEARD, D. - WEISS, D. - BACK, C. H. - BAYREUTHER, G. Nonuniform current and spin accumulation in a 1 μm thick n-GaAs channel. In Applied Physics Letters. ISSN 00036951, 2012-02-27, 100, 9, pp., SCOPUS
- [1.2] FOA TORRES, Luis E F - ROCHE, Stephan - CHARLIER, Ean Christophe. Introduction to graphene-based nanomaterials: From electronic structure to quantum transport. In Introduction to Graphene-Based Nanomaterials: From Electronic Structure to Quantum Transport, 2012-01-01, pp. 1-409., SCOPUS
- [1.2] FÖLDI, Péter - SZASZKÓ-BOGÁR, Viktor - PEETERS, F. M.

High-temperature conductance of a two-dimensional superlattice controlled by spin-orbit interaction. In *Physical Review B Condensed Matter and Materials Physics*. ISSN 10980121, 2011-03-11, 83, 11, pp., SCOPUS

[1.2] FUMANI, A. Khastehdel - BEREZOVSKY, Jesse. Magnetic-field-dependent spin decoherence and dephasing in room-temperature CdSe nanocrystal quantum dots. In *Physical Review B Condensed Matter and Materials Physics*. ISSN 10980121, 2013-10-21, 88, 15, 155316., SCOPUS

[1.2] GALETI, Helder Vinicius A - BEZERRA, Anibal T. - GALVÃO GOBATO, Y. - BRASIL, Maria Jsp S P - TAYLOR, David Anthony - HENINI, Mohamed. Optical and electrical control of spin polarization of two-dimensional hole gases in p-type resonant tunnelling devices. In *Journal of Physics D: Applied Physics*. ISSN 00223727, 2013-12-18, 46, 50, 505313., SCOPUS

[1.2] GALETI, H. V A - BRASIL, M. J S P - GOBATO, Y. Galvão - HENINI, M. Voltage controlled electron spin dynamics in resonant tunnelling devices. In *Journal of Physics D: Applied Physics*. ISSN 00223727, 2014-04-25, 47, 16, 165102., SCOPUS

[1.2] GALETI, H. V A - GALVÃO GOBATO, Y. - GORDO, V. O. - DOS SANTOS, L. F. - BRASIL, M. J S P - LÓPEZ-RICHARD, V. - MARQUES, G. E. - ORLITA, M. - KUNC, J. - MAUDE, D. K. - HENINI, M. - AIREY, R. J. Magneto-optical investigation of two-dimensional gases in n-type resonant tunneling diodes. In *Semiconductor Science and Technology*. ISSN 02681242, 2012-01-01, 27, 1, pp., SCOPUS

[1.2] GALVO GOBATO, Y. - GALETI, H. V A - DOS SANTOS, L. F. - LPEZ-RICHARD, V. - CESAR, D. F. - MARQUES, G. E. - BRASIL, M. J S P - ORLITA, M. - KUNC, J. - MAUDE, D. K. - HENINI, M. - AIREY, R. J. Spin injection from two-dimensional electron and hole gases in resonant tunneling diodes. In *Applied Physics Letters*. ISSN 00036951, 2011-12-05, 99, 23, pp., SCOPUS

[1.2] GELABERT, M. M. - SERRA, L. Conductance oscillations of a spin-orbit stripe with polarized contacts. In *European Physical Journal B*. ISSN 14346028, 2011-02-01, 79, 3, pp. 341-349., SCOPUS

[1.2] GERHARDT, Nils C. - HOFMANN, Martin R. Spin-controlled vertical-cavity surface-emitting lasers. In *Advances in Optical Technologies*. ISSN 16876393, 2012-04-18, pp., SCOPUS

[1.2] GLAZOV, M. M. - SEMINA, M. A. - BADALYAN, S. M. - VIGNALE, G. Spin-current generation from Coulomb-Rashba interaction in semiconductor bilayers. In *Physical Review B Condensed Matter and Materials Physics*. ISSN 10980121, 2011-07-11, 84, 3, pp., SCOPUS

[1.2] GOLUB, Leonid E. - IVCHENKO, E. L. Spin-dependent phenomena in semiconductors in strong electric fields. In *New Journal of Physics*. ISSN 13672630, 2013-12-01, 15, 125003., SCOPUS

[1.2] GORDO, Vanessa Orsi - HERVAL, Leonilson K S - GALETI, Helder V A - GOBATO, Yara Galvão - BRASIL, Maria J S P - MARQUES, Gilmar E. - HENINI, Mohamed - AIREY, Robert J. Spin injection in n-type resonant tunneling diodes. In *Nanoscale Research Letters*. ISSN 19317573, 2012-12-18, 7, pp. 1-6., SCOPUS

[1.2] GOSWAMI, A. - YUNUS, M. - RUDEN, P. P. - SMITH, D. L. Magneto-resistance of organic spin valves due to spin-polarized tunnel injection and extraction of charge carriers. In *Journal of Applied Physics*. ISSN 00218979, 2012-02-01, 111, 3, pp., SCOPUS

- [1.2] GUIMARÃES, M. H D - ZOMER, P. J. - INGLA-AYNÉS, J. - BRANT, J. C. - TOMBROS, N. - VAN WEES, B. J. Controlling spin relaxation in hexagonal BN-encapsulated graphene with a transverse electric field. In Physical Review Letters. ISSN 00319007, 2014-08-22, 113, 8, 086602., SCOPUS
- [1.2] HAN, Wei - CHEN, J. R. - MCCREARY, K. M. - WEN, H. - KAWAKAMI, R. K. Enhanced spin injection efficiency and extended spin lifetimes in graphene spin valves. In Proceedings of SPIE The International Society for Optical Engineering. ISSN 0277786X, 2011-10-11, 8100, pp., SCOPUS
- [1.2] HAN, Wei - KAWAKAMI, R. K. Spin relaxation in single-layer and bilayer graphene. In Physical Review Letters. ISSN 00319007, 2011-07-21, 107, 4, pp., SCOPUS
- [1.2] HAN, Wei - MCCREARY, K. M. - PI, K. - WANG, W. H. - LI, Yan - WEN, H. - CHEN, J. R. - KAWAKAMI, R. K. Spin transport and relaxation in graphene. In Journal of Magnetism and Magnetic Materials. ISSN 03048853, 2012-02-01, 324, 4, pp. 369-381., SCOPUS
- [1.2] HAYDEN, Lorian X. - RAIMONDI, Roberto - FLATTÉ, Michael E. - VIGNALE, Giovanni. Intrinsic spin Hall effect at asymmetric oxide interfaces: Role of transverse wave functions. In Physical Review B Condensed Matter and Materials Physics. ISSN 10980121, 2013-08-06, 88, 7, 075405., SCOPUS
- [1.2] HENN, Tobias - KIEßLING, Tobias - MOLENKAMP, Laurens W. - REUTER, Dirk - WIECK, Andreas D. - BIERMANN, Klaus - SANTOS, Paulo V. - OSSAU, Wolfgang. Time and spatially resolved electron spin detection in semiconductor heterostructures by magneto-optical Kerr microscopy. In Physica Status Solidi (B) Basic Research. ISSN 03701972, 2014-01-01, 251, 9, pp. 1839-1849., SCOPUS
- [1.2] HERVAL, L. K S - GALETI, H. V A - GORDO ORSI, V. - GALVÃO GOBATO, Y. - BRASIL, M. J S P - TAYLOR, D. - HENINI, M. Circular polarization in n-type resonant tunneling diodes with Si delta-doping in the quantum well. In 2014 29th Symposium on Microelectronics Technology and Devices: Chip in Aracaju, SBMicro 2014, 2014-01-01., SCOPUS
- [1.2] HÖPFNER, P. - SCHÄFER, J. - FLESZAR, A. - DIL, J. H. - SLOMSKI, B. - MEIER, F. - LOHO, C. - BLUMENSTEIN, C. - PATTHEY, L. - HANKE, W. - CLAESSEN, R. Three-dimensional spin rotations at the Fermi surface of a strongly spin-orbit coupled surface system. In Physical Review Letters. ISSN 00319007, 2012-04-30, 108, 18, pp., SCOPUS
- [1.2] HÜBNER, J. - KUNZ, S. - OERTEL, S. - SCHUH, D. - POCHWAŁA, M. - DUC, H. T. - FÖRSTNER, J. - MEIER, T. - OESTREICH, M. Electron g-factor anisotropy in symmetric (110)-oriented GaAs quantum wells. In Physical Review B Condensed Matter and Materials Physics. ISSN 10980121, 2011-07-01, 84, 4, pp., SCOPUS
- [1.2] CHALAEV, Oleg - VIGNALE, G. - FLATTÉ, Michael E. Spin-orbit interaction from low-symmetry localized defects in semiconductors. In EPL. ISSN 02955075, 2012-04-01, 98, 1, pp., SCOPUS
- [1.2] CHANG, Sou Chi - MANIPATRUNI, Sasikanth - NIKONOV, Dmitri E. - YOUNG, Ian A. - NAEEMI, Azad. Design and analysis of Si interconnects for all-spin logic. In IEEE Transactions on Magnetics. ISSN 00189464, 2014-09-01, 50, 9, 3400513., SCOPUS
- [1.2] CHENG, J. L. - RIOUX, J. - SIPE, J. E. Two-photon indirect optical

injection and two-color coherent control in bulk silicon. In Physical Review B Condensed Matter and Materials Physics. ISSN 10980121, 2011-12-06, 84, 23, pp., SCOPUS

[1.2] CHEN, Sonhsien - CHEN, Chienliang - CHANG, Chingray - MAHFOUZI, Farzad. Spin-charge conversion in a multiterminal Aharonov-Casher ring coupled to precessing ferromagnets: A charge-conserving Floquet nonequilibrium Green function approach. In Physical Review B Condensed Matter and Materials Physics. ISSN 10980121, 2013-01-02, 87, 4, 045402., SCOPUS

[1.2] CHÉN, Wěi - HORSCH, Peter - MANSKE, Dirk. Flux quantization due to monopole and dipole currents. In Physical Review B Condensed Matter and Materials Physics. ISSN 10980121, 2013-06-05, 87, 21, UNSP 214502., SCOPUS

[1.2] CHEN, Wei. Inductance due to spin current. In Journal of Applied Physics. ISSN 00218979, 2014-03-21, 115, 11, 113901., SCOPUS

[1.2] CHIROLLI, Luca - VENTURELLI, Davide - TADDEI, Fabio - FAZIO, Rosario - GIOVANNETTI, Vittorio. Proposal for a Datta-Das transistor in the quantum Hall regime. In Physical Review B Condensed Matter and Materials Physics. ISSN 10980121, 2012-04-19, 85, 15, pp., SCOPUS

[1.2] INTRONATI, Guido A. - TAMBORENEA, Pablo I. - WEINMANN, Dietmar - JALABERT, Rodolfo A. Spin relaxation near the metal-insulator transition: Dominance of the Dresselhaus spin-orbit coupling. In Physical Review Letters. ISSN 00319007, 2012-01-03, 108, 1, pp., SCOPUS

[1.2] ISIĆ, Goran - INDJIN, Dragan - MILANOVI, Vitomir - RADOVANOVIĆ, Jelena - IKONIĆ, Zoran - HARRISON, Paul. Magnetotunneling in resonant tunneling structures with spin Orbit interaction. In Journal of Applied Physics. ISSN 00218979, 2011-09-15, 110, 6, pp., SCOPUS

[1.2] ISLAM, Aminul - KAFEEL, Mohd Ajmal - IQBAL, Tanzeem - HASAN, Mohd. Variability analysis of MTJ-based circuit. In Proceedings of the 2012 3rd International Conference on Computer and Communication Technology, ICCCT 2012, 2012-12-01, pp. 57-62., SCOPUS

[1.2] IVANOV, T. I. Two Anderson impurities in a two-dimensional host with Rashba spin-orbit interaction. In Physical Review B Condensed Matter and Materials Physics. ISSN 10980121, 2012-10-16, 86, 15, pp., SCOPUS

[1.2] JACQUOD, Philippe - WHITNEY, Robert S. - MEAIR, Jonathan - BÜTTIKER, Markus. Onsager relations in coupled electric, thermoelectric, and spin transport: The tenfold way. In Physical Review B Condensed Matter and Materials Physics. ISSN 10980121, 2012-10-10, 86, 15, pp., SCOPUS

[1.2] JAMSHIDI-GHALEH, K. - PHIROUZNI, A. - SHARIFNIA, R. Controllable blue-shift induced by the Rashba interaction in a two-dimensional electron gas. In Journal of Optics. ISSN 20408978, 2012-03-01, 14, 3, pp., SCOPUS

[1.2] JANSEN, Ron. Silicon spintronics. In Nature Materials. ISSN 14761122, 2012-05-01, 11, 5, pp. 400-408., SCOPUS

[1.2] JANSEN, R. - DASH, S. P. - SHARMA, S. - MIN, B. C. Silicon spintronics with ferromagnetic tunnel devices. In Semiconductor Science and Technology. ISSN 02681242, 2012-08-01, 27, 8, pp., SCOPUS

[1.2] JIANG, Jian Hua - WU, Si. Spin susceptibility and helical magnetic order at the edges/surfaces of topological insulators due to Fermi surface nesting. In Physical Review B Condensed Matter and Materials Physics. ISSN 10980121,

2011-05-23, 83, 20, pp., SCOPUS

[1.2] JIA, Chenglong - BERAKDAR, Jamal. Anisotropic thermoelectric effect in helimagnetic tunnel junctions. In Applied Physics Letters. ISSN 00036951, 2011-05-09, 98, 19, pp., SCOPUS

[1.2] JOODAKI, Mojtaba. Selected advances in nanoelectronic devices. In Lecture Notes in Electrical Engineering. ISSN 18761100, 2013-01-01, 175 LNEE, pp. 1-279., SCOPUS

[1.2] KALTENBORN, Steffen - ZHU, Yao Hui - SCHNEIDER, Hans Christian. Wave-diffusion theory of spin transport in metals after ultrashort-pulse excitation. In Physical Review B Condensed Matter and Materials Physics. ISSN 10980121, 2012-06-01, 85, 23, pp., SCOPUS

[1.2] KAMRA, Akashdeep - GHOSH, Bahniman. The role of electron-electron scattering in spin transport. In Journal of Applied Physics. ISSN 00218979, 2011-01-15, 109, 2, pp., SCOPUS

[1.2] KANG, Nam Lyong - CHOI, Sang Don. Theory of phonon-modulated electron spin relaxation time based on the projection Reduction method. In Chinese Physics B. ISSN 16741056, 2014-08-01, 23, 8, 087102., SCOPUS

[1.2] KANG, Nam Lyong - CHOI, Sang Don. Calculation of electron spin relaxation time in germanium using the projection-reduction method. In Japanese Journal of Applied Physics. ISSN 00214922, 2014-01-01, 53, 1, 013001., SCOPUS

[1.2] KANG, Nam Lyong. Electron spin relaxation times by piezoelectric and polar optical phonon scattering in GaAs. In European Physical Journal B. ISSN 14346028, 2014-01-01, 87, 5, 104., SCOPUS

[1.2] KHAMARI, Shailesh K. - DIXIT, V. K. - OAK, S. M. Numerical simulation of inverse spin Hall spectra in Pt/GaAs hybrid structure. In Journal of Physics D: Applied Physics. ISSN 00223727, 2011-07-06, 44, 26, pp., SCOPUS

[1.2] KHORDAD, Reza. Effect of magnetic field on linear and nonlinear optical properties in a parabolic cylindrical quantum dot. In Journal of Optics (India). ISSN 09728821, 2013-06-01, 42, 2, pp. 83-91., SCOPUS

[1.2] KHORDAD, R. - TAFAROJI, S. - KATEBI, R. - GHANBARI, A. Quantum wire with triangle cross section: Optical properties. In Communications in Theoretical Physics. ISSN 02536102, 2012-06-01, 57, 6, pp. 1076-1080., SCOPUS

[1.2] KNAP, Michael - VON DER LINDEN, Wolfgang - ARRIGONI, Enrico. Nonequilibrium steady state for strongly correlated many-body systems: Variational cluster approach. In Physical Review B Condensed Matter and Materials Physics. ISSN 10980121, 2011-09-27, 84, 11, pp., SCOPUS

[1.2] KOCHAN, D. - KREJČÍK, D. - NOVÁK, R. - SIEGL, P. The Pauli equation with complex boundary conditions. In Journal of Physics A: Mathematical and Theoretical. ISSN 17518113, 2012-11-09, 45, 44, pp., SCOPUS

[1.2] KORN, T. - GRIESBECK, M. - KUGLER, M. - FURTHMEIER, S. - GRADL, C. - HIRMER, M. - SCHUH, D. - WEGSCHEIDER, W. - KORZEKWA, K. - MACHNIKOWSKI, P. - KUHN, T. - GLAZOV, M. M. - SHERMAN, E. Ya - SCHÜLLER, C. Spin dynamics in two-dimensional electron and hole systems revealed by resonant spin amplification. In Proceedings of SPIE The International Society for Optical Engineering. ISSN 0277786X, 2012-12-01, 8461, pp., SCOPUS

[1.2] KORN, T. - KUGLER, M. - HIRMER, M. - SCHUH, D. -

WEGSCHEIDER, W. - SCHÜLLER, C. Resonant spin amplification of hole spin dynamics in two-dimensional hole systems: Experiment and simulation. In AIP Conference Proceedings. ISSN 0094243X, 2011-12-01, 1399, pp. 645-646., SCOPUS

[1.2] KORZEKWA, Kamil - GRADL, C. - KUGLER, Mateusz - FURTHMEIER, S. - GRIESBECK, Michael - HIRMER, Michael J. - SCHUH, Dieter - WEGSCHEIDER, Werner - KUHN, Tilmann - SCHÜLLER, Christian - KORN, Tobias - MACHNIKOWSKI, Paweł. Spin dynamics in p-doped semiconductor nanostructures subject to a magnetic field tilted from the Voigt geometry. In Physical Review B Condensed Matter and Materials Physics. ISSN 10980121, 2013-10-08, 88, 15, 155303., SCOPUS

[1.2] KUDTARKAR, Santosh Kumar. Thermo-magneto-electric currents with dynamical magnetization inhomogeneities. In Communications in Theoretical Physics. ISSN 02536102, 2011-09-01, 56, 3, pp. 504-512., SCOPUS

[1.2] KUGLER, M. - KORN, T. - HIRMER, M. - SCHUH, D. - WEGSCHEIDER, W. - SCHÜLLER, C. Controlling hole spin dynamics in two-dimensional hole systems at low temperatures. In AIP Conference Proceedings. ISSN 0094243X, 2011-12-01, 1399, pp. 729-730., SCOPUS

[1.2] KUGLER, M. - KORZEKWA, K. - MACHNIKOWSKI, P. - GRADL, C. - FURTHMEIER, S. - GRIESBECK, M. - HIRMER, M. - SCHUH, D. - WEGSCHEIDER, W. - KUHN, T. - SCHÜLLER, C. - KORN, T.

Decoherence-assisted initialization of a resident hole spin polarization in a p-doped semiconductor quantum well. In Physical Review B Condensed Matter and Materials Physics. ISSN 10980121, 2011-08-30, 84, 8, pp., SCOPUS

[1.2] KUMAR, Ashish - AKRAM, Md Waseem - DINDA, Satya Gopal - GHOSH, Bahniman. Spin relaxation in silicon nanowires. In Journal of Computational and Theoretical Nanoscience. ISSN 15461955, 2012-12-01, 9, 12, pp. 2068-2073., SCOPUS

[1.2] KUMAR, Ashish - AKRAM, M. W. - GHOSH, Bahniman. Semiclassical Monte Carlo simulation studies of spin dephasing in InP and InSb nanowires. In AIP Advances, 2012-12-01, 2, 1, pp., SCOPUS

[1.2] LECHNER, V. - GOLUB, L. E. - LOMAKINA, F. - BEL'KOV, V. V. - OLBRICH, P. - STACHEL, S. - CASPERS, I. - GRIESBECK, M. - KUGLER, M. - HIRMER, M. J. - KORN, T. - SCHÜLLER, C. - SCHUH, D. - WEGSCHEIDER, W. - GANICHEV, S. D. Spin and orbital mechanisms of the magnetogyrotropic photogalvanic effects in GaAs/Al_xGa_{1-x}As quantum well structures. In Physical Review B Condensed Matter and Materials Physics. ISSN 10980121, 2011-04-20, 83, 15, pp., SCOPUS

[1.2] LIANG, Shi Dong - HUANG, Guang Yao. Theory of spin polarization in mesoscopic spin-orbit coupling systems. In Physica B: Condensed Matter. ISSN 09214526, 2012-09-01, 407, 17, pp. 3382-3387., SCOPUS

[1.2] LIU, Genhua - CHEN, Yonghai - JIA, Caihong - HAO, Guo Dong - WANG, Zhanguo. Spin splitting modulated by uniaxial stress in InAs nanowires. In Journal of Physics Condensed Matter. ISSN 09538984, 2011-01-12, 23, 1, pp., SCOPUS

[1.2] LI, Jing - APPELBAUM, Ian. Inelastic spin depolarization spectroscopy in silicon. In Journal of Applied Physics. ISSN 00218979, 2013-07-21, 114, 3, 033705., SCOPUS

[1.2] LI, Jing - QING, Lan - DERY, Hanan - APPELBAUM, Ian. Field-induced negative differential spin lifetime in silicon. In Physical Review

Letters. ISSN 00319007, 2012-04-09, 108, 15, pp., SCOPUS

[1.2] LI, Ming - ZHANG, Rong - LIU, Bin - FU, De Yi - ZHAO, Chuan Zhen - XIE, Zi Li - XIU, Xiang Qian - ZHENG, You Dou. Study of Rashba spin splitting and intersubband spin-orbit coupling effect in AlGa_N/Ga_N quantum wells. In Wuli Xuebao/Acta Physica Sinica. ISSN 10003290, 2012-02-01, 61, 2, pp., SCOPUS

[1.2] LI, M. - ZHANG, R. - ZHANG, Z. - LIU, B. - FU, Deyi - ZHAO, C. Z. - XIE, Z. L. - XIU, X. Q. - ZHENG, Y. D. Gate voltage and structure parameter modulated spin splitting in AlGa_N/Ga_N quantum wells. In Physica Status Solidi (B) Basic Research. ISSN 03701972, 2011-01-01, 248, 1, pp. 187-192., SCOPUS

[1.2] LI, Pengke - LI, Jing - QING, Lan - DERY, Hanan - APPELBAUM, Ian. Anisotropy-driven spin relaxation in germanium. In Physical Review Letters. ISSN 00319007, 2013-12-18, 111, 25, 257204., SCOPUS

[1.2] LI, Pengke - LI, Jing - SONG, Yang - QING, Lan - DERY, Hanan - DERY, Hanan - APPELBAUM, Ian. g-factor anisotropy driven spin-relaxation in germanium. In Proceedings of SPIE The International Society for Optical Engineering. ISSN 0277786X, 2014-01-01, 9167., SCOPUS

[1.2] LI, Pengke - SONG, Yang - DERY, Hanan. Intrinsic spin lifetime of conduction electrons in germanium. In Physical Review B Condensed Matter and Materials Physics. ISSN 10980121, 2012-08-02, 86, 8, pp., SCOPUS

[1.2] LI, Yan - SINITSYN, N. - SMITH, D. L. - REUTER, D. - WIECK, A. D. - YAKOVLEV, D. R. - BAYER, M. - CROOKER, S. A. Intrinsic spin fluctuations reveal the dynamical response function of holes coupled to nuclear spin baths in (In,Ga)as quantum dots. In Physical Review Letters. ISSN 00319007, 2012-05-03, 108, 18, pp., SCOPUS

[1.2] LI, Yunpu - KING, Jonathan P. - PENG, Le - TAMARGO, Maria C. - REIMER, Jeffrey A. - MERILES, Carlos A. Helicity independent optically-pumped nuclear magnetic resonance in gallium arsenide. In Applied Physics Letters. ISSN 00036951, 2011-03-14, 98, 11, pp., SCOPUS

[1.2] LI, Zhou - CARBOTTE, J. P. Longitudinal and spin-valley Hall optical conductivity in single layer MoS₂. In Physical Review B Condensed Matter and Materials Physics. ISSN 10980121, 2012-11-21, 86, 20, pp., SCOPUS

[1.2] LI, Zhou - CARBOTTE, Jules P. Impact of electron-phonon interaction on dynamic conductivity of gapped Dirac fermions: Application to single layer MoS₂. In Physica B: Condensed Matter. ISSN 09214526, 2013-07-15, 421, pp. 97-104., SCOPUS

[1.2] LI, Zhou - CARBOTTE, Jules P. Phonon structure in dispersion curves and density of states of massive Dirac fermions. In Physical Review B Condensed Matter and Materials Physics. ISSN 10980121, 2013-07-09, 88, 4, 045417., SCOPUS

[1.2] LI, Zhou - CARBOTTE, J. P. - CARBOTTE, J. P. Particle-hole asymmetry on Hall conductivity of a topological insulator. In Physical Review B Condensed Matter and Materials Physics. ISSN 10980121, 2014-02-18, 89, 8., SCOPUS

[1.2] LONG, Nguyenhoang - MAVROPOULOS, Phivos - ZIMMERMANN, Bernd - HEERS, Swantje - BAUER, David S G - BLÜGEL, Stefan - MOKROUSOV, Yuriy. Spin relaxation and the Elliott-Yafet parameter in W(001) ultrathin films: Surface states, anisotropy, and oscillation effects. In Physical Review B Condensed Matter and Materials Physics. ISSN 10980121, 2013-06-24, 87, 22, 224420., SCOPUS

- [1.2] LÓPEZ, Rosa - LIM, Jong Soo - SÁNCHEZ, David. Fluctuation relations for spintronics. In Physical Review Letters. ISSN 00319007, 2012-06-13, 108, 24, pp., SCOPUS
- [1.2] LUNDE, Anders Mathias - PLATERO, Gloria. Hyperfine interactions in two-dimensional HgTe topological insulators. In Physical Review B Condensed Matter and Materials Physics. ISSN 10980121, 2013-09-05, 88, 11., SCOPUS
- [1.2] MAASSEN, Thomas - VAN DEN BERG, J. Jasper - IJBEMA, Natasja - FROMM, Felix - SEYLLER, Thomas - YAKIMOVA, Rositza - VAN WEES, Bart J. Long spin relaxation times in wafer scale epitaxial graphene on SiC(0001). In Nano Letters. ISSN 15306984, 2012-03-14, 12, 3, pp. 1498-1502., SCOPUS
- [1.2] MAASSEN, Thomas - VAN DEN BERG, J. Jasper - HUISMAN, Everardus H. - DIJKSTRA, Harm P. - FROMM, Felix - SEYLLER, Thomas K. - VAN WEES, Bart Jan. Localized states influence spin transport in epitaxial graphene. In Physical Review Letters. ISSN 00319007, 2013-02-06, 110, 6, 067209., SCOPUS
- [1.2] MAASSEN, T. - DEJENE, F. K. - GUIMARÃES, M. H D - JÓZSA, C. - VAN WEES, B. J. Comparison between charge and spin transport in few-layer graphene. In Physical Review B Condensed Matter and Materials Physics. ISSN 10980121, 2011-03-08, 83, 11, pp., SCOPUS
- [1.2] MAASSEN, T. - VERA-MARUN, I. J. - GUIMARÃES, M. H D - VAN WEES, B. J. Contact-induced spin relaxation in Hanle spin precession measurements. In Physical Review B Condensed Matter and Materials Physics. ISSN 10980121, 2012-12-07, 86, 23, pp., SCOPUS
- [1.2] MARCHETTI, Gionni - HODGSON, Matthew - D'AMICO, Irene. Spin decoherence in n-type GaAs: The effectiveness of the third-body rejection method for electron-electron scattering. In Journal of Applied Physics. ISSN 00218979, 2014-01-01, 116, 16, 163702., SCOPUS
- [1.2] MARCHETTI, Gionni - HODGSON, Matthew - MCHUGH, James - CHANTRELL, Roy - D'AMICO, Irene. Spin relaxation in GaAs: Importance of electron-electron interactions. In Materials, 2014-01-01, 7, 4, pp. 2795-2814., SCOPUS
- [1.2] MAWRIE, Alestin - BISWAS, Tutul - GHOSH, Tarun Kanti. Magnetotransport properties of 2D fermionic systems with k-cubic Rashba spin-orbit interaction. In Journal of Physics Condensed Matter. ISSN 09538984, 2014-10-08, 26, 40, 405301., SCOPUS
- [1.2] MA, Hong - JIN, Zuanming - WANG, Lihua - MA, Guohong. Electron spin relaxation in intrinsic bulk InP semiconductor. In Journal of Applied Physics. ISSN 00218979, 2011-01-15, 109, 2, pp., SCOPUS
- [1.2] MINESHIGE, S. - KAWABATA, S. - FANIEL, S. - WAUGH, J. - SEKINE, Y. - KOGA, T. Semiclassical interpretation of the spin interference effect observed in square loop arrays of In_{0.53}Ga_{0.47}As/In_{0.52}Al_{0.48}As quantum wells. In Physical Review B Condensed Matter and Materials Physics. ISSN 10980121, 2011-12-27, 84, 23, pp., SCOPUS
- [1.2] NIKETIĆ, Nemanja - MILANOVIĆ, Vitomir - RADOVANOVIĆ, Jelena. Properties of the resonant tunneling diode in external magnetic field with inclusion of the Rashba effect. In Solid State Communications. ISSN 00381098, 2014-01-01, 189, pp. 52-57., SCOPUS
- [1.2] OLBRICH, P. - ZOTH, C. - LUTZ, P. - DREXLER, C. - BEL'KOV, V.

- V. - TERENCEV, Ya V. - TARASENKO, S. A. - SEMENOV, A. N. - IVANOV, S. V. - YAKOVLEV, D. R. - WOJTOWICZ, T. - WURSTBAUER, U. - SCHUH, D. - GANICHEV, S. D. Spin-polarized electric currents in diluted magnetic semiconductor heterostructures induced by terahertz and microwave radiation. In Physical Review B Condensed Matter and Materials Physics. ISSN 10980121, 2012-08-16, 86, 8, pp., SCOPUS
- [1.2] OLTSCHER, M. - CIORGA, M. - UTZ, M. - SCHUH, D. - BOUGEARD, D. - WEISS, D. Electrical spin injection into high mobility 2D systems. In Physical Review Letters. ISSN 00319007, 2014-12-04, 113, 23, 236602., SCOPUS
- [1.2] PEREYRA, P. - WEISS, D. A glance at physical properties when accurate or approximate Esaki barriers are considered for F/N semiconductor structures. In Physica B: Condensed Matter. ISSN 09214526, 2014-12-15, 455, pp. 96-98., SCOPUS
- [1.2] PERSANO ADORNO, D. - GRACEFFA, C. - PIZZOLATO, N. - LODATO, M. A. Monte Carlo simulation of spin relaxation of conduction electrons in silicon | Laidumo elektronu(ogonek) sukiniu(ogonek) relaksacijos silicyje modeliavimas monte karlo metodu. In Lithuanian Journal of Physics. ISSN 16488504, 2014-04-14, 54, 1, pp. 25-28., SCOPUS
- [1.2] PIKE, Nicholas A. - STROUD, David. Model for the spin-dependent Seebeck coefficient of InSb in a magnetic field. In Physical Review B Condensed Matter and Materials Physics. ISSN 10980121, 2014-11-25, 90, 17, UNSP 174435., SCOPUS
- [1.2] PU, Yong - BEARDSLEY, J. - ODENTHAL, Patrick Michael - SWARTZ, Adrian G. - KAWAKAMI, Roland - HAMMEL, Peter Chris - JOHNSTON-HALPERIN, Ezekiel - SINOVA, Jairo - PELZ, Jonathan P. Correlation of electrical spin injection and non-linear charge-transport in Fe/MgO/Si. In Applied Physics Letters. ISSN 00036951, 2013-07-01, 103, 1, 012402., SCOPUS
- [1.2] QUAST, J. H. - HENN, Tobias R. - KIEBLING, Tobias Reinhold - OSSAU, Wolfgang J. - MOLENKAMP, Laurens W. - REUTER, Dirk - WIECK, Andreas Dirk. Hot carrier effects on lateral electron spin diffusion in n-type GaAs. In Physical Review B Condensed Matter and Materials Physics. ISSN 10980121, 2013-05-09, 87, 20, 205203., SCOPUS
- [1.2] RAKHEJA, Shaloo - CHANG, Souchi - NAEEMI, Azad. Impact of dimensional scaling and size effects on spin transport in copper and aluminum interconnects. In IEEE Transactions on Electron Devices. ISSN 00189383, 2013-10-17, 60, 11, pp. 3913-3919., SCOPUS
- [1.2] RAKHEJA, Shaloo - NAEEMI, Azad. Interconnection aspects of spin torque devices: Delay, energy-per-bit, and circuit size modeling. In Proceedings of the 12th International Symposium on Quality Electronic Design, ISQED 2011, 2011-06-22, pp. 736-744., SCOPUS
- [1.2] RAKHEJA, Shaloo - NAEEMI, Azad. On physical limits and challenges of interconnects for spin devices. In Proceedings of the IEEE Conference on Nanotechnology. ISSN 19449399, 2011-12-01, pp. 1389-1394., SCOPUS
- [1.2] RAKHEJA, Shaloo - NAEEMI, Azad. Graphene nanoribbon spin interconnects for nonlocal spin-torque circuits: Comparison of performance and energy per bit with CMOS interconnects. In IEEE Transactions on Electron Devices. ISSN 00189383, 2012-01-01, 59, 1, pp. 51-59., SCOPUS

- [1.2] RAKHEJA, Shaloo - NAEEMI, Azad. Modeling interconnects for post-CMOS devices and comparison with copper interconnects. In IEEE Transactions on Electron Devices. ISSN 00189383, 2011-05-01, 58, 5, pp. 1319-1328., SCOPUS
- [1.2] RAKHEJA, Shaloo - NAEEMI, Azad. Roles of doping, temperature, and electric field on spin transport through semiconducting channels in spin valves. In IEEE Transactions on Nanotechnology. ISSN 1536125X, 2013-09-17, 12, 5, pp. 796-805., SCOPUS
- [1.2] RAMOS, J. G G S - BARBOSA, A. L R - BAZEIA, D. - HUSSEIN, M. S. - LEWENKOPF, C. H. Generalized correlation functions for conductance fluctuations and the mesoscopic spin Hall effect. In Physical Review B Condensed Matter and Materials Physics. ISSN 10980121, 2012-12-11, 86, 23, pp., SCOPUS
- [1.2] RAMSTEINER, Manfred E. - MANZKE, Yori - BRUSKI, Pawel - FARSHCHI, Rouin - HERFORT, Jens. Nonlocal, local and extraction spin valves based on ferromagnet/ semiconductor hybrid structures consisting of the Heusler alloy Co₂FeSi on GaAs. In Proceedings of SPIE The International Society for Optical Engineering. ISSN 0277786X, 2013-12-01, 8813., SCOPUS
- [1.2] RESTREPO, O. D. - WINDL, W. Full first-principles theory of spin relaxation in group-IV materials. In Physical Review Letters. ISSN 00319007, 2012-10-17, 109, 16, pp., SCOPUS
- [1.2] ROCHE, Stephan - ROCHE, Stephan - VALENZUELA, Sergio O. - VALENZUELA, Sergio O. Graphene spintronics: Puzzling controversies and challenges for spin manipulation. In Journal of Physics D: Applied Physics. ISSN 00223727, 2014-03-05, 47, 9, 094011., SCOPUS
- [1.2] ROUNDY, R. C. - RAIKH, M. E. Spin relaxation of a diffusively moving carrier in a random hyperfine field. In Physical Review B Condensed Matter and Materials Physics. ISSN 10980121, 2014-11-12, 90, 20, 201203., SCOPUS
- [1.2] SARIKURT, S. - SARIKURT, S. - ŞAKIROĞLU, S. - AKGÜNGÖR, K. - SÖKMEN, I. Spin texturing in a parabolically confined quantum wire with Rashba and Dresselhaus spin Orbit interactions. In Chinese Physics B. ISSN 16741056, 2014-01-01, 23, 1, 017102., SCOPUS
- [1.2] SASAKI, Tomoyuki - SUZUKI, Toshio - ANDO, Yuichiro - KOIKE, Hayato - OIKAWA, Tohru - SUZUKI, Yoshishige - SHIRAISHI, Masashi - SHIRAISHI, Masashi. Local magnetoresistance in Fe/MgO/Si lateral spin valve at room temperature. In Applied Physics Letters. ISSN 00036951, 2014-01-01, 104, 5, 052404., SCOPUS
- [1.2] SHAKOURI, Kh - BADALYAN, Samvel M. - PEETERS, François Maria. Helical liquid of snake states. In Physical Review B Condensed Matter and Materials Physics. ISSN 10980121, 2013-11-07, 88, 19, 195404., SCOPUS
- [1.2] SHARMA, Sandeep Kumar - SPIESSER, Aurélie - SAITO, Hidekazu - YUASA, Shinji - VAN WEES, Bart Jan - JANSEN, Ron H S. Crystal-induced anisotropy of spin accumulation in Si/MgO/Fe and Si/Al₂O₃/ferromagnet tunnel devices. In Physical Review B Condensed Matter and Materials Physics. ISSN 10980121, 2013-02-13, 87, 8, 085307., SCOPUS
- [1.2] SHARMA, S. - DASH, S. P. - SAITO, H. - YUASA, S. - VAN WEES, B. J. - JANSEN, R. Anisotropy of spin polarization and spin accumulation in Si/Al₂O₃/ferromagnet tunnel devices. In Physical Review B Condensed Matter and Materials Physics. ISSN 10980121, 2012-10-08, 86, 16,

pp., SCOPUS

[1.2] SHARMA, S. - SHARMA, S. - SPIESSER, A. - DASH, S. P. - IBA, S. - WATANABE, S. - WATANABE, S. - VAN WEES, B. J. - SAITO, H. - YUASA, S. - JANSEN, R. Anomalous scaling of spin accumulation in ferromagnetic tunnel devices with silicon and germanium. In Physical Review B Condensed Matter and Materials Physics. ISSN 10980121, 2014-02-03, 89, 7, 075301., SCOPUS

[1.2] SHEN, Ka - RAIMONDI, R. - VIGNALE, G. - VIGNALE, G. Theory of coupled spin-charge transport due to spin-orbit interaction in inhomogeneous two-dimensional electron liquids. In Physical Review B Condensed Matter and Materials Physics. ISSN 10980121, 2014-12-18, 90, 24, 245302., SCOPUS

[1.2] SHEN, Ka - VIGNALE, Giovanni. Collective spin hall effect for electron-hole gratings. In Physical Review Letters. ISSN 00319007, 2013-09-27, 111, 13, 136602., SCOPUS

[1.2] SHEN, Ka - VIGNALE, G. - VIGNALE, G. - RAIMONDI, R. Microscopic theory of the inverse Edelstein effect. In Physical Review Letters. ISSN 00319007, 2014-03-05, 112, 9, 096601., SCOPUS

[1.2] SHEN, K. - FU, J. Y. - WU, M. W. Spinorbit coupling and g-factor of X-valley in cubic GaN. In Solid State Communications. ISSN 00381098, 2011-12-01, 151, 24, pp. 1924-1926., SCOPUS

[1.2] SHEN, K. - WU, M. W. Electron spin rephasing in n-type (001) GaAs quantum wells. In Semiconductor Science and Technology. ISSN 02681242, 2012-06-01, 27, 6, pp., SCOPUS

[1.2] SHERMAN, E. Ya - DUGAEV, V. K. - GLAZOV, M. M. - BARNAS', J. Magnetoresistance of two-dimensional electrons with spin-orbit coupling disorder. In Journal of Physics: Conference Series. ISSN 17426588, 2012-12-31, 393, pp., SCOPUS

[1.2] SCHLIEMANN, John. Dielectric function of the semiconductor hole liquid: Full frequency and wave-vector dependence. In Physical Review B Condensed Matter and Materials Physics. ISSN 10980121, 2011-10-12, 84, 15, pp., SCOPUS

[1.2] SCHOLZ, Andreas - DOLLINGER, Tobias - WENK, Paul - RICHTER, Klaus K. - SCHLIEMANN, John. Plasmons in spin-orbit coupled two-dimensional hole gas systems. In Physical Review B Condensed Matter and Materials Physics. ISSN 10980121, 2013-02-27, 87, 8, 085321., SCOPUS

[1.2] SIMOV, Kiril R. - NOLPH, Christopher A. - REINKE, Petra. Guided self-assembly of Mn wires on the Si(100)(2 × 1) surface. In Journal of Physical Chemistry C. ISSN 19327447, 2012-01-19, 116, 2, pp. 1670-1678., SCOPUS

[1.2] SMIRNOV, Sergey. Anomalous Cherenkov spin-orbit sound. In Physical Review B Condensed Matter and Materials Physics. ISSN 10980121, 2011-02-16, 83, 8, pp., SCOPUS

[1.2] SONG, Yang - CHALAEV, Oleg - DERY, Hanan - DERY, Hanan. Donor-driven spin relaxation in multivalley semiconductors. In Physical Review Letters. ISSN 00319007, 2014-10-13, 113, 16, 167201., SCOPUS

[1.2] SOSENKO, Evan - WEI, Huazhou - AJI, Vivek. Effect of contacts on spin lifetime measurements in graphene. In Physical Review B Condensed Matter and Materials Physics. ISSN 10980121, 2014-06-23, 89, 24, 245436., SCOPUS

[1.2] SOTHMANN, Björn. Electronic waiting-time distribution of a quantum-dot spin valve. In Physical Review B Condensed Matter and Materials Physics. ISSN 10980121, 2014-10-27, 90, 15, 155315., SCOPUS

- [1.2] Spin transport in high-quality suspended graphene devices. In Nano Letters. ISSN 15306984, 2012-07-11, 12, 7, pp. 3512-., SCOPUS
- [1.2] STICKLER, Benjamin A. - POSSANNER, Stefan K. Derivation of a linear collision operator for the spinorial Wigner equation and its semiclassical limit. In Physical Review A Atomic, Molecular, and Optical Physics. ISSN 10502947, 2013-07-25, 88, 1, 012125., SCOPUS
- [1.2] SUN, B. Y. - SHEN, K. Spin diffusion in n-type (111) GaAs quantum wells. In Solid State Communications. ISSN 00381098, 2011-10-01, 151, 19, pp. 1322-1325., SCOPUS
- [1.2] TABERT, C. J. - NICOL, Erwan J. Valley-spin polarization in the magneto-optical response of silicene and other similar 2D crystals. In Physical Review Letters. ISSN 00319007, 2013-05-07, 110, 19, 197402., SCOPUS
- [1.2] TABERT, C. J. - TABERT, C. J. - CARBOTTE, J. P. - CARBOTTE, J. P. Magnetization of the metallic surface states in topological insulators. In Journal of Physics Condensed Matter. ISSN 09538984, 2014-01-14, 27, 1., SCOPUS
- [1.2] TAKAMURA, Yota - SUGAHARA, Satoshi. Analysis and design of hanle-effect spin transistors at 300 K. In IEEE Magnetism Letters. ISSN 1949307X, 2011-12-01, 2, pp., SCOPUS
- [1.2] TAKAMURA, Yota - SUGAHARA, Satoshi. Analysis and control of the Hanle effect in metal-oxide-semiconductor inversion channels. In Journal of Applied Physics. ISSN 00218979, 2012-04-01, 111, 7, pp., SCOPUS
- [1.2] TINKEY, Holly N. - LI, Pengke - APPELBAUM, Ian. Inelastic electron tunneling spectroscopy of local " spin accumulation" devices. In Applied Physics Letters. ISSN 00036951, 2014-06-09, 104, 23, 232410., SCOPUS
- [1.2] TOKATLY, Ilya V. - SHERMAN, Eugene Ya A. Spin dynamics of cold fermions with synthetic spin-orbit coupling. In Physical Review A Atomic, Molecular, and Optical Physics. ISSN 10502947, 2013-04-16, 87, 4, 041602., SCOPUS
- [1.2] TOMMASINI, M. - CASTIGLIONI, C. - ZERBI, G. - BARBON, A. - BRUSTOLON, M. A joint Raman and EPR spectroscopic study on ball-milled nanographites. In Chemical Physics Letters. ISSN 00092614, 2011-11-18, 516, 4-6, pp. 220-224., SCOPUS
- [1.2] TONG, H. - WU, M. W. Multivalley spin relaxation in n-type bulk GaAs in the presence of high electric fields. In Physical Review B Condensed Matter and Materials Physics. ISSN 10980121, 2012-02-07, 85, 7, pp., SCOPUS
- [1.2] TRAN, T. Lan Anh - LE, T. Quyen - SANDERINK, Johnny G M - VAN DER WIEL, Wilfred G. - DE JONG, Michel P. The multistep tunneling analogue of conductivity mismatch in organic spin valves. In Advanced Functional Materials. ISSN 1616301X, 2012-03-21, 22, 6, pp. 1180-1189., SCOPUS
- [1.2] TYAGI, Pawan. Multilayer edge molecular electronics devices: A review. In Journal of Materials Chemistry. ISSN 09599428, 2011-04-07, 21, 13, pp. 4733-4742., SCOPUS
- [1.2] UEMURA, Tetsuya - KONDO, Kenji - FUJISAWA, Jun - MATSUDA, Ken Ichi - YAMAMOTO, Masafumi. Critical effect of spin-dependent transport in a tunnel barrier on enhanced Hanle-type signals observed in three-terminal geometry. In Applied Physics Letters. ISSN 00036951, 2012-09-24, 101, 13, pp., SCOPUS
- [1.2] VALÍN-RODRÍGUEZ, Manuel. Predicted signatures of the intrinsic

- spin Hall effect in closed systems. In Physical Review Letters. ISSN 00319007, 2011-12-19, 107, 26, pp., SCOPUS
- [1.2] VAN DEN BERG, T. L. - RAYMOND, L. - VERGA, A. Dynamical spin Hall conductivity in a magnetic disordered system. In Physical Review B Condensed Matter and Materials Physics. ISSN 10980121, 2011-12-27, 84, 24, pp., SCOPUS
- [1.2] VEDYAYEV, Anatoly V. - TITOVA, M. S. - RYZHANOVA, N. V. - ZHURAVLEV, Michail Ye - TSYMBAL, Evgeny Yu. Anomalous and spin Hall effects in a magnetic tunnel junction with Rashba spin-orbit coupling. In Applied Physics Letters. ISSN 00036951, 2013-07-15, 103, 3, 032406., SCOPUS
- [1.2] VÖLKL, R. - SCHWEMMER, M. - GRIESBECK, M. - TARASENKO, S. A. - SCHUH, D. - WEGSCHEIDER, W. - SCHÜLLER, C. - KORN, T. Spin polarization, dephasing, and photoinduced spin diffusion in (110)-grown two-dimensional electron systems. In Physical Review B Condensed Matter and Materials Physics. ISSN 10980121, 2014-02-21, 89, 7, 075424., SCOPUS
- [1.2] VOLKOV, Nikita V. - TARASOV, Anton S. - EREMIN, Evgeny V. - BARON, Fabien A. - VARNAKOV, S. N. - OVCHINNIKOV, Sergei G. Extremely large magnetoresistance induced by optical irradiation in the Fe/SiO₂/p-Si hybrid structure with Schottky barrier. In Journal of Applied Physics. ISSN 00218979, 2013-09-07, 114, 9, 093903., SCOPUS
- [1.2] VOLMER, Frank - DRÖGELER, M. - MAYNICKE, Eva - VON DEN DRIESCH, N. - BOSCHEN, M. L. - GÜNTHERODT, Gernot - BESCHOTEN, Bernd. Role of MgO barriers for spin and charge transport in Co/MgO/graphene nonlocal spin-valve devices. In Physical Review B Condensed Matter and Materials Physics. ISSN 10980121, 2013-10-21, 88, 16, 161405., SCOPUS
- [1.2] VOLMER, F. - DRÖGELER, M. - MAYNICKE, E. - VON DEN DRIESCH, N. - BOSCHEN, M. L. - GÜNTHERODT, G. - STAMPFER, C. - BESCHOTEN, B. Suppression of contact-induced spin dephasing in graphene/MgO/Co spin-valve devices by successive oxygen treatments. In Physical Review B Condensed Matter and Materials Physics. ISSN 10980121, 2014-10-03, 90, 16, 165403., SCOPUS
- [1.2] WANG, Gang - YE, Hui Qi - SHI, Zhen Wu - WANG, Wen Xin - XAVIER, Marie - ANDREA, Balocchi - THIERRY, Amand - LIU, Bao Li. Spin dynamics in (111) GaAs/AlGaAs undoped asymmetric quantum wells. In Chinese Physics Letters. ISSN 0256307X, 2012-09-01, 29, 9, pp., SCOPUS
- [1.2] WANG, L. - WU, M. W. Hole spin relaxation in p-type (111) GaAs quantum wells. In Physical Review B Condensed Matter and Materials Physics. ISSN 10980121, 2012-06-12, 85, 23, pp., SCOPUS
- [1.2] WANG, Wei - ZHANG, Minghua. Spin orbit coupling in InSb multi-valleys. In 2011 International Conference on Multimedia Technology, ICMT 2011, 2011-09-23, pp. 6023-6024., SCOPUS
- [1.2] WENG, Mingqi - WU, Ming. Spin-charge separation in bipolar spin transport in (111) GaAs quantum wells. In Physical Review B Condensed Matter and Materials Physics. ISSN 10980121, 2013-11-25, 88, 19, 195310., SCOPUS
- [1.2] WENG, M. Q. - WU, M. W. Microscopic theory for Doppler velocimetry of spin propagation in semiconductor quantum wells. In Physical Review B Condensed Matter and Materials Physics. ISSN 10980121, 2012-11-08, 86, 20, pp., SCOPUS
- [1.2] WOJTASZEK, Magdalena - VERA MARÚN, Ivan J. - MAASSEN,

Thomas - VAN WEES, Bart Jan. Enhancement of spin relaxation time in hydrogenated graphene spin-valve devices. In Physical Review B Condensed Matter and Materials Physics. ISSN 10980121, 2013-02-06, 87, 8, 081402., SCOPUS

[1.2] WOJTASZEK, M. - VERA-MARUN, I. J. - VAN WEES, B. J. Transition between one-dimensional and zero-dimensional spin transport studied by Hanle precession. In Physical Review B Condensed Matter and Materials Physics. ISSN 10980121, 2014-06-18, 89, 24, 245427., SCOPUS

[1.2] WYSOKISKI, Karol Izydor. Thermoelectric transport in the three terminal quantum dot. In Journal of Physics Condensed Matter. ISSN 09538984, 2012-08-22, 24, 33, pp., SCOPUS

[1.2] XIAO, Xianbo - CHEN, Zhaoxia - NIE, Wenjie - ZHOU, Guanghui - LI, Fei. Rashba-Zeeman-effect-induced spin filtering energy windows in a quantum wire. In Journal of Applied Physics. ISSN 00218979, 2014-06-14, 115, 22, 223709., SCOPUS

[1.2] XU, Qingyu - WEN, Zheng - XU, Liguang - GAO, Jinlong - WU, Di - SHEN, Kai - QIU, Teng - TANG, Shaolong - XU, Mingxiang. Room temperature ferromagnetic pure ZnO. In Physica B: Condensed Matter. ISSN 09214526, 2011-01-11, 406, 1, pp. 19-23., SCOPUS

[1.2] YANG, H. X. - CHSHIEV, M. - DIENY, B. - LEE, J. H. - MANCHON, A. - SHIN, K. H. First-principles investigation of the very large perpendicular magnetic anisotropy at Fe|MgO and Co|MgO interfaces. In Physical Review B Condensed Matter and Materials Physics. ISSN 10980121, 2011-08-01, 84, 5, pp., SCOPUS

[1.2] YANG, Luyi - KORALEK, J. D. - ORENSTEIN, J. - TIBBETTS, D. R. - RENO, J. L. - LILLY, M. P. Measurement of electron-hole friction in an n-doped GaAs/AlGaAs quantum well using optical transient grating spectroscopy. In Physical Review Letters. ISSN 00319007, 2011-06-13, 106, 24, pp., SCOPUS

[1.2] YE, Huiqi - HU, Changcheng - WANG, Gang - ZHAO, Hongming - TIAN, Haitao - ZHANG, Xiuwen - WANG, Wenxin - LIU, Baoli. Anisotropic in-plane spin splitting in an asymmetric (001) GaAs/AlGaAs quantum well. In Nanoscale Research Letters. ISSN 19317573, 2011-12-01, 6, pp. 1-5., SCOPUS

[1.2] YE, H. Q. - WANG, G. - LIU, B. L. - SHI, Z. W. - WANG, W. X. - FONTAINE, C. - BALOCCHI, A. - AMAND, T. - LAGARDE, D. - RENUCCI, P. - MARIE, X. Growth direction dependence of the electron spin dynamics in (111) GaAs quantum wells. In Applied Physics Letters. ISSN 00036951, 2012-07-16, 101, 3, pp., SCOPUS

[1.2] YUE, Han - ZHAO, Chunbo - GAO, Haixia - WANG, Hailong - YU, Xuezhe - ZHAO, Jianhua - ZHANG, Xinhui. Electron spin dynamics of ferromagnetic Ga_{1-x}Mn_xAs across the insulator-to-metal transition. In Applied Physics Letters. ISSN 00036951, 2013-03-11, 102, 10, 102412., SCOPUS

[1.2] YUE, Han. Ultrafast electron spin dynamics of as-grown Ga_{1-x}Mn_xAs with appropriate Mn doping. In Modern Physics Letters B. ISSN 02179849, 2013-06-30, 27, 16, 1350124., SCOPUS

[1.2] YU, T. - WU, Ming. Spin relaxation in an ultracold spin-orbit-coupled 40K gas. In Physical Review A Atomic, Molecular, and Optical Physics. ISSN 10502947, 2013-10-22, 88, 4, 043634., SCOPUS

[1.2] YU, T. - WU, M. W. Anomalous D'yakonov-Perel' spin relaxation in InAs (110) quantum wells under strong magnetic field: Role of Hartree-Fock

- self-energy. In Physical Review B Condensed Matter and Materials Physics. ISSN 10980121, 2014-01-06, 89, 4, 045303., SCOPUS
- [1.2] YU, T. - WU, M. W. Theory of optical excitation spectra and depolarization dynamics in bilayer WS₂ from the viewpoint of excimers. In Physical Review B Condensed Matter and Materials Physics. ISSN 10980121, 2014-07-23, 90, 3, 035437., SCOPUS
- [1.2] ZAKHVALINSKIĬ, Vasilii S. - LASKHUL, A. - LÄHDERANTA, Erkki M. - SAVITSKIY, M. - PILYUK, E. A. - SHAKHOV, M. A. Galvanomagnetic properties of La_{0.7}Sr_{0.3}Mn_{0.9}Cu_{0.1}O₃. In Physics of the Solid State. ISSN 10637834, 2013-02-15, 55, 2, pp. 309-313., SCOPUS
- [1.2] Zero-field spin splitting in a two-dimensional electron gas with the spin-orbit interaction revisited. In Journal of Physics Condensed Matter. ISSN 09538984, 2012-01-25, 24, 3, pp., SCOPUS
- [1.2] ZHANG, P. - WU, M. W. Electron spin diffusion and transport in graphene. In Physical Review B Condensed Matter and Materials Physics. ISSN 10980121, 2011-07-06, 84, 4, pp., SCOPUS
- [1.2] ZHANG, P. - WU, M. W. Electron spin diffusion at the interface of multiferroic oxides. In Physical Review B Condensed Matter and Materials Physics. ISSN 10980121, 2011-07-11, 84, 1, pp., SCOPUS
- [1.2] ZHAO, Chunbo - YAN, Tengfei - NI, Haiqiao - NIU, Zhichuan - ZHANG, Xinhui. Electron spin dynamics study of bulk p-GaAs: The screening effect. In Applied Physics Letters. ISSN 00036951, 2013-01-07, 102, 1, 012406., SCOPUS
- [1.2] ZHOU, Yong - YU, T. - WU, Ming. Anomalous D'yakonov-Perel' spin relaxation in semiconductor quantum wells under a strong magnetic field in the Voigt configuration. In Physical Review B Condensed Matter and Materials Physics. ISSN 10980121, 2013-06-07, 87, 24, 245304., SCOPUS
- [1.2] ZHUKOV, E. A. - YUGOV, O. A. - YUGOVA, I. A. - YAKOVLEV, D. R. - KARCZEWSKI, G. - WOJTOWICZ, T. - KOSSUT, J. - BAYER, M. Resonant spin amplification of resident electrons in CdTe/(Cd,Mg)Te quantum wells subject to tilted magnetic fields. In Physical Review B Condensed Matter and Materials Physics. ISSN 10980121, 2012-12-17, 86, 24, pp., SCOPUS
- [1.2] ZOŁNIERKIEWICZ, Grzegorz - TYPEK, Janusz - GUSKOS, Nikos - NARKIEWICZ, Urszula - SIBERA, Daniel. Magnetic resonance study of nanocrystalline 0.10MnO/0.90ZnO. In Central European Journal of Physics. ISSN 18951082, 2013-01-01, 11, 2, pp. 226-230., SCOPUS
- [1.2] ZYUZIN, A. A. - ZYUZIN, A. Yu. Correlation effects in disordered conductors with spin accumulation. In Physical Review B Condensed Matter and Materials Physics. ISSN 10980121, 2013-04-22, 87, 16, 265129., SCOPUS

ADDA06 GENDIAR, Andrej - NISHINO, T. - DERIAN, René. Estimation of the magnetic critical exponent by tensor product variational approach. In *Acta Physica Slovaca : journal for experimental and theoretical physics*, 2005, vol. 55, no. 2, p. 141-148. (0.513 - IF2004). (2005 - Current Contents, SCOPUS). ISSN 0323-0465.

Ohlasy:

- [1.1] BAUER, B. - CORBOZ, P. - ORUS, R. - TROYER, M. In PHYSICAL REVIEW B. MAR 18 2011, vol. 83, no. 12., WOS
- [1.1] PHIEN, H.N. - VIDAL, G. - MCCULLOCH, I.P. In PHYSICAL REVIEW B. DEC 10 2012, vol. 86, no. 24., WOS

ADDA07 HAMILTON, J.H. - RAMAYYA, A.V. - HWANG, J.K. - GREIENR, W. - ZHU, S.J. - SANDULESCU, A. - FLORESCCU, 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] BROWNE, E. - TULI, J. K. Nuclear Data Sheets for A=143. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2012, vol. 113, no. 3, pp. 715., WOS

[1.1] KUNHIKRISHNAN, P. V. - SANTHOSH, K. P. Role of energy cost in the yield of cold ternary fission of Cf-252. In PRAMANA-JOURNAL OF PHYSICS. ISSN 0304-4289, 2013, vol. 80, no. 1, pp. 81., WOS

ADDA08 HARTMANOVÁ, Mária - KUNDRACIK, F. - SCHNEIDER, J. - ORESHNIKOVA, T.V. Electrical response of doped yttria stabilized zirconia. In *Acta Physica Slovaca*, 1999, vol. 49, no. 3, p. 419-428. (1999 - Current Contents). ISSN 0323-0465.

Ohlasy:

[1.1] ABU-SAMAHA, F. S. H. - ISMAIL, M. I. M. AC conductivity of nanoparticles $\text{Co}_x\text{Fe}_{(1-x)}\text{Fe}_2\text{O}_4$ ($x=0, 0.25$ and 1) ferrites. In MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING. ISSN 1369-8001, 2014, vol. 19, pp. 50., WOS

[1.1] HEIBA, Zein K. - MOHAMED, Mohamed Bakr - AHMED, M. A. - MOUSSA, M. A. A. - HAMDEH, H. H. Cation distribution and dielectric properties of nanocrystalline gallium substituted nickel ferrite. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2014, vol. 586, pp. 773., WOS

[1.2] RAMESH, B. - RAMESH, S. - KUMAR, R. Vijaya - RAO, M. Lakshmi pathi. AC impedance studies on $\text{LiFe}_5\text{-xMn}_x\text{O}_8$ ferrites. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2012, vol. 513, pp. 289., 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. (0.625 - IF2007). (2008 - SCOPUS). ISSN 0323-0465.

Ohlasy:

[1.1] GARCIA-MATA, Ignacio - PINEDA, Carlos - WISNIACKI, Diego A. Quantum non-Markovian behavior at the chaos border. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2014, vol. 47, no. 11, 115301., WOS

[1.1] MISZCZAK, Jaroslaw Adam. SINGULAR VALUE DECOMPOSITION AND MATRIX REORDERINGS IN QUANTUM INFORMATION THEORY. In INTERNATIONAL JOURNAL OF MODERN PHYSICS C, 2011, vol.22, no.9, 897., WOS

[1.1] MISZCZAK, Jaroslaw Adam. Generating and using truly random quantum states in Mathematica. In COMPUTER PHYSICS

COMMUNICATIONS. ISSN 0010-4655, 2012, vol. 183, no. 1, pp. 118., WOS
 [1.1] PARIS, M. G. A. The modern tools of quantum mechanics A tutorial on quantum states, measurements, and operations. In EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS. ISSN 1951-6355, 2012, vol. 203, no. 1, pp. 61., WOS

ADDA10 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. (0.465 - IF2000). (2001 - Current Contents, SCOPUS). ISSN 0323-0465.

Ohlasy:

[1.1] ROCA-MAZA, X. - VINAS, X. - CENTELLES, M. - RING, P. - SCHUCK, P. Relativistic mean-field interaction with density-dependent meson-nucleon vertices based on microscopical calculations. In PHYSICAL REVIEW C, 2011, vol.84, no.5, 054309., WOS

[1.1] SINGH, Shailesh K. - BISWAL, S. K. - BHUYAN, M. - PATRA, S. K. Effect of isospin asymmetry in a nuclear system. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2014, vol. 41, no. 5, 055201., WOS

[1.1] SINGH, Shailesh K. - BISWAL, S. K. - BHUYAN, M. - PATRA, S. K. Effects of delta mesons in relativistic mean field theory. In PHYSICAL REVIEW C. ISSN 0556-2813, 2014, vol. 89, no. 4, 044001., WOS

ADDA11 MARKOŠ, Peter. Numerical analysis of the Anderson localization. In *Acta Physica Slovaca*, 2006, vol. 56, no. 5, p. 561-685.

Ohlasy:

[1.1] AMIR, Ariel - KRICH, Jacob J. - VITELLI, Vincenzo - OREG, Yuval - IMRY, Yoseph. Emergent Percolation Length and Localization in Random Elastic Networks. In PHYSICAL REVIEW X. ISSN 2160-3308, 2013, vol. 3, no. 2, 021017., WOS

[1.1] FEILHAUER, J. - MOSKO, M. Conductance and persistent current in quasi-one-dimensional systems with grain boundaries: Effects of the strongly reflecting and columnar grains. In PHYSICAL REVIEW B, 2011, vol.84, no.8., WOS

[1.1] FEILHAUER, J. - MOSKO, M. Quantum and Boltzmann transport in a quasi-one-dimensional wire with rough edges. In PHYSICAL REVIEW B, 2011, vol.83, no.24., WOS

[1.1] FEILHAUER, J. - MOSKO, M. Coexistence of diffusive resistance and ballistic persistent current in disordered metallic rings with rough edges: Possible origin of puzzling experimental values. In PHYSICAL REVIEW B. ISSN 1098-0121, 2013, vol. 88, no. 12, 125424., WOS

[1.1] GASPARIAN, Vladimir - CUEVAS, Emilio. Localization length in the quasi one-dimensional disordered system revisited. In SOLID STATE COMMUNICATIONS. ISSN 0038-1098, 2013, vol. 164, pp. 11., WOS

[1.1] HAMADA, Shimpei - TAKEDA, Seiji - VIKTOROVITCH, Pierre - OBARA, Minoru - ADIBI, A - LIN, SY - SCHERER, A. Theoretical analysis of the modal behavior of 2D random photonic crystals. In PHOTONIC AND PHONONIC PROPERTIES OF ENGINEERED NANOSTRUCTURES II. ISSN 0277-786X, 2012, vol. 8269, 826924., WOS

[1.1] CHEN, Liang - LV, Cheng - JIANG, Xunya. A re-formulation of the transfer matrix method for calculating wave-functions in higher dimensional

disordered open systems. In COMPUTER PHYSICS COMMUNICATIONS. ISSN 0010-4655, 2012, vol. 183, no. 12, pp. 2513., WOS

[1.1] KHODJA, Abdellah - GEMMER, Jochen. Effect of short-range order on transport in one-particle tight-binding models. In PHYSICAL REVIEW E. ISSN 1539-3755, 2013, vol. 88, no. 4, 042103., WOS

[1.1] KHODJA, Abdellah - NIEMEYER, Hendrik - GEMMER, Jochen. Transport in topologically disordered one-particle, tight-binding models. In PHYSICAL REVIEW E. ISSN 1539-3755, 2013, vol. 87, no. 5, 052133., WOS

[1.1] KRICH, J.J. Scaling and localization lengths. In PHYSICAL REVIEW LETTERS, 2011, vol. 106, NO. 15, 156405., WOS

[1.1] KUZOVKOV, V.N. The Anderson localization. In PHYSICA SCRIPTA, 2011, VOL. 84, 065002., WOS

[1.1] LEE, A.T. Transport properties of carbon nanotubes. In JOURNAL OF PHYSICAL CHEMISTRY C, 2012, vol. 116, pp. 1179-1184., WOS

[1.1] SLANINA, F. Localization of eigenvectors in random graphs. In EUROPEAN PHYSICAL JOURNAL B. ISSN 1434-6028, 2012, vol. 85, no. 11, 361., WOS

[1.1] SUSLOV, I. M. Conductance of finite systems and scaling in localization theory. In JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS. ISSN 1063-7761, 2012, vol. 115, no. 5, pp. 897., WOS

[1.1] SUSLOV, I. M. Finite-Size Scaling from the Self-Consistent Theory of Localization. In JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS. ISSN 1063-7761, 2012, vol. 114, no. 1, pp. 107., WOS

[1.1] SUSLOV, I.M. In JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS, 2014, vol. 118, pp. 909., WOS

[1.1] YAMAKAGE, Ai - NOMURA, Kentaro - IMURA, Ken-Ichiro - KURAMOTO, Yoshio. Criticality of the metal-topological insulator transition driven by disorder. In PHYSICAL REVIEW B. ISSN 1098-0121, 2013, vol. 87, no. 20, 205141., WOS

[1.2] HARASHIMA, Yosuke - SLEVIN, Keith M. Critical exponent of metal-insulator transition in doped semiconductors: The relevance of the Coulomb interaction. In Physical Review B Condensed Matter and Materials Physics. ISSN 10980121, 2014-05-09, 89, 20, 205108., SCOPUS

[1.2] MOOKHERJEE, Shayan - ONG, Junrong - LUO, Xianshu - GUO-QIANG, Lo. Electronic control of optical Anderson localization modes. In Nature Nanotechnology. ISSN 17483387, 2014-01-01, 9, 5, pp. 365-371., SCOPUS

[1.2] MOSTAFAZADEH, Ali. A dynamical formulation of one-dimensional scattering theory and its applications in optics. In Annals of Physics. ISSN 00034916, 2014-02-01, 341, pp. 77-85., SCOPUS

[1.2] SUSLOV, Igor M. Interpretation of high-dimensional numerical results for the Anderson transition. In Journal of Experimental and Theoretical Physics. ISSN 10637761, 2014-01-01, 119, 6, pp. 1115-1122., SCOPUS

[1.2] SUSLOV, Igor M. Scaling for level statistics from self-consistent theory of localization. In Journal of Experimental and Theoretical Physics. ISSN 10637761, 2014-01-01, 118, 6, pp. 909-923., SCOPUS

[1.2] TERLETSKA, Hanna - EKUMA, Chinedu E. - MOORE, Conduct - TAM, Kaming - MORENO, Juana R S - JARRELL, Mark S. Study of off-diagonal disorder using the typical medium dynamical cluster approximation. In Physical Review B Condensed Matter and Materials Physics. ISSN 10980121,

2014-09-26, 90, 9, 094208., SCOPUS

[1.2] UEOKA, Yoshiki - SLEVIN, Keith M. Dimensional dependence of critical exponent of the anderson transition in the orthogonal universality class. In *Journal of the Physical Society of Japan*. ISSN 00319015, 2014-08-15, 83, 8, 084711., SCOPUS

ADDA12 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. (0.465 - IF2000). (2001 - Current Contents, SCOPUS). ISSN 0323-0465.

Ohlasy:

[1.1] DU YUN - LU NIAN-PENG - YANG HU - YE MAN-PING - LI CHAO-RONG. Electrical, optical properties and structure characterization of In-doped copper nitride thin film. In *ACTA PHYSICA SINICA*. ISSN 1000-3290, 2013, vol. 62, no. 11, 118104., WOS

ADDA13 REITZNER, Daniel - NAGAJ, Daniel - BUŽEK, Vladimír. Quantum walks. In *Acta Physica Slovaca*, 2011, vol. 61, no. 6, p. 603-725. (3.250 - IF2010). (2011 - WOS, SCOPUS). ISSN 0323-0465.

Ohlasy:

[1.1] BABATUNDE, Ayeni M. - CRESSER, James - TWAMLEY, Jason. Using a biased quantum random walk as a quantum lumped element router. In *PHYSICAL REVIEW A*. ISSN 1050-2947, 2014, vol. 90, no. 1, 012339., WOS

[1.1] BISIO, Alessandro - D'ARIANO, Giacomo Mauro - TOSINI, Alessandro. Dirac quantum cellular automaton in one dimension: Zitterbewegung and scattering from potential. In *PHYSICAL REVIEW A*. ISSN 1050-2947, 2013, vol. 88, no. 3, 032301., WOS

[1.1] COTTRELL, Seth - HILLERY, Mark. Finding Structural Anomalies in Star Graphs Using Quantum Walks. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2014, vol. 112, no. 3, 030501., WOS

[1.1] COTTRELL, S.S. Finding structural anomalies in star graphs using quantum walks: a general approach. In *JOURNAL OF PHYSICS A*, 2014, vol. 49, 035304., WOS

[1.1] FOULGER, Iain - GNUTZMANN, Sven - TANNER, Gregor. Quantum Search on Graphene Lattices. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2014, vol. 112, no. 7, 070504., WOS

[1.1] HAMILTON, Craig S. - KRUSE, Regina - SANSONI, Linda - SILBERHORN, Christine - JEX, Igor. Driven Quantum Walks. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2014, vol. 113, no. 8, 083602., WOS

[1.1] KAHOU, Mahdi Ebrahimi - FEDER, David L. Quantum search with interacting Bose-Einstein condensates. In *PHYSICAL REVIEW A*. ISSN 1050-2947, 2013, vol. 88, no. 3, 032310., WOS

[1.1] MAKMAL, Adi - ZHU, Manran - MANZANO, Daniel - TIERSCH, Markus - BRIEGEL, Hans J. Quantum walks on embedded hypercubes. In *PHYSICAL REVIEW A*. ISSN 1050-2947, 2014, vol. 90, no. 2, 022314., WOS

[3] BISIO, A. - D'ARIANO, G.M. - TOSINI, A. Quantum field as a quantum cellular automaton I: the Dirac free evolution in one dimension. In *QUANT-PH/ 1212.2839*, 2013.

ADDA14 SEDLÁK, Michal. Quantum theory of unambiguous measurements. In *Acta Physica Slovaca*, 2009, vol. 59, no. 6, p. 653-792. (0.724 - IF2008). (2009 - WOS, SCOPUS). ISSN 0323-0465.

Ohlasy:

[1.1] ANDERSSON, Erika. Optimal minimum-cost quantum measurements for imperfect detection. In *PHYSICAL REVIEW A*. ISSN 1050-2947, 2012, vol. 86, no. 1, 012120., WOS

[1.1] DALL&APOS;ARNO, Michele - BISIO, Alessandro - D&APOS;ARIANO, Giacomo Mauro. Ideal quantum reading of optical memories. In *21ST INTERNATIONAL LASER PHYSICS WORKSHOP*. ISSN 1742-6588, 2013, vol. 414, 012038., WOS

[1.1] DALL'ARNO, Michele - BISIO, Alessandro - D'ARIANO, Giacomo Mauro. IDEAL QUANTUM READING OF OPTICAL MEMORIES. In *INTERNATIONAL JOURNAL OF QUANTUM INFORMATION*. ISSN 0219-7499, 2012, vol. 10, no. 8, 1241010., WOS

[1.1] DALL'ARNO, Michele - BISIO, Alessandro - D'ARIANO, Giacomo Mauro - MIKOVA, Martina - JEZEK, Miroslav - DUSEK, Miloslav. Experimental implementation of unambiguous quantum reading. In *PHYSICAL REVIEW A*. ISSN 1050-2947, 2012, vol. 85, no. 1, 012308., WOS

[1.1] DALL'ARNO, M. Quantum reading for the practical man. In *INTERNATIONAL JOURNAL OF QUANTUM INFORMATION*. ISSN 0219-7499, 2014, vol. 12, no. 7-8, 1560018., WOS

[1.1] FILIPPOV, Sergey N. - ZIMAN, Mario. Probability-based comparison of quantum states. In *PHYSICAL REVIEW A*. ISSN 1050-2947, 2012, vol. 85, no. 6, 062301., WOS

[1.1] MISHRA, Devendra Kumar. Unambiguous discrimination of two squeezed states using probabilistic quantum cloning. In *OPTICS COMMUNICATIONS*. ISSN 0030-4018, 2012, vol. 285, no. 6, pp. 1560., WOS

[1.1] PANG, S. Nonexistence of a universal quantum machine. In *PHYSICAL REVIEW A*, 2011, vol. 84, no. 6, 062313., WOS

[1.1] REITZNER, Daniel - ZIMAN, Mario. Two notes on Grover's search: Programming and discriminating. In *EUROPEAN PHYSICAL JOURNAL PLUS*. ISSN 2190-5444, 2014, vol. 129, no. 6, 128., WOS

[1.1] ZHANG WENHAI - YU LONGBAO - YANG MING - CAO ZHUOLIANG. Multicopy quantum state discrimination. In *SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY*. ISSN 1674-7348, 2012, vol. 55, no. 1, pp. 60., WOS

[1.1] ZHANG WEN-HAI - YU LONG-BAO - CAO ZHUO-LIANG - YE LIU. Minimax Strategy of Optimal Unambiguous State Discrimination. In *COMMUNICATIONS IN THEORETICAL PHYSICS*. ISSN 0253-6102, 2012, vol. 58, no. 2, pp. 209., WOS

[1.1] ZHANG WEN-HAI - YU LONG-BAO - CAO ZHUO-LIANG - YE LIU. Maximum confidence measurements via probabilistic quantum cloning. In *CHINESE PHYSICS B*. ISSN 1674-1056, 2013, vol. 22, no. 3, 030312., WOS

[1.1] ZHANG, Gang - YU, Long-Bao - ZHANG, Wen-Hai - CAO, Zhuo-Liang. Extracting remaining information from an inconclusive result in optimal unambiguous state discrimination. In *QUANTUM INFORMATION PROCESSING*. ISSN 1570-0755, 2014, vol. 13, no. 12, pp. 2619., WOS

[1.2] ZHANG, Wenhai - YU, Longbao - CAO, Zhuoliang - YE, Liu. Optical scheme for realization of optimal unambiguous state discrimination of the JS

limit. In *Science China: Physics, Mechanics and Astronomy*. ISSN 16747348, 2013, vol. 56, no. 3, pp. 606-609., SCOPUS

ADDA15 ŠAMAJ, Ladislav. Introduction to integrable many-body systems II. In *Acta Physica Slovaca*, 2010, vol. 60, no. 2, p. 155-257. (7.455 - IF2009). (2010 - WOS, SCOPUS). ISSN 0323-0465.

Ohlasy:

[1.1] NIERI, Fabrizio - PASQUETTI, Sara - PASSERINI, Filippo - TORRIELLI, Alessandro. 5D partition functions, q-Virasoro systems and integrable spin-chains. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2014, no. 12, 040., WOS

[1.1] SHUAIBU, A. - RAHMAN, M. M. - RATNAVELU, K - CHIA, SP - WONG, CS - OOI, RCH. Coordinate Bethe ansatz Computation for Low Temperature Behavior of a Triangular Lattice of a Spin-1 Heisenberg Antiferromagnet. In *FRONTIERS IN PHYSICS*. ISSN 0094-243X, 2014, vol. 1588, pp. 271., WOS

ADDA16 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] LOVELAND, W. - LI, BA - NATOWITZ, JB. Synthetic Paths to the Heaviest Elements. In *11TH INTERNATIONAL CONFERENCE ON NUCLEUS-NUCLEUS COLLISIONS (NN2012)*. ISSN 1742-6588, 2013, vol. 420, 012004., WOS

ADE ADE

ADE01 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] KOU, Kit Ian - OU, Jian-Yu - MORAIS, Joao. On Uncertainty Principle for Quaternionic Linear Canonical Transform. In *ABSTRACT AND APPLIED ANALYSIS*. ISSN 1085-3375, 2013, 725952., WOS

[1.1] YANG, Yan - KOU, Kit Ian. Uncertainty principles for hypercomplex signals in the linear canonical transform domains. In *SIGNAL PROCESSING*. ISSN 0165-1684, 2014, vol. 95, pp. 67-75., WOS

ADEA Scientific papers in other foreign journals not registered in Current Contents Connect with IF (impacted)

ADEA01 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] BOWMAN, Patrick O. - LANGFELD, Kurt - LEINWEBER, Derek B. - STERNBECK, Andre - VON SMEKAL, Lorenz - WILLIAMS, Anthony G. Role of center vortices in chiral symmetry breaking in SU(3) gauge theory. In *PHYSICAL REVIEW D*, 2011, vol. 84, no. 3, 034501., WOS

[1.1] CARDOSO, N. - CARDOSO, M. - BICUDO, P. Colour field flux tubes

and Casimir scaling for various SU(3) representations. In *PHYSICS LETTERS B*. ISSN 0370-2693, 2012, vol. 710, no. 2, pp. 343-348., WOS

- ADEA02 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.

Ohlasy:

[1.1] RYBCZYNSKI, Maciej - BRONIOWSKI, Wojciech - STEFANEK, Grzegorz. Influence of initial fluctuations on geometry measures in relativistic U+U and Cu+Au collisions. In *PHYSICAL REVIEW C*. ISSN 0556-2813, 2013, vol. 87, no. 4, 044908., WOS

[1.1] RYBCZYNSKI, Maciej - STEFANEK, Grzegorz - BRONIOWSKI, Wojciech - BOZEK, Piotr. GLISSANDO 2: GLauber Initial-State Simulation AND mOre ... , ver. 2. In *COMPUTER PHYSICS COMMUNICATIONS*. ISSN 0010-4655, 2014, vol. 185, no. 6, pp. 1759-1772., WOS

- ADEA03 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. (1.122 - IF2007). (2008 - WOS, SCOPUS). ISSN 1606-5131.

Ohlasy:

[1.1] LAW, J. Y. - FRANCO, V. - RAMANUJAN, R. V. The magnetocaloric effect of partially crystalline Fe-B-Cr-Gd alloys. In *JOURNAL OF APPLIED PHYSICS*. ISSN 0021-8979, 2012, vol. 111, no. 11, art. no. 113919., WOS

[1.1] NGUYEN HUY DAN - NGUYEN HUU DUC - TRAN DANG THANH - NGUYEN HAI YEN - PHAM THI THANH - NGAC AN BANG - DO THI KIM ANH - THE-LONG PHAN - YU, Seong-Cho. Magnetocaloric effect in Fe-Ni-Zr alloys prepared by using the rapidly-quenched method. In *JOURNAL OF THE KOREAN PHYSICAL SOCIETY*. ISSN 0374-4884, 2013, vol. 62, no. 12, pp. 1715., WOS

- ADEA04 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.

Ohlasy:

[1.1] ALAVIKIA, Babak - RAMAHI, Omar M. Analysis of the signs of imaginary parts of the effective constitutive parameters in metamaterials. In *2013 IEEE ANTENNAS AND PROPAGATION SOCIETY INTERNATIONAL SYMPOSIUM (APSURSI)*. ISSN 1522-3965, 2013, vol., no., pp. 1424., WOS

[1.1] ARSLANAGIC, S. - HANSEN, T. V. - MORTENSEN, N. A. - GREGERSEN, A. H. - SIGMUND, O. - ZIOLKOWSKI, R. W. - BREINBJERG, O. A Review of the Scattering-Parameter Extraction Method with Clarification of Ambiguity Issues in Relation to Metamaterial Homogenization. In *IEEE ANTENNAS AND PROPAGATION MAGAZINE*. ISSN 1045-9243, 2013, vol. 55, no. 2, pp. 91., WOS

[1.1] BASIRY, R. - ABIRI, H. - YAHAGHI, A. Electromagnetic Performance Analysis of Omega-Type Metamaterial Radomes. In *INTERNATIONAL JOURNAL OF RF AND MICROWAVE COMPUTER-AIDED ENGINEERING*, 2011, vol.21, no.6, 665., WOS

- [1.1] GAO, Peng - ZHANG, Chunmin - ZHANG, Lu - AI, Jingjing - KANG, Yongqiang - LI, Gang. Metamaterial composed of different cells exhibiting a negative refraction property over multiple frequency bands. In JOURNAL OF MODERN OPTICS. ISSN 0950-0340, 2013, vol. 60, no. 11, pp. 925., WOS
- [1.1] GONG JIAN-QIANG - LIANG CHANG-HONG. Extraction algorithm for retrieving the effective constitutive parameters of metamaterials based on TE₁₀ rectangular waveguide. In ACTA PHYSICA SINICA, 2011, vol.60, no.5., WOS
- [1.1] HASAR, Ugur Cem - BARROSO, Joaquim J. - SABAH, Cumali - KAYA, Yunus - ERTUGRUL, Mehmet. Differential uncertainty analysis for evaluating the accuracy of S-parameter retrieval methods for electromagnetic properties of metamaterial slabs. In OPTICS EXPRESS. ISSN 1094-4087, 2012, vol. 20, no. 27, pp. 29002., WOS
- [1.1] HASAR, U. C. - BARROSO, J. J. RETRIEVAL APPROACH FOR DETERMINATION OF FORWARD AND BACKWARD WAVE IMPEDANCES OF BIANISOTROPIC METAMATERIALS. In PROGRESS IN ELECTROMAGNETICS RESEARCH-PIER, 2011, vol.112, 109., WOS
- [1.1] HASAR, U. C. - BARROSO, J. J. - ERTUGRUL, M. - SABAH, C. - CAVUSOGLU, B. APPLICATION OF A USEFUL UNCERTAINTY ANALYSIS AS A METRIC TOOL FOR ASSESSING THE PERFORMANCE OF ELECTROMAGNETIC PROPERTIES RETRIEVAL METHODS OF BIANISOTROPIC METAMATERIALS. In PROGRESS IN ELECTROMAGNETICS RESEARCH-PIER. ISSN 1559-8985, 2012, vol. 128,pp. 365., WOS
- [1.1] HASAR, U. C. - BARROSO, J. J. - SABAH, C. - OZBEK, I. Y. - KAYA, Y. - DAL, D. - AYDIN, T. RETRIEVAL OF EFFECTIVE ELECTROMAGNETIC PARAMETERS OF ISOTROPIC METAMATERIALS USING REFERENCE-PLANE INVARIANT EXPRESSIONS. In PROGRESS IN ELECTROMAGNETICS RESEARCH-PIER. ISSN 1559-8985, 2012, vol. 132,pp. 425., WOS
- [1.1] HSIEH, Feng-Ju - WANG, Wei-Chih. Full extraction methods to retrieve effective refractive index and parameters of a bianisotropic metamaterial based on material dispersion models. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2012, vol. 112, no. 6, 064907., WOS
- [1.1] HSIEH, Feng-Ju - WANG, Wei-Chih - VARADAN, VK. Determination of effective boundaries and material properties of SRR-rod and fishnet metamaterials. In NANOSENSORS, BIOSENSORS, AND INFO-TECH SENSORS AND SYSTEMS 2012. ISSN 0277-786X, 2012, vol. 8344, 8344D., WOS
- [1.1] HWANG, Ruey-Bing - HSU, Neng-Chieh - CHIN, Cheng-Yuan. A Spatial Beam Splitter Consisting of a Near-Zero Refractive Index Medium. In IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION. ISSN 0018-926X, 2012, vol. 60, no. 1, pp. 417., WOS
- [1.1] JHA, Kumud Ranjan - SINGH, G. Analysis and design of enhanced directivity microstrip antenna at terahertz frequency by using electromagnetic bandgap material. In INTERNATIONAL JOURNAL OF NUMERICAL MODELLING-ELECTRONIC NETWORKS DEVICES AND FIELDS, 2011, vol.24, no.5, 410., WOS
- [1.1] JIANG, Zhi Hao - BOSSARD, Jeremy A. - WANG, Xiande - WERNER, Douglas H. Synthesizing metamaterials with angularly independent

effective medium properties based on an anisotropic parameter retrieval technique coupled with a genetic algorithm. In JOURNAL OF APPLIED PHYSICS, 2011, vol.109, no.1., WOS

[1.1] KARAMANOS, Theodosios D. - DIMITRIADIS, Alexandros I. - KANTARTZIS, Nikolaos V. Compact Double-Negative Metamaterials Based on Electric and Magnetic Resonators. In IEEE ANTENNAS AND WIRELESS PROPAGATION LETTERS. ISSN 1536-1225, 2012, vol. 11, pp. 480., WOS

[1.1] LIU, Shutian - DONG, Yanzhang - XU, Weikai. Design optimization for relative bandwidth of left-handed metamaterials with split-ring resonators. In JOURNAL OF OPTICS, 2011, vol.13, no.1., WOS

[1.1] MILOSEVIC, Vojislav - JOKANOVIC, Branka - BOJANIC, Radovan. Effective Electromagnetic Parameters of Metamaterial Transmission Line Loaded With Asymmetric Unit Cells. In IEEE TRANSACTIONS ON MICROWAVE THEORY AND TECHNIQUES. ISSN 0018-9480, 2013, vol. 61, no. 8, pp. 2761., WOS

[1.1] NUMAN, Ahmad B. - SHARAWI, Mohammad S. Extraction of Material Parameters for Metamaterials Using a Full-Wave Simulator. In IEEE ANTENNAS AND PROPAGATION MAGAZINE. ISSN 1045-9243, 2013, vol. 55, no. 5, pp. 202., WOS

[1.1] SABAH, Cumali - URBANI, Fabio. Experimental analysis of A-shaped magnetic resonator for mu-negative metamaterials. In OPTICS COMMUNICATIONS. ISSN 0030-4018, 2013, vol. 294, pp. 409., WOS

[1.1] SABAH, C. Microwave response of octagon-shaped parallel plates: Low-loss metamaterial. In OPTICS COMMUNICATIONS. ISSN 0030-4018, 2012, vol. 285, no. 21-22, pp. 4549., WOS

[1.1] SABAH, C. - ROSKOS, H. G. Numerical and experimental investigation of fishnet-based metamaterial in a X-band waveguide. In JOURNAL OF PHYSICS D-APPLIED PHYSICS, 2011, vol.44, no.25., WOS

[1.1] WANG, W. - XU, W. K. - HAI, H. An effective method for designing new structural left-handed material based on topology optimisation. In EUROPEAN PHYSICAL JOURNAL-APPLIED PHYSICS, 2011, vol.53, no.2., WOS

[1.1] WU, Zhuoyuan - YOENAK, Serdar - BOARDMAN, AD - ENGHETA, N - NOGINOV, MA - ZHELUDEV, NI. Planar gradient index photonic metamaterials. In METAMATERIALS: FUNDAMENTALS AND APPLICATIONS IV, 2011, vol.8093, no., WOS

[1.1] ZHAO, Yongxiang - CHEN, Fei - SHEN, Qiang - LIU, Qiwen - ZHANG, Lianmeng. Optimizing low loss negative index metamaterial for visible spectrum using differential evolution. In OPTICS EXPRESS, 2011, vol.19, no.12, 11605., WOS

[1.2] ALISOY, Hafiz Z. - ALAGOZ, Baris Baykant - BARLAZ US, Songul - DENIZ, Furkan Nur - ALAGÖZ, Serkan. Spatio-spectral analyses of electromagnetic wave energy absorption and heating effect. In Optik. ISSN 00304026, 2014-01-01, 125, 15, pp. 4124-4130., SCOPUS

[1.2] CASTANIÉ, Aurore - MERCIER, Jean François - FÉLIX, Simon - MAUREL, Agnès. Generalized method for retrieving effective parameters of anisotropic metamaterials. In Optics Express, 2014-01-01, 22, 24, pp. 29937-29953., SCOPUS

[1.2] KISHOR, Kamal - BAITHA, Monu Nath - SINHA, Ravindra Kumar - LAHIRI, Basudev B. Tunable negative refractive index metamaterial from

V-shaped SRR structure: Fabrication and characterization. In Journal of the Optical Society of America B: Optical Physics. ISSN 07403224, 2014-07-01, 31, 7, pp. 1410-1414., SCOPUS

[1.2] LI, Jinying - YANG, Rongcao - GUO, Shuqin - TIAN, Jinping - XUE, Wenrui. Design of multi-band negative index metamaterial at the microwave band. In Guangxue Xuebao/Acta Optica Sinica. ISSN 02532239, 2014-01-01, 34., SCOPUS

[1.2] NGUYEN, Hoang Linh - IYER, Ashwin K. Effective-medium properties of a fully-printed biplanar volumetric NRI-TL metamaterial lens. In Proceedings ANTEM 2014: 2014 16th International Symposium on Antenna Technology and Applied Electromagnetics, 2014-01-0., SCOPUS

[1.2] SATTARI, Hamed - SAHRAI, Mostafa. Phase dependent coherent control of group delay in a doped metamaterial slab. In Optics Communications. ISSN 00304018, 2014-07-15, 323, pp. 87-95., SCOPUS

[1.2] SATTARI, Hamed - SAHRAI, Mostafa. Refractive index switching based on loss controlling in a doped metamaterial slab. In Journal of the Optical Society of America B: Optical Physics. ISSN 07403224, 2014-06-01, 31, 6, pp. 1240-1247., SCOPUS

[1.2] TAO, Long. Research on the forbidden band characteristics of the negative refraction index one-dimensional anisotropic photonic crystal. In Proceedings 2014 International Conference on Information Science, Electronics and Electrical Engineering, ISEEE 2014, 2014-01-01, 1, pp. 303-307., SCOPUS

[1.2] ZHU, Hailiang - LIU, X. H. - CHEUNG, Sing Wai - YUK, Tungip. Frequency-reconfigurable antenna using metasurface. In IEEE Transactions on Antennas and Propagation. ISSN 0018926X, 2014-01-01, 62, 1, pp. 80-85., SCOPUS

ADEA05 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. (1.122 - IF2007). (2008 - WOS, SCOPUS). ISSN 1606-5131.

Ohlasy:

[1.1] BIDULSKY, R. - BIDULSKA, J. - GRANDE, M.A. Response of the Cr-alloyed PM Steels on Vacuum Sintering and Heat Treatment. In HIGH TEMPERATURE MATERIALS AND PROCESSES. ISSN 0334-6455, OCT 2013, vol. 32, no. 5, p. 467-473., WOS

[1.1] RICHERT, M. - RICHERT, J. - HOTLOS, A. - PALKA, P. - PACHLA, W. - PEREK, M. Ag Powders Consolidated by Reciprocating Extrusion (CEC). In NANOMATERIALS BY SEVERE PLASTIC DEFORMATION: NANOSPD5, PTS 1 AND 2. ISSN 0255-5476, 2011, vol. 667-669, p. 145-150., WOS

ADEA06 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.

Ohlasy:

[1.1] ANTONOV, A.N. The electron-ion scattering. In NUCLEAR INSTRUMENTS AND METHODS A, 2011, vol. 637, no. 1, p. 60., 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 alloy in liquid and amorphous states. In *Journal of Physics: Conference Series*, 2008, vol. 98, part 6, u676-U681. ISSN 1742-6596.

Ohlasy:

[1.2] RYLTSEV, R.E. - SON, L.D. Statistical description of glass-forming alloys with chemical interaction: Application to AlR systems. In *Physica B: Condensed Matter*, 2011, vol.406, no.19, 3625-3630., SCOPUS

ADEA08 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.

Ohlasy:

[1.1] KAVUN, V. Ya - VOIT, E. I. - SINEBRYUKHOV, S. L. - PODGORBUNSKII, A. B. - BROVKINA, O. V. - MERKULOV, E. B. - GONCHARUK, V. K. Ionic mobility, structure, and conductivity of 45ZrF(4)-35BiF(3)-20CsF glass according to F-19 NMR, IR, Raman, and impedance spectroscopy. In *JOURNAL OF STRUCTURAL CHEMISTRY*, 2011, vol.52, no.6, 1102., WOS

[1.1] KAVUN, V. Ya - VOIT, E. I. - YAROSHENKO, R. M. - GONCHARUK, V. K. Structure and ion mobility in glasses in the BiF₃-PbF₂-ZrF₄ systems studied by Raman and NMR spectroscopy. In *JOURNAL OF NON-CRYSTALLINE SOLIDS*. ISSN 0022-3093, 2014, vol. 401, pp. 224-231., WOS

[1.1] KAVUN, V. Ya. - SLOBODYUK, A. B. - ALEKSEIKO, L. N. - GONCHARUK, V. K. - MERKULOV, E. B. - YAROSHENKO, R. M. NMR SPECTROSCOPY OF BISMUTH FLUORIDE GLASSES WITH ALKALI CATIONS. In *JOURNAL OF STRUCTURAL CHEMISTRY*. ISSN 0022-4766, 2013, vol. 54, pp. S28., WOS

[1.1] KAVUN, V. - MERKULOV, E. - KHARCHENKO, V. - SLOBODYUK, A. - GONCHARUK, V. Ion mobility and thermal properties of glasses in the BiF₃-LiF and BiF₃-LiF-ZrF₄ systems. In *JOURNAL OF NON-CRYSTALLINE SOLIDS*. ISSN 0022-3093, 2013, vol. 377, pp. 79., WOS

[1.1] PATRO, L. N. - HARIHARAN, K. Fast fluoride ion conducting materials in solid state ionics: An overview. In *SOLID STATE IONICS*. ISSN 0167-2738, 2013, vol. 239, pp. 41., 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. 219-220, p. 178-184. ISSN 0920-5632.

Ohlasy:

[1.1] ANTOGNINI, Aldo - KOTTMANN, Franz - BIRABEN, Francois - INDELICATO, Paul - NEZ, Francois - POHL, Randolph. Theory of the 2S-2P Lamb shift and 2S hyperfine splitting in muonic hydrogen. In *ANNALS OF*

PHYSICS. ISSN 0003-4916, 2013, vol. 331, pp. 127-145., WOS
[1.1] INDELICATO, P. Nonperturbative evaluation of some QED contributions to the muonic hydrogen $n=2$ Lamb shift and hyperfine structure. In PHYSICAL REVIEW A. ISSN 1050-2947, 2013, vol. 87, no. 2, 022501., WOS

ADEB02 CAMPOSTRINI, M. - DI GIACOMO, A. - MAGGIORE, M. - OLEJNÍK, Štefan. String tension and flux tubes on the lattice. In *Nuclear Physics B - Proceedings Supplements*, 1990, vol. 17, p. 563-566. ISSN 0920-5632.

Ohlasy:

[3] CEA, P.- COSMAI, L.- CUTERI, F. Flux tubes and coherence length in the $SU(3)$ vacuum. In LATTICE 2013 (PROCEEDINGS OF SCIENCE-LATTICE 2013, SISSA 2013), p. 468.

ADEB03 EBERT, D. - NAGY, Miroslav - VOLKOV, M.K. $1/N$ -c approximation in the Nambu-Jona-Lasinio model. In *Physics of Atomic Nuclei*, 1996, vol. 59, no. 1, p. 140-143. ISSN 1063-7788.

Ohlasy:

[1.1] AZCOITI, V. - DI CARLO, G. - FOLLANA, E. - GIORDANO, M. - VAQUERO, A. Phase structure of a generalized Nambu Jona-Lasinio model with Wilson fermions in the mean-field or large- N expansion. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2013, vol. 875, no. 1, pp. 45., 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_3Ti . In *Journal of Physics: Conference Series*, 2009. Vol. 144, 012111.

Ohlasy:

[1.1] EL-HADAD SHIMAA. Fabrication of Al/ Al_3Ti . In JAPANESE JOURNAL OF APPLIED PHYSICS, 2011, VOL. 50, NO. 1, 01AJ02., WOS

ADEB05 MAJERNÍK, Vladimír - CHARVOT, R. - MAJERNÍKOVÁ, Eva. The momentum entropy of the infinite potential well. In *Journal of Physics A*, 1999, vol. 32, s. 2207-2216. ISSN 0305-4470.

Ohlasy:

[1.1] APTEKAREV, A. I. - DEHESA, J. S. - SANCHEZ-MORENO, P. - TULYAKOV, D. N. Renyi entropy of the infinite well potential in momentum space and Dirichlet-like trigonometric functionals. In JOURNAL OF MATHEMATICAL CHEMISTRY. ISSN 0259-9791, 2012, vol. 50, no. 5, pp. 1079-1090., WOS

[1.1] BOUVRIE, P. A. - ANGULO, J. C. - DEHESA, J. S. Entropy and complexity analysis of Dirac-delta-like quantum potentials. In PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS, 2011, vol.390, no.11, 2215., WOS

[1.1] CORZO, H. H. - LAGUNA, H. G. - SAGAR, R. P. Localization-delocalization phenomena in a cyclic box. In JOURNAL OF MATHEMATICAL CHEMISTRY. ISSN 0259-9791, 2012, vol. 50, no. 1, pp. 233-248., WOS

[1.1] LAGUNA, H. G. - SAGAR, R. P. Statistical correlations in the Moshinsky atom. In PHYSICAL REVIEW A, 2011, vol.84, no.1., WOS

[1.1] LAGUNA, H. G. - SAGAR, R. P. Indistinguishability and correlation in model systems. In JOURNAL OF PHYSICS A-MATHEMATICAL AND

THEORETICAL, 2011, vol.44, no.18., WOS

[1.1] LOPEZ-ROSA, S. - MONTERO, J. - SANCHEZ-MORENO, P. - VENEGAS, J. - DEHESA, J. S. Position and momentum information-theoretic measures of a D-dimensional particle-in-a-box. In JOURNAL OF MATHEMATICAL CHEMISTRY, 2011, vol.49, no.5, 971., WOS

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. (2010 - WOS, SCOPUS, Copernicus International). ISSN 1335-8871.

Ohlasy:

[1.1] HRABINA, J. - LAZAR, J. - HOLA, M. - CIP, O. Investigation of Short-term Amplitude and Frequency Fluctuations of Lasers for Interferometry. In MEASUREMENT SCIENCE REVIEW. ISSN 1335-8871, 2013, vol. 13, no. 2, pp. 63., WOS

[1.1] LI BING-JIE - ZHAO JIA-HONG - WANG XU - AMUER, Mohamode - WANG ZHI-LIANG. Research on Air Flow Measurement and Optimization of Control Algorithm in Air Disinfection System. In MEASUREMENT SCIENCE REVIEW. ISSN 1335-8871, 2013, vol. 13, no. 1, pp. 39., WOS

[1.1] MUELLER-BUSCHBAUM, Peter. The Active Layer Morphology of Organic Solar Cells Probed with Grazing Incidence Scattering Techniques. In ADVANCED MATERIALS. ISSN 0935-9648, 2014, vol. 26, no. 46, pp. 7692., WOS

ADEB07 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. (2009 - WOS, SCOPUS). ISSN 1742-6588.

Ohlasy:

[1.1] PAVUK, Milan - SITEK, Jozef - SEDLACKOVA, Katarina. SURFACE PROPERTIES OF A NANOCRYSTALLINE Fe-Ni-Nb-B ALLOY AFTER NEUTRON IRRADIATION. In JOURNAL OF ELECTRICAL ENGINEERING-ELEKTROTECHNICKY CASOPIS. ISSN 1335-3632, 2014, vol. 65, no. 5, pp. 317-319., WOS

ADEB08 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. (2011 - WOS, SCOPUS). ISSN 1012-0394.

Ohlasy:

[1.1] EL KAMMOUNI, R. - IGLESIAS, I. - CHICHAY, K. - SVEC, P. - 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. ISSN 0021-8979, 2014, vol. 116, no. 9, art. no. 093902., WOS

ADEB09 TURCANOVA, J. - MARCIN, J. - KOVAC, J. - JANIČKOVIČ, Dušan - ŠVEC, Peter - SKORVANEK, I. Magnetic and mechanical properties of

nanocrystalline Fe-Ni-Nb-B alloys. In *Journal of Physics: Conference Series*, 2009, vol. 144, 012065. (2009 - WOS, SCOPUS). ISSN 1742-6588.

Ohlasy:

[1.1] PAVUK, Milan - SITEK, Jozef - SEDLACKOVA, Katarina. SURFACE PROPERTIES OF A NANOCRYSTALLINE Fe-Ni-Nb-B ALLOY AFTER NEUTRON IRRADIATION. In *JOURNAL OF ELECTRICAL ENGINEERING-ELEKTROTECHNICKY CASOPIS*. ISSN 1335-3632, 2014, vol. 65, no. 5, pp. 317., WOS

[3] SITEK, J. - SEDLAČKOVÁ, K. - DEKAN, J. Some applications of Mossbauer spectroscopy. In *JOURNAL OF PHYSICAL SCIENCE AND APPLICATION*, 2013, vol. 3, no. 5, pp. 295-300.

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. (2009 - WOS, SCOPUS). ISSN 1742-6588.

Ohlasy:

[1.1] PAVUK, Milan - SITEK, Jozef - SEDLACKOVA, Katarina. SURFACE PROPERTIES OF A NANOCRYSTALLINE Fe-Ni-Nb-B ALLOY AFTER NEUTRON IRRADIATION. In *JOURNAL OF ELECTRICAL ENGINEERING-ELEKTROTECHNICKY CASOPIS*. ISSN 1335-3632, 2014, vol. 65, no. 5, pp. 317., WOS

ADMA Scientific papers in foreign impacted journals registered in Web of Sciences or Scopus

ADMA01 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. (0.413 - IF2011). (2012 - WOS, SCOPUS). ISSN 0024-998X.

Ohlasy:

[1.1] ONODERA, Reisho - KIMURA, Shojiro - WATANABE, Kazuo - YOKOYAMA, Yoshihiko - MAKINO, Akihiro - KOYAMA, Keiichi. Crystallization kinetics of high iron concentration amorphous alloys under high magnetic fields. In *JOURNAL OF ALLOYS AND COMPOUNDS*. ISSN 0925-8388, 2014, vol. 604, pp. 8., WOS

ADMB Scientific papers in foreign non-impacted journals registered in Web of Sciences or Scopus

ADMB01 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.

Ohlasy:

[1.1] BEKZHANOV, A. V. - BONDARENKO, S. G. - BUROV, V. V. Nucleon Form Factors for Elastic Electron-Deuteron Scattering at High Momentum Transfer. In *JETP LETTERS*. ISSN 0021-3640, 2014, vol. 99, no. 11, pp. 613-618., WOS

[1.1] KELKAR, N. G. - NOWAKOWSKI, M. - FIERRO, D. Bedoya.

Opportunities and problems in determining proton and light nuclear radii. In PRAMANA-JOURNAL OF PHYSICS. ISSN 0304-4289, 2014, vol. 83, no. 5, pp. 761-771., WOS

- ADMB02 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.

Ohlasy:

[1.1] STRONSKI, A. - NAZAROV, AN - LYSENKO, VS - FLANDRE, D. Positron annihilation lifetime spectroscopy measurement of Ge₅As₃₇S₅₈ glass. In FUNCTIONAL NANOMATERIALS AND DEVICES VII. ISSN 1022-6680, 2014, vol. 854, pp. 111., WOS

- ADMB03 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. (2013 - WOS, SCOPUS). ISSN 1742-6588.

Ohlasy:

[1.1] HORODEK, P. - DRYZEK, J. - KOBETS, A. G. - KULIK, M. - LOKHMATOV, V. I. - MESHKOV, I. N. - ORLOV, O. S. - PAVLOV, V. - RUDAKOV, A. Yu. - SIDORIN, A. A. - SIEMEK, K. - YAKOVENKO, S. L. Slow Positron Beam Studies of the Stainless Steel Surface Exposed to Sandblasting. In ACTA PHYSICA POLONICA A. ISSN 0587-4246, 2014, vol. 125, no. 3, pp. 714., WOS

- ADMB04 SLÁVIKOVÁ, Barbora - ISKROVÁ, Martina - ILLEKOVÁ, Emília - MAJERNÍK, Viktor - ŠAUŠA, Ondrej - KRIŠTIÁK, Jozef - JESENÁK, K. Hexadecane in SiO₂ aerogels. In *Materials Science Forum*, 2013, vol. 733, p. 107-110. (2013 - WOS, SCOPUS). ISSN 0255-5476.

Ohlasy:

[1.1] GORGOL, M. - JASINSKA, B. - REISFELD, R. - LEVCHENKO, V. The Influence of the Temperature on Positron Annihilation Lifetime Spectra in Porous Sol-Gel Glass Doped with Ag Nanoparticles. In ACTA PHYSICA POLONICA A. ISSN 0587-4246, 2014, vol. 125, no. 3, pp. 778., WOS

AFA Published invited papers from foreign scientific conferences

- AFA01 GUPTA, A. - KANE, S.N. - KRAUS, L. - DUHAJ, Pavol. Study of short-range order in amorphous (FECO) (85)B-15 alloys. In *Journal of Magnetism and Magnetic Materials*, 1995, vol. 140, p.321-322. (1.063 - IF1994). (1995 - Current Contents, WOS, SCOPUS, SCOPUS). ISSN 0304-8853.

Ohlasy:

[1.1] KAMALI, S. - ZHA, C. L. - YODA, Y. - AKERMAN, J. Oxidation states and the quality of lower interfaces in magnetic tunnel junctions: oxygen effect on crystallization of interfaces. In JOURNAL OF PHYSICS-CONDENSED MATTER. ISSN 0953-8984, 2013, vol. 25, no. 13, 135302., WOS

[1.1] KAMALI, S. - ZHA, C. L. - YODA, Y. - AKERMAN, J. Oxidation states and quality of upper interfaces in magnetic tunnel junctions: oxygen effect

on crystallization of interfaces. In JOURNAL OF PHYSICS-CONDENSED MATTER. ISSN 0953-8984, 2014, vol. 26, no. 2, 026004., WOS

- AFA02 KRAJČÍ, Marián - HAFNER, J. - LEDIEU, J. - FOURNÉE, V. Structural model of quasiperiodic Pb monolayer deposited on fivefold i-Al-Pd-Mn surface. In *Journal of Physics: Conference Series*, 2010, vol. 226, 012005.

Ohlasy:

[1.1] VILLASECA, S. Alarcon - DUBOIS, J.M. - GAUDRY, E. Lead adsorption on the pseudo-10-fold surface of the Al₁₃Co₄ complex metallic alloy: A first principle study. In INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY. ISSN 0020-7608, 2013, vol. 113, no. 6, pp. 840., WOS

AFC Published papers from foreign scientific conferences

- AFC01 BERTLE, Roman - FABER, Manfred - GREENSITE, Jeff - OLEJNÍK, Štefan. Center vortices and colour confinement in lattice QCD. In *Quark Confinement and the Hadron Spectrum IV*. - Singapore : World Scientific, 2002, p. 138-149.

Ohlasy:

[1.1] MILLO, R.-FACCIOLI, P. Computing effective hamiltonian of low-energy vacuum gauge fields. In PHYSICAL REVIEW D, 2011, vol. 84, no. 3, 034504., WOS

- AFC02 BYDŽOVSKÝ, J. - KOLLÁR, Miroslav - JANČÁRIK, V. - ŠVEC, Peter - KRAUS, L. Strain sensors for civil engineering application based on CoFeCrSiB amorphous ribbons. In *Czechoslovak Journal of Physics*, 2002, vol. 52, suppl. A, a117-A120. (0.345 - IF2001). (2002 - Current Contents, WOS, SCOPUS). ISSN 0011-4626.

Ohlasy:

[1.1] SALACH, Jacek - SZEWCZYK, Roman - BIENKOWSKI, Adam - JACKIEWICZ, Dorota - GOSIEWSKI, Z - KULESZA, Z. Possibilities of Application of Amorphous Fe₇₇Cr₂B₁₆Si₅ Alloys in Different States of Thermal Relaxation as Magnetic Tensile Force Sensors. In MECHATRONIC SYSTEMS AND MATERIALS IV. ISSN 1012-0394, 2013, vol. 198, pp. 388-393., WOS

- AFC03 FISCHER, S. - ALKOFER, R. - MAAS, Axel - PAWLOWSKI, J. M. - VON SMEKAL, L. Large volume behaviour of Yang-Mills propagators. In *Proceedings of the XXV International Symposium on Lattice Field Theory. Proceedings of Science (LATTICE 2007) 300*. - 2007. S. 1-7., s. 1-7.

Ohlasy:

[3] EICHHORN, A. Quantum fields in the non-perturbative regime-Yang-Mills theory and gravity. In PREPRINT HEP-TH, 2011, arXiv:1111.1237.

- AFC04 GREENSITE, Jeff - OLEJNÍK, Štefan - POLIKARPOV, M.I. - SYRITSYN, S.N. - ZAKHAROV, V.I. Eigenmodes of covariant Laplacian in SU(2) Yang-Mills vacuum: higher representations. In *Proceedings of Science: Lattice 2005*. - 2005.

Ohlasy:

[3] GRUBER, F. Topology in dynamical lattice QCD simulations. In PhD THESIS, UNIVERSITY OF REGENSBURG, 2012.

- AFC05 GREENSITE, Jeff - OLEJNÍK, Štefan - POLIKARPOV, M.I. - SYRITSYN, S.N. - ZAKHAROV, V.I. Localized eigenmodes of the covariant lattice Laplacian. Proc. of the 23rd Int. Symp. on Lattice Field Theory, 25-30 July 2005, Dublin, Ireland. In *Proceedings of Science: Lattice 2005*. - 2005.
Ohlasy:
[3] GRUBER, F. Topology in dynamical lattice QCD simulations. In PhD THESIS, UNIVERSITY OF REGENSBURG, 2012.
- AFC06 GREENSITE, J. - OLEJNÍK, Štefan. Gluon chains and the quark-antiquark potential. In *Proceedings of the XXVII International Symposium on Lattice Theory-LAT2009, July 26-31, 2009, Beijing, China. Proceedings of Science 240 (LAT2009)*. - Beijing : Peking University, 2009., p. 1-8.
Ohlasy:
[1.2] BOUCAUD, Ph. at all. The infrared behaviour of the pure Yang-Mills Green functions. In FEW BODY SYSTEMS, 2012, vol. 53, p. 387-436., SCOPUS
- AFC07 GREENSITE, J. - OLEJNÍK, Štefan. Properties of the approximate Yang-Mills ground state wave functional in 2+1 dimensions. In *The IX International Conference on Quark Confinement and the Hadron Spectrum- QCHS IX, August 30-September 3, 2010, Madrid, Spain : AIP Conference Proceedings*. 1343. - Melville : American Institute of Physics, 2011, p. 203-205, p. 203-205. ISBN 978-0-7354-0899-9. ISSN 0094-243X.
Ohlasy:
[1.1] REINHARDT, Hugo - HEFFNER, Jan. Effective potential of the confinement order parameter in the Hamiltonian approach. In PHYSICAL REVIEW D. ISSN 1550-7998, 2013, vol. 88, no. 4, 045024., WOS
- AFC08 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] LAY, M. D. H. - HILL, A. J. - SAKSIDA, P. G. - GIBSON, M. A. - BASTOW, T. J. Al-27 NMR measurement of fcc Al configurations in as-quenched Al₈₅Ni₁₁Y₄ metallic glass and crystallization kinetics of Al nanocrystals. In ACTA MATERIALIA. ISSN 1359-6454, 2012, vol. 60, no. 1, pp. 79., WOS
[1.1] THOSS, Franziska - GIEBELER, Lars - OSWALD, Steffen - EHRENBERG, Helmut - ECKERT, Juergen. Study on the reversible Li-insertion of amorphous and partially crystalline Al₈₆Ni₈La₆ and Al₈₆Ni₈Y₆ alloys as anode materials for Li-ion batteries. In ELECTROCHIMICA ACTA. ISSN 0013-4686, 2012, vol. 60, pp. 85-94., WOS
- AFC09 ISKROVÁ, Martina - MAJERNÍK, Viktor - ILLEKOVÁ, Emília - ŠAUŠA, Ondrej - BEREK, Dušan - KRIŠTIÁK, Jozef. Free volume seen by positronium in bulk and confined molecular liquid. In *Materials Science Forum. Vol. 607: Positron and Positronium Chemistry. 9th International Workshop, May 11-15, 2008, China*. - Zurich : Trans Tech Publications LTD, 2009, p. 235-237. ISSN 0255-5476.

Ohlasy:

[1.1] BARTOS, J. - SVAJDLENKOVA, H. - ZALESKI, R. - EDELMANN, M. - LUKESOVA, M. Spin probe dynamics in relation to free volume in crystalline organics by means of ESR and PALS: n-Hexadecane. In *PHYSICA B-CONDENSED MATTER*. ISSN 0921-4526, 2013, vol. 430, pp. 99-105., WOS

- AFC10 JUREČKA, S. - KOBAYASHI, H. - TAKAHASHI, M. - BRUNNER, Róbert - MADANI, M. - PINČÍK, Emil. On topographic properties of semiconductor surfaces and thin film systems. In *Materials Science Forum*. Vol. 609 : *Thin Films and Porous Materials*. Editor N. Gabouze. - Zurich : Trans Tech Publications Inc., 2009., s. 275-279. ISSN 0255-5476.

Ohlasy:

[1.1] CHOVANEC, Ferdinand - JUREČKOVA, Maria. Fractal properties of MV-algebra pastings. In *FUZZY SETS AND SYSTEMS*. ISSN 0165-0114, 2013, vol. 232, pp. 46., WOS

- AFC11 KOPÁNI, M. - JERSEL, Matej - KOBAYASHI, H. - TAKAHASHI, M. - MIKULA, M. - IMAMURA, K. - JUREČKA, S. - PINČÍK, Emil. On determination of properties of ultrathin and very thin silicon oxide layers by FTIR and X-ray reflectivity. In *Materials Research Society Symposium Proceedings : MRS Proceedings*. Vol. 1066. - Warrendale : Materials Research Society, 2008, p. 199-204.

Ohlasy:

[1.1] KULSHRESHTHA, P. K. - YOON, YoHan - YOUSSEF, K. M. - GOOD, E. A. - ROZGONYI, G. Oxygen Precipitation Related Stress-Modified Crack Propagation in High Growth Rate Czochralski Silicon Wafers. In *JOURNAL OF THE ELECTROCHEMICAL SOCIETY*. ISSN 0013-4651, 2012, vol. 159, no. 2, pp. H125., WOS

- AFC12 KRAJČÍ, Marián - HAFNER, J. Semiconducting Al-transition-metal alloys. In *The Science of Complex Alloy Phases : Proceedings of a symposium held during the TMS annual meeting and exhibition, February 13-17, 2005, San Francisco*. - Technology and Engineering, 2005, p. 251-280. ISBN 978-0-87339-593-9.

Ohlasy:

[1.1] LEVY, O. Ordered structures in rhenium binary alloys from first-principles calculations. In *JOURNAL OF THE AMERICAN CHEMICAL SOCIETY*, 2011, vol. 133, no. 1, p. 158-163., 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] LOCH, R. A. - SOBIERAJSKI, R. - LOUIS, E. - BOSGRA, J. - BIJKERK, F. Modelling single shot damage thresholds of multilayer optics for high-intensity short-wavelength radiation sources. In *OPTICS EXPRESS*. ISSN 1094-4087, 2012, vol. 20, no. 27, pp. 28200., 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] CLIFT, Bryan C. - MOWER, Ronald L. Transitioning to an athletic subjectivity: first-semester experiences at a corporate (sporting) university. In *SPORT EDUCATION AND SOCIETY*. ISSN 1357-3322, 2013, vol. 18, no. 3, pp. 349., WOS

[1.1] MARKULA, Pirkko - KENNEDY, E - MARKULA, P. &Folding' A Feminist Intervention in Mindful Fitness. In *WOMEN AND EXERCISE: THE BODY, HEALTH AND CONSUMERISM*, 2011, vol.5, p. 60., WOS

[1.1] MARKULA, Pirkko - KENNEDY, Eileen - KENNEDY, E - MARKULA, P. Beyond Binaries: Contemporary Approaches to Women and Exercise Introduction. In *WOMEN AND EXERCISE: THE BODY, HEALTH AND CONSUMERISM*, 2011, vol.5, 1., WOS

[1.1] MARKULA, Pirkko. Embodied Subjectivities: Intersections of Discursive and Critical Psychology With Socio-Cultural Exercise Research. In *SOCIOLOGY OF SPORT JOURNAL*. ISSN 0741-1235, 2014, vol. 31, no. 2, pp. 139-161., WOS

[1.1] MCGANNON, Kerry R. - JOHNSON, Christina R. - SPENCE, John C. - KENNEDY, E - MARKULA, P. I Am (Not) Big ... It's the Pictures that Got Small Examining Cultural and Personal Exercise Narratives and the Fear of Fat. In *WOMEN AND EXERCISE: THE BODY, HEALTH AND CONSUMERISM*, 2011, vol.5, 101., WOS

[1.1] NASH, Meredith. &Working out' for two: performances of 'fitness' and femininity in Australian prenatal aerobics classes. In *GENDER PLACE AND CULTURE*. ISSN 0966-369X, 2012, vol. 19, no. 4, pp. 449., WOS

[1.1] NASH, Meredith. "You don't train for a marathon sitting on the couch": Performances of pregnancy 'fitness' and 'good' motherhood in Melbourne, Australia. In *WOMENS STUDIES INTERNATIONAL FORUM*, 2011, vol.34, no.1, 50., WOS

[1.1] NASH, M. Making Postmodern Mothers: Pregnant Embodiment, Baby Bumps and Body Image. In *MAKING POSTMODERN MOTHERS: PREGNANT EMBODIMENT, BABY BUMPS AND BODY IMAGE*, 2012, pp. 1-247., WOS

AFC15 SUDA, K. - UESAKA, T. - LADYGIN, V.P. - MAEDA, Y - KURILKIN, P.K. - 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. - LIVANOV, A.N. - MALAKOV, A.I. - MATOUŠEK, Vladislav - MORHÁČ, Miroslav - PIYADIN, S.M. - REZNIKOV, S.G. - SAKAGUCHI, S. - SAKAI, H. - SASSAMOTO, Y. - SEKIGUCHI, K. - TURZO, Ivan - VASILIEV, T.A. Development of deuteron polarimeter at internal target station of nuclotron. In *Proceedings of the 17th International Spin Physics Symposium*. Vol. 915. - 2007. S. 920-923.

Ohlasy:

[1.1] KUKULIN, V. I. - PLATONOVA, M. N. Short-Range Components of Nuclear Forces: Experiment versus Mythology. In *PHYSICS OF ATOMIC NUCLEI*. ISSN 1063-7788, 2013, vol. 76, no. 12, pp. 1465., WOS

- AFC16 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] FREEDSMAN, J.J. - KUBO, T. - EGAWA, T. In IEEE TRANSACTIONS ON ELECTRON DEVICES. OCT 2013, vol. 60, no. 10, SI, p. 3079-3083., WOS
- AFC17 WIDOM, M. - MIHALKOVIČ, Marek. Relative stability of alpha and beta boron. In *Journal of Physics: Conference Series*, 2009, vol. 176, 012024. (2009 - WOS, SCOPUS). ISSN 1742-6588.
Ohlasy:
[1.1] COLINET, Catherine - TEDENAC, Jean-Claude. Enthalpies of Formation and Electronic Densities of States of Vanadium Borides. In JOURNAL OF PHASE EQUILIBRIA AND DIFFUSION. ISSN 1547-7037, 2014, vol. 35, no. 4, pp. 396., WOS
[1.1] CHKHARTISHVILI, Levan - MURUSIDZE, Ivane - DARCHIASHVILI, Maguli - TSAGAREISHVILI, Otari - GABUNIA, Domenti. Metal impurities in crystallographic voids of beta-rhombohedral boron lattice: Binding energies and electron levels. In SOLID STATE SCIENCES. ISSN 1293-2558, 2012, vol. 14, no. 11-12, pp. 1673., WOS
[1.1] LETSOALO, T. E. - LOWTHER, J. E. Elastic and Thermodynamic Properties of Potentially Superhard Carbon Boride Materials. In JOURNAL OF SUPERHARD MATERIALS. ISSN 1063-4576, 2012, vol. 34, no. 1, pp. 28., WOS
[1.1] WERHEIT, Helmut - KUHLMANN, Udo. Is the established structure of alpha-rhombohedral boron correct? Comparative study of IR-active phonons with B₆O, B₄C and beta-rhombohedral boron. In JOURNAL OF PHYSICS-CONDENSED MATTER. ISSN 0953-8984, 2012, vol. 24, no. 30, 305401., WOS

AFD Published papers from domestic scientific conferences

- AFD01 FABER, Manfred - GREENSITE, Jeff - OLEJNÍK, Štefan. Status of center dominance in various center gauges. In GREENSITE, Jeff - OLEJNÍK, Štefan. *Confinement, Topology and Other Non-Perturbative Aspects of QCD. Proceedings of the NATO Advanced Research Workshop, Stara Lesna, Slovakia, 21-27 Jan., 2002*. Eds.: Jeff Greensite, Štefan Olejník. - Dordrecht/Boston/London : Kluwer Academic Publ., 2002, p. 117-127. ISBN 1-4020-0874-0.
Ohlasy:
[3] ZUBKOV, M.A. In PREPRINT DOCTORAL THESIS (ITEP, Moscow), HEP-PH/ 1207.4619, 2012.

AFDA Published papers from international scientific conferences in Slovakia

- AFDA01 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] KOZMIDIS-PETROVIC, Ana - SESTAK, Jaroslav. Forty years of the Hruby glass-forming coefficient via DTA when comparing other criteria in relation to the glass stability and vitrification ability. In JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY. ISSN 1388-6150, 2012, vol. 110, no. 2, pp. 997., WOS

GHG Works published on the internet

GHG01 REITZNER, Daniel. Comment on Afshar' s experiments. In *quant-ph/0701152*, 2007. PREPRINT.

Ohlasy:

[3] GEORGIEV, D. Quantum histories and quantum complementarity. In ISRN MATHEMATICAL PHYSICS, 2012, 327278.

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] AL-ABYAD, M. In APPL. RAD. ISOT., 2012, vol. 70, pp. 257., WOS

[1.1] AL-ABYAD, M. In APPL. RAD. ISOT., 2012, vol. 70, pp. 257., WOS

[1.1] BHIKE, M. In NUCLEAR SCI. ENGINEERING, 2012, vol. 170, pp. 44., WOS

[1.1] KORNILOV, N.V.-GRIMES, S.M.-VOINOV, A. In NUCLEAR SCI. ENGINEERING, 2012, vol. 172, pp. 278., WOS

[1.1] PANDEY, B. - PANDEY, K. - AGRAWAL, H.M. In ANNALS OF NUCLEAR ENERGY, 2011, vol. 38, p. 853., WOS

[1.1] SADEGHI, M. In ANN. NUCL. ENG., 2012, vol. 41, pp. 97., WOS

[1.1] SADEGHI, M. In PHYSICAL REVIEW C, 2012, vol. 85, 034605., WOS