

Fyzikálny ústav SAV



**Správa o činnosti organizácie SAV
za rok 2020**

Bratislava
január 2021

IPSAS REPORT 2020 SUMMARY

Year 2020 was unusual in many aspects as the global covid-19 pandemic situation brought many new challenges for the whole human society. Researchers of the institute actively participated in the modeling of the pandemic evolution, especially at its beginning in the spring months. They have applied for dedicated projects (jointly with other relevant institutes) to continue with this activity, however, the projects were not accepted so far. The most significant change for the researchers during this era was the reduction of scientific meetings and related mobilities. We may say that very slowly all of us get used to virtual world that helped a lot to keep the communication and the research collaborations active, thus, the pandemic did not really affect our research activities in a drastic way. Comparing with the previous year, the total number of publications dropped by 15%, the number citations remained the same, the number of PhD students increased by 20%. In 2019 we started to reward such publications in highly impacted journals (list in the table below). The number of such publication in 2020 was half of the year 2019, but 2019 was really exceptional from this point of view. The institute is formed of 6 research departments with 64.4 FTE researchers (altogether 77.71 FTE employees) at various stage of their research career (36% above 60 years old). Average number of publications per FTE is slightly below two, but the quality (in terms of publication quartiles) went down a bit. In the annual quantitative scientific performance evaluation (taking into account years 2018-2019) the Institute of Physics was the second (achieved plus 9.5% budget increase) among 14 institutes of Slovak Academy of Sciences belonging to the Section of institutes covering non-living nature sciences. Keeping this position would be very difficult and attracting new perspective researchers is necessary.

The key scientific results of the Institute's researchers in 2020 were traditionally selected by IPSAS Scientific Board. In the category for basic research the publication by Daniel Nagaj (Research Center for Quantum Information) and his collaborators was selected. In their work, published in Science Advances 6, eabb8341 (2020), they have analyzed the so-called sign problem – a well known convergence issue in the area of quantum Monte-Carlo simulations - from the computational complexity point of view. They have come up with an heuristic method that is relaxing the effect of varying signs depending on the measure of stoquaticity of the Hamiltonians. They proved that itself such **easing of the sign problem** is NP-complete, however, they have showed that for small values of stoquaticity it can significantly speed up the simulation and overcome the difficulties with the sign problem. The collaboration led by Martin Venhart (Department of nuclear physics) was selected as the main scientific achievements in the category of international collaboration. Using the experimental cyclotron infrastructure at University of Jyväskylä, under the guidance of researchers from IPSAS, the research team investigated the excited states of different deformations of extremely neutron-deficit isotopes of gold. As a result of 24 days of measurements they collected data enabling them to discover a state exhibiting significant **two-state mixing effect** of weakly and strongly deformed structures of ¹⁷⁷Au. This experiment was reported in Physics Letters B 806, 135488 (2020). For the category of applied research the Scientific Board selected collection of seven publications reporting methods of the **growth of thin layers of organic semiconductors** for application in optoelectronics. In particular, the orientation of organic molecules is influencing the optoelectronic properties of the materials. The research team led by Peter Šiffalovič (Department of multilayers and nanostructures) has successfully developed original methods for the controlled growth and manipulation of this orientation exploiting on low-dimensional graphene layers and 2D flakes of MoS₂.

During 2020 we started with regular monthly meetings (collegia) between the director's office and leaders of individual departments aiming to discuss organisational and strategic issues. Among other things we agreed on organisational rules. In particular, the departments were given complete freedom in their employment policy, the model of distribution of the institutional budget over the departments was introduced and in accordance with the action plan the research evaluation strategy

was designed. We established the funding schemes for institutional PhD and postdoctoral fellowships (one position per year, postdoctoral position will be open in 2021). We received more than 100 PhD applications, 18 of them successfully passed the selection process, but the budget limitations allowed us to accept only 8 of them. We consider the interest of students from the whole world as an important sign of the recognition of the institute and also as a promising potential for the future success of the institute.

Rewarded publications in high impact journals

KARKI, A - VOLLBRECHT, J - **NÁDAŽDY, Vojtech** - G. C. - FRIEND, R. H. - NGUYEN, T.Q., **Unifying Charge Generation, Recombination, and Extraction in Low-Offset Non-Fullerene Acceptor Organic Solar Cells**, Advanced Energy Materials, 2020, vol. 10, no. 29, 2001203. (2019: 25.245 - IF)

HANGLEITER, Dominik - ROTH, Ingo - **NAGAJ, Daniel** - EISERT, Jens, **Easing the Monte Carlo sign problem**, Science Advances, 2020, vol. 6, no. 33, eabb8341. (2019: 13.116 - IF)

NAKAJIMA, T - NOIRI, A... - **STAŇO, Peter** - ..., A - WIECK, A. D. - LOSS, D. - TARUCHA, S., **Coherence of a driven electron spin qubit actively decoupled from quasi-static noise**, Physical Review X, 2020, vol. 10, no. 1, 011060. (2019: 12.577 - IF)

HUANG, Fei - **ŠIFFALOVÍČ, Peter** - LI, Bo - YANG, Shixu - ZHANG, Linxing - **NÁDAŽDY, Peter** - CAO, Guozhong - TIAN, Jianjun, **Controlled Crystallinity and Morphologies of 2D Ruddlesden-Popper Perovskite Films Grown without Anti-Solvent for Solar Cells**, Chemical Engineering Journal, 2020, vol. 394, 124959. (2019: 10.652 - IF)

BODIK, Michal - **JERGEL, Matej** - **MAJKOVÁ, Eva** - **ŠIFFALOVÍČ, Peter**, **Langmuir films of low-dimensional nanomaterials**, Advances in colloid and interface science, 2020, vol. 283, 102239. (2019: 9.922 - IF)

HEO, Do Yeon - ... - KAVAN, Ladislav - OMASTOVÁ, Mária - **MAJKOVÁ, Eva** - JANG, Ho Won - KIM, Soo Young, **Effect of lead thiocyanate ions on performance of tin-based perovskite solar cells**, Journal of Power Sources, 2020, vol. 458, art.no. 228067, [8] p. (2019: 8.247 - IF)

YUN, Jiyoung - **RAI, Ashutosh** - BAE, Joonwoo, **Nonlocal Network Coding in Interference Channels**, Physical Review Letters, 2020, vol. 125, no. 15, 150502. (2019: 8.385 - IF)

Obsah

1. Základné údaje o organizácii
2. Vedecká činnosť
3. Doktorandské štúdium, iná pedagogická činnosť a budovanie ľudských zdrojov pre vedu a techniku
4. Medzinárodná vedecká spolupráca
5. Koncepcia dlhodobého rozvoja organizácie
6. Spolupráca s VŠ a inými subjektmi v oblasti vedy a techniky
7. Aplikácia výsledkov výskumu v spoločenskej a hospodárskej praxi
8. Aktivity pre Národnú radu SR, vládu SR, ústredné orgány štátnej správy SR a iné organizácie
9. Vedecko-organizačné a popularizačné aktivity
10. Činnosť knižnično-informačného pracoviska
11. Aktivity v orgánoch SAV
12. Hospodárenie organizácie
13. Nadácie a fondy pri organizácii SAV
14. Iné významné činnosti organizácie SAV
15. Vyznamenania, ocenenia a ceny udelené organizácii a pracovníkom organizácie SAV
16. Poskytovanie informácií v súlade so zákonom o slobodnom prístupe k informáciám
17. Problémy a podnety pre činnosť SAV

PRÍLOHY

- A Zoznam zamestnancov a doktorandov organizácie k 31.12.2020*
- B Projekty riešené v organizácii*
- C Publikačná činnosť organizácie*
- D Údaje o pedagogickej činnosti organizácie*
- E Medzinárodná mobilita organizácie*
- F Vedecko-popularizačná činnosť pracovníkov organizácie SAV*

1. Základné údaje o organizácii

1.1. Kontaktné údaje

Názov: Fyzikálny ústav SAV

Riaditeľ: Doc. Mgr. Mário Ziman, PhD.

Zástupca riaditeľa: Mgr. Andrej Gendiar, PhD.

Vedecký tajomník: Mgr. Erik Bartoš, PhD.

Predseda vedeckej rady: Ing. Štefan Gmuca, CSc.

Členka Snemu SAV: RNDr. Katarína Gmucová, CSc.

Adresa: Dúbravská cesta 9, 845 11 Bratislava 45

<https://www.fu.sav.sk>

Tel.: +421-2-59410 501

E-mail: secretary.fusav@savba.sk

Názvy a adresy organizačných zložiek a detašovaných pracovísk:

Organizačné zložky: nie sú

Detašované pracoviská:

- **Spoločné pracovisko EIÚ a FÚ SAV**
Vrbovská cesta 5051/110, 92101 Piešťany

Vedúci organizačných zložiek a detašovaných pracovísk:

Organizačné zložky: nie sú

Detašované pracoviská:

- **Spoločné pracovisko EIÚ a FÚ SAV**
Ing. Rudolf Senderák, Piešťany

Členovia Snemu SAV za organizačné zložky:

nie sú

Typ organizácie: Príspevková od roku 1997

1.2. Údaje o zamestnancoch

Tabuľka 1a Počet a štruktúra zamestnancov

Štruktúra zamestnancov	K	K		K do 35 rokov		F	P	T	O
		M	Ž	M	Ž				
Celkový počet zamestnancov	122	90	32	23	10	116	77.71	63.2	0
Vedeckí pracovníci	83	73	10	12	2	79	61.13	60.3	0
Odborní pracovníci VŠ (výskumní a vývojoví zamestnanci ¹)	19	13	6	11	6	19	2.13	1.9	0
Odborní pracovníci VŠ (ostatní zamestnanci ²)	9	1	8	0	1	7	4.78	1	0
Odborní pracovníci ÚS	11	3	8	0	1	11	9.67	0	0
Ostatní pracovníci	0	0	0	0	0	0	0	0	0

¹ odmeňovaní podľa 553/2003 Z.z., príloha č. 5

² odmeňovaní podľa 553/2003 Z.z., príloha č. 3 a č. 4

K – kmeňový stav zamestnancov v pracovnom pomere k 31.12.2020 (uvádzať zamestnancov v pracovnom pomere, vrátane riadnej materskej dovolenky, zamestnancov pôsobiach v zahraničí, v štátnych funkciách, členov Predsedníctva SAV, zamestnancov pôsobiach v zastupiteľských zboroch)

F – fyzický stav zamestnancov k 31.12.2020 (bez riadnej materskej dovolenky, zamestnancov pôsobiach v zahraničí v štátnych funkciách, členov Predsedníctva SAV, zamestnancov pôsobiach v zastupiteľských zboroch)

P – celoročný priemerný prepočítaný počet zamestnancov

T – celoročný priemerný prepočítaný počet riešiteľov projektov

O – celoročný priemerný prepočítaný počet obslužného personálu podieľajúceho sa na riešení projektov (technikov, laborantov, projektových manažérov a pod.) mimo zamestnancov v administratívne, správe a údržbe budov, upratovačiek, vodičov a pod.

M, Ž – muži, ženy

Tabuľka 1b Štruktúra vedeckých pracovníkov (kmeňový stav k 31.12.2020)

Rodová skladba	Pracovníci s hodnosťou				Vedeckí pracovníci v stupňoch		
	DrSc.	CSc./PhD.	prof.	doc.	I.	II.a.	II.b.
Muži	14	60	4	3	16	36	21
Ženy	1	10	0	0	1	2	7

Tabuľka 1c Štruktúra pracovníkov podľa veku a rodu, ktorí sú riešiteľmi projektov

Veková štruktúra (roky)	< 31		31-35		36-40		41-45		46-50		51-55		56-60		61-65		> 65	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B
Muži	11	1.9	8	6.5	13	11.8	12	8.8	3	2.5	2	1.2	5	5.0	12	12.0	12	8.8
Ženy	6	0.3	3	1.6	3	1.9	1	0.1	0	0.0	0	0.0	0	0.0	2	2.0	1	0.5

A - Prepočet bez zohľadnenia úväzkov zamestnancov

B - Prepočet so zohľadnením úväzkov zamestnancov

Tabuľka 1d Priemerný vek zamestnancov organizácie k 31.12.2020

	Kmeňoví zamestnanci	Vedeckí pracovníci	Riešitelia projektov
Muži	47.6	49.4	47.9
Ženy	44.3	45.6	38.7
Spolu	46.7	49.0	46.3

1.3. Iné dôležité informácie k základným údajom o organizácii a zmeny za posledné obdobie (v zameraní, v organizačnej štruktúre a pod.)

V súvislosti s vyhlásením núdzového stavu 16. marca 2020 a následnými protipandemickými opatreniami spojenými s epidémiou koronavírusu **COVID-19**, pracovníci boli nútení obmedziť fyzickú prítomnosť na pôde FÚ. Obmedzenie činnosti sa týkalo aj účasti na hromadných vedeckých podujatiach, obhajobách a pod. FÚ zakúpil licenciu na online platformu **ZOOM**, ktorá sa využívala na prípravu webinárov, pracovných stretnutí a hlavne na prípravu Dňa otvorených dverí 2020.

V decembri 2020 sa uskutočnili doplňovacie voľby do Vedeckej rady Fyzikálneho ústavu SAV. VR pracuje v obsadení:

Interní členovia: Ing. Vlastimil Boháč, CSc., Ing. Štefan Gmuca, CSc. (predseda), RNDr. Katarína Gmucová, CSc., RNDr. Marián Krajčí, DrSc., RNDr. Igor Matko, CSc., doc. RNDr. Martin Plesch, PhD., Mgr. Michal Sedlák (podpredseda), PhD., RNDr. Ondrej Šauša, CSc.

Externí členovia: doc. RNDr. Richard Hlubina DrSc. (FMFI UK), prof. Dr.h.c. RNDr. Michal Hnatič, DrSc. (ÚEF SAV), prof. Ing. Vladimír Nečas, PhD. (FEI STU).

2. Vedecká činnosť

2.1. Domáce projekty

Tabuľka 2a Domáce projekty riešené v roku 2020

ŠTRUKTÚRA PROJEKTOV	Počet		Čerpané financie (€)					
	A	B	A				B	
			Zo zdrojov SAV		Z iných zdrojov		Zo zdrojov SAV	Z iných zdrojov
			Spolu	Pre organizáciu	Spolu	Pre organizáciu		
1. Projekty VEGA	17	1	156650	145910	-	-	-	-
2. Projekty APVV	9	8	-	-	226401	273189	-	86762
3. Projekty OP ŠF	0	0	-	-	-	-	-	-
4. Projekty SASPRO	0	0	-	-	-	-	-	-
5. Iné projekty (FM EHP, ŠPVV, Vedecko-technické projekty, ESF, na objednávku rezortov a pod.)	1	1	16646	16646	-	-	-	33000

A - organizácia je nositeľom projektu

B - organizácia sa zmluvne podieľa na riešení projektu

Tabuľka 2b Domáce projekty podané v roku 2020

Štruktúra projektov	Miesto podania	Organizácia je nositeľom projektu	Organizácia sa zmluvne podieľa na riešení projektu
1. Účasť na nových výzvach APVV r. 2020	14	6	8
2. Projekty výziev OP ŠF podané r. 2020	Bratislava		
	Regióny		

2.2. Medzinárodné projekty

2.2.1. Medzinárodné projekty riešené v roku 2020

Tabuľka 2c Medzinárodné projekty riešené v roku 2020

ŠTRUKTÚRA PROJEKTOV	Počet		Čerpané financie (€)					
	A	B	A				B	
			Zo zdrojov SAV		Z iných zdrojov		Zo zdrojov SAV	Z iných zdrojov
			Spolu	Pre organizáciu	Spolu	Pre organizáciu		
1. Projekty 7. RP EÚ a Horizont 2020	0	1	-	-	-	-	1204	-
2. Projekty ERA.NET, ESA, JRP	0	4	-	-	-	-	50695	-
3. Projekty COST	1	2	-	573	-	-	4874	-
4. Projekty EUREKA, NATO, UNESCO, CERN, IAEA, IVE, ERDF a iné	2	2	3440	3440	40000	4036	14143	15269
5. Projekty v rámci medzivládnych dohôd	0	7	-	-	-	-	-	105953
6. Bilaterálne projekty MAD	0	0	-	-	-	-	-	-
7. Bilaterálne projekty ostatné	0	0	-	-	-	-	-	-
8. Podpora MVTS z národných zdrojov okrem SAV (APVV a iné)	0	0	-	-	-	-	-	-
9. Iné projekty	0	0	-	-	-	-	-	-

A - organizácia je nositeľom projektu

B - organizácia sa zmluvne podieľa na riešení projektu

2.2.2. Medzinárodné projekty Horizont 2020 podané v roku 2020

Tabuľka 2d Počet projektov Horizont 2020 v roku 2020

	A	B
Počet podaných projektov Horizont 2020		

A - organizácia je nositeľom projektu

B - organizácia sa zmluvne podieľa na riešení projektu

Údaje k domácim a medzinárodným projektom sú uvedené v Prílohe B.

2.2.3. Zámery na čerpanie štrukturálnych fondov EÚ v ďalších výzvach

2.3. Najvýznamnejšie výsledky vedeckej práce (maximálne 1000 znakov + 1 obrázok; bibliografický údaj uvádzajte rovnako ako v zozname publikačnej činnosti, vrátane IF)

2.3.1. Základný výskum

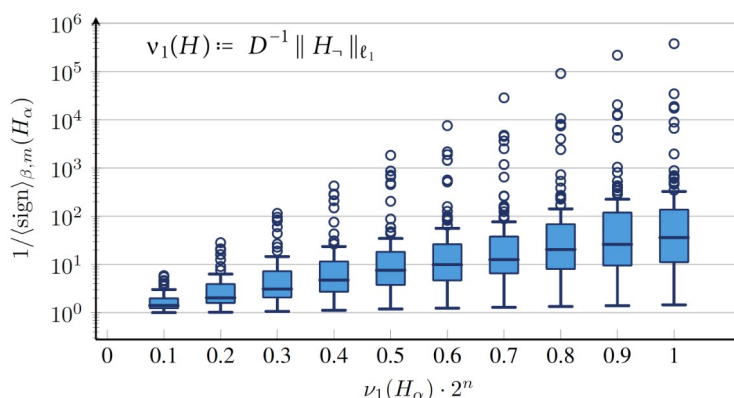
Easing the Monte Carlo sign problem

Autori: Dominik Hangleiter, Ingo Roth, **Daniel Nagaj**, Jens Eisert

Objavy nečakaných aplikácií teórie tuhých látok stoja a padajú na našom porozumení mnohočasticovým kvantovým systémom. Ich presné skúmanie je náročné aj kvôli problému znamienka (sign problem). Rôzne znamienka nediagonálnych elementov kvantových Hamiltoniánov veľmi ovplyvňujú rýchlosť numerickej konverencie široko používanej smplovacej metódy – Kvantového Monte Carla (QMC). Na spresnenie výsledkov potrebujeme veľa dátových bodov. Len v špeciálnych prípadoch poznáme triky, ktorými sa zlých znamienok zbaviť.

Náš prístup prepájajúci mnohočasticovú fyziku s teóriou výpočtovej zložitosti je relaxovaný. Nesnažíme sa zlé znamienka úplne obísť. Zisťovať, či sa to vôbec dá, je vo všeobecnosti výpočtovo ťažká úloha. Namiesto toho sme ukázali, ako znížiť vplyv týchto znamienok a nesmierne tak zrýchliť mnoho numerickej práce. Na jednej strane sme cez novú výpočtovú dostupnú mieru úspechu a hľadanie iného pohľadu (lokálnej zmeny bázy) navrhli postup na zmierňovanie problému znamienka (easing the sign problem). To vyzerá veľmi sľubne v praxi (pozri obrázok). Na druhej strane sme ukázali, že v najhoršom prípade je aj čiastočné uľahčenie problému znamienka predsa len výpočtovo neuvädnuteľná (NP-úplná) úloha.

[1] D. Hangleiter, I. Roth, D. Nagaj, J. Eisert, Easing the Monte Carlo sign problem, Science Advances, Vol. 6, no. 33, eabb8341 (14 Aug 2020), DOI: 10.1126/sciadv [2019: 13.116 – IF]



Obr. Novú mieru nestokvasticity vieme kontrolovať a znižovať. Naša miera pekne koreluje s problémom znamienka v QMC pre náhodné spinové reťazce.

Ďalej bez udania poradia:

1D popis hydrodynamického unášania difundujúcej častice v nehomogénnom kanáli

Autor: Pavol Kalinay

Unášanie difundujúcej častice Hagen-Poiseuilleho tokom okolitej kvapaliny je základným príkladom difúzie pod vplyvom nekonzervatívnej (vírovej) sily. Ukázali sme, že príslušnú 2D/3D advekčno-difúziu rovnicu pre časticu uzavretú v symetrickom kanáli premenného polomeru $h(x)$ je tiež možné mapovať na pozdĺžnu súradnicu x vylepšenou homogenizačnou procedúrou [1]. Výsledkom je opäť zovšeobecnená Fick-Jacobsova rovnica, v ktorej sme zaviedli nový "kalibračný" potenciál $\gamma(x)$. Okrem rozvoja efektívneho difúzneho koeficientu $D(x)$ v škálovacom parametri ϵ tak metóda rekurzívne počíta aj tento potenciál. Ukázali sme, že v prípade nestlačiteľnej kvapaliny sú tieto veličiny viazané vzťahom $\gamma'(x)/D(x) = Q/[2\pi h^2(x)]$, kde Q je sila toku. Metóda nám umožnila rozšíriť Reguera-Rubího formulu o systematické opravy na nenulový tok Q , a tak rozhodnúť dôležitosť vplyvu nehomogenity kanálu, ktorá difuzivitu znižuje a hydrodynamického toku, ktorý ju zvyšuje [2].

Pridaním konzervatívnej sily môžeme študovať techniky separácie častíc, ako odstredovanie, alebo flotáciu v nehomogénnom kanáli [3]. Premenný prierez dáva vzniknúť novým javom, ako je záchyt častíc pri nastavení špecifických parametrov systému vo víroch, a tým k možnému zvýšeniu účinnosti týchto separačných metód.

[1] P. Kalinay and F. Slanina: Dimensional reduction of a general advection-diffusion equation in 2D channels, J. Phys. - Cond. Matter 30, 244002 (2018). [2017: 2.617 – IF]

[2] P. Kalinay: Taylor dispersion in Poiseuille flow in three-dimensional tubes of varying diameter, Phys. Rev. E 102, 042606 (2020). [2019: 2.296 – IF]

[3] F. Slanina and P. Kalinay: Hydrodynamic separation of colloidal particles in tube: Effective one-dimensional approach, Phys. Rev. E 100, 032606 (2019). [2018: 2.353 – IF]

Analýza multikvarkových stavov v rámci kovariantného kvarkového modelu

Autori: S. Dubnička, A. Liptaj

Študovali sme zriedkavé radiačné leptónické rozpady $B_s \rightarrow l+l-\gamma$ ($l = e, \mu, \tau$) v rámci Štandardného modelu, berúc do úvahy ako amplitúdu závislú od štruktúry, tak aj bremsstrahlung. Vypočítali sme formfaktory charakterizujúce prechod $B_s \rightarrow \gamma$ v celej kinematickej oblasti štvorca prenesenej dileptónovej hybnosti. Poskytujeme analytickú formulu pre diferenciálnu rozpadovú distribúciu a tiež predpovede pre branching fractions v dvoch prípadoch príspevkov na veľké vzdialenosti aj bez nich [1].

Pre rezonanciu $Y(4260)$ ako štvorkvarkový stav, uvažujeme dve možnosti interpolačného prúdu. Buď prúd molekulárneho typu, ktorý účinne zodpovedá súčinu kvarkových prúdov D a \bar{D}_1 , alebo prúd tetrakvarkového typu. V oboch prípadoch sme vypočítali šírky rozpadov $Y(4260) \rightarrow Z_c(3900) + \pi$ and $Y(4260) \rightarrow D(*) + \bar{D}^*(*)$ [2].

Prehodnotili sme existujúce výsledky pre exotické stavy XYZ a ich rozpady získané v rámci kovariantného kvarkového modelu so zabudovaným uväznením kvarkov. Tento dynamický prístup je založený na nelokálnom lagranžiáne interakcie hadrónov s kvarkami, je vhodný na popis rôznych multikvarkových stavov. Našu analýzu sme zamerali hlavne na rozpadové režimy piatich exotických stavov. Uzávery o povahe týchto stavov favorizujú molekulovú štruktúru pre stavy $Z_c(3900)$, $Z_b(10610)$ a $Z_b'(10650)$, a tetrakvarkovú štruktúru pre stavy $X(3872)$ a $Y(4260)$ [3].

[1] S. Dubnička, A. Z. Dubníčková, M. A. Ivanov, A. Liptaj, P. Santorelli, and C. T. Tran, „Study of $B_s \rightarrow l+l-\gamma$ decays in covariant quark model“, Physical Review D 99, 1 (2019) 014042, doi:

10.1103/PhysRevD.99.014042 [2018: 4.368 – IF]

[2] S. Dubnička, A.Z. Dubničková, A. Issadykov, M. A. Ivanov, A. Liptaj, „Y(4260) as a four-quark state“, *Physical Review D* 101, 9 (2020) 094030, doi: 10.1103/PhysRevD.101.094030 [2019: 4.833 – IF]

[3] S. Dubnička, A.Z. Dubničková, M. A. Ivanov, A. Liptaj, „Dynamical Approach to Decays of XYZ States“, *Symmetry*, 12, 6 (2020) 884, doi: 10.3390/SYM12060884 [2019: 2.645 – IF]

2.3.2. Aplikačný typ

Rast tenkých vrstiev organických polovodičov pre optoelektroniku

Autori: Peter Šiffalovič, Nad'a Mrkývková, Jakub Hagara, Peter Nádaždy, Ashin Shaji, Michal Bodík, Jurij Halahovets, Alica Brunová, Matej Jergel, Eva Majková

Orientácia organických molekúl (napr. stojaca, ležiaca) v organických tenkých vrstvách má zásadný vplyv na ich optoelektronické vlastnosti. Zamerali sme sa preto na možnosť riadenia molekulárnej orientácie v tenkých organických vrstvách s využitím vhodných nízkodimenzionálnych podkladových vrstiev ako grafén a dvojdimenzionálny MoS₂ [1–3], ktoré slúžia ako šablóna. Ukázali sme, že grafén iniciuje rast ležiacej fázy rôznych molekúl ako napr. 5,5'-bis(naft-2-yl)-2,2'-bitiofén (NaT2) [4]. Pre zabudovanie inak orientovanej fázy, ako napr. stojacej fázy, by sa však musela použiť šablóna z iného materiálu. Na prekonanie tohto obmedzenia sme použili vrstvy 2D vločiek MoS₂ s hrúbkou niekoľko monoatomárnych rovín s rôzne orientovanými kryštalografickými osami c. Ukázali sme, že takéto vrstvy MoS₂ s rôznou orientáciou osi c iniciujú rast rôzne orientovaných fáz organických filmov, ako napr. 1-[5'-(2-naftyl) -2,2'-bitiofén-5-yl] hexán-1-ón (NCOH) a diindenoperylén (DIP) [5,6]. To dáva univerzálnu možnosť kontrolovaného rastu molekulárnych vrstiev s kryštalograficky odlišne orientovanými doménami na tej istej šablóne. Pre sledovanie tohto rastu z hľadiska vývoja kryštalickej fázy a monitorovanie vývoja povrchovej morfológie v reálnom čase sme ďalej rozpracovali metódu in-situ röntgenového rozptylu pod malým uhlom dopadu (GIWAXS) [7].

[1] Hutár, P.; Sojková, M.; Kundrata, I.; Vegso, K.; Shaji, A.; Nádaždy, P.; Pribusová Slušná, L.; Majková, E.; Šiffalovic, P.; Hulman, M. Correlation between the Crystalline Phase of Molybdenum Oxide and Horizontal Alignment in Thin MoS₂ Films. *J. Phys. Chem. C* 2020, 124 (35), 19362–19367. <https://doi.org/10.1021/acs.jpcc.0c05336>. [2019: 4.189 – IF]

[2] Bodik, M.; Demydenko, M.; Shabelnyk, T.; Halahovets, Y.; Kotlar, M.; Kostiuik, D.; Shaji, A.; Brunova, A.; Veis, P.; Jergel, M.; E.Majková, P.Šiffalovič, Collapse Mechanism in Few-Layer MoS₂ Langmuir Films. *J. Phys. Chem. C* 2020, 15856–15861. <https://doi.org/10.1021/acs.jpcc.0c02365>. [2019: 4.189 – IF]

[3] Bodik, M.; Sojkova, M.; Hulman, M.; Tapajna, M.; Truchly, M.; Vegso, K.; Jergel, M.; Majkova, E.; Spankova, M.; Šiffalovic, P. Friction Control by Engineering the Crystallographic Orientation of the Lubricating Few-Layer MoS₂ Films. *Appl. Surf. Sci.* 2021, 540, 148328. <https://doi.org/10.1016/j.apsusc.2020.148328>.

[4] Huss-Hansen, M. K.; Hodas, M.; Mrkyvkova, N.; Hagara, J.; Jensen, B. B. E.; Osadnik, A.; Lützen, A.; Majková, E.; Šiffalovic, P.; Schreiber, F.; Tavares, L.; Kjelstrup-Hansen, J.; Knaapila, M. Surface-Controlled Crystal Alignment of Naphthyl End-Capped Oligothiophene on Graphene: Thin-Film Growth Studied by in Situ X-Ray Diffraction. *Langmuir* 2020, 36 (8), 1898–1906. <https://doi.org/10.1021/acs.langmuir.9b03467>. [2019: 3.557 – IF]

[5] Hagara, J.; Mrkyvkova, N.; Nádaždy, P.; Hodas, M.; Bodík, M.; Jergel, M.; Majková, E.; Tokár,

K.; Hutár, P.; Sojková, M.; A.Chumakov, O.Konovalov, P.Pandit, S.Roth, A.Hinderhofer, M.Hulman, P.Šiffalovič, F. Schreiber, Reorientation of π -Conjugated Molecules on Few-Layer MoS₂ Films. Phys. Chem. Chem. Phys. 2020, 22 (5), 3097—3104. <https://doi.org/10.1039/c9cp05728e>. [2019: 3.430 – IF]

[6] Hagara, J.; Mrkyvkova, N.; Feriancová, L.; Putala, M.; Nádaždy, P.; Hodas, M.; Shaji, A.; Nádaždy, V.; Huss-Hansen, M. K.; Knaapila, M.; M.Zwadlo, L.Merten, M.Jergel, E.Majková, A.Hinderhofer, P.Šiffalovič, F.Schreiber. Novel Highly Substituted Thiophene-Based n-Type Organic Semiconductor: Structural Study, Optical Anisotropy and Molecular Control. CrystEngComm 2020, 22 (42), 7095–7103. <https://doi.org/10.1039/d0ce01171a>. [2019: 3.117 – IF]

[7] Mrkyvkova, N.; Nadazdy, P.; Hodas, M.; Chai, J.; Wang, S.; Chi, D.; Sojkova, M.; Hulman, M.; Chumakov, A.; Konovalov, O. V.; A.Hinderhofer, M.Jergel, E.Majkova, P.Šiffalovič, F.Schreiber, Simultaneous Monitoring of Molecular Thin Film Morphology and Crystal Structure by X-Ray Scattering. Cryst. Growth Des. 2020, 20 (8), 5269–5276. <https://doi.org/10.1021/acs.cgd.0c00448>. [2019: 4.089 – IF]

Ďalej bez udanie poradia:

Teoretický výskum identifikácie genetických vzorov

Autori: Erik Bartoš, Salvatore Capozziello, Kabin Kanjamapornkul, Richard Pinčák

Spoločným menovateľom súboru prác je analýza údajov časových radov pomocou spinorových polí. Prístup vychádza z moderných metód teórie strún, braid grúp, supersymetrických teórií a kvantovej teórie poľa. Cieľom je navrhnúť matematický model, aplikovateľný na biologické systémy. Ukazujeme, že Chern-Simonsov prúd, pochádzajúci z ghost a anti-ghost polí v supersymetrickej teórii, možno použiť na definovanie spektra génovej exprese v nových údajoch časových radov. Spinorové pole, ako alternatívne znázornenie génu, je prijaté namiesto použitia štandardnej sekvencie báz A, T, C, G, U. Proces reverznej transkripcie génovej exprese by mohol byť definovaný modulovým stavovým modelom väzbového spinorového poľa medzi génom vírusovej častice a hostiteľskou bunkou. Všeobecným výsledkom je, že všetky stavy kodónov je možné vypočítať Chern-Simonsovými 3-formami. Na vizuálne znázornenie Chern-Simons prúdov je použitá Hilbertova spektrálna analýza využívajúa Hilbert-Huang transformáciu, vhodnú na popis nestacionárnych a nelineárnych údajov.

Náš výsledok poukazuje, že navrhovaná metodika by mohla byť užitočná pri identifikácii genetických vzorov v genóme a pri nájdení ich vzťahu napr. ku rakovinovým génom.

[1] Kabin Kanjamapornkul, Richard Pinčák a Erik Bartoš, “Cohomology theory for financial time series”, Physica A546 (2020), s. 122212, doi: 10.1016/j.physa.2019.122212. [2019: 2.924 – IF]

[2] Richard Pinčák, Kabin Kanjamapornkul a Erik Bartoš, “Cohomology theory for biological time series”, Mathematical Methods in the Applied Sciences 43, 2 (2020), s. 552–579, doi:10.1002/mma.5906. [2019: 1.626 – IF]

[3] Richard Pinčák, Kabin Kanjamapornkul a Erik Bartoš, “A theoretical investigation on the predictability of genetic patterns”, Chemical Physics 535 (2020), s. 110764, doi: 10.1016/j.chemphys.2020.110764. [2019: 1.771 – IF]

[4] Richard Pinčák a Erik Bartoš, “Chemical evolution of protein folding in amino acids”, Chemical Physics 537 (2020), s. 110856, doi: 10.1016/j.chemphys.2020.110856. [2019: 1.771 – IF]

[5] S. Capozziello, R. Pinčák a E. Bartoš, “Chern-Simons current of left and right chiral superspace in graphene wormhole”, Symmetry 12, 5 (2020), s. 774, doi: 10.3390/SYM12050774. [2019: 2.645 – IF]

- [6] S. Capozziello, R. Pinčák a E. Bartoš, “A Supersymmetry and Quantum Cryptosystem with Path Integral Approach in Biology”, *Symmetry* 12, 8 (2020), s. 1214, doi: 10.3390/sym12081214. [2019: 2.645 – IF]
- [7] Richard Pinčák a Erik Bartoš, “The role of codons during a natural selection”, *Chemical Physics* 540 (2021), s. 110986, doi: 10.1016/j.chemphys.2020.110986. [2019: 1.771 – IF]
- [8] Richard Pinčák a Erik Bartoš, „Application of Spin-Orbit Coupling in Exotic Graphene Structures and Biology“ in „Solid State Physics – Metastable, Spintronics Materials and Mechanics of Deformable Bodies – Recent Progress” (2020), ed. Subbarayan Sivasankaran, ed. Pramoda Kumar Nayak, ed. Ezgi Günay, IntechOpen, doi: 10.5772/intechopen.88486.

2.3.3. Medzinárodné vedecké projekty

Population of a low-spin positive-parity band from high-spin intruder states in ^{177}Au : The two-state mixing effect

Autori: Martin Venhart et al.

Práca je výsledkom spolupráce 11-tich výskumných inštitúcií a univerzít z Európy, Ameriky, Afriky a Ázie. Práca je výsledkom celkovo 24 meracích dní na cyklotróne $K = 130$ MeV na Univerzite v Jyväskylä, rozdelených do dvoch kampaní. Bola využitá komplexná detekčná infraštruktúra, ktorá pracuje na tamojšom pracovisku. Experiment zahŕňal detekciu gama žiarenia s vysokým rozlíšením, alfa častíc, konverzných elektrónov a identifikáciu ťažkých iónov.

Obsluha takejto aparatury vyžadovala spoluprácu veľkého riešiteľského kolektívu. Tento pracoval pod vedením Fyzikálneho ústavu SAV. Z FÚ SAV pochádza celková idea experimentov ako aj návrhy, ktoré boli predložené na schválenie medzinárodnou programovou komisiou (PAC). Martin Venhart bol vedúcim (spokesperson) oboch návrhov. Na FÚ SAV bola realizovaná celá fyzikálna analýza nameraných dát a vznikol tu aj rukopis článku. Ten bol oponentami prijatý bez akýchkoľvek zmien. Prvých troch spoluautorov ako aj korešpondenčný spoluautor sú z FÚ SAV. Dáta v článku dali základ jednej dizertačnej práci, ktorá čaká na obhajobu.

Práca sa zaoberá previazaním vzbudených stavov s rozdielnou deformáciou v extrémne neutrónovo-deficitných izotopoch Au. V ^{177}Au bolo preukázané silné previazanie medzi slabou a silne deformovanými štruktúrami, ktoré doteraz nebolo v izotopoch zlata popísané. Všetky známe prípady previazania sú na úrovni pár percent, kdežto v tomto prípade sú obe komponenty vlnovej funkcie takmer ekvivaletné. Bol preukázaný zásadný vplyv tohto javu na jadrovú štruktúru. Časopis *Physics Letters B* je významný špecializovaný časopis pre jadrovú a časticovú fyziku, ktorý uverejňuje závažné nové poznatky v týchto disciplínach. V relatívne nedávnej minulosti tu bol napr. publikovaný po prvýkrát objav Higgsovho bozónu. Práca vyvolala aj záujem novinárskej obce, viď napr. <https://zive.aktuality.sk/clanok/147001/tvary-v-atomovom-jadre-komunikuju-medzi-sebou-aj-inak-ako-sa-vedci-domnievali/>

<https://www.teraz.sk/veda/tvary-v-atomovom-jadre-komunikuju-aj-i/469564-clanok.html>

Práca je jednoznačným príkladom úspešnosti veľkej medzinárodnej spolupráce.

- [1] M. Venhart et al.: "Population of a low-spin positive-parity band from high-spin intruder states in ^{177}Au : The two-state mixing effect", *Physics Letters B* 806, 135488 (2020) doi.org/10.1016/j.physletb.2020.135488 [2019: 4.384 – IF]

Ďalej bez udania poradia:

Vrstvený protokol pre kvantovú distribúciu kľúča a jeho implementácia

Autor: Matej Pivoluska

Kvantové prepletenie je jedným z najdôležitejších zdrojov kvantovej informácie. V posledných rokoch sa výskum kvantového zapletenia zameriaval hlavne na zvýšenie počtu prepletených qubitov alebo na vysokorozmerné zapletenie dvoch častíc. Ničmenej, kvantové stavy kombinujúce obe vlastnosti – viacčasticové prepletené stavy s vysokou dimenziou – majú tiež veľmi zaujímavé vlastnosti a sú užitočné pri konštrukcii bezpečných kvantových sietí za použitia “vrstveného” protokolu pre zdieľanie kvantového kľúča [1]. Existuje však len málo štúdií o viacčasticovom vysokorozmernom kvantovom zapletení a to najmä kvôli obtiažnosti vytvárania takýchto stavov v praxi. V nedávnej publikácii [2] sme experimentálne pripravili viacčasticový vysoko-dimenzionálny stav $|\Psi_{442}\rangle = 1/2 (|000\rangle + |110\rangle + |221\rangle + |331\rangle)$ pomocou dráhového režimu fotónov s fidelitou $F = 0,854 \pm 0,007$. Tento kvantový stav sme následne použili na demonštráciu implementácie “vrstveného” protokolu pre zdieľanie kvantového kľúča. Naša práca ukazuje ďalšiu možnú cestu k implementácii komplexných bezpečných kvantových sietí.

[1] Matej Pivoluska, Marcus Huber, and Mehul Malik, Layered quantum key distribution, Phys. Rev. A 97, 032312, (2018), arXiv:1709.00377. [2017: 2.909 – IF]

[2] Xiao-Min Hu, Wen-Bo Xing, Chao Zhang, Bi-Heng Liu, Matej Pivoluska, Marcus Huber, Yun-Feng Huang, Chuan-Feng Li, Guang-Can Guo, Experimental creation of multi-photon high-dimensional layered quantum states, npj Quantum Information volume 6, Article number: 88, (2020), arXiv:2001.06253. [2019: 7.286 – IF]

2.4. Publikačná činnosť (zoznam je uvedený v prílohe C)

Tabuľka 2e Štatistika vybraných kategórií publikácií

PUBLIKAČNÁ A EDIČNÁ ČINNOSŤ	Počet v r. 2020/ doplňky z r. 2019
1. Vedecké monografie a monografické štúdie vydané v domácich vydavateľstvách (AAB, ABB)	0 / 0
2. Vedecké monografie a monografické štúdie vydané v zahraničných vydavateľstvách (AAA, ABA)	0 / 0
3. Odborné monografie, vysokoškolské učebnice a učebné texty vydané v domácich vydavateľstvách (BAB, ACB, CAB)	0 / 0
4. Odborné monografie a vysokoškolské učebnice a učebné texty vydané v zahraničných vydavateľstvách (BAA, ACA, CAA)	0 / 0
5. Kapitoly vo vedeckých monografiách vydaných v domácich vydavateľstvách (ABD)	0 / 0
6. Kapitoly vo vedeckých monografiách vydaných v zahraničných vydavateľstvách (ABC)	1 / 0
7. Kapitoly v odborných monografiách, vysokoškolských učebniciach a učebných textoch vydaných v domácich vydavateľstvách (BBB, ACD)	0 / 0
8. Kapitoly v odborných monografiách, vysokoškolských učebniciach a učebných textoch vydaných v zahraničných vydavateľstvách (BBA, ACC)	0 / 0
9. Vedecké práce registrované v Current Contents Connect (ADCA, ADCB, ADDA, ADDB)	92 / 0
10. Vedecké práce registrované vo Web of Science Core Collection alebo Scopus (ADMA, ADMB, ADNA, ADNB)	17 / 0
11. Vedecké práce v ostatných domácich časopisoch (ADFA, ADFB)	3 / 0
12. Vedecké práce v ostatných zahraničných časopisoch (ADEA, ADEB)	3 / 0
13. Vedecké práce v domácich recenzovaných zborníkoch (AEDA)	0 / 0
14. Vedecké práce v zahraničných recenzovaných zborníkoch (AECA)	0 / 0
15. Publikované príspevky na domácich vedeckých konferenciách (AFB, AFD)	6 / 0
16. Publikované príspevky na zahraničných vedeckých konferenciách (AFA, AFC)	7 / 0
17. Vydané periodiká evidované v CCC, WoS Core Collection, SCOPUS	0
18. Ostatné vydané periodiká	0
19. Zostavovateľské práce knižného charakteru (FAI)	2 / 0
20. Preklady vedeckých a odborných textov (EAJ)	0 / 0
21. Heslá v odborných terminologických slovníkoch a encyklopédiách (BDA, BDB)	0 / 0
22. Recenzie v časopisoch a zborníkoch (EDI)	0 / 0

Evidujú len tie práce zamestnancov a doktorandov, v ktorých je uvedená afiliácia k organizácii

Tabuľka 2f Štatistika vedeckých prác podľa kvartilu vedeckého časopisu

Kvartil vedeckého časopisu	Q1	Q2	Q3	Q4	Spolu
Podľa IF z r. 2019 (zdroj JCR) <i>Počet článkov / doplnky</i>	36 / 0	37 / 0	12 / 0	14 / 0	99 / 0
Podľa SJR z r. 2019 (zdroj Scimago) <i>Počet článkov / doplnky</i>	63 / 0	25 / 0	13 / 0	8 / 0	109 / 0

Tabuľka 2g Ohlasy

OHLASY	Počet v r. 2019/ doplnky z r. 2018
Citácie vo WOS (1.1, 2.1)	3306 / 0
Citácie v SCOPUS (1.2, 2.2)	37 / 1
Citácie v iných citačných indexoch a databázach (9, 10, 3.2, 4.2)	0 / 0
Citácie v publikáciách neregistrovaných v citačných indexoch (3, 4, 3.1, 4.1)	4 / 0
Recenzie na práce autorov z organizácie (5, 6, 7, 8)	0 / 0

2.5. Aktívna účasť na vedeckých podujatiach

Tabuľka 2h Vedecké podujatia

Prednášky a vývesky na medzinárodných vedeckých podujatiach	
Prednášky a vývesky na národných vedeckých podujatiach	

2.6. Vyžiadané prednášky

Ak boli príspevky publikované, sú súčasťou prílohy C, kategória (AFC, AFD, AFE, AFF, AFG, AFH)

2.6.1. Vyžiadané prednášky na medzinárodných vedeckých podujatiach

doc. Mgr. Mário Ziman, PhD.

4. 12. 2020, „Optimal probabilistic storage and retrieval“, Quantum Foundations, Technology and Applications 2020, <http://210.212.36.85/QFTA20/>

RNDr. Stanislav Dubnička, DrSc.

8. 9. 2020, „Electromagnetic structure of mesons and baryons“, 20th Conference of Czech and Slovak Physicists (7. — 10. 9. 2020), <https://indico.cern.ch/event/851173/>

prof. Ing. Štefan Luby, DrSc.

14. 9. 2020, „Graphene at the Crossroads“, VIII. Advances in Electronic and Photonic Technologies - ADEPT 2020 Conference (14. — 17. 9. 2020), Vysoké Tatry, Nový Smokovec, Slovensko, <https://adept.fyzika.uniza.sk/program.php>

2.6.2. Vyžiadané prednášky na národných vedeckých podujatiach

prof. Ing. Štefan Luby, DrSc.

29. 1. 2020, 30 rokov SES NEZES, Bratislava, Slovensko, „Slovenská veda v medzinárodnej konkurencii“

2.6.3. Vyžiadané prednášky na významných vedeckých inštitúciách

2.7. Patentová a licenčná činnosť na Slovensku a v zahraničí v roku 2020

2.7.1. Vynálezy, na ktoré bol v roku 2020 udelený patent

a) na Slovensku

Názov vynálezu: Viacvrstvové pásky na báze zliatin kovov a spôsob ich výroby

Číslo patentu: 288762

Dátum priority: 13.12.2011

Majiteľ / spolumajiteľ: Centrum vedecko-technických informácií SR; Fyzikálny ústav SAV

Pôvodcovia vynálezu: Švec Peter, Janičkovič Dušan, Halász Michal, Švec Jr. Peter, Hoško Jozef

b) v zahraničí

2.7.2. Vynálezy prihlásené v roku 2020

a) na Slovensku

b) v iných krajinách ako prioritná prihláška

c) PCT

d) EP

e) v iných krajinách v rámci tzv. národnej fázy po PCT, resp. po validácii EP

2.7.3. Úžitkové vzory na Slovensku

a) prihlásené v roku 2020

b) udelené v roku 2020

2.7.4. Realizované vynálezy

a) predané patenty resp. prihlášky vynálezov (v prípade úplnej zmeny majiteľa patentu)

b) predané licencie (v prípade že majiteľom ostáva organizácia SAV)

Finančný prínos pre organizáciu SAV v roku 2020 a súčet za predošlé roky sa neuvádzajú, ak je zverejnenie v rozpore so zmluvou súvisiacou s realizáciou patentu.

2.8. Účasť expertov na hodnotení národných projektov (APVV, VEGA a iných)

Tabuľka 2i Experti hodnotiaci národné projekty

Meno pracovníka	Typ programu/projektu/výzvy	Počet hodnotených projektov
Boháč Vlastimil	VEGA	1
Butvinová Beata	VEGA	1
Gmuca Štefan	APVV, VEGA	2
Jergel Matej	APVV	1

	VEGA	4
Plesch Martin	APVV	1

2.9. Účasť na spracovaní hesiel do encyklopédie Beliana

Počet autorov hesiel: 1

2.10. Recenzovanie publikácií a príspevkov vo vedeckých časopisoch

Tabuľka 2j Počet recenzovaných monografií, článkov, zborníkov

Meno pracovníka	Knižné monografie		Príspevky v časopisoch			Zborníky	
	Domáce	Zahra- ničné	WoS, SCOPUS	Iné databázy	Ostatné	Domáce	Zahra- ničné
Annušová Adriana	0	0	1	0	0	0	0
Boháč Vlastimil	0	0	2	0	0	0	3
Butvinová Beata	0	0	1	0	0	0	0
Butvinová Beata	0	0	2	0	0	0	0
Gendiar Andrej	0	0	5	0	0	0	0
Gmucová Katarína	0	0	1	0	0	0	5
Jergel Matej	0	0	10	0	0	0	0
Kalinay Pavol	0	0	6	0	0	0	0
Luby Štefan	2	0	2	0	0	0	2
Matoušek Vladislav	0	0	2	0	0	0	0
Nádaždy Vojtech	0	0	1	0	0	0	0
Nagaj Daniel	0	0	11	0	0	0	1
Pivoluska Matej	0	0	7	0	0	0	0
Plesch Martin	0	0	10	0	0	0	0
Reitzner Daniel	0	0	2	0	0	0	0
Sedlák Michal	0	0	3	0	0	0	0
Šauša Ondrej	0	0	5	0	0	0	1
Švec Peter	0	0	9	0	0	0	0
Venhardt Martin	0	0	1	0	0	0	0
Ziman Mário	0	0	14	0	0	0	0
Spolu	2	0	86	0	0	0	12

2.11. Iné informácie k vedeckej činnosti.

prof. Ing. Štefan Luby, DrSc.: vypracovanie **49 hesiel** pre Encyklopédiu Beliana, najmä heslá pokrývajúce európske a svetové univerzity, laureátov Nobelových cien a fyzikálne javy.

3. Doktorandské štúdium, iná pedagogická činnosť a budovanie ľudských zdrojov pre vedu a techniku

3.1. Údaje o doktorandskom štúdiu

Tabuľka 3a Počet doktorandov v roku 2020

Forma	Počet k 31.12.2020				Počet doktorandov po doktorandskej skúške		Počet ukončených doktorantúr v r. 2020					
							Ukončenie z dôvodov					
	celkový počet		z toho novoprijatí				ukončenie úspešnou obhajobou		predčasné ukončenie		neúspešné ukončenie	
M	Ž	M	Ž	M	Ž	M	Ž	M	Ž	M	Ž	
Denná zo zdrojov SAV	15	6	6	1	9	2	5	1	2	0	0	0
Denná z iných zdrojov	2	1	1	1	1	0	0	0	0	0	0	0
Externá	0	0	0	0	0	0	0	0	0	0	0	0
Spolu	17	7	7	2	10	2	5	1	2	0	0	0
Súhrn	24		9		12		6		2		0	

Uvádzajte len doktorandov organizácie ako externej vzdelávacej inštitúcie.

Riadok „Spolu“ je súčtom troch riadkov nad ním. Každá bunka v „Súhrn“ je súčtom dvoch buniek nad ňou. V stĺpci „Počet doktorandov po doktorandskej skúške“ sa uvádza počet doktorandov, ktorí počas roku 2020 boli aspoň 1 deň doktorandami po doktorandskej skúške. Sú číselne zahrnutí aj v predchádzajúcich stĺpcoch.

3.2. Zmena formy doktorandského štúdia

Tabuľka 3b Počty preradení z dennej formy na externú a z externej na dennú

Pôvodná forma	Denná z prostriedkov SAV	Denná z prostriedkov SAV	Denná z iných zdrojov	Denná z iných zdrojov	Externá	Externá
Nová forma	Denná z iných zdrojov	Externá	Denná z prostriedkov SAV	Externá	Denná z prostriedkov SAV	Denná z iných zdrojov
Počet	0	0	0	0	0	0

3.3. Zoznam doktorandov, ktorí ukončili doktorandské štúdium úspešnou obhajobou

Tabuľka 3c Menný zoznam ukončených doktorandov v roku 2020 úspešnou obhajobou

Meno doktoranda	Forma DŠ	Mesiac, rok nástupu na DŠ	Mesiac, rok obhajoby	Číslo a názov študijného odboru	Meno a organizácia školiteľa	Fakulta udeľujúca vedeckú hodnotu
Mgr. Michal	interné	9 / 2016	8 / 2020	4.1.4 kvantová	Dr. Rer. Nat.	Fakulta

Bodík	štúdium hradené z prostriedkov SAV			elektronika a optika	Peter Šiffalovič PhD., Fyzikálny ústav SAV	matematiky, fyziky a informatiky UK
Ing. Anna Kálosi	interné štúdium hradené z prostriedkov SAV	9 / 2016	8 / 2020	5.2.48 fyzikálne inžinierstvo	RNDr. Eva Majková DrSc., Fyzikálny ústav SAV	Fakulta elektrotechniky a informatiky STU
Mgr. Jozef Klimo	interné štúdium hradené z prostriedkov SAV	9 / 2014	1 / 2020	4.1.5 jadrová a subjadrová fyzika	Mgr. Martin Veselský PhD., Fyzikálny ústav SAV	Fakulta matematiky, fyziky a informatiky UK
Mgr. Peter Nádaždy	interné štúdium hradené z prostriedkov SAV	9 / 2016	8 / 2020	4.1.4 kvantová elektronika a optika	Dr. Rer. Nat. Peter Šiffalovič PhD., Fyzikálny ústav SAV	Fakulta matematiky, fyziky a informatiky UK
Mgr. Riyas Subair	interné štúdium hradené z prostriedkov SAV	9 / 2016	8 / 2020	4.1.4 kvantová elektronika a optika	RNDr. Eva Majková DrSc., Fyzikálny ústav SAV	Fakulta matematiky, fyziky a informatiky UK
Mgr. Róbert Urban	interné štúdium hradené z prostriedkov SAV	9 / 2014	9 / 2020	4.1.5 jadrová a subjadrová fyzika	Mgr. Martin Venhart PhD., Fyzikálny ústav SAV	Fakulta matematiky, fyziky a informatiky UK

3.4. Zoznam doktorandov, ktorí ukončili doktorandské štúdium úspešnou obhajobou v nadštandardnej dĺžke štúdia

Tabuľka 3d Menný zoznam ukončených doktorandov v roku 2020 úspešnou obhajobou v nadštandardnej dĺžke štúdia

Meno doktoranda	Forma DŠ	Mesiac, rok nástupu	Mesiac, rok obhajoby	Číslo a názov študijného odboru	Meno a organizácia školiťel'a	Fakulta udeľujúca vedeckú
--------------------	-------------	---------------------------	----------------------------	---------------------------------------	-------------------------------------	---------------------------------

		na DŠ				hodnosť
--	--	-------	--	--	--	---------

3.5. Uplatnenie absolventov doktorandského štúdia

Tabuľka 3e Prehľad uplatnenia absolventov doktorandského štúdia

Počet absolventov PhD. štúdia v roku 2020 (obhajoba leto 2020)	z toho koľkí sa zamestnali vo výskume (SAV, univerzity, rezortné výskumné ústavy)	z toho koľkí sa zamestnali v praxi mimo výskum, kde využívajú svoju kvalifikáciu	z toho koľkí sa zamestnali v praxi, kde nevyužívajú svoju kvalifikáciu	z toho koľkí boli nejaký čas nezamestnaní
4	4	0	0	0

Zoznam interných a externých doktorandov je uvedený v prílohe A.

3.6. Medzinárodné doktorandské štúdium

Tabuľka 3f Počet študentov v medzinárodných programoch doktorandského štúdia

Cotutelle	Co-direction	Iné	Zahraniční doktorandi štátne občianstvo/počet
0	0	0	IND/7, IRN/3, PAK/3, ITA/1, KAZ/1, MEX/1, SRB/1

Zahraniční doktorandi sú doktorandi v dennej alebo externej forme štúdia, ktorí sú občanmi iných krajín.

Doktorandi školení v rámci Cotutelle alebo Co-direction sa do posledného stĺpca nezapočítavajú.

3.7. Zoznam študijných odborov, na ktoré má ústav uzatvorenú rámcovú dohodu, s uvedením VŠ

Tabuľka 3g Zoznam študijných odborov, na ktoré má ústav uzatvorenú rámcovú dohodu, s uvedením univerzity/vysokej školy a fakulty, kde sa doktorandský študijný program uskutočňuje

Názov študijného odboru (ŠO)	Číslo ŠO	Doktorandské štúdium uskutočňované na (univerzita/vysoká škola a fakulta)
Fyzika	13	Fakulta matematiky, fyziky a informatiky UK
Elektrotechnika	9	Fakulta elektrotechniky a informatiky STU

Tabuľka 3h Účasť na pedagogickom procese

Menný prehľad pracovníkov, ktorí boli menovaní do odborových komisií pre doktorandské štúdium	Menný prehľad pracovníkov, ktorí pôsobili ako členovia vedeckých rád univerzít, správnych rád univerzít a fakúlt	Menný prehľad pracovníkov, ktorí získali vyššiu vedeckú, pedagogickú hodnosť alebo vyšší kvalifikačný stupeň
Doc. RNDr. Emil Běták, DrSc. (všeobecná fyzika a matematická fyzika)	Doc. RNDr. Emil Běták, DrSc. (Filozoficko-prirodovedecká fakulta Slezské univerzity, Česká republika)	RNDr. Matej Pivoluska, PhD. (IIa)
Doc. RNDr. Emil Běták, DrSc. (jadrová a subjadrová fyzika)	Prof. RNDr. Vladimír Bužek, DrSc. (Fakulta matematiky,	

	fyziky a informatiky UK)	
Doc. RNDr. Emil Běťák, DrSc. (odbor v zahraničí)	prof. Ing. Štefan Luby, DrSc. (Alma Mater Europaea Ascoli Piceno, Taliansko)	
Ing. Vlastimil Boháč, CSc. (fyzikálne inžinierstvo)	prof. Ing. Ivan Štich, DrSc. (Fakulta prírodných vied UCM)	
Prof. RNDr. Vladimír Bužek, DrSc. (všeobecná fyzika a matematická fyzika)	Mgr. Martin Venhart, PhD. (Materiálovotechnologická fakulta STU v Trnave)	
RNDr. Stanislav Dubnička, DrSc. (všeobecná fyzika a matematická fyzika)		
RNDr. Stanislav Dubnička, DrSc. (jadrová a subjadrová fyzika)		
Mgr. Andrej Gendiar, PhD. (všeobecná fyzika a matematická fyzika)		
Mgr. Andrej Gendiar, PhD. (všeobecná fyzika a matematická fyzika)		
Ing. Štefan Gmuca, CSc. (jadrová a subjadrová fyzika)		
Ing. Matej Jergel, DrSc. (fyzika kondenzovaných látok a akustika)		
Ing. Matej Jergel, DrSc. (kvantová elektronika a optika)		
Ing. Matej Jergel, DrSc. (fyzikálne inžinierstvo)		
RNDr. Pavol Kalinay, CSc. (všeobecná fyzika a matematická fyzika)		
Ing. Ján Kliman, DrSc. (fyzika)		
Ing. Ján Kliman, DrSc. (jadrová a subjadrová fyzika)		
Ing. Ján Kliman, DrSc. (jadrová energetika)		
Ing. Ján Kliman, DrSc. (fyzikálne inžinierstvo)		
Ing. Ján Kliman, DrSc. (odbor v zahraničí)		
Ing. Štefan Lányi, DrSc. (elektronika)		
RNDr. Eva Majková, DrSc. (kvantová elektronika a optika)		
RNDr. Eva Majková, DrSc. (fyzikálne inžinierstvo)		
Doc. RNDr. Martin Plesch, PhD. (teória vyučovania fyziky)		
RNDr. Ladislav Šamaj, DrSc.		

(všeobecná fyzika a matematická fyzika)		
RNDr. Ondrej Šauša, CSc. (jadrová chémia)		
Dr. Rer. Nat. Peter Šiffalovič, PhD. (kvantová elektronika a optika)		
Ing. Peter Švec, DrSc. (všeobecná fyzika a matematická fyzika)		
Ing. Peter Švec, DrSc. (fyzika kondenzovaných látok a akustika)		
Ing. Peter Švec, DrSc. (elektrotechnológie a materiály)		
Ing. Peter Švec, DrSc. (materiály)		
Ing. Peter Švec, DrSc. (fyzikálne inžinierstvo)		
Mgr. Martin Veselský, PhD. (jadrová a subjadrová fyzika)		

3.8. Údaje o pedagogickej činnosti

Tabuľka 3i Prednášky a cvičenia vedené v roku 2020

PEDAGOGICKÁ ČINNOSŤ	Prednášky		Cvičenia a semináre	
	doma	v zahraničí	doma	v zahraničí
Počet prednášateľov alebo vedúcich cvičení	4	1	1	2
Celkový počet hodín v r. 2020	86	26	48	108

Prehľad prednášateľov predmetov a vedúcich cvičení, s uvedením názvu predmetu, úväzku, katedry, fakulty, univerzity/vysokej školy je uvedený v prílohe D.

Tabuľka 3j Aktivity pracovníkov na VŠ

1.	Počet pracovníkov, ktorí pôsobili ako vedúci alebo konzultanti diplomových a bakalárskych prác	12
2.	Počet vedených alebo konzultovaných diplomových a bakalárskych prác	20
3.	Počet pracovníkov, ktorí pôsobili ako školitelia doktorandov (PhD.)	4
4.	Počet školených doktorandov (aj pre iné inštitúcie)	10
5.	Počet oponovaných dizertačných a habilitačných prác	5
6.	Počet pracovníkov, ktorí oponovali dizertačné a habilitačné práce	2
7.	Počet pracovníkov, ktorí pôsobili ako členovia komisií pre obhajoby DrSc. prác	0
8.	Počet pracovníkov, ktorí pôsobili ako členovia komisií pre obhajoby PhD. prác	5
9.	Počet pracovníkov, ktorí pôsobili ako členovia komisií, resp. oponenti v inauguračnom alebo habilitačnom konaní na vysokých školách	1

3.9. Iné dôležité informácie k pedagogickej činnosti

Š. Luby: Odpovede na otázky pre n.o. na podporu vzdelávania EDUCTECH.

4. Medzinárodná vedecká spolupráca

4.1. Medzinárodné vedecké podujatia

4.1.1. Medzinárodné vedecké podujatia, ktoré organizácia SAV organizovala v roku 2020 alebo sa na ich organizácii podieľala, s vyhodnotením vedeckého a spoločenského prínosu podujatia

Trojkráľová konferencia 2020, Bratislava, Slovensko, 40 účastníkov, 10. 03. 2020

Trináste tradičné stretnutie českých a slovenských mladých fyzikov.

Informal quantum symposium (IQUAS) 2020, Smolenice, Slovensko, 30 účastníkov, 24. — 28. 08. 2020

Solid State Surfaces and Interfaces 2020, Zámok Smolenice, Slovensko, 40 účastníkov, 23. — 26. 11. 2020

Konferencia sa uskutočnila online cez Cisco Webex Meetings aplikáciu.

4.1.2. Medzinárodné vedecké podujatia, ktoré usporiada organizácia SAV v roku 2021 (anglický a slovenský názov podujatia, miesto a termín konania, meno, telefónne číslo a e-mail zodpovedného pracovníka)

APCOM 2021 – Applied Physics of Condensed Matter/APCOM 2021 – Applied Physics of Condensed Matter, Štrbské Pleso, Slovensko, 23.06.-25.06.2021, (Peter Švec, [59410] 561, 562, 570, 582, peter.svec@savba.sk)

4.1.3. Počet pracovníkov v programových a organizačných výboroch medzinárodných konferencií

Tabuľka 4a Programové a organizačné výbory medzinárodných konferencií

Meno pracovníka	Programový	Organizačný	Programový i organizačný
Báčová Silvia	0	0	1
Boháč Vlastimil	1	0	0
Brunner Róbert	0	0	1
Gmuca Štefan	1	0	0
Luby Štefan	1	0	0
Majková Eva	0	1	0
Nagaj Daniel	1	0	0
Pinčík Emil	0	0	1
Reitzner Daniel	0	0	1
Sedlák Michal	0	0	1
Šauša Ondrej	0	0	1
Ziman Mário	1	0	1
Spolu	5	1	6

4.2. Členstvo a funkcie v medzinárodných orgánoch

4.2.1. Členstvo a funkcie v medzinárodných vedeckých spoločnostiach, úniách a národných komitétach SR

Doc. RNDr. Emil Běták, DrSc.

Institute of Physics (funkcia: fellow)
Institute of Physics (funkcia: člen Fellowship Panelu)

RNDr. Pavol Butvin, CSc.

European Physical Society (funkcia: člen)

Prof. RNDr. Vladimír Bužek, DrSc.

American Physical Society (funkcia: člen)
Optical Society of America (funkcia: fellow)
Rakúska akadémia vied (funkcia: zahraničný člen)

Mgr. Peter Filip, PhD.

European Physical Society (funkcia: individuálny člen)

Mgr. Andrej Gendiar, PhD.

Americká fyzikálna spoločnosť (funkcia: člen)

Ing. Ján Ivančo, DrSc.

American Chemical Society (funkcia: člen)
Polish Synchrotron Radiation Society (funkcia: člen korespondent)

Ing. Matej Jergel, DrSc.

Česko-Slovenská kryštalografická spoločnosť (funkcia: člen, 1996-2002 člen Rady)
European Academy of Sciences and Arts (funkcia: člen)
Európska organizácia používateľov synchrotrónového žiarenia a FEL (European Synchrotron and FEL Users Organization) (funkcia: národný delegát)
Národný komitét IUPAP (funkcia: člen)

Ing. Štefan Lányi, DrSc.

Česká společnost pro nové materiály a technologie (funkcia: člen)
Materials Research Society (funkcia: člen)

prof. Ing. Štefan Luby, DrSc.

Európska akadémia vied a umení (funkcia: senátor)
Európska akadémia vied a umení (funkcia: vedúci slovenskej delegácie)
Europska akademija vied a umení (funkcia: viceprezident)
Identifikačný kód Slovenska (funkcia: gestor za EASA)

International Union of Vacuum, Sci. and Technol. (IUVSTA) (funkcia: člen)
Medzinárodná nadácia S.T.E.P.S. Grécko - USA (funkcia: člen rady)

RNDr. Eva Majková, DrSc.

Academia Europea Scietiarum et Artium (funkcia: socius ordinarius)
International Union of Vacuum Science, Technology and Applications, IUVSTA, Divízia
tenkých vrstiev (funkcia: národný reprezentant)
L'ORÉAL-UNESCO Pre ženy vo vede (funkcia: predsedníčka poroty)
Steering Committee v medzinárodnom M-ERANET programe (funkcia: členka)

RNDr. Igor Mat'ko, CSc.

Československá mikroskopická spoločnosť (funkcia: člen)

RNDr. Emil Pinčík, CSc.

International Committee of Analysis in Steel and Iron Industry - ICASI (funkcia: člen
medzinárodného výboru)

Doc. RNDr. Martin Plesch, PhD.

Medzinárodná federácia fyzikálnych súťaží (funkcia: vice-prezident)
Medzinárodný turnaj mladých fyzikov (funkcia: prezident)
Medzinárodný výbor IJSO (funkcia: člen)

RNDr. Daniel Reitzner, PhD.

Fulbright Commision (funkcia: Alumni)

Ing. Mgr. Peter Staňo, PhD.

American Physical Society (funkcia: člen)

prof. Ing. Ivan Štich, DrSc.

American Physical Society (funkcia: člen)
European Academy of Sciences and Arts (funkcia: člen)

Ing. Vladimír Štofanič, PhD.

IEEE-UFFC (funkcia: člen)
URSI (funkcia: člen)

Ing. Peter Švec, DrSc.

Československá mikroskopická spoločnosť (funkcia: člen)
Intl. Advisory Committe on Rapid Quenching (funkcia: member)
IUPAP (funkcia: member, Comission C10 on Solid State Physics)

Ing Peter Švec Jr., PhD.

Československá mikroskopická spoločnosť (funkcia: člen výboru)
European Microscopy Society (funkcia: člen)

Mgr. Martin Venhart, PhD.

The Nuclear Physics European Collaboration Committee (funkcia: člen)

4.3. Účast' expertov na hodnotení medzinárodných projektov (EÚ RP, ESF a iných)

Tabuľka 4b Experti hodnotiaci medzinárodné projekty

Meno pracovníka	Typ programu/projektu/výzvy	Počet hodnotených projektov
Jergel Matej	MVTS SAS-TÜBITAK	1
Nagaj Daniel	National Science Center OSF Poland	1
Plesch Martin	Erasmus +	10
	Narodowe Centrum Nauki	1

4.4. Najvýznamnejšie prínosy MVTS ústavu vyplývajúce z mobility a riešenia medzinárodných projektov a iné informácie k medzinárodnej vedeckej spolupráci

Prehľad údajov o medzinárodnej mobilitě pracovníkov organizácie je uvedený v Prílohe E.

Prehľad a údaje o medzinárodných projektoch sú uvedené v kapitole 2 a Prílohe B.

Napriek tomu, že mobilita samotná bola silne ovplyvnená pandémiou Covid-19, tak vďaka elektronickým prostriedkom na samotnú spoluprácu nemala zatiaľ priamy dopad.

Medzi najvýznamnejšie prínosy patria výsledky popísané v časti 2.3, najmä výsledky v oblasti jadrovej fyziky, kde naši kolegovia (M. Venhart a kolektív Oddelenia jadrovej fyziky) vedú medzinárodné konzorciá na experimentoch vo Fínsku a na urýchlovači v CERN.

Okrem toho sa podarilo získať nový projekt v medzinárodných spoluprákach v rámci výzvy SAS-MOST Joint Research Projects (zodp. riešiteľ: A.Gendiar, názov projektu: Tensor Network States Algorithms and Applications).

Slovensko sa stalo súčasťou iniciatívy EuroQCI (European quantum communication infrastructure, reprezentantom SK je zamestnanec FÚ SAV prof. Vladimír Bužek), ktorej cieľom je zosúladiť národné aktivity pri budovaní kvantovej komunikačnej siete.

5. Koncepcia dlhodobého rozvoja organizácie

Koncepcia dlhodobého rozvoja zostáva nezmenená a rovnako nezmenene naráža na nestabilitu a nejasnosť podpory výskumu v SR.

5.1. Odporúčania z posledného pravidelného hodnotenia organizácií SAV (akreditácie)

Splniteľné odporúčania, ktoré nezávisia na výskumnom prostredí SR a teda sú pod kontrolou zamestnancov FÚ SAV, boli splnené už v predošlých rokoch.

5.2. Hlavné body Akčného plánu organizácie a stav ich plnenia

Všetky hlavné body akčného plánu boli naplnené.

1. Zvyšovanie kvality výstupov výskumu: dôraz na kvalitu je zrejmý z publikačnej činnosti. V posledných dvoch rokoch bolo spolu 20 článkov publikovaných v časopisoch s impakt faktorom vyšším ako 8 a tieto publikácie boli špeciálne odmenené v rámci ústavu a niektoré z nich aj predsedníctvom SAV.

2. Zvyšovanie kvality doktorandskej prípravy: Počet doktorandov nám stúpol z 13 na 23, pričom väčšina z nich sú zo zahraničia. Tlak na kvalitu spôsobil, že dvaja doktorandi ukončili svoje štúdium predčasne. Do výberu sa nám prihlásilo viac ako 100 kandidátov, z ktorých vyše 20 postúpilo do druhého kola a nakoniec sme vybrali 8 kandidátov (2 hradený z vlastných zdrojov). Prepracovali sme proces výberu a v rámci ústavu sme vytvorili zdroje na 2 doktorandské miesta FÚ SAV, čím sú aj jednotlivé oddelenia motivované vyčleniť vlastné prostriedky na doktorandov. Drobným problémom tohoto roka je, že doktorandi zo zahraničia (6 z ôsmich prijatých) majú administratívno-technické problémy nastúpiť na prezenčnú formu štúdia.

3. Kariérny rast postdoktorandov a výskumníkov: vytvorili sme pozíciu IPSAS postdoc, ktorú otvoríme ďalší rok. Nejde o nástroj na vytvorenie trvalého miesta, ale na trvalú obnovu vedeckých pracovníkov. Pozícia je limitovaná na obdobie jedného roka s možnosťou predĺženia o jeden ďalší rok. Vypracovali sme pravidlá na predlžovanie zmlúv na dobu určitú v súlade s akčným plánom, ktoré boli diskutované na VR a v prvom polroku 2021 je v pláne nový organizačný poriadok schváliť. Zmluvy na dobu neurčitú súčasné vedenie neplánuje dávať. Dôvodom je spôsob ukončovania takýchto zmlúv pri výrazne zníženej výskumnej aktivite (typicky v pokročilejšom veku), ktoré vlastne vedie aj k relatívne nedôstojným situáciám.

4. Zvyšovanie účasti v programoch ERA a H2020: Počet relevantných pokusov o projekty tohoto typu zodpovedá možnostiam ústavu.

5. Projekty VEGA a APVV: V roku 2020 boli všetky aplikácie o VEGA granty úspešné a v roku 2021 začíname s 12 novými VEGA projektami. Potešujúce je, že väčšina z nich skončila v kategórii A. Vo výzvach APVV vyhodnotených v roku 2020 sme boli menej úspešní. Konkrétne sme získali 2 projekty ako koordinátori a 3 projekty ako spoluriešitelia. V jednom z koordinátorských projektov bolo navrhnuté príslušnou radou APVV (bez odporúčaní hodnotiteľov) škrtnutie finančných zdrojov, ktoré reálne znemožňovalo implementáciu tohoto projektu. Z tohoto dôvodu sme boli nútení projekt odmietnuť. V parametre získavania finančných prostriedkov z týchto zdrojov zaznamenávame posledné roky významnejší pokles. Hlavným problémom však je, že celkový limit na rozpočet sa nemenil od vzniku APVV, napriek tomu, že všetky náklady reálne stúpajú.

6. Manažment ústavu: Jednoduchšie veci sa podarili už predtým. V ostatnom roku sme začali organizovať kolégiá — stretnutia vedenia s vedúcimi oddelení. Konali sa pravidelne každý mesiac, čo výrazne zefektívnilo komunikáciu a aj riešenie praktických problémov.

5.3. Aktualizácia Akčného plánu organizácie v roku 2020

Aktualizáciu sme chceli spraviť v roku 2020 a tento cieľ sme nesplnili. Dôvodom nebola pandémia, ale skôr množstvo iných organizačných vecí, ktoré boli dlhodobo zanedbávané. Prišlo k ich pomenovaniu a ich odstránenie bude určite obsiahnuté v novom akčnom pláne, ktorý v roku 2021 bude pripravený.

6. Spolupráca s univerzitami/vysokými školami a inými subjektmi v oblasti vedy a techniky, okrem aktivít uvedených v kap. 2, 3, 4

6.1. Spoločné pracoviská organizácie

6.1.1. Spolupráca s univerzitami/VŠ (fakultami)

Názov univerzity/vysokej školy a fakulty: Dokuz Eylul University Izmir, Turkey

Oblasť spolupráce: Termofyzikálne vlastnosti uhlíkových nanorúrok vyplňajúcich polymérne kompozity

Sídlo spoločného pracoviska (ak je vytvorené):

Začiatok spolupráce: 2016

Zhodnotenie: Meranie termofyzikálnych vlastností polymérnych kompozitov na báze HDPE a s vláknami alebo časticami uhlíkových nano štruktúr.

Názov univerzity/vysokej školy a fakulty: Fakulta chemickej a potravinárskej technológie STU

Oblasť spolupráce: Experimenty na charakterizáciu vlastností keramickej peny

Sídlo spoločného pracoviska (ak je vytvorené):

Začiatok spolupráce: 2010

Zhodnotenie: Spolupráca je v oblasti merania termofyzikálnych parametrov keramickej peny za účelom optimalizácie technológie výroby.

Názov univerzity/vysokej školy a fakulty: Fakulta matematiky, fyziky a informatiky UK

Oblasť spolupráce: Spolupráca laboratórií elektrostatických urýchľovačov

Sídlo spoločného pracoviska (ak je vytvorené):

Začiatok spolupráce: 2017

Zhodnotenie: V rámci spolupráce s MFF UK Bratislava a MTF STU Trnava (UVP CAMBO) sa uskutočnili prvé diskusie o spolupráci pri využití elektrostatických urýchľovačov na Slovensku. Cieľom tejto spolupráce je vymedziť špecifické úlohy riešené na jednotlivých pracoviskách, dohodnúť spoločné využitie dostupných zdrojov a zariadení a spolupráca pri riešení možných technických problémov.

Názov univerzity/vysokej školy a fakulty: Montanuniversitaet Leoben, Rakúsko

Oblasť spolupráce: experimentálne

Sídlo spoločného pracoviska (ak je vytvorené):

Začiatok spolupráce: 2011

Zhodnotenie: V rámci spolupráce sú vykonávané mikroštruktúrne analýzy vzoriek širšej triedy materiálov pomocou sofistikovaných metód elektrónovej mikroskopie (Cs korigovaná HRTEM a HRSTEM spojená s chemickou analýzou).

Názov univerzity/vysokej školy a fakulty: Prírodovedecká fakulta UK

Oblasť spolupráce: Katedra inžinierskej geológie

Sídlo spoločného pracoviska (ak je vytvorené):

Začiatok spolupráce: 2011

Zhodnotenie: Monitorovanie teplotno-vlhkostného režimu v tufovom masíve múzea sakálnych obydlí v Brhlovciach.

Názov univerzity/vysokej školy a fakulty: Slovenská technická univerzita v Bratislave

Oblasť spolupráce: Experimentálne a teoretické

Sídlo spoločného pracoviska (ak je vytvorené):

Začiatok spolupráce: 2010

Zhodnotenie: Spolupráca s Katedrou fyziky na FEI a Katedrou stavebnej fyziky na SF je v oblasti merania termofyzikálnych parametrov stavebných materiálov. Odborným zameraním sa kolektívy navzájom dopĺňajú a tým zabezpečujú požadovanú úroveň spolupráce.

Názov univerzity/vysokej školy a fakulty: Slovenská technická univerzita v Bratislave

Oblasť spolupráce: Ústav jadrového a fyzikálneho inžinierstva

Sídlo spoločného pracoviska (ak je vytvorené):

Začiatok spolupráce: 2011

Zhodnotenie: spolupráca pri odvodzovaní a testovaní modelov pre prechodové metódy na meranie termofyzikálnych vlastností látok

Pozn.: uvádzajte len tie spolupráce, na ktoré má organizácia zmluvu resp. memorandum o zriadení spoločného pracoviska, resp. o vzájomnej spolupráci v konkrétnej oblasti výskumu

6.1.2. Spoločné pracoviská s inými organizáciami SAV

Pozn.: uvádzajte len tie spolupráce, na ktoré má organizácia zmluvu resp. memorandum o zriadení spoločného pracoviska, resp. o vzájomnej spolupráci v konkrétnej oblasti výskumu

6.2. Spoločné pracoviská organizácie s inými inštitúciami mimo SAV a VŠ

Pozn.: uvádzajte len tie spolupráce, na ktoré má organizácia zmluvu resp. memorandum o zriadení spoločného pracoviska, resp. o vzájomnej spolupráci v konkrétnej oblasti výskumu

6.3. Spoločné projekty s univerzitami a ostatnými inštitúciami mimo SAV

Názov projektu: Monitorovanie teplotno- vlhkostného režimu veže katedrále sv. Martina v Bratislave

Agentúra:

číslo projektu:

Spolupracujúce inštitúcie: Arcibiskupský úrad, Bratislava

Koordinátor projektu:

Začiatok spolupráce: 2011

Zhodnotenie: Pripravujú sa spoločné projekty s Pamiatkovým úradom ktoré zabezpečia finančný efekt pre FÚ a zároveň umožnia nadviazať užšie kontakty s organizáciami zaoberajúcimi sa ochranou pamiatok a majiteľmi pamiatkových objektov. (kontakt FÚ: J. Hudec)

Názov projektu: Laboratórne merania termofyzikálnych vlastností hornín

Agentúra:

číslo projektu:

Spolupracujúce inštitúcie: Geologische Bundesanstalt Wien v spolupráci so Štátnym geologickým ústavom Dionýza Štúra

Koordinátor projektu:

Začiatok spolupráce: 2017

Zhodnotenie: Merania v rámci zákazky. Projekt má priniesť poznatky pre budovanie obnoviteľných zdrojov energie v zemskom podloží spôsobom plytkých geotermálnych vrtov. Štatisticky budú zmapované oblasti v strednej Európe.

Názov projektu: Monitorovanie teplotno-vlhkostného režimu pilierov kostola sv. Jakuba v Levoči

Agentúra:

číslo projektu:

Spolupracujúce inštitúcie: Katedra inžinierskej geológie, Univerzita Komenského, Bratislava

Koordinátor projektu:

Začiatok spolupráce: 2012

Zhodnotenie:

Názov projektu: Monitorovanie tuhnutia betónových zmesí

Agentúra:

číslo projektu:

Spolupracujúce inštitúcie: Technický a skúšobný ústav stavebný, n.o. Bratislava

Koordinátor projektu:

Začiatok spolupráce: 2010

Zhodnotenie: Pripravujú sa spoločné projekty ktoré zabezpečia finančný efekt pre FÚ a zároveň umožnia nadviazať užšie kontakty so stavebnými organizáciami. (kontakt FÚ: J. Hudec)

Názov projektu: Laboratórne merania termofyzikálnych vlastností hliníkovej peny.

Agentúra:

číslo projektu:

Spolupracujúce inštitúcie: Ústav materiálov a mechaniky strojov, SAV

Koordinátor projektu:

Začiatok spolupráce: 2017

Zhodnotenie: Podaný APVV projekt. Merania boli vykonané za účelom predbežne zhodnotiť prínos termofyzikálnych meraní pre spôsob aplikácie hliníkovej peny vyplnenej PCM pre možnosti uskladnenia teplenej energie.

Pozn.: uviesť konkrétne spoločné aj bilaterálne projekty na základe platnej zmluvy o spolupráci

6.4. Iné typy spoločných aktivít s inštitúciami mimo SAV

TU Zvolen, Drevárska fakulta, Meranie tepelných vlastností smrekového dreva, bol podaný spoločný projekt KVEGA 2021-2023.

7. Aplikácia výsledkov výskumu v spoločenskej a hospodárskej praxi

7.1. Výsledky výskumu organizácie aplikované v praxi

7.2. Kontraktový – zmluvný výskum (vrátane zahraničných kontraktov)

7.3. Iné formy aplikácie výsledkov výskumu v spoločenskej a hospodárskej praxi

V rámci spolupráce s Technickou univerzitou vo Zvolene, Drevárskou fakultou sme merali tepelné vlastnosti dosiek smrekového dreva. Výsledky budú publikované. Merania sú začiatkom spolupráce pre ďalšie merania kompozitných materiálov na báze dreva, polymérov a rôznych drevených komponentov. Bol podaný spoločný projekt VEGA "Výskum vybraných vlastností trvalo udržateľných izolačných materiálov s potenciálom využitia v drevostavbách."

8. Aktivity pre Národnú radu SR, vládu SR, ústredné orgány štátnej správy SR a iné organizácie

8.1. Členstvo v poradných zboroch vlády SR, Národnej rady SR, ministerstiev SR, orgánoch EÚ, EP, NATO a pod.

Tabuľka 8a Členstvo v poradných zboroch Národnej rady SR, vlády SR, ministerstiev SR, orgánoch EÚ, EP, NATO a pod.

Meno pracovníka	Názov orgánu	Funkcia
Doc. RNDr. Emil Běták, DrSc.	Pracovná skupina pre fyziku Akreditačnej komisie	člen
RNDr. Stanislav Dubnička, DrSc.	Vláda SR	Splnomocnený zástupca vlády SR v SÚJV Dubna
Mgr. Andrej Herzán, PhD.	European Committee for Future Accelerators (ECFA) Early-Career Researcher (ECR) Panel, ECFA-ECR	člen
RNDr. Stanislav Hlaváč, CSc.	Rada Úradu jadrového dozoru SR	člen rady
RNDr. Dušan Janičkovič	Národná podporná štruktúra pre Horizont 2020	Národný kontaktný bod pre Horizont 2020: Nanotechnológie, pokročilé materiály, výrobné procesy a postupy a biotechnológie
	Národná podporná štruktúra pre Horizont 2020	Národný expert pre Horizont 2020: Nanotechnológie, pokročilé materiály, výrobné procesy a postupy a biotechnológie
	Programový výbor pre Nanotechnológie, pokročilé materiály, biotechnológia, pokročilé výrobné procesy programu Horizon 2020	Delegát Programového výboru za SR
prof. Ing. Štefan Luby, DrSc.	Programový výbor Horizont 2020 téma Bezpečné spoločnosti	člen za SR
	Tieňový programový výbor Horizont Europe, Civilná bezpečnosť pre spoločnosť	reprezentant SR
RNDr. Eva Majková, DrSc.	Komisia pre návrh štátnych vyznamení	člen
	pracovná skupina pre hodnotenie OP VaI	člen
	Monitorovací výbor Operačného programu Výskum a inovácie	člen
	Stála komisia Rady vlády pre vedu, techniku a inovácie	člen
Mgr. Martin Venhart, PhD.	Výbor pre spoluprácu SR s CERN	tajomník výboru, koordinátor experimentov mimo LHC a teoretikov

8.2. Expertízna činnosť a iné služby pre štátnu správu a samosprávy

8.3. Členstvo v radách štátnych programov a podprogramov ŠPVV a ŠO

Tabuľka 8b Členstvo v radách štátnych programov a podprogramov ŠPVV a ŠO

Meno pracovníka	Názov orgánu	Funkcia
------------------------	---------------------	----------------

8.4. Prehľad aktuálnych spoločenských problémov, ktoré riešilo pracovisko v spolupráci s Kanceláriou prezidenta SR, s vládnyimi a parlamentnými orgánmi alebo pre ich potrebu

9. Vedecko-organizačné a popularizačné aktivity

9.1. Vedecko-popularizačná činnosť

Tabuľka 9a Súhrnné počty vedecko-popularizačných činností organizácie SAV

Typ	Počet	Typ	Počet	Typ	Počet
prednášky/besedy	7	tlač	2	TV	2
rozhlas	5	internet	9	exkurzie	0
publikácie	0	multimediálne nosiče	0	dokumentárne filmy	0
iné	4				

9.2. Vedecko-organizačná činnosť

Tabuľka 9b Vedecko-organizačná činnosť

Názov podujatia	Domáca/ medzinárodná	Miesto	Dátum konania	Počet účastníkov
Informal quantum symposium (IQUAS) 2020	medzinárodná	Smolenice, Slovensko	24.08.-28.08.2020	30
Solid State Surfaces and Interfaces 2020	medzinárodná	Zámok Smolenice, Slovensko	23.11.-26.11.2020	40

9.3. Účasť na výstavách

9.4. Účasť v programových a organizačných výboroch národných konferencií

Tabuľka 9c Programové a organizačné výbory národných konferencií

Meno pracovníka	Programový	Organizačný	Programový i organizačný
Spolu			

9.5. Členstvo v redakčných radách časopisov

Ing. Vlastimil Boháč, CSc.

International Journal of Engineering and Allied Sciences (IJEAS) (funkcia: Editorial Board Member)

Prof. RNDr. Vladimír Bužek, DrSc.

European Physical Journal D (funkcia: editor)
Journal of Modern Optics (funkcia: člen redakčnej rady)

RNDr. Stanislav Dubnička, DrSc.

MEDICUS (funkcia: člen red. rady)

Mgr. Andrej Gendiar, PhD.

Acta Physica Slovaca (funkcia: výkonný redaktor)

Ing. Ján Kliman, DrSc.

Problems of Atomic Science and Technology, Series: Nuclear and Reactor Constants (funkcia: Člen redakčnej rady)

Ing. Štefan Lányi, DrSc.

Československý časopis pro fyziku (funkcia: člen RR)

prof. Ing. Štefan Luby, DrSc.

Contemporary Materials (funkcia: člen red. rady)

Obzory matematiky, fyziky a informatiky (funkcia: Člen red. rady)

Doc. RNDr. Martin Plesch, PhD.

IYPT Magazine (funkcia: člen Advisory Board)

Nature Scientific Reports (funkcia: člen Editorial board)

prof. Ing. Ivan Štich, DrSc.

Acta Physica Slovaca (funkcia: editorial board)

Ing. Peter Švec, DrSc.

Journal of Materials Science and Technology (funkcia: člen redakčnej rady)

PAR - Pomriary-Automatyka-Robotyka (funkcia: člen programového výboru)

Mgr. Martin Veselský, PhD.

Nuclear Science and Techniques (funkcia: člen redakčnej rady)

9.6. Činnosť v domácich vedeckých spoločnostiach

Mgr. Erik Bartoš, PhD.

Slovenská fyzikálna spoločnosť (funkcia: člen)

Doc. RNDr. Emil Běták, DrSc.

Jednota slov. matematikov a fyzikov (funkcia: člen)

RNDr. Juraj Boháčik, CSc.

Slovenská fyzikálna spoločnosť (funkcia: hospodár)

RNDr. Pavol Butvin, CSc.

Slovenská fyzikálna spoločnosť (funkcia: člen)

Slovenská magnetická spoločnosť pri SVTS (funkcia: člen)

RNDr. Beata Butvinová, CSc.

Slovenská fyzikálna spoločnosť (funkcia: člen)

Slovenská magnetická spoločnosť pri SVTS (funkcia: člen)

RNDr. Stanislav Dubnička, DrSc.

Slovenská fyzikálna spoločnosť (funkcia: člen)

Mgr. Andrej Gendiar, PhD.

Slovenská fyzikálna spoločnosť (funkcia: člen)

Ing. Štefan Gmuca, CSc.

Slovenská fyzikálna spoločnosť (funkcia: podpredseda)

RNDr. Katarína Gmucová, CSc.

Slovenská fyzikálna spoločnosť (funkcia: člen)

Mgr. Andrej Herzán, PhD.

Slovenská fyzikálna spoločnosť (funkcia: člen)

Ing. Matej Jergel, DrSc.

Jednota slovenských matematikov a fyzikov (funkcia: člen)

Slovenská fyzikálna spoločnosť (funkcia: člen)

Učená spoločnosť Slovenska (funkcia: člen)

RNDr. Pavol Kalinay, CSc.

Slovenská fyzikálna spoločnosť (funkcia: člen)

RNDr. Marián Krajčí, DrSc.

Slovenská fyzikálna spoločnosť (funkcia: člen)

Ing. Štefan Lányi, DrSc.

Slovenská fyzikálna spoločnosť (funkcia: predseda revíznej komisie)

Doc. RNDr. Martin Plesch, PhD.

Odborná komisia Turnaja mladých fyzikov (funkcia: podpredseda)

RNDr. Daniel Reitzner, PhD.

Club of Individualities, Intenda Foundation (funkcia: Member)

prof. Ing. Ivan Štich, DrSc.

Učená spoločnosť SAV (funkcia: riadny člen)

Ing. Peter Švec, DrSc.

Učená spoločnosť SAV (funkcia: riadny člen)

Mgr. Martin Venhart, PhD.

Slovenská fyzikálna spoločnosť (funkcia: člen)

9.7. Iné dôležité informácie o vedecko-organizačných a popularizačných aktivitách

V rámci podujatia Týždeň vedy a techniky na Slovensku, 9. — 15. 11. 2020 FÚ SAV zorganizoval vlastný „(Týž)Deň otvorených dverí na FÚ SAV 2020“ určený širokej verejnosti, ale hlavne študentom stredných a vysokých škôl. Pretože sa DOD odohrával v online priestore, formou krátkych upútaviek boli verejnosti ponúknuté vybrané témy prednášok. Podujatia sa zúčastnili žiaci 5 stredných škôl z Bratislavy, Prešova, Trenčína a Trnavy. Ďakujeme všetkým za návštevu. Záznamy prednášok si môžete pozrieť na našom [Youtube kanáli](#)

- Cyril Adamuščín: „Elementárny, elementárnejší, najelementárnejší“
- Andrej Liptaj: „Fyzika hudby“
- Daniel Nagaj: „Fyzika informácie“
- Martin Plesch: „Ako veci fungujú“
- Martin Venhart: „Periodická sústava prvkov“

Pracovníci FÚ SAV sa zúčastnili **27. 11. 2020** na Európskej Noci výskumníkov 2020 kde napr. v online štúdiu oboznámili verejnosť s príchodom Doby Kvantovej (M. Ziman).

Počas prvého celoplošného lockdownu si kolegovia C. Adamuščín, M. Plesch, M. Venhart pripravili vzdelávacie videá pre žiakov na dištančnom vzdelávaní, videá sú prístupné na Youtube kanáli [SAV vzdeláva žiakov - FYZIKA](#).

10. Činnosť knižnično-informačného pracoviska

10.1. Knižničný fond

Tabuľka 10a Knižničný fond

Knižničné jednotky spolu		
z toho	knihy a zviazané periodiká	9592
	audiovizuálne dokumenty	
	elektronické dokumenty (vrátane digitálnych)	
	mikroformy	
	iné špeciálne dokumenty - dizertácie, výskumné správy	
	Rukopisy, vzácne tlače	
Počet titulov dochádzajúcich periodík		21
z toho zahraničné periodiká		20
Ročný prírastok knižničných jednotiek		16
v tom	kúpou	16
	darom	
	výmenou	
	bezodplatným prevodom	
	náhradou	
Úbytky knižničných jednotiek		
Knižničné jednotky spracované automatizovane		1372

Výraz „**v tom**“ označuje úplné (vyčerpávajúce) údaje, ktorých súčet sa musí rovnať údaju v riadku „spolu“, čiže nadradenému riadku.

Výraz „**z toho**“ označuje neúplné (výberové) údaje, ktorých súčet sa nemusí rovnať údaju v riadku „spolu“.

10.2. Výpožičky a služby

Tabuľka 10b Výpožičky a služby

Výpožičky spolu (riadok 1)		403
v tom z r. 1	prezenčné výpožičky	331
	absenčné výpožičky	
v tom z r. 1	odborná literatúra pre dospelých	
	výpožičky periodík	72
MVS iným knižniciam		5
MVS z iných knižníc		
MMVS iným knižniciam		
MMVS z iných knižníc		
Počet vypracovaných bibliografií		

Počet vypracovaných rešerší	2
-----------------------------	---

10.3. Používatelia

Tabuľka 10c Používatelia

Registrovaní používatelia	100
Návštevníci knižnice spolu (bez návštevníkov podujatí)	103

10.4. Iné údaje

Tabuľka 10d Iné údaje

On-line katalóg knižnice na internete (1=áno, 0=nie)	1
Náklady na nákup knižničného fondu v €	190,02

10.5. Iné informácie o knižničnej činnosti

Elektronický katalóg Knižnice FÚ SAV je zabezpečený formou open source systému PhpMyBibli. Knižničný systém slúži na katalogizáciu knižničných jednotiek a evidenciu užívateľov Knižnice. Katalóg je prístupný na webovej adrese <http://kniznica.fu.sav.sk>.

11. Aktivity v orgánoch SAV

11.1. Členstvo vo Výbore Snemu SAV

RNDr. Katarína Gmucová, CSc.

- členka
- predsedníčka I. komory

11.2. Členstvo v Predsedníctve SAV a vo Vedeckej rade SAV

Mgr. Martin Venhart, PhD.

- Člen Predsedníctva SAV
- Člen Vedeckej rady SAV

11.3. Členstvo vo vedeckých kolégiách SAV

11.4. Členstvo v komisiách SAV

Mgr. Andrej Gendiar, PhD.

- Edičná rada SAV (člen)

RNDr. Katarína Gmucová, CSc.

- Akreditačná komisia SAV (členka)
- Komisia pre transformáciu SAV (členka)
- Legislatívna komisia SAV (členka)
- Škodová komisia SAV (členka)

Ing. Matej Jergel, DrSc.

- Komisia SAV pre vyhodnocovanie medzinárodných projektov (člen)

prof. Ing. Štefan Luby, DrSc.

- Rada garantov Encyklopédie Beliana (člen)

Ing. Peter Švec, DrSc.

- Komisia SAV pre rovnosť príležitostí (člen)

Mgr. Martin Venhart, PhD.

- Komisia pre hodnotenie grantov doktorandov SAV (podpredseda)
- Komisia SAV pre komunikáciu a médiá (Člen komisie)
- Komisia SAV pre rovnosť príležitostí (Člen komisie)

- Komisia SAV pre spoluprácu s vedeckými spoločnosťami (Člen komisie)
- Rada SAV pre program Otvorená akadémia (Predseda)

11.5. Členstvo v orgánoch VEGA

Ing. Ján Ivančo, DrSc.

- Komisia č.5 pre elektrotechniku, automatizáciu a riadiace systémy a príbuzné odbory informačných a komunikačných technológií (člen)

Ing. Matej Jergel, DrSc.

- Komisia č.7 pre strojárstvo a príbuzné odbory informačných a komunikačných technológií a materiálové inžinierstvo (člen)

Mgr. Martin Veselský, PhD.

- Komisia č. 1 pre matematické vedy, počítačové a informatické vedy a fyzikálne vedy (člen)

12. Hospodárenie organizácie

12.1. Výdavky organizácie

Tabuľka 12a Výdavky organizácie (skutočnosť k 31. 12. 2020 v €)

Typ organizácie (PO)		Zdroje, z ktorých sa kryli jednotlivé výdavky			
Výdavky	Spolu	kapitola SAV (111)	iné štátne a verejné zdroje	ostatné zdroje	% krytia z kapitoly SAV
1. Bežné výdavky	3171533.57	2549496.74	457367.04	164969.79	80.38
z toho: mzdy (610)	1675950.32	1489074.46	125158.30	61717.56	88.85
vedecká výchova štipendiá (640)	229701.05	204445.05	20324.00	4932.00	89.00
poistné a príspevok do poisťovni (620)	566502.77	505108.07	41726.54	19668.16	89.16
tovary a služby (630)	613604.80	348569.16	191608.20	73427.40	56.81
transfery partnerom projektov (640)	85774.63	2000.00	78550.00	5224.63	2.33
2. Kapitálové výdavky	109147.20	32306.00	0	76841.20	29.60
z toho: obstarávanie kapitálových aktív	109147.20	32306.00	0	76841.20	29.60
kapitálové transfery	0	0	0	0	0

12.2. Zdroje financovania organizácie

Tabuľka 12b Zdroje financovania organizácie (skutočnosť k 31. 12. 2020 v €)

Typ organizácie (PO)		Z toho kategórie			
Zdroje	Spolu	Kapitálové zdroje	zdroje na mzdy (610)	zdroje na odvody do poisťovni (620)	zdroje na transfery partnerom projektov
1. kapitola SAV (111)	2581502.74	32306	1489076.46	505108.07	2000
z toho: VEGA	146000	16000	0	0	0
MVTS výskumné projekty	64630	16306	0	0	0
MVTS podpora	10299	0	0	0	0
SASPRO/MOREPRO	16645.5	0	9000	3145.5	0
Vydávanie časopisov	2779.04	0	0	0	0
Vedeká výchova (štipendiá)	204445.05	0	0	0	0
OTAS (630)	153845.7	0	0	0	0

2. ŠF EÚ vr. fin. zo ŠR	15749.19	0	11068.75	2147.54	0
3. medzinárodné grantové projekty	0	0	0	0	0
z toho: H2020	0	0	0	0	0
4. iné štátne a verejné zdroje (spolu)	457367.04	0	125158.3	41726.54	78550
z toho: APVV	435626.75	0	112929.55	39184.95	78550
podpora z kapitoly MŠVVaŠ SR (stimuly)	29527.47	0	16000	5227.47	0
5. ostatné zdroje	164969.79	0	61717.56	19668.16	0
z toho: príjmy z prenájmu	17963.6	0	0	0	0
príjmy z podnikateľskej činnosti	0	0	0	0	0
príjmy z expertnej činnosti a služieb	0	0	0	0	0

13. Nadácie a fondy pri organizácii SAV

14. Iné významné činnosti organizácie SAV

15. Vyznamenania, ocenenia a ceny udelené pracovníkom organizácie v roku 2020

15.1. Domáce ocenenia

15.1.1. Ocenenia SAV

Bodík Michal, Hagara Jakub, Halahovets Yuriy, Jergel Matej, Majková Eva, Mrkývková Nad'a, Nádaždy Peter, Šiffalovič Peter, Tokár Kamil

Publikácie zaradené do databázy Nature Index

Oceňovateľ: P SAV

Opis: za publikáciu: „Diindenoperylene thin-film structure on MoS2 monolayer“

Sedlák Michal, Ziman Mário

Publikácie zaradené do databázy Nature Index

Oceňovateľ: P SAV

Opis: za publikáciu: „Optimal probabilistic storage and retrieval of unitary channels“

15.1.2. Iné domáce ocenenia

Gmucová Katarína

Medaila SFS

Oceňovateľ: Slovenská fyzikálna spoločnosť

Opis: medaila

Luby Štefan

Národná cena V. Zamarovského za prínos k literatúre faktu

Oceňovateľ: Spolok slovenských spisovateľov, Klub spisovateľov literatúry faktu

Opis: Plastika, diplom

Luby Štefan

Strieborná medaila

Oceňovateľ: Spoločnosť M. R. Štefánika

Opis: Medaila, diplom

15.2. Medzinárodné ocenenia

16. Poskytovanie informácií v súlade so zákonom č. 211/2000 Z. z. o slobodnom prístupe k informáciám v znení neskorších predpisov (Zákon o slobode informácií)

17. Problémy a podnety pre činnosť SAV

- Pripraviť hladký prechod na transformáciu v.v.i.
- Samotná mzdová reforma by si vyžadovala zjednodušenie a spojenie s nápočtom celkového rozpočtu pre organizácie a to ešte pred prechodom na v.v.i.

Správu o činnosti organizácie SAV spracoval(i):

Mgr. Erik Bartoš, PhD., 02/ 59410 kl. 512

Schválila vedecká rada organizácie SAV dňa 21.1.2021

Riaditeľ organizácie SAV

Predseda vedeckej rady

.....
Doc. Mgr. Mário Ziman, PhD.

.....
Ing. Štefan Gmuca, CSc.

Prílohy

Príloha A

Zoznam zamestnancov a doktorandov organizácie k 31.12.2020

Zoznam zamestnancov podľa štruktúry

	Meno s titulmi	Úväzok (v %)	Ročný prepočítaný úväzok
Vedúci vedeckí pracovníci DrSc.			
1.	Doc. RNDr. Emil Běták, DrSc.	70	0.70
2.	Prof. RNDr. Vladimír Bužek, DrSc.	100	1.00
3.	RNDr. Stanislav Dubnička, DrSc.	75	0.75
4.	Prof.RNDr. Miroslav Grajcar, DrSc.	25	0.25
5.	Ing. Ján Ivančo, DrSc.	100	1.00
6.	Ing. Matej Jergel, DrSc.	100	1.00
7.	Ing. Ján Kliman, DrSc.	70	0.70
8.	RNDr. Marián Krajčí, DrSc.	100	1.00
9.	Ing. Štefan Lányi, DrSc.	35	0.35
10.	prof. Ing. Štefan Luby, DrSc.	100	1.00
11.	RNDr. Eva Majková, DrSc.	50	0.50
12.	RNDr. Miroslav Nagy, DrSc.	70	0.61
13.	RNDr. Ladislav Šamaj, DrSc.	100	1.00
14.	prof. Ing. Ivan Štich, DrSc.	100	1.00
15.	Ing. Peter Švec, DrSc.	100	1.00
Vedúci vedeckí pracovníci CSc., PhD.			
1.	Mgr. Andrej Gendiar, PhD.	100	1.28
2.	RNDr. Stanislav Hlaváč, CSc.	100	1.00
Samostatní vedeckí pracovníci			
1.	Mgr. Cyril Adamuščín, PhD.	100	1.00
2.	Mgr. Erik Bartoš, PhD.	100	1.00
3.	Ing. Vlastimil Boháč, CSc.	100	1.00
4.	RNDr. Juraj Boháčík, CSc.	30	0.30
5.	Mgr. Ján Brndiar, PhD.	100	0.52
6.	RNDr. Beata Butvinová, CSc.	100	1.00
7.	Mgr. Peter Filip, PhD.	100	0.00
8.	Mgr. Seyed Arash Ghoreishi, PhD.	100	0.25
9.	Ing. Štefan Gmuca, CSc.	100	1.00
10.	RNDr. Katarína Gmucová, CSc.	100	1.00

11.	Mgr. Andrej Herzán, PhD.	100	1.00
12.	RNDr. Pavol Kalinay, CSc.	100	1.00
13.	Mgr. Roman Krčmár, PhD.	100	1.00
14.	Dr.Rer.Nat. Ing. Mgr. Andrej Liptaj, PhD.	100	1.00
15.	RNDr. Lubomir Martinovič, CSc.	100	0.37
16.	RNDr. Igor Maťko, CSc.	100	1.00
17.	Ing. Vladislav Matoušek, CSc.	100	1.00
18.	RNDr. Marek Mihalkovič, CSc.	100	1.00
19.	Mgr. Chiranjib Mukhopadhyay, PhD.	100	0.21
20.	Ing. Vojtech Nádaždy, CSc.	100	1.00
21.	Mgr. Daniel Nagaj, PhD.	100	1.00
22.	Mgr. Pavol Neilinger, PhD.	25	0.25
23.	RNDr. Emil Pinčík, CSc.	100	1.00
24.	RNDr. Matej Pivoluska, PhD.	90	0.90
25.	Doc. RNDr. Martin Plesch, PhD.	100	1.00
26.	Mgr. Ashutosh Rai, PhD.	100	0.32
27.	RNDr. Daniel Reitzner, PhD.	70	0.70
28.	RNDr. Anton Repko, PhD.	100	0.33
29.	Mgr. Michal Sedlák, PhD.	100	1.00
30.	Ing. Mgr. Peter Staňo, PhD.	25	0.25
31.	RNDr. Ondrej Šauša, CSc.	100	1.00
32.	Dr. Rer. Nat. Peter Šiffalovič, PhD.	70	0.70
33.	Ing Peter Švec Jr., PhD.	100	1.00
34.	Ing. Igor Travěnek, CSc.	100	1.00
35.	RNDr. Robert Turanský, PhD.	100	1.00
36.	Mgr. Martin Venhart, PhD.	90	0.90
37.	Ing. Viliam Vretenár, PhD.	50	0.50
38.	Doc. Mgr. Mário Ziman, PhD.	100	1.00

Vedeckí pracovníci

1.	Mgr. Adriana Annušová, PhD.	100	1.00
2.	Mgr. Michal Bodík, PhD.	20	0.06
3.	RNDr. Róbert Brunner, CSc.	100	1.00
4.	Mgr. Libor Caha, PhD.	30	0.10
5.	Mgr. Katarína Čechová, PhD.	10	0.10
6.	Ing. Yuriy Halahovets, PhD.	100	1.00
7.	RNDr. Monika Hofbauerová, PhD.	50	0.21

8.	Ing. Ján Hudec, PhD.	34	0.34
9.	Ing. Irena Janotová, PhD.	100	0.00
10.	Ing. Anna Kálosi, PhD.	5	0.68
11.	Mgr. Jozef Klimo, PhD.	100	0.00
12.	Ing. Pavol Konopka, PhD.	100	1.00
13.	Ing. Mário Kotlár, PhD.	10	0.10
14.	Mgr. Martina Miklošovičová, PhD.	15	0.35
15.	Mgr. Mohammed Hamed Mohammady, PhD.	100	1.00
16.	RNDr. Nad'a Mrkývková, PhD.	70	0.70
17.	Mgr. Peter Nádaždy, PhD.	50	0.21
18.	Mgr. Rai, PhD.	0	0.00
19.	Mgr. Peter Rapčan, PhD.	100	1.28
20.	Ing. Jaroslav Rusnák, PhD.	100	1.26
21.	Dr. Sheikh Sazim, PhD.	100	1.00
22.	Ing. Matúš Sedlák, PhD.	100	1.00
23.	Mgr. Ján Škoviera, PhD.	100	1.00
24.	Ing. Vladimír Štofánik, PhD.	25	0.25
25.	Dr. Sourbh Thakur, PhD.	100	1.00
26.	RNDr. Kamil Tokár, PhD.	50	0.50
27.	Mgr. Karol Végső, PhD.	90	0.90
28.	Dr. Sebastian Vielhauer, PhD.	100	0.96

Odborní pracovníci s VŠ vzdelaním (výskumní a vývojoví zamestnanci)

1.	Mgr. Alica Brunová	5	0.05
2.	Mgr. Muhammad Faraz Ud Din	5	0.04
3.	Ing. Alen Fos	5	0.05
4.	Mgr. Jakub Hagara	5	0.03
5.	Mgr. Vladimír Held	5	0.05
6.	RNDr. Dušan Janičkovič	100	1.00
7.	Mgr. Gulnur Kantay	5	0.05
8.	Mgr. Ivan Klbik	5	0.02
9.	Mgr. Jakub Krajňák	5	0.03
10.	Mgr. Denisa Lampášová	5	0.02
11.	Mgr. Jaroslav Pavličko	5	0.05
12.	Mgr. Eva Pospíšilová	5	0.05
13.	Mgr. Farnoush Salehtash	5	0.05
14.	Ing. Rudolf Senderák, Piešťany	30	0.30

15.	MSc. Ashin Shaji	5	0.05
16.	Mgr. Nidhin Sudarsanan	5	0.05
17.	Mgr. Andrej Špaček	5	0.05
18.	Mgr. Rupali Tiwari	5	0.05
19.	Mgr. Nana Yenamandala	5	0.05

Odborní pracovníci s VŠ vzdelaním (ostatní zamestnanci)

1.	Ing. Daniel Gogola, PhD.	30	0.28
2.	Mgr. Ursula Juhássová	55	0.00
3.	Ing. Mária Jusková	35	0.35
4.	Ing. Lenka Kabátová	50	0.00
5.	Ing. Jana Kováčová	100	1.00
6.	Ing. Bc. Mária Lindorová	20	0.15
7.	Ing. Beata Solčianska	100	1.00
8.	Mgr. Mária Surovcová, PhD.	100	1.00
9.	Mgr. Angelika Winczerová	100	1.00

Odborní pracovníci ÚSV

1.	Silvia Bačová	100	1.00
2.	Marta Bubničová	100	1.00
3.	Michal Halász	100	1.00
4.	Emília Hoffmannová	100	1.00
5.	Jana Koláriková	100	1.00
6.	Marian Markovič	100	1.00
7.	Ivan Sabo	60	0.60
8.	Oľga Švančarová	70	0.70
9.	Zita Vaňovičová	75	0.75
10.	Rebeca Voleková	50	0.50
11.	Jana Zvončeková	100	1.00

Zoznam zamestnancov, ktorí odišli v priebehu roka

	Meno s titulmi	Dátum odchodu	Ročný prepočítaný úväzok
Vedeckí pracovníci			
1.	Mgr. Libor Caha, PhD.	31.12.2020	0.10
2.	Mgr. Dušan Kamas, PhD.	31.8.2020	0.00
3.	Mgr. Riyas Subair, PhD.	26.8.2020	0.03
4.	Mgr. Róbert Urban, PhD.	17.9.2020	0.46
Odborní pracovníci s VŠ vzdelaním (výskumní a vývojoví zamestnanci)			

1.	Mgr. Matúš Balogh	31.8.2020	0.03
2.	Mgr. Mirdit Doda	31.8.2020	0.03
3.	Mgr. Shivang Srivastava	31.8.2020	0.03
Odborní pracovníci ÚSV			
1.	Štefan Lučanský, dielňa	15.1.2020	0.04
2.	Gustáv Pomšár, Ved. dielňa, technik	15.1.2020	0.04
3.	Peter Zitto	31.1.2020	0.04

Zoznam doktorandov

	Meno s titulmi	Škola/fakulta	Študijný program
Interní doktorandi hrazení z prostředkov SAV			
1.	Mgr. Israt Ali	Fakulta matematiky, fyziky a informatiky UK	4.1.4 kvantová elektronika a optika
2.	Mgr. Muhammad Adeel Ashraf	Fakulta matematiky, fyziky a informatiky UK	4.1.4 kvantová elektronika a optika
3.	Mgr. Alica Brunová	Fakulta matematiky, fyziky a informatiky UK	4.1.4 kvantová elektronika a optika
4.	Mgr. Alejandro Contreras Reynoso	Fakulta matematiky, fyziky a informatiky UK	4.1.2 všeobecná fyzika a matematická fyzika
5.	Mgr. Muhammad Faraz Ud Din	Fakulta elektrotechniky a informatiky STU	5.2.48 fyzikálne inžinierstvo
6.	Ing. Alen Fos	Fakulta elektrotechniky a informatiky STU	5.2.48 fyzikálne inžinierstvo
7.	Mgr. Jakub Hagara	Fakulta matematiky, fyziky a informatiky UK	4.1.4 kvantová elektronika a optika
8.	Mgr. Vladimír Held	Fakulta matematiky, fyziky a informatiky UK	4.1.4 kvantová elektronika a optika
9.	Mgr. Gulnur Kantay	Fakulta matematiky, fyziky a informatiky UK	4.1.5 jadrová a subjadrová fyzika
10.	Mgr. Ivan Klbik	Fakulta matematiky, fyziky a informatiky UK	4.1.3 fyzika kondenzovaných látok a akustika
11.	Mgr. Jakub Krajňák	Fakulta matematiky, fyziky a informatiky UK	4.1.5 jadrová a subjadrová fyzika
12.	Mgr. Denisa Lampášová	Fakulta matematiky, fyziky a informatiky UK	4.1.2 všeobecná fyzika a matematická fyzika
13.	Mgr. Jaroslav Pavličko	Fakulta matematiky, fyziky a informatiky UK	4.1.2 všeobecná fyzika a matematická fyzika
14.	Mgr. Eva Pospíšilová	Fakulta matematiky, fyziky a informatiky UK	4.1.2 všeobecná fyzika a matematická fyzika
15.	Mgr. Farnoush Salehtash	Fakulta matematiky, fyziky a informatiky UK	4.1.4 kvantová elektronika a optika
16.	MSc. Ashin Shaji	Fakulta matematiky, fyziky a informatiky UK	4.1.4 kvantová elektronika a optika
17.	MSc. Nidhin Sudarsanan	Fakulta matematiky, fyziky a informatiky UK	4.1.2 všeobecná fyzika a matematická fyzika
18.	Mgr. Andrej Špaček	Fakulta matematiky, fyziky a informatiky UK	4.1.5 jadrová a subjadrová fyzika

19.	Mgr. Rupali Tiwari	Fakulta elektrotechniky a informatiky STU	5.2.48 fyzikálne inžinierstvo
20.	MSc. Nana Yenamandala	Fakulta matematiky, fyziky a informatiky UK	4.1.2 všeobecná fyzika a matematická fyzika
21.	Mgr. Hatef Yousefi Mashhour	Fakulta matematiky, fyziky a informatiky UK	4.1.4 kvantová elektronika a optika
Interní doktorandi hrazení z iných zdrojov			
1.	Mgr. Matúš Balogh	Fakulta matematiky, fyziky a informatiky UK	4.1.5 jadrová a subjadrová fyzika
2.	Mgr. Raman Choudhary	Fakulta matematiky, fyziky a informatiky UK	4.1.2 všeobecná fyzika a matematická fyzika
3.	Mgr. Shima Sousani	Fakulta matematiky, fyziky a informatiky UK	4.1.4 kvantová elektronika a optika
Externí doktorandi			
<i>organizácia nemá externých doktorandov</i>			

Zoznam zamestnancov prijatých do jedného roka od získania PhD.

	Meno s titulmi	Dátum obhajoby	Dátum prijatia	Úväzok (v %)
--	-----------------------	-----------------------	-----------------------	---------------------

Zoznam emeritných vedeckých zamestnancov

	Meno s titulmi
1.	RNDr. Mária Hartmanová, DrSc.
2.	RNDr. Emília Illeková, DrSc.
3.	Ing. Ľudovít Kubičár, DrSc.
4.	Prof., RNDr. Eva Majerníková, DrSc.
5.	RNDr. Peter Mrafko, CSc.
6.	RNDr. Anton Šurda, CSc.

Príloha B

Projekty riešené v organizácii

Medzinárodné projekty

Programy: Medzivládna dohoda

1.) Grant vládneho splnomocnenca — SÚJV (JINR)

Zodpovedný riešiteľ: Emil Běták
Trvanie projektu: 1.1.2019 / 31.12.2023
Evidenčné číslo projektu: 01-3-1135-2019/2023
Organizácia je koordinátorom projektu: nie
Koordinátor: Fyzikálny ústav SAV
Počet spoluriešiteľských inštitúcií: 1 - Rusko: 1
Čerpané financie: SÚJV: 5253 €

Dosiahnuté výsledky:

2.) Cieľový projekt — Theoretical study of heavy and exotic hadrons properties in the framework of a relativistic quark model (*Theoretical study of heavy and exotic hadrons properties in the framework of a relativistic quark model*)

Zodpovedný riešiteľ: Stanislav Dubnička
Trvanie projektu: 1.7.2017 / 31.12.2023
Evidenčné číslo projektu: 01-3-1135-2019/2023
Organizácia je koordinátorom projektu: nie
Koordinátor: Spojený ústav jadrových výskumov v Dubne
Počet spoluriešiteľských inštitúcií: 1 - Rusko: 1
Čerpané financie: SÚJV: 26270 €

Dosiahnuté výsledky:

Prehodnotili sme existujúce výsledky pre exotické stavy XYZ a ich rozpady získané v rámci kovariantného kvarkového modelu so zabudovaným uväznením kvarkov. Tento dynamický prístup je založený na nelokálnom lagranžiáne interakcie hadrónov s kvarkami, je vhodný na popis rôznych multikvarkových stavov. Našu analýzu sme zamerali hlavne na rozpadové režimy piatich exotických stavov. Uzávery o povahe týchto stavov favorizujú molekulovú štruktúru pre stavy $Z_c(3900)$, $Z_b(10610)$ a $Z_b'(10650)$, a tetrakvarkovú štruktúru pre stavy $X(3872)$ a $Y(4260)$.

3.) Cieľový projekt — Investigation of relativistic nuclear interactions at the NUCLOTRON/NICA accelerator complex (*Investigation of relativistic nuclear interactions at the NUCLOTRON/NICA accelerator complex*)

Zodpovedný riešiteľ: Štefan Gmuca
Trvanie projektu: 1.9.2009 / 31.12.2020
Evidenčné číslo projektu: 02-1-1087-2009/2020
Organizácia je nie

koordinátorom projektu:

Koordinátor: Spojený ústav jadrových výskumov v Dubne
Počet spoluriešiteľských inštitúcií: 1 - Rusko: 1
Čerpané financie: SÚJV: 26270 €

Dosiahnuté výsledky:

V rámci témy 02-1-1087-2009/2020 sme ďalej pokračovali v mapovaní nelokálnej výmennej časti interakcie Dirac-Hartree-Fock prístupu pre hustú jadrovú hmotu. Bola získaná nová tvarová funkcia pre nelineárne selfinterakčné členy. Započali sme tiež so zahrnutím chirálnej symetrie. Tento prístup má výhodu v zmenšenom počte efektívnych parametrov teórie. Súčasne, keďže parametre závisia na Fermiho hybnosti a nie na hustote matérie, tento prístup eliminuje vplyv preusporiadania (rearrangement term), ktoré komplikuje iteračný selfkonzistentný proces.

Kvôli pretrvávajúcej pandemickej situácii po väčšinu tohto roka, ktorá silne obmedzila dostup k experimentálnym zariadeniam, sa nepodarilo ukončiť deponovanie všetkých plánovaných vzoriek novoaplikovanou metódou HIVIPP. Tento zámer sa posúva do nasledujúceho obdobia.

Vyvíjaný dirakovský funkcionál hustoty bude v nadchádzajúcom období aplikovaný na problematiku eta-jadier, viazaného exotického systému eta-mezónu a atómového jadra.

4.) Grant vládneho splnomocnenca — Investigation of relativistic nuclear interactions at the NUCLOTRON/NICA accelerator complex (*Investigation of relativistic nuclear interactions at the NUCLOTRON/NICA accelerator complex*)

Zodpovedný riešiteľ: Štefan Gmuca
Trvanie projektu: 1.1.2009 / 31.12.2020
Evidenčné číslo projektu: 02-1-1087-2009/2020
Organizácia je koordinátorom projektu: nie
Koordinátor: Spojený ústav jadrových výskumov v Dubne
Počet spoluriešiteľských inštitúcií: 1 - Rusko: 1
Čerpané financie: SÚJV: 7005 €

Dosiahnuté výsledky:

5.) Cieľový projekt — Research on Relativistic Heavy and Light Ion Physics (*Research on Relativistic Heavy and Light Ion Physics*)

Zodpovedný riešiteľ: Ján Kliman
Trvanie projektu: 1.1.2009 / 31.12.2021
Evidenčné číslo projektu: 03-5-1130-2017/2021
Organizácia je koordinátorom projektu: nie
Koordinátor: Spojený ústav jadrových výskumov v Dubne
Počet spoluriešiteľských inštitúcií: 1 - Rusko: 1
Čerpané financie: SÚJV: 26270 €

Dosiahnuté výsledky:

6.) Grant vládneho splnomocnenca — Synthesis and Properties of Superheavy Elements, Structure of Nuclei and Limits of Nuclear Stability (*Synthesis and Properties of Superheavy Elements, Structure of Nuclei and Limits of Nuclear Stability*)

Zodpovedný riešiteľ: Ján Kliman
Trvanie projektu: 1.1.2017 / 31.12.2021
Evidenčné číslo projektu: 03-5-1130-2017/2021
Organizácia je nie
koordinátorom projektu:
Koordinátor: Spojený ústav jadrových výskumov v Dubne
Počet spoluriešiteľských 1 - Rusko: 1
inštitúcií:
Čerpané financie: SÚJV: 7880 €

Dosiahnuté výsledky:

7.) Grant vládneho splnomocnenca — SÚJV

Zodpovedný riešiteľ: Vladislav Matoušek
Trvanie projektu: 1.1.2020 / 31.12.2020
Evidenčné číslo projektu: 02-1-1087-2009/2020
Organizácia je nie
koordinátorom projektu:
Koordinátor: Spojený ústav jadrových výskumov v Dubne
Počet spoluriešiteľských 1 - Rusko: 1
inštitúcií:
Čerpané financie: SÚJV: 7005 €

Dosiahnuté výsledky:

Projekt je venovaný problematike hľadania a štúdia exotických eta-mezónových jadier v pA a dA zrážkach vo VBLHEP JINR pomocou detekčného zariadenia SCAN-3. Hybridný magnetický spektrometer SCAN-3 je určený na detekciu nabitých a neutrálnych častíc produkovaných v stanici vnútorných terčov na Nuklotróne. Keďže urýchľovač Nuclotron bol v tomto roku v rekonštrukcii, boli použité kalibračné zdroje ako zdroje žiarenia. Hlavným cieľom v tomto období bolo overiť správnú funkčnosť vyvinutej zberovej časti a implementovanie nových požiadaviek na komunikáciu s klientskými programami, bežiacimi na vzdialených počítačoch. Vzhľadom k zvýšeným požiadavkám na odolnosť systému a signalizáciu počas pohybu terčov vo zväzku bol upgradovaný UPS zdroj a riadiaci program.

Získané dáta z testovacej prevádzky nám umožnili určiť hlavné parametre celej zberovej časti a poslúžili ako základné dáta pre pripravovaný článok do časopisu NIM. Ďalej sme pokračovali vo vývoji metód spracovania nameraných spektier, získaných priamou digitalizáciou pulzov z detektorov SKAN III. Boli zdokonalené vyvinuté metódy odstraňovania pozadia, energetickej kalibrácie spektier, fitovania a dekonvolúcie viacrozmerných dát. Vyvinuté algoritmy boli upravené na možnosť spracovania viacrozmerných spektier pre nerovnaké rozlíšenie jednotlivých detektorov, keďže sa ukázala potreba použitia rôznych typov detektorov. Do riadiaceho programu bola pridaná aj možnosť snímania dát z digitálneho pikoampérmetra na snímanie prúdu zväzku z terčov v priestore stanice vnútorných terčov. Pokračovali sme aj v integrácii vyvinutého systému do prostredia ROOT.

Programy: COST

8.) Lapané ióny: Rozvoj klasických a kvantových aplikácií (*Trapped ions: Progress in classical and quantum applications*)

Zodpovedný riešiteľ: Vladimír Bužek
Trvanie projektu: 19.12.2019 / 17.9.2022
Evidenčné číslo projektu: CA 17113
Organizácia je koordinátorom projektu: nie
Koordinátor: Stockholms Universitet
Počet spoluriešiteľských inštitúcií: 11 - Rakúsko: 1, Česko: 1, Nemecko: 1, Dánsko: 1, Fínsko: 1, Francúzsko: 2, Veľká Británia: 1, Holandsko: 1, Nórsko: 1, Poľsko: 1
Čerpané financie: -
Podpora medzinárodnej spolupráce z národných zdrojov: 3727 €

Dosiahnuté výsledky:

Situácia nedovolila uskutočniť plánované stretnutia, ale online spolupráca na spoločných vedeckých témach v oblasti teoretickej kvantovej optiky pokračovala. Konkrétne sme skúmali kvantové kódovacie schémy (PQC) v prípade multifotónových zdrojov.

9.) Multifunkcionálne nanokarbónové kompozitné materiály (*Multi-Functional Nano-Carbon Composite Materials Network*)

Zodpovedný riešiteľ: Peter Šiffalovič
Trvanie projektu: 1.9.2016 / 31.8.2020
Evidenčné číslo projektu: CA15107
Organizácia je koordinátorom projektu: nie
Koordinátor: Karlsruhe Institute of Technology Institute of Nanotechnology
Počet spoluriešiteľských inštitúcií: 1 - Nemecko: 1
Čerpané financie: -
Podpora medzinárodnej spolupráce z národných zdrojov: 1147 €

Dosiahnuté výsledky:

10.) Kvantové technológie vo vesmíre (*Quantum Technologies in Space*)

Zodpovedný riešiteľ: Mário Ziman
Trvanie projektu: 1.10.2016 / 1.10.2020
Evidenčné číslo projektu: CA 15220
Organizácia je koordinátorom projektu: áno
Koordinátor: Fyzikálny ústav SAV
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: -
Podpora medzinárodnej spolupráce z národných zdrojov: 573 €

Dosiahnuté výsledky:

Projekt sa úspešne ukončil v prvých mesiacoch roka 2020. Boli naplánované ďalšie pokračovania a v priebehu roka podané projekty.

Programy: CERN/MŠ

11.) CERN - ISOLDE (CERN - ISOLDE)

Zodpovedný riešiteľ: Martin Veselský
Trvanie projektu: 1.1.2009 / 31.12.2020
Evidenčné číslo projektu: CERN - ISOLDE
Organizácia je koordinátorom projektu: áno
Koordinátor: Fyzikálny ústav SAV
Počet spoluriešiteľských inštitúcií: 2 - Švajčiarsko: 1, Slovensko: 1
Čerpané financie: -

Dosiahnuté výsledky:

Programy: Multilaterálne - iné

12.) Bezolovnaté perovskitové solárne články s dlhodobou stabilitou (Pb-free Perovskite solar cells with Long-term stability)

Zodpovedný riešiteľ: Mária Omastová
Zodpovedný riešiteľ v organizácii SAV: Eva Majková
Trvanie projektu: 1.11.2017 / 31.10.2020
Evidenčné číslo projektu: V4-Kórea Joint Reseach Program on Chemistry and Chemical Engineering
Organizácia je koordinátorom projektu: nie
Koordinátor: Soo Young Kim, Chung Ang University, Seoul
Počet spoluriešiteľských inštitúcií: 11 - Česko: 3, Maďarsko: 4, Kórejská republika: 2, Poľsko: 2
Čerpané financie: -
Podpora medzinárodnej spolupráce z národných zdrojov: 10416 €

Dosiahnuté výsledky:

V rámci projektu sa FU zamerlal na výskum inovatívnej nábojovej transportnej vrstvy pre elektróny (ETL) na báze SnO₂ nanočastíc ako náhradu TiO₂ vrstiev, ktorých príprava vyžaduje vyššie teploty a je technologicky náročnejšia. Pripravili sa štruktúry priamych perovskitových solárnych článkov PSC (ITO/SnO₂/MAPI/spiro-MEOTAD/Au), s SnO₂ vrstvou ako ETL s účinnosťou konverzie 15 %. Jeden z cieľov projektu bola náhrada nábojovej transportnej vrstvy pre diery (HTL) spiro-OMeTAD, ktorá je extrémne drahá a je limitujúcim faktorom širokej aplikácie PSC. Poľskí partneri syntetizovali v rámci projektu nový materiál bTAThDaz, ktorý má potenciál byť vhodnou nábojovou transportnou vrstvou HTL. V rámci projektu FU preskúmal elektrónovú štruktúru bTAThDaz v okolí zakázaného pásma metódou energeticky rozlíšenej elektrochemickej impedančnej spektroskopie ER EIS. Z výsledkov je možné pohľadu detailov elektrónovej štruktúry vyvíjaný materiál má potenciál nahradiť spiro-OMeTAD. Štruktúra bTAThDaz bola potvrdená

prítomnosťou amínu (C-N pri -285,6 eV) a imínu (C = N pri -287,4 eV). Absorpčné vlastnosti v UV-Vis rozsahu bTAThDaz sú takmer totožné s vlastnosťami spiro-OMeTADu, ktorý je síce často používaný pre prípravu PSC, ale veľmi drahý. Okrem toho je skúmaný imín stabilný v atmosfére argónu a vzduchu a vykazuje 5 % úbytku hmotnosti pri 156 °C. Pripravené PSC s imínom ako HTM vykazovali PCE = 14,4 % [3]. Navrhnutá a syntetizovaná zlúčenina bTAThDaz sa javí ako sľubný materiál na použitie ako vodivá organická vrstva v perovskitovom solárnom článku, na zlepšenie účinnosti, sú však potrebné ďalšie úpravy vrátane napríklad dopovania imínu, aby sa zvýšili transportné vlastnosti skúmanej zlúčeniny.

13.) Rozvoj učenia založeného na bádani pomocou IYPT (*Development of Inquiry Based Learning via IYPT*)

Zodpovedný riešiteľ: Martin Plesch
Trvanie projektu: 1.11.2019 / 30.6.2022
Evidenčné číslo projektu: 2019-1-SK01-KA201-060798
Organizácia je koordinátorom projektu: áno
Koordinátor: Fyzikálny ústav SAV
Počet spoluriešiteľských inštitúcií: 7 - Rakúsko: 2, Bulharsko: 1, Česko: 1, Maďarsko: 1, Slovensko: 1, Slovinsko: 1
Čerpané financie: Erasmus+: 4036 €
 Podpora medzinárodnej spolupráce z národných zdrojov: 3440 €

Dosiahnuté výsledky:

Priebeh projektu výrazne poznačila pandemická situácia. Bol však dokončený prvý intelektuálny výstup, ktorý sa nachádza na stránke dibali.sav.sk a dokončujú sa preklady do jazykov partnerov. Prebehli dve online projektové stretnutia a jedno online multiplikačné podujatie.

14.) Quantum Information Structure of Spacetime (*Quantum Information Structure of Spacetime*)

Zodpovedný riešiteľ: Mário Ziman
Trvanie projektu: 1.12.2019 / 31.8.2022
Evidenčné číslo projektu: JTF-61466
Organizácia je koordinátorom projektu: nie
Koordinátor: Université d'Aix-Marseille, Center for Theoretical Physics
Počet spoluriešiteľských inštitúcií: 11 - Rakúsko: 1, Belgicko: 1, Kanada: 2, Veľká Británia: 1, Hongkong: 1, Taliansko: 1, Mexiko: 1, Poľsko: 1, USA: 2
Čerpané financie: John Templeton Foundations: 15269 €
 Podpora medzinárodnej spolupráce z národných zdrojov: 3727 €

Dosiahnuté výsledky:

V prvom roku riešenia projektu sme sa zamerali na výskum ukladania časového vývoja (dynamiky) do stavov (kinematiky) kvantových systémov. Výsledky boli publikované. Pochopenie tohoto pohľadu môže mať dopad na koncept času v kvantovej fyzike. ďalej sme uvažovali dve rozdielne sekvencie nekonečne veľkých AdS hyperbolických geometrií v 1D zakrivenom mriežkových povrchoch. Použitím vyvinutej TPVF metódy sme preskúmali fázové prechody a súvis s "Area laws". Výsledky boli tiež publikované.

Programy: ERANET

15.) Superinductor-based Quantum Technologies with Ultrastrong Couplings (*Superinductor-based Quantum Technologies with Ultrastrong Couplings*)

Zodpovedný riešiteľ: Miroslav Grajcar
Trvanie projektu: 1.4.2020 / 31.12.2022
Evidenčné číslo projektu:
Organizácia je koordinátorom projektu: nie
Koordinátor: Barcelona Supercomputing Center
Počet spoluriešiteľských inštitúcií: 4 - Nemecko: 2, Francúzsko: 1, Taliansko: 1
Čerpané financie: -
Podpora medzinárodnej spolupráce z národných zdrojov: 6945 €

Dosiahnuté výsledky:

Z dôvodu pandemickej situácie bol projekt pozastavený od 1.februára do 31.augusta. Na projekte začali od septembra pracovať dvaja noví doktorandi. Dokončujeme publikáciu o charakterizácii vodivosti v neusporiadaných materiáloch NbN a MoC relevantných pre úlohu T2.1. Okrem toho sme pracovali na teoretickom modelovaní mikrovlnného fotodetektora. Zaslali sme do Phys. Rev. Appl. (arXiv:2009.12249) článok "A numerical extrapolation method for complex conductivity of disordered metals". Supravodivý metamateriál môžeme popísať Isingovým modelom. Numerické simulácie susceptibility a entropie ukazujú tendencie k existencii fázového prechodu v metamateriáli, ale táto hypotéza bude ešte overená simuláciami systému 100 kvantových bitov.

16.) Z vesmíru do laboratória: vývoj nového typu permanentných magnetov na báze fázy L10-FeNi (*From the Cosmos to the Lab: Development of the L10-FeNi Phase as a Disruptive Permanent Magnet Alternative*)

Zodpovedný riešiteľ: Peter Švec
Trvanie projektu: 1.10.2020 / 30.9.2023
Evidenčné číslo projektu: nepridelené
Organizácia je koordinátorom projektu: nie
Koordinátor: IMDEA Nanociencia, Madrid
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: P SAV: 6250 €

Dosiahnuté výsledky:

Súbor expertíz od návrhu cez prípravu, technológiu spracovania a mikroštruktúrnú analýzu sme využili v pozvanej prednáške na konferencii SSSI 11, kde sme prezentovali prvé detailné výsledky o štruktúre a vlastnostiach rýchlochladených systémov najmä na báze Fe-Sn-B, Al-Mn a Bi-Mn. Nanokryštalický stav a s ním korelované výborné magneticky mäkké vlastnosti Fe-Sn-B sa dosahovali pomocou konvenčného ale najmä rýchleho žihania (pozvaná prednáška a abstrakt v Extended Abstracts Book, Proc. Conf. SSSI 11) a pozorovalo sa vysoké presýtenie nanokryštalickej fázy bcc-Fe(Sn) cínom. Získané atomárne rozlíšené chemické mapy budú v ďalšom korelované s nominálnym chemickým zložením, spôsobom spracovania a výslednými fyzikálnymi, najmä magnetickými, vlastnosťami. Magneticky tvrdý material v systémoch Al-Mn a Bi-Mn sa podarilo dosiahnuť vhodným tepelným spracovaním podľa nerovnovážneho fázového diagramu a v niektorých prípadoch využitím techniky prípravy dvojvrstiev s turbulentým miešaním vrstvy Al-Mn s magneticky mäkkým Fe-Co-Si-B na dosiahnutie výmennej interakcie vedúcej k zvýšeniu magnetizácie v nasýtení a následne aj energetického súčinu BH_{max}.

V spolupráci s partnermi sme spravili aj prvé analýzy porovnávajúce vznik usporiadania bcc a fcc pri kryštalizácii amorfneho Fe-Ni-Nb-B ako východiskovej štúdie na stanovenie vzniku fázy Fe-Ni s usporiadaním L10.

17.) Vysokorozmerná kvantová fotonická platforma (*High dimensional quantum Photonic Platform*)

Zodpovedný riešiteľ: Mário Ziman
Trvanie projektu: 1.4.2018 / 30.3.2021
Evidenčné číslo projektu:
Organizácia je koordinátorom projektu: nie
Koordinátor: Centre National de la Recherche Scientifique
Počet spoluriešiteľských inštitúcií: 4 - Rakúsko: 1, Francúzsko: 1, Veľká Británia: 1, Taliansko: 1
Čerpané financie: -
Podpora medzinárodnej spolupráce z národných zdrojov: 25000 €

Dosiahnuté výsledky:

Publikovali sme výsledok o optimálnom "učení" fázy a relevantných matematických výsledkoch z grupovej kombinatoriky. Okrem toho sme sa venovali analýze šumu a zložitosti kvantových numerických metód, najmä kvantovému Monte-Carlo.

Programy: Horizont 2020

18.) Výrobky z rias získané pomocou nových magnetických kultivačných a extrakčných techník (*Valuable Products from Algae Using New Magnetic Cultivation and Extraction Techniques*)

Zodpovedný riešiteľ: Peter Švec
Trvanie projektu: 1.4.2017 / 31.3.2020
Evidenčné číslo projektu: 745695
Organizácia je koordinátorom projektu: nie
Koordinátor: National Technical University of Athens
Počet spoluriešiteľských inštitúcií: 12 - Rakúsko: 3, Belgicko: 1, Cyprus: 1, Španielsko: 1, Francúzsko: 1, Veľká Británia: 2, Grécko: 1, Taliansko: 2
Čerpané financie: -
Podpora medzinárodnej spolupráce z národných zdrojov: 1204 €

Dosiahnuté výsledky:

Počas posledného pracovného stretnutia riešiteľov projektu sme na pracovisko partnera - firmy NomaSico spoločne finalizovali vyvinutú inštaláciu magnetického reaktora na kultiváciu vzoriek s obsahom Fe₃O₄ a spustili jeho pilotnú prevádzku.

Na stretnutí sme prediskutovali doterajšie aktivity a ich výsledky, plnenie plánu, potenciálne predĺženie projektu o cca 5 mesiacov a prípravu záverečnej správy projektu. Výsledky boli prezentované konzorciom na konferencii Bioket (03/2020, online).

Programy: JRP

19.) Nové magneticky mäkké jadrá pre satelitné zariadenia a magnetometre pracujúce v kozmických podmienkach (*Novel soft magnetic cores tailored for use in space qualified magnetometers and satellite devices*)

Zodpovedný riešiteľ: Ivan Škorvánek
Zodpovedný riešiteľ v organizácii SAV: Peter Švec
Trvanie projektu: 1.9.2018 / 31.8.2021
Evidenčné číslo projektu:
Organizácia je koordinátorom projektu: nie
Koordinátor: Ústav experimentálnej fyziky SAV
Počet spoluriešiteľských inštitúcií: 1 - Turecko: 1
Čerpané financie: -
Podpora medzinárodnej spolupráce z národných zdrojov: 12500 €

Dosiahnuté výsledky:

V spolupráci s ÚEF SAV a UME TUBITAK sme študovali vplyv kompozičného zloženia jadier magnetických senzorov typu fluxgate na stabilitu ich senzorových a šumových charakteristík voči zmenám okolitej teploty. Hlavná pozornosť bola orientovaná na teplotný interval od -50°C do 85°C, ktorý zodpovedá typickým operačným teplotám nízko- alebo strednoorbitových geostacionárnych satelitov. Konkrétne šlo o magneticky mäkké jadrá vyrobené z komerčnej nanokryštalickej zliatiny VITROVAC (Vaccumschmelze GmbH Hanau), z komerčnej kryštalickej zliatiny SUPERMALLOY a z nami vyrobenej nanokryštalickej zliatiny „home-made FINEMET“. Ukázali sme, že veľký vplyv na senzorové charakteristiky má aj výber vhodného tepelného spracovania študovaných jadier. Najlepšia stabilita senzorových charakteristík bola pozorovaná pre jadrá z nanokryštalickej „home-made FINEMET“ zliatiny žihanej pri teplote 550°C. Výsledná zmena citlivosti fluxgate senzora vyrobeného z tejto zliatiny bola v intervale od -50°C do 85°C menšia ako 0.8%. Získané výsledky ukázali, že nanokryštalicke zliatiny typu FINEMET s vysokými hodnotami Curieho teploty majú sľubný aplikačný potenciál pre konštrukciu magnetometrov schopných pracovať v kozmických podmienkach (IEEE Sensors Journal). Na zariadení pre rýchle ochladenie taveniny vyvinuté u tureckého partnera sme pripravili prvé testovacie vzorky na báze Fe-Co-Mo-B-Cu, vypracovali sme metodiku tepelného spracovania na riadenie štruktúry a magnetických vlastností v nanokryštalickej stave (J. Non-Cryst. Solids). Na dvojvrstvovom systéme na báze Finemet/Co-Si-B pripravenom vo FÚ SAV sme metódou FORC preskúmali magnetické interakcie. Ukázali sme, že pri niektorých spôsoboch spracovania vzniká v systéme v oblasti Co-Si-B magneticky polotvrdá vrstva, ktorá pri vhodnom spôsobe magnetovania vykazuje remanenciu vytvárajúcu vhodné podmienky pre využitie dvojvrstvy ako jadra snímačov magnetického poľa (Acta Phys. Polonica). Prítomnosť Sn v magneticky mäkkom systéme Fe/Co-Sn-B sme výhodne využili pre štúdium hyperjemných interakcií v amorfnom a nanokryštalickej stave, najmä určenia usporiadania atómov Fe a Co na krátku vzdialenosť v prítomnosti presýtenia atómami Sn a rozdelenia vnútorného magnetického poľa (JMMM).

Domáce projekty

Programy: VEGA

1.) Teoretický výskum hyperónov a ťažkých exotických mezónov (*Theoretical investigation of*

Zodpovedný riešiteľ: Erik Bartoš
Trvanie projektu: 1.1.2017 / 31.12.2020
Evidenčné číslo projektu: 2/0153/17
Organizácia je koordinátorom projektu: áno
Koordinátor: Fyzikálny ústav SAV
Počet spoluriešiteľských inštitúcií: 1 - Slovensko: 1
Čerpané financie: VEGA SAV: 8659 €

Dosiahnuté výsledky:

Využitím nového prístupu vyhodnotenia hadrónového príspevku v prvom ráde k miónovej g-2 anomálii cez predpovedanie hadrónového vkladu $\Delta\alpha_{\text{had}}^{(5)}(t)$ k bežiackej väzbovej konštante QED $\alpha(t)$ v priestoropodobnej oblasti sme navrhli ako dosiahnuť lepšie vyhodnotenie celkovej miónovej anomálie v rámci Štandardného modelu.

Aplikáciou omega-phi zmiešavania priamo na elektromagnetické prúdy vektorov mezónov omega a phi a porovnaním získaných výsledkov s elektromagnetickým prúdom Kroll–Lee–Zumino identifikovaného lineárnou kombináciou renormalizovaných rho, omega a phi polí, boli špecifikované znamienka všetkých väzbových konštánt f_{ρ} , f_{ω} a f_{ϕ} .

Prehodnotili sme existujúce výsledky pre exotické stavy XYZ a ich rozpady získané v rámci kovariantného kvarkového modelu so zabudovaným uväznením kvarkov.

Výsledky boli publikované v 2 CC časopisoch a 2 príspevkoch v konferenčnom zborníku.

2.) Výskum optických a morfológických vlastností nerovných a poréznych povrchov p-typu kryštallického kremíka s cieľom jednoznačne dokázať za akých podmienok pozorujeme jav kvantového uväznenia v kremíkových nanokryštáloch

Zodpovedný riešiteľ: Róbert Brunner
Trvanie projektu: 1.1.2020 / 31.12.2023
Evidenčné číslo projektu: 2/0071/20
Organizácia je koordinátorom projektu: áno
Koordinátor: Fyzikálny ústav SAV
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: VEGA SAV: 1832 €

Dosiahnuté výsledky:

3.) Vzťahy medzi elektrónovou štruktúrou a mikroštruktúrou tenkých kopolymérnych vrstiev
(Relations between electronic structure and microstructure of copolymer thin films)

Zodpovedný riešiteľ: Katarína Gmucová
Trvanie projektu: 1.1.2017 / 31.12.2020
Evidenčné číslo projektu: 2/0163/17
Organizácia je koordinátorom projektu: áno
Koordinátor: Fyzikálny ústav SAV
Počet spoluriešiteľských inštitúcií: 0

inštitúcií:

Čerpané financie: VEGA SAV: 3907 €

Dosiahnuté výsledky:

Molekulárna stereoštruktúra bola identifikovaná ako rozhodujúci parameter, ktorý môže pomôcť riadiť organizáciu molekúl v aktívnych vrstvách organických fotonických zariadení. Porovnali sme experimentálne a teoretické výsledky získané na tenkých filmoch homopolyméru PFO a kopolymérov F8BT a PFO-DBT s rôznymi stereoizomérmi, ktoré sa líšia priestorovou orientáciou jednotlivých chemických jednotiek v komonoméri. Výsledky naznačili podstatnú koreláciu medzi priestorovou chemickou štruktúrou hlavného reťazca polyméru a jeho optoelektronickými vlastnosťami. Teoretické výsledky korelujú s kryštalinitou tenkého filmu analyzovanou metódou GIWAXS, ktorá ukázala zlé usporiadanie pri kopolyméroch so stereoizomérmi. V pripravovanom prehľadovom článku boli zdôraznené otázky ako pravidlá chemického návrhu chrbticových aj bočných reťazcov alternujúcich donor-akceptorových kopolymérov, korelácia medzi elektronickou štruktúrou a mikroštruktúrou tenkého filmu, metódy charakterizácie tenkého filmu a optimalizácia techník nanášania tenkého filmu.

4.) Kombinácia nanočastíc a esenciálnych olejov na zmiernenie biologického poškodenia rôznych typov stavebných materiálov (*Combination of nanoparticles and essential oils for mitigating the biodeterioration on various types of building materials*)

Zodpovedný riešiteľ: Monika Hofbauerová
Trvanie projektu: 1.1.2019 / 31.12.2021
Evidenčné číslo projektu: 2/0059/19
Organizácia je koordinátorom projektu: áno
Koordinátor: Fyzikálny ústav SAV
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: VEGA SAV: 10948 €

Dosiahnuté výsledky:

V súlade s harmonogramom projektu sme za druhý rok riešenia projektu skúmali antimikrobiálny efekt dvoch esenciálnych olejov (EOs), oregano a tymián samostatne a v kombinácii s polycaprolaktónovými nanokapsulami (NCs). Antimikrobiálny efekt bol sledovaný na dvoch druhoch stavebného materiálu: drevo a pieskovec. *Pleurotus eringii* (drevokazná huba) a *Purpureocillium* (huba vyskytujúca sa na kamenných povrchoch) boli použité na skúmanie antifungálneho účinku. Na sledovanie antibakteriálneho efektu sme použili dva druhy baktérii, *Pseudomonas vancouverensis* a *Flavobacterium* sp. Skúmali sme dva efekty, dezinfekcia povrchu a ochrana povrchu materiálu. Všetky pozorovania prebiehali v in vitro podmienkach. Zaznamenali sme výrazný antifungálny efekt EOs a EOs v kombinácii s NCs na povrchu pieskovca.

5.) Vrstvy trioxidu volfrámu pre chemirezistívne senzory stopových koncentrácií acetónu vo vzduchu (*Tungsten-trioxide layers for chemiresistive sensing of trace concentration of acetone vapours in air*)

Zodpovedný riešiteľ: Ján Ivančo
Trvanie projektu: 1.1.2020 / 31.12.2022
Evidenčné číslo projektu: 2/0156/20
Organizácia je koordinátorom projektu: áno
Koordinátor: Fyzikálny ústav SAV

Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: VEGA SAV: 6414 €

Dosiahnuté výsledky:

Aplikačný potenciál vrstiev trioxidu wolfrámu (WO_3) presahuje aj do oblasti tuholátkových senzorov stopových koncentrácií plynov a pár. Ide najmä o kryštalografickú fázu tzv. epsilon- WO_3 vyskytujúcu sa iba pri teplotách nižších ako RT. Dopovaním a nanoštruktúrovaním WO_3 je možné teplotu fázového prechodu zvýšiť nad RT. Keďže syntetizovaný WO_3 je typicky tvorený zmesou fáz, je potrebné detegovať prípadne kvantifikovať kryštalografické fázy v zmesnom WO_3 .

Boli pripravené nanočastice WO_3 dopované chrómom (ÚPo SAV). Nanočastice boli charakterizované pomocou Ramanovej spektroskopie, a to po žihaní v teplotnom rozsahu do 500 °C. Ramanove spektra s vysokým rozlíšením odhalili dubletovú štruktúru štandardných vibračných píkov pozorovaných pri cca 90 a 140 cm^{-1} . Predbežné výsledky naznačujú, že jednotlivé komponenty dubletov je možné považovať za indikátor (fingerprint) odpovedajúcej kryštalografickej fázy. To by umožnilo schodnejšiu metódu pre identifikáciu kryštalografických fáz (resp. ich zmesného pomeru vo WO_3) pomocou Ramanovej spektroskopie v porovnaní s RTG difrakciou. Dotovanie WO_3 chrómom stabilizovalo podiel nízkoteplotnej kryštalografickej fázy až do teploty cca 250°C.

Publikácie 1×ADCA, 1×AFB, 1×AFD.

6.) Pokročilé monochromátory s pridanou funkcionalitou úpravy zväzku pre röntgenovú metrológiu a röntgenové zobrazovanie (*Advanced monochromators with added functionality of the beam conditioning for X-ray metrology and X-ray imaging*)

Zodpovedný riešiteľ: Matej Jergel
Trvanie projektu: 1.1.2018 / 31.12.2020
Evidenčné číslo projektu: 2/0092/18
Organizácia je koordinátorom projektu: áno
Koordinátor: Fyzikálny ústav SAV
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: VEGA SAV: 15055 €

Dosiahnuté výsledky:

Študovali sme mechanizmus nanoobrábania povrchov rtg kryštálovej optiky pomocou analýzy triesky Ramanovou konfokálnou mikroskopiou, ktorá umožňuje zistiť ako prebieha úber materiálu. Zistili sme, že úber materiálu sa síce deje v plastickom režime vďaka vysokému tlaku rezného nástroja, ale väčšina amorfnej fázy je odnášaná v trieske. To vysvetľuje vysokú kvalitu rtg povrchov pripravených technikou nanoobrábania z hľadiska lokálnej drsnosti a kvality kryštálovej mriežky pod povrchom inak krehkého materiálu ako germánium. Tieto výsledky nám pomohli optimalizovať finalizáciu povrchov a aplikovať techniku nanoobrábania na prípravu Ge kanálikových rtg monochromátorov.

Od cieleného návrhu jednotlivých V-kanálikových rtg monochromátorov na základe dynamickej teórie rtg difrakcie a metódy "ray tracing" sme prešli k cielenému návrhu ich zostáv. Na základe toho sme navrhli principiálne nový štvorodrazový kanálikový rtg monochromátor so zvýšenou priepustnosťou oproti tradičnému Bartelsovmu monochromátoru používanému vo vysoko-rozlišovacej rtg difrakcii. Monochromátor sme pripravili novou technikou nanoobrábania a úspešne otestovali na epitaxných tenkých vrstvách.

Výsledky boli publikované v 9 CC článkoch.

7.) Difúzny transport v priestorovo ohraničených štruktúrach (*Diffusional transport in spatially confined structures*)

Zodpovedný riešiteľ: Pavol Kalinay
Trvanie projektu: 1.1.2018 / 31.12.2020
Evidenčné číslo projektu: 2/0008/18
Organizácia je koordinátorom projektu: áno
Koordinátor: Fyzikálny ústav SAV
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: VEGA SAV: 2132 €

Dosiahnuté výsledky:

Optimalizovali sme mapovanie advekčno-difúznej rovnice, popisujúcej difúziu častice unášanej Poiseuille-ovým tokom v trubici s premenným prierezom na pozdĺžnu koordinátu tak, aby boli splnené zákony zachovania a nestlačiteľnosť kvapaliny v každom ráde opráv. Ukázali sme, že efektívna sila unášania a difúzny koeficient vo Fick-Jacobsovej rovnici sú zviazané jednoduchým vzťahom a obe veličiny je možné systematicky počítať rekurentnou procedúrou do ľubovoľného rádu v parametri škálujúcom priečne dĺžky. Výsledky boli publikované vo Phys. Rev. E.

8.) Kritické vlastnosti neštandardných tenzorových sietí (*Critical properties of non-standard tensor networks*)

Zodpovedný riešiteľ: Roman Krčmár
Trvanie projektu: 1.1.2019 / 31.12.2021
Evidenčné číslo projektu: 2/0123/19
Organizácia je koordinátorom projektu: áno
Koordinátor: Fyzikálny ústav SAV
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: VEGA SAV: 7460 €

Dosiahnuté výsledky:

V roku 2020 boli v rámci projektu publikované štyri odborne publikácie. Na medzinarodnom workshope IQUAS 2020 sme prezentovali naše najnovšie výsledky. Venovali sme sa vylepšovaniu našich softwarových nástrojov.

9.) Mikroštruktúra a sorpčné vlastnosti uhlíkových vlákien pripravených karbonizáciou celulóзовých prekurzorov (*Microstructure and sorption properties of carbon fibers prepared by carbonization of cellulose precursors*)

Zodpovedný riešiteľ: Igor Matko
Trvanie projektu: 1.1.2017 / 31.12.2020
Evidenčné číslo projektu: 2/0127/17
Organizácia je koordinátorom projektu: áno
Koordinátor: Fyzikálny ústav SAV

Počet spoluriešiteľských inštitúcií: 2 - Slovensko: 2
Čerpané financie: VEGA SAV: 1420 €

Dosiahnuté výsledky:

Pokračovala širšia štúdia využitia uhlíkových vlákien pripravených karbonizáciou delignifikovanej celulózy ako nosiče čiastočiek aktívnej substancie. Štúdia sa zamerala na charakterizáciu kompozitov obsahujúcich čiastočky oxidu iných kovov, konkrétne horčík, hliník, titán a zinok. Skupina skúmaných materiálov bola rozšírená o ďalšie materiály s (čiastočne) kontrolovanou jemnou poróznou štruktúrou. Konkrétne sa jednalo o materiál pripravený karbonizáciou iných biologických tkanív a karbonizáciou špeciálne pripravenej sacharózy. Dosiahnuté výsledky boli publikované v dvoch CC publikáciách.

10.) Modifikácia rozhraní pre zlepšenie parametrov perovskitových solárnych článkov
(*Interface modifications for parameters improvement of perovskite solar cells*)

Zodpovedný riešiteľ: Vojtech Nádaždy
Trvanie projektu: 1.1.2018 / 31.12.2021
Evidenčné číslo projektu: 2/0081/18
Organizácia je koordinátorom projektu: áno
Koordinátor: Fyzikálny ústav SAV
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: VEGA SAV: 10026 €

Dosiahnuté výsledky:

V invertovanej planárnej štruktúre perovskitových článkov (PSC) sme organickú vrstvu PEDOT:PSS určenú na odvod dier nahradili inorganickou vrstvou NiOx. Táto náhrada so štruktúrou článku ITO/NiOx/MAPbI3/PCBM/Ag viedla k zvýšeniu účinnosti (PCE) na 15% a zníženiu degradácie parametrov s časom proti nášmu predchádzajúcemu invertovanému PSC. Vyšetrovali sme elektronické vlastnosti uhlíkových kvantových bodiek, MoS2 vločiek a nového organického materiálu bTAThDaz (4,4'-((1E,1'E)-((1,2,4-thiadiazole-3,5-diyl) bis(azaneylylidene)) bis(methaneylylidene)) bis(N,N-di-p-tolylaniline) vyvinutého na spolupracujúcom pracovisku v Poľsku. Fotovoltické vlastnosti bTAThDaz, ktorý je vhodný ako selektívna vrstva na odvod dier, sme otestovali v PSC so štruktúrou FTO/TiO2/perovskite/bTAThDaz/Ag. Pripravené PSC vykazovali účinnosť PCE=14.4 % s časovou stabilitou na vzduchu a malou hysterézou napäťovo-prúdovej závislosti. Pokračovali sme v rozvíjaní potenciálu našej metódy ER-EIS na charakterizáciu elektronických vlastností perovskitov a organických polymérov.

Výsledky boli publikované v 3 CC časopisoch.

11.) Aplikácia matematickej fyziky v rôzne škálovateľných systémoch (*Application of mathematical physics in various scalable systems*)

Zodpovedný riešiteľ: Richard Pinčák
Zodpovedný riešiteľ v organizácii SAV: Erik Bartoš

Trvanie projektu: 1.1.2019 / 31.12.2022
Evidenčné číslo projektu: 2/0009/19
Organizácia je koordinátorom projektu: nie
Koordinátor: Ústav experimentálnej fyziky SAV
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: 0

Dosiahnuté výsledky:

Využívajúc základné definície Chern-Simonsovho prúdu sme vypočítali jeho hodnoty pomocou kvantového strojového učenia, tzv. supersymetrického podporného Diracovho stroja. Súvisiaci superprúd sa generuje spojením troch stavov kvantového toku modifikovanej Wilsonovej slučky Cooperových párov. Pomocou Holo-Hilbertovo spektra vo frekvenčnej modulácii sme vizualizovali sieť ako spojenie siete konvolučných neurónov v superstatistickej teórii, kde sa uplatňuje teória supravodičov. Pomocou tohto prístupu je možné vypočítať počet atómov uhlíka v spinorovej sieti grafénovej červej diery. Superprúd Cooperových párov sa produkuje formou gravifotónových stavov pomocou Holo-Hilbertovej spektrálnej analýzy.
Dosiahnuté výsledky boli publikované v časopise Symmetry.

12.) Výskum pasivovaných štruktúr štandardného porézneho kremíka a čierneho kremíka

Zodpovedný riešiteľ: Emil Pinčík
Trvanie projektu: 1.1.2018 / 31.12.2020
Evidenčné číslo projektu: 2/0149/18
Organizácia je koordinátorom projektu: áno
Koordinátor: Fyzikálny ústav SAV
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: VEGA SAV: 1832 €

Dosiahnuté výsledky:

13.) Benchmark Kvantových počítačov prístupných cez Klaud (*Benchmarking Quantum computers on Cloud*)

Zodpovedný riešiteľ: Martin Plesch
Trvanie projektu: 1.1.2019 / 31.12.2022
Evidenčné číslo projektu: 2/0136/19
Organizácia je koordinátorom projektu: áno
Koordinátor: Fyzikálny ústav SAV
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: VEGA SAV: 6927 €

Dosiahnuté výsledky:

V rámci projektu boli publikované dva články a ďalších 5 zaslaných na publikovanie.

14.) Kvantové spracovanie informácie štruktúrami vyššieho rádu (*Higher order quantum*

information processing)

Zodpovedný riešiteľ: Michal Sedlák
Trvanie projektu: 1.1.2019 / 31.12.2021
Evidenčné číslo projektu: 2/0161/19
Organizácia je koordinátorom projektu: áno
Koordinátor: Fyzikálny ústav SAV
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: VEGA SAV: 22807 €

Dosiahnuté výsledky:

Štruktúry vyššieho rádu, ich matematický rámec and ich fyzikálne implikácie sú ústredným motívom výskumu projektu HOQIP. V druhom roku projektu sme študovali programovateľnosť štruktúr vyššieho rádu pre problém, kde qubitové rotácie okolo fixnej osi boli uložené a neskôr vyvolané z kvantovej pamäte. Určili sme dosiahnuteľné limity, ktoré takéto programovanie umožňuje a našli sme efektívne spôsoby ako ich dosiahnuť pomocou kvantových obvodov (Phys. Rev. A 102, 032618). Taktiež sme našli zlepšenia, ktoré sú dostupné vďaka nejednoznačnému kauzálnemu poradiu pri použití teleportačných kanálov, schému sme zovšeobecniť aj na viac ako dve superponované dráhy a zovšeobecniť sme cieľovú optimalizačnú funkciu pre tento kontext (J. Phys. Commun. 4, 105003). Článok o zlepšení klasickej komunikačnej kapacity pri použití depolarizačných kanálov v zobrazení zovšeobecňujúcom kvantový SWITCH bol pripravený a bude čoskoro zaslaný na recenziu do časopisu.

15.) Základný stav a nízkoteplotné vlastnosti klasických coulombovských systémov (*Ground state and low-temperature properties of classical Coulomb systems*)

Zodpovedný riešiteľ: Ladislav Šamaj
Trvanie projektu: 1.1.2018 / 31.12.2020
Evidenčné číslo projektu: 2/0003/18
Organizácia je koordinátorom projektu: áno
Koordinátor: Fyzikálny ústav SAV
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: VEGA SAV: 5329 €

Dosiahnuté výsledky:

V projekte sme sa zaoberali najmä rovnovážnou štatistickou mechanikou nízkorozmerných Coulombovských systémov. Problémy zahŕňali krátkodosahovú symetriu párovej korelačnej funkcie častíc 2D želé-modelu, odvodenie stavovej rovnice pre náboje s tuhým jadrom pohybujúce sa medzi rovnobežnými nabitými platňami a presné výsledky pre priťahovanie rovnako nabitých platin s opačne nabitými iónmi pohybujúcimi sa medzi nimi. Jedna publikácia sa týkala numerického vyhodnotenia neuniverzality 2D symetrického vertexovho modelu. Výsledky boli publikované v 4 článkoch.

16.) Fyzikálne vlastnosti vody uväznenej v mezopóroch a kryoprotektíva (*Physical properties of water confined in mesopores and cryoprotectants*)

Zodpovedný riešiteľ: Ondrej Šauša

Trvanie projektu: 1.1.2017 / 31.12.2020
Evidenčné číslo projektu: 2/0157/17
Organizácia je áno
koordinátorom projektu:
Koordinátor: Fyzikálny ústav SAV
Počet spoluriešiteľských 0
inštitúcií:
Čerpané financie: VEGA SAV: 2441 €

Dosiahnuté výsledky:

17.) Povrchy a 2D materiály (*Surfaces and 2D materials*)

Zodpovedný riešiteľ: Ivan Štich
Trvanie projektu: 1.1.2018 / 31.12.2020
Evidenčné číslo projektu: 2/0123/18
Organizácia je áno
koordinátorom projektu:
Koordinátor: Fyzikálny ústav SAV
Počet spoluriešiteľských 0
inštitúcií:
Čerpané financie: VEGA SAV: 12522 €

Dosiahnuté výsledky:

18.) Nanoštruktúra a vlastnosti komplexných kovových materiálov (*Atomically resolved structure and properties of complex metallic materials*)

Zodpovedný riešiteľ: Peter Švec
Trvanie projektu: 1.1.2017 / 31.12.2020
Evidenčné číslo projektu: VEGA 2/0082/17
Organizácia je áno
koordinátorom projektu:
Koordinátor: Fyzikálny ústav SAV
Počet spoluriešiteľských 0
inštitúcií:
Čerpané financie: VEGA SAV: 26199 €

Dosiahnuté výsledky:

Na základe údajov dostupných v databáze DFT a s využitím molekulovej dynamiky bola simulovaná štruktúra ikozaedrálného kvázikryštálu v systéme Al-Cu-Fe. Jeho model, pozostávajúci z 9846 atómov vykazuje plošne centrované ikozaedrálné usporiadanie. Podľa výpočtov, v študovanom systéme sa vyskytujú tri charakteristické typy klastrov: malý dvadsaťsten, PMI klaster a tau-PMI klaster. Bolo ukázané, že prekrývanie týchto klastrov, spolu s narušením ich symetrie, je možným mechanizmom generovania kváziperiodicity. Týmto mechanizmom generovaná kváziperiodická štruktúra bola posúdená ako stabilná v systéme Al-Cu-Fe, pri teplotách nad 600 K. (Phys. Rev. Res.).

Preskúmali sme vznik kvázikryštalickej fázy vo vrstve Sn hrubej až do 4 nm nanesej na i-Al-Pd-Mn. Na základe výsledkov z viacerých experimentálnych metód a výpočtov sme navrhli

kváziperiodický klatrátový štruktúrny model tejto vrstvy a ukázali sme, že Sn si udrží kvázikryštalinitu až do 4 nm, čo je doteraz najvyššia pozorovaná hodnota pre akýkoľvek prvok a proces jej formovania nadobúda charakter objemového rastu, kde už vplyv potenciálu substrátu je zanedbateľný. Výsledky naznačujú, že objemový kvázikryštalický Sn by mohol existovať v istých oblastiach svojho fázového diagramu (Phys. Rev. Res.).

Spomedzi nanokryštalických magnetík sme preskúmali intenzívne systém na báze Fe-Sn-B, stanovili sme jeho magnetické charakteristiky po ožiarení vysokoenergetickým zväzkom (Acta Phys. Pol.).

V systéme Fe-Al₂₀-(Ti, Nb) sme preskúmali vznik magnetických fáz, metódou Mossbauerovej spektroskopie doplnenou viacerými štruktúrno-analytickými metódami sme ukázali, že aj v stave po príprave je dominantná feromagnetická fáza a obsah minoritnej paramagnetickej fázy závisí na relatívnom pomere Ti a Nb (Acta Phys. Pol.).

Pripravili sme sériu bezolovnatých spájok s prídavkom nanočastíc CoPd, stanovili sme morfológiu spoja v závislosti od ich obsahu a určili sme vývoj pevnosti v šmyku takýchto spojov (Appl. Nanoscience).

Programy: APVV

19.) Exotické kvantové stavy nízkorozmerných spinových a elektrónových systémov (*Exotic quantum states of low-dimensional spin and electron systems*)

Zodpovedný riešiteľ:	Hana Čenčariková
Zodpovedný riešiteľ v organizácii SAV:	Andrej Gendiar
Trvanie projektu:	1.7.2017 / 30.6.2021
Evidenčné číslo projektu:	APVV-16-0186
Organizácia je koordinátorom projektu:	nie
Koordinátor:	Ústav experimentálnej fyziky SAV
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	APVV: 12045 €

Dosiahnuté výsledky:

Študovali sme kvantové a klasické spinovo-elektrónové systémy s dôrazom na entropiu previazania. Všetky typy fázových prechodov sme analyzovali pre mnohostavové spiny, t.j., nespojité aj spojité fázové prechody, včítane topologicky usporiadaných fáz, z ktorých Kosterlitz-Thoulessove prechody nekonečného rádu boli detailne preštudované. Skúmané spinové systémy podliehali prítomnosti magnetického a elektrického poľa. Z tohto dôvodu bolo zovšeobecnených niekoľko algoritmov Tensorových sietí. Konkrétne sme použili tieto tri metódy: Higher-Order Tensor Renormalization Group, Tensor Product Variational Formulation a Corner Transfer Matrix Renormalization Group methods. Výsledky boli publikované v desiatich CC časopisoch.

20.) Cílený dizajn hydrogélových mikrokapsúl pre imunitnú ochranu pankreatických ostrovčiek v liečbe cukrovky (*Rational design of hydrogel microcapsules for immunoprotection of transplanted pancreatic islets in diabetes treatment*)

Zodpovedný riešiteľ:	Igor Lacík
Zodpovedný riešiteľ v organizácii SAV:	Peter Šiffalovič
Trvanie projektu:	7.1.2019 / 30.6.2023

Evidenčné číslo projektu: APVV-18-0480
Organizácia je koordinátorom projektu: nie
Koordinátor: Ústav polymérov SAV
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: APVV: 6808 €

Dosiahnuté výsledky:

Okrem štandardného mapovania koncentračných gradientov v polymérnych kapsulách pomocou konfokálnej Ramanovej mikroskopie sme skúmali možnosť sledovania rôznych analytov na vonkajšej membráne kapsule. Za týmto účelom sme testovali povrchovo-zosilnený Ramanov rozptyl (SERS) pomocou špeciálnych substrátov s plazmonickými nanočasticami. Počiatočné výsledky naznačujú možnosť kvantifikácie nízkych koncentrácií inzulínu. V ďalšom pokračovaní sa zameriame na aplikáciu SERS na sledovanie kinetiky molekulárneho prenosu v blízkosti vonkajšej membrány polymérnych kapsúl.

21.) Časovo-rozlíšené štúdium rastu hybridných van der Waalových heteroštruktúr (*Real-time grow studies of hybrid van der Waals heterostructures*)

Zodpovedný riešiteľ: Nad'a Mrk'vková
Trvanie projektu: 1.7.2018 / 30.6.2022
Evidenčné číslo projektu: APVV-17-0352
Organizácia je koordinátorom projektu: áno
Koordinátor: Fyzikálny ústav SAV
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: APVV: 12998 €

Dosiahnuté výsledky:

V roku 2020 sme sa v rámci projektu ďalej venovali naparovaniu malých molekúl na substráty MoS₂, ako aj na štandardné kremíkové substráty. Konkrétne sme skúmali malé organické molekuly na báze thiofénov, ktoré majú široký aplikačný potenciál.

Pomocou röntgenovej metódy GIWAXS sme skúmali dynamiku rastu molekulových vrstiev, tj. akým spôsobom rastú molekuly na substráte, kedy a ako vytvárajú uzavretú vrstvu. Výsledky tejto štúdie sú jedinečné v tom, že zo sledovania difrakčných máp vieme topografiu povrchu vyhodnotiť priamo počas rastu, bez nutnosti zložitého prerušovania rastu a používania iných zobrazovacích techník.

Dosiahnuté výsledky boli publikované v časopisoch, konkrétne 4 publikácie s vyššie uvedenou problematikou.

22.) Vlastnosti rozhrania grafén-diamant: štúdium na atomárnej úrovni (*Properties of the graphene-diamond interface: study on the atomic level*)

Zodpovedný riešiteľ: Mária Sabadková
Zodpovedný riešiteľ v organizácii SAV: Peter Šiffalovič
Trvanie projektu: 1.7.2017 / 31.12.2020
Evidenčné číslo projektu: APVV-16-0319

Organizácia je nie
koordinátorom projektu:
Koordinátor: Slovenská technická univerzita v Bratislave
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: APVV: 15993 €

Dosiahnuté výsledky:

V rámci projektovej spolupráce sme sa zúčastnili rôznych komparatívnych analytických meraní tenkovrstvových materiálov na báze uhlíka pomocou konfokálnej Ramanovej mikroskopie, mikroskopie atómových síl, spektroskopickkej elipsometrie a širokouhlého röntgenového rozptylu pod malým uhlom dopadu.

23.) Fyzikálne vlastnosti organických látok a vody uväznených v mezopóroch anorganických matric (*Physical properties of organic compounds and water confined in mesopores of inorganic matrices*)

Zodpovedný riešiteľ: Ondrej Šauša
Trvanie projektu: 1.7.2017 / 30.6.2021
Evidenčné číslo projektu: APVV-16-0369
Organizácia je áno
koordinátorom projektu:
Koordinátor: Fyzikálny ústav SAV
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: APVV: 28660 €

Dosiahnuté výsledky:

24.) Anódy pre Li-iónové batérie na báze uhlík-kremíkových kompozitov (*Carbon-silicon based composite anodes for Li-ion batteries*)

Zodpovedný riešiteľ: Peter Šiffalovič
Trvanie projektu: 1.7.2020 / 30.6.2024
Evidenčné číslo projektu: APVV-19-0461
Organizácia je nie
koordinátorom projektu:
Koordinátor: Fyzikálny ústav SAV
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: APVV: 2672 €

Dosiahnuté výsledky:

V prvej fáze projektu sme sa zamerali na návrh a výrobu špecializovaného batériového článku, ktorý umožní in-operando monitorovanie cyklov nabíjania/vybíjania batérií na báze Li. Kľúčovými vlastnosťami nového dizajnu bude kompatibilita s malo- a veľko-uhlovým RTG rozptylom. Takýto článok poskytne okrem bežných elektrochemických meraní ďalšie informácie o prebiehajúcich chemických reakciách ako aj o morfológických zmenách v pokročilých Li batériách. Zdokonalili sme tiež výrobu štandardných batérií Li-S.

25.) Hybridné nízkorozmerné vrstevnaté materiály s novými funkciami (*Hybrid Low*

Zodpovedný riešiteľ: Peter Šiffalovič
Trvanie projektu: 1.7.2020 / 31.12.2023
Evidenčné číslo projektu: APVV-19-0465
Organizácia je koordinátorom projektu: nie
Koordinátor: Fyzikálny ústav SAV
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: APVV: 12833 €

Dosiahnuté výsledky:

V prvej fáze projektu sme upravili štandardnú komoru vhodnú pre chemickú depozíciu z plynnej fázy (CVD) tak, aby vyhovovala požiadavkám na veľkohlavý RTG rozptyl pri malom uhle dopadu (GIWAXS) v reálnom čase. Počiatočné pilotné testy uskutočnené s laboratórnymi röntgenovými zdrojmi potvrdili možnosť sledovať fázové transformácie priamo počas procesu sulfurizácie. Monitorovali sme najmä sulfurizáciu tenkých Mo filmov. Zahrievanie Mo filmov v parách síry umožňuje výrobu veľmi tenkých MoS₂ filmov. Pomocou GIWAXS sme monitorovali chemickú reakciu kovu Mo s parami síry. Táto metóda má všeobecný význam, pretože sa dá použiť na sledovanie a kontrolu rôznych rastových procesov v CVD.

26.) In situ monitorovanie rastu a riadená príprava monovrstiev perovskitov (*In situ growth process and controllable preparation of perovskite monolayer films*)

Zodpovedný riešiteľ: Peter Šiffalovič
Trvanie projektu: 1.10.2018 / 30.9.2021
Evidenčné číslo projektu: SK-CN-RD-18-0006
Organizácia je koordinátorom projektu: áno
Koordinátor: Fyzikálny ústav SAV
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: APVV: 77689 €

Dosiahnuté výsledky:

Dvojmerné (2D) perovskitové filmy Ruddlesden-Popper (RP) priťahujú značnú pozornosť pre environmentálne stabilné perovskitové solárne články. Existuje veľký priestor na zlepšenie kryštalinity takýchto filmov v zmysle ich kryštalografickej orientácie, čo môže mať vplyv na zvýšenie účinnosti solárnych článkov. V roku 2020 sme pripravili 2D RP perovskitové filmy za pomoci prísady metylamóniumchloridu (MACl) jednoduchou jednostupňovou depozičnou metódou bez použitia anti-rozpúšťadla. 2D RP filmy nanosené na mezoporéznu transportnú vrstvu TiO₂ vykazovali vysokú kryštalinitu a preferenčnú vertikálnu kryštalografickú orientáciu.

27.) Inovatívna MoS₂ platforma pre diagnózu a cielenú liečbu rakoviny (*Smart MoS₂ platform for cancer diagnosis and targeted treatment*)

Zodpovedný riešiteľ: Peter Šiffalovič
Trvanie projektu: 7.1.2016 / 30.6.2020
Evidenčné číslo projektu: APVV-15-0641
Organizácia je koordinátorom projektu: áno

Koordinátor: Fyzikálny ústav SAV
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: APVV: 4674 €

Dosiahnuté výsledky:

V roku 2020 sa nám podarilo biokonjugovať nanočastice MoOx s protilátkami M75. Nanočastice MoOx sú na rozdiel od nanočastíc MoS2 sľubným fototermálnym agentom pre liečbu rakoviny. Počiatočné výsledky potvrdili preferenčnú aglomeráciu biokonjugovaných nanočastíc MoOx-M75 v rakovinových bunkách mikroskopiou STED. Opublikovali sme tiež naše výsledky týkajúce sa selektívnej aglomerácie biokonjugovaných nanočastíc MoS2-M75 v rakovinových bunkách. Okrem toho sme použili konfokálnu Ramanovu mikroskopiu pri sledovaní endocytózy biokonjugovaných nanoplatforiem grafénu oxidu.

28.) Metalické 2D dichalkogenidy prechodných kovov: príprava, štúdium vlastností a korelované stavy (*Fabrication, physics and correlated states in metallic 2D transition metal dichalcogenides*)

Zodpovedný riešiteľ: Peter Šiffalovič
Trvanie projektu: 1.7.2020 / 30.6.2023
Evidenčné číslo projektu: APVV-19-0365
Organizácia je koordinátorom projektu: áno
Koordinátor: Fyzikálny ústav SAV
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: APVV: 10199 €

Dosiahnuté výsledky:

V prvej fáze APVV projektu sme charakterizovali proces chemickej exfoliácie MXénov z ich MAX fázy. Konkrétne sme použili prášky Ti₃AlC₂ a následne sme pripravili MXény (Ti₃C₂X) selektívnym leptaním pomocou LiF + HCl roztoku. Výsledné produkty boli charakterizované radom analytických techník vrátane XRD, XPS, SEM, Auger-SEM, HR-TEM. Konečný produkt sa dispergoval vo vode. Pilotný test s modifikovanou Langmuir-Schaeferovou depozíciou potvrdzuje možnosť nanášania vysoko-kvalitných samo-usporiadaných vrstiev MXénov na akékoľvek substráty.

29.) AFM: Zobrazovanie, manipulácia, simulácia na atomárnej škále (*AFM: Imaging, manipulation, atomic-scale simulation*)

Zodpovedný riešiteľ: Ivan Štich
Trvanie projektu: 1.7.2019 / 30.6.2022
Evidenčné číslo projektu: APVV-18-0211
Organizácia je koordinátorom projektu: áno
Koordinátor: Fyzikálny ústav SAV
Počet spoluriešiteľských inštitúcií: 1 - Slovensko: 1
Čerpané financie: APVV: 43519 €

Dosiahnuté výsledky:

30.) Nové nano / mikroštruktúrované kovové materiály pripravené nekonvenčnými spôsobmi spracovania (*Novel nano / micro-structured metallic materials prepared by unconventional processing routes*)

Zodpovedný riešiteľ: Peter Švec
Trvanie projektu: 1.7.2020 / 30.6.2024
Evidenčné číslo projektu: APVV-19-0369
Organizácia je koordinátorom projektu: áno
Koordinátor: Fyzikálny ústav SAV
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: APVV: 15900 €

Dosiahnuté výsledky:

Na pripravených rýchlochladených vzorkách NiFeGa bohatých na Ni sme preskúmali vplyv tlaku na fázovú stabilitu a magnetické transformácie. Ukázali sme na význam jednoosého tlaku a mechanickej deformácie vrátane nízkoenergetického mletia pre vymiznutie martenzitickej transformácie a vznik štruktúr typu L12 a reverzibilitu týchto javov (publikácia JALCOM). Existujúce techniky termomechanického spracovania a magnetického žihania sme využili pri príprave optimalizovaného materiálu jadra snímača magnetického poľa typu fluxgate. Porovnali sme špičkové komerčné materiály s u nás vyrobeným nanokryštalickým materiálom typu Finemet, ukázali sme, že správny výber sekvencie termomagnetického spracovania vedie k materiálu plne konkurenčneschopného so zvyčajne používanými komerčnými materiálmi a rozširuje rozsah pracovných teplôt magnetometra na teplotný interval od -50°C do 85°C, výhodne využiteľný aj v kozmických podmienkach (geostacionárnych satelitoch) (publikácia IEEE Sensors Journal).

Kombináciu poznatkov o spracovaní v elektrických poliach a expertízy v oblasti atomárne rozlíšenej chemickej analýzy a mapovania prvkov na atomárnych škálach sme využili ako spoluautori pri stanovení špeciálneho lokálneho usporiadania v tzv. vysokoentropickom feroelektriku typu PBSC. Korelovali sme feroelektrický jav s pozorovanými jemnými zmenami chemického zloženia na nanometrovej úrovni (Journal of the European Ceramic Society). Úvodná korelácia mikroštruktúry, nominálneho zloženia a tepelného spracovania nových magneticky mäkkých materiálov s vysokou hodnotou magnetizácie v nasýtení je prezentovaná v zaslanej publikácii (JMMM, under review), kde sa skúma najmä efekt zloženia v Fe-Sn-B modifikovanom substitúciou Co za Fe a prídavkami P na objemové a povrchové vlastnosti. Na pripravených rýchlochladených vzorkách NiFeGa bohatých na Ni sme preskúmali vplyv tlaku na fázovú stabilitu a magnetické transformácie. Ukázali sme na význam jednoosého tlaku a mechanickej deformácie vrátane nízkoenergetického mletia pre vymiznutie martenzitickej transformácie a vznik štruktúr typu L12 a reverzibilitu týchto javov (publikácia JALCOM). Existujúce techniky termomechanického spracovania a magnetického žihania sme využili pri príprave optimalizovaného materiálu jadra snímača magnetického poľa typu fluxgate. Porovnali sme špičkové komerčné materiály s u nás vyrobeným nanokryštalickým materiálom typu Finemet, ukázali sme, že správny výber sekvencie termomagnetického spracovania vedie k materiálu plne konkurenčneschopného so zvyčajne používanými komerčnými materiálmi a rozširuje rozsah pracovných teplôt magnetometra na teplotný interval od -50°C do 85°C, výhodne využiteľný aj v kozmických podmienkach (geostacionárnych satelitoch) (publikácia IEEE Sensors Journal).

Kombináciu poznatkov o spracovaní v elektrických poliach a expertízy v oblasti atomárne rozlíšenej chemickej analýzy a mapovania prvkov na atomárnych škálach sme využili ako spoluautori pri stanovení špeciálneho lokálneho usporiadania v tzv. vysokoentropickom

feroelektriku typu PBSC. Korelovali sme feroelektrický jav s pozorovanými jemnými zmenami chemického zloženia na nanometrovej úrovni (Journal of the European Ceramic Society). Úvodná korelácia mikroštruktúry, nominálneho zloženia a tepelného spracovania nových magneticky mäkkých materiálov s vysokou hodnotou magnetizácie v nasýtení je prezentovaná v zaslanej publikácii (JMMM, under review), kde sa skúma najmä efekt zloženia v Fe-Sn-B modifikovanom substitúciou Co za Fe a prídavkami P na objemové a povrchové vlastnosti.

31.) Rozvoj poznatkovej bázy v oblasti pokročilých kovových materiálov s využitím moderných teoretických, experimentálnych a technologických postupov (*Advancement of knowledge in area of advanced metallic materials by use of up - to - date theoretical, experimental, and technological procedures*)

Zodpovedný riešiteľ: Peter Švec
Trvanie projektu: 1.7.2016 / 30.6.2020
Evidenčné číslo projektu: APVV-15-0049
Organizácia je nie
koordinátorom projektu:
Koordinátor: Fyzikálny ústav SAV
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: APVV: 9153 €

Dosiahnuté výsledky:

Metódami/procesmi high-energy ball milling, molecular level mixing a spark plasma sintering boli pripravené vzorky na báze Al-4Cu obsahujúce v odstupňovaných koncentráciách nanokompozity Cu/RGO (redukovaný oxid grafénu). Charakterizácia štruktúry a vlastností vzoriek sa uskutočnila pomocou FTIR, Ramanovej spektroskopie, XRD, SEM, TEM, EBSD a meranie tvrdosti metódou Vickersa. Ukázalo sa, že nanokompozitom Cu/RGO spevnené hliníkové zliatiny majú tým vyššiu tvrdosť, čím vyšší je podiel nanokompozitu v ich mikroštruktúre. Bola preukázaná dobrá kohézia medzi grafénom a hliníkovou matricou (Mat. Sci Eng. A).

Tepelne indukované štruktúrne zmeny v rýchlochladených systémoch Al-Ni-Co-RE (RE=Nd, Sm) v dôsledku devitifikácie, boli identifikované pomocou XRD, DSC a merania elektrického odporu. Bolo zistené, že študované kvaternárne zliatiny majú širší teplotný interval výskytu v amorfnom stave a komplexnejšie kryštalizačné správanie, v porovnaní s ternárnymi zliatinami obsahujúcimi Ni resp. Co. Ukázalo sa, že Nd podporuje vo väčšej miere spôsobilosť týchto zliatin tvoriť kovové sklá, ako Sm. Zliatiny Al₈₆Ni₄Co₄Nd₆ a Al₈₆Ni₄Co₄Sm₆ vykazovali lepšie vlastnosti, ako zliatiny Al₈₆Ni₆Co₂Nd₆ a Al₈₆Ni₆Co₂Sm₆ (Inorg. Mat., Rus. J. Inorg. Chem.).

Preskúmali sme termofyzikálne vlastnosti pokročilej zlievarenskej zliatiny Alufont-47, obsahujúcej cca 95 hm.% Al, cca 4 hm.% Cu a stopy Ti, Mg a niektorých ďalších prvkov, používanej hlavne v leteckom a automobilovom priemysle. Bol získaný súbor poznatkov o tepelnej vodivosti, termoelektrickej sile, hustote a povrchovom napätí tejto zliatiny v tekutom stave, čo má popri vedeckom aj aplikačný potenciál (High-Temp – High Pressures).

32.) Vlastnosti nových progresívnych konštrukčných materiálov v agresívnom prostredí roztavených solí (*The behaviour of new progressive construction materials in aggressive environment of molten salts*)

Zodpovedný riešiteľ: Peter Švec
Trvanie projektu: 1.7.2016 / 30.6.2020
Evidenčné číslo projektu: APVV-15-0738

Organizácia je nie
koordinátorom projektu:
Koordinátor: Fyzikálny ústav SAV
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: APVV: 12459 €

Dosiahnuté výsledky:

Hlavná časť riešenia projektu bola zameraná na korózne štúdium keramických materiálov v priemyselne využiteľných fluoridových taveninách. Ako prvá sa študovala korózna odolnosť diboridu titánu (TiB₂) v priemyselne využiteľnej taveninovej fluoridovej zmesi s rôznymi prídavkami. V oblasti možných kovových elektród s ohľadom na ich koróziu taveninami solí sme preskúmali štruktúru špeciálnych kovových substrátov na báze Al-Si-M (M = Fe, Co, Ni). V závere sme pomocou rozptylu inelastických neutronov a rtg. žiarenia spolu s prvoprincíповými výpočtami vyhodnotili vplyv štruktúrnej komplexnosti a neusporiadanosti na tepelnú vodivosť a dynamiku mriežky v komplexnej fáze Al₁₃Co₄, výsledky sme zobecnili pre širšiu triedu komplexných štruktúr s lokálnou neusporiadenosťou (Phys. Rev B).

33.) Tribologické vlastnosti 2D materiálov a príbuzných nanokompozitov (*Tribological properties of 2D materials and related nanocomposites*)

Zodpovedný riešiteľ: Milan Ľapajna
Zodpovedný riešiteľ v organizácii SAV: Peter Šiffalovič
Trvanie projektu: 1.7.2018 / 30.6.2022
Evidenčné číslo projektu: APVV-17-0560
Organizácia je koordinátorom projektu: nie
Koordinátor: Centrum pre využitie pokročilých materiálov SAV
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: APVV: 14799 €

Dosiahnuté výsledky:

V uplynulom období sme skúmali tribologické vlastnosti tenkých vrstiev MoSe₂ metódou laterálnej silovej mikroskopie (LFM). Mikrokryštály MoSe₂ boli vypestované metódou CVD. Najdôležitejším pozorovaním bola skutočnosť, že koeficient trenia závisí od kryštalografickej orientácie kryštálov MoSe₂. Bolo získaných veľké množstvo skenov LFM v rôznych kryštalografických orientáciách a v súčasnosti sa vyhodnocuje.

34.) Štruktúra jadrovej hmoty (*Structure of the nuclear matter*)

Zodpovedný riešiteľ: Martin Venhart
Trvanie projektu: 1.7.2016 / 31.12.2020
Evidenčné číslo projektu: APVV-15-0225
Organizácia je koordinátorom projektu: áno
Koordinátor: Fyzikálny ústav SAV
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: APVV: 29346 €

Dosiahnuté výsledky:

V rámci projektu bola ukončená analýza rozpadov nízko-položených hladín v izotopoch ^{177}Au , ^{179}Au . Bola preukázaná prítomnosť unikátneho rozpadu silne deformovaných štruktúr, ktorý sa v ťažších izotopoch zlata nevyskytuje. Tento výsledok je interpretovaný prostredníctvom zmiešavania konfigurácií. Výsledok bol publikovaný v časopise Phys. Lett. B, ktorý je úzko špecializovaný na jadrovú a subjadrovú fyziku a kozmológiu a uverejňuje dôležité nové poznatky v týchto disciplínach. Ďalej bol študovaný izotop ^{181}Au , kde bola po prvý krát stanovená jeho rozpadová schéma. Realizovaný bol prvý experiment na urýchľovači v Piešťanoch, ktorý prebehol v móde 24/7. Boli objavené nové izomérické hladiny v izotope ^{179}Au , na ich identifikáciu bola použitá metodika oneskorených gama-gama koincidií. Bola určená doba života prvého vzbuđeného stavu v ^{179}Au . Ten umožnil stanoviť deformačné parametre základného stavu. Tieto dáta budú publikované v priebehu roku 2021. Na základe týchto analýz vznikli dva návrhy nových experimentov: CERN a Univerzita v Jyväskylä. Oba boli príslušnými komisiami schválené v plnom rozsahu. Boli obhájené 2 dizertačné práce a jedna ďalšia čaká na obhajobu.

35.) Optimalizačné metódy pre kvantové technológie (*Optimisation methods for quantum technologies*)

Zodpovedný riešiteľ: Mário Ziman
Trvanie projektu: 1.7.2019 / 30.6.2023
Evidenčné číslo projektu: APVV-18-0518
Organizácia je koordinátorom projektu: áno
Koordinátor: Fyzikálny ústav SAV
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: APVV: 50204 €

Dosiahnuté výsledky:

Ukázali sme, že superpozícia kauzálnych poradí nám umožňuje zrealizovať teleportáciu aj v prípade, že zdroje sú zašumené. V ďalšom sme odhalili, že štruktúry vyšších rádov dosahujú maximálnu algebraickú hodnotu narušenia paradigmy lokálneho realizmu, t.j. prekračujú Tsirelsonovo ohraničenie. Optimalizovali sme protokol pre kvantové učenie fázového hradla pre kvantové bity. ďalej sme ukázali že superpozícia kauzálnych poradí umožňuje bezchybovú kvantovú teleportáciu aj pre zašumené singlety. Opublikovali sme 3 články.

Programy: Iné projekty

36.) Výskum a vývoj vysoko efektívnych energetických zdrojov a technológií pre dopravné systémy s využitím princípov Industry 4.0

Zodpovedný riešiteľ: Peter Švec
Trvanie projektu: 1.12.2018 / 31.10.2021
Evidenčné číslo projektu:
Organizácia je koordinátorom projektu: nie
Koordinátor: EVPÚ, a. s.

Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: MŠVVŠ SR: 33000 €

Dosiahnuté výsledky:

V nanokryštalických rýchlochladených Fe-Sn-B dopovaných P sme stanovili magnetické charakteristiky materiálov v závislosti od spôsobu tepelného spracovania a po ožiarení vysokoenergetickým zväzkom (Acta Phys. Pol.). Obecnjšie sme preskúmali vplyv charakteru a štruktúry povrchov rýchlochladených nanokryštalických pások na procesy magnetizácie (Appl. Surf. Sci.). Úvodná korelácia detailnej mikroštruktúry, nominálneho zloženia a tepelného spracovania nových magneticky mäkkých materiálov s vysokou hodnotou magnetizácie v nasýtení je prezentovaná v zaslanej štúdii (JMMM), kde sa skúma najmä efekt zloženia v Fe/Co-Sn-B modifikovanom substitúciou Co za Fe a prídavkami P na objemové a povrchové vlastnosti. Pripravili sme aj súbor tepelne stabilizovaných nanočastíc Fe₂O₃ s minimalizovanou rozmerovou disperziou a vysokým merným povrchom, ukázali sme vhodnosť ich použitia pri vývoji senzorov plynov (konf. ADEPT 2020).

Programy: MoRePro

37.) Operačná kvantová termodynamika (*Operational quantum thermodynamics*)

Zodpovedný riešiteľ: Mohammed Hamed Mohammady
Trvanie projektu: 1.4.2020 / 31.3.2024
Evidenčné číslo projektu: 19MRP0027
Organizácia je koordinátorom projektu: áno
Koordinátor: Fyzikálny ústav SAV
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: SAV: 16646 €

Dosiahnuté výsledky:

V prvom roku projektu MoRePro „Prevádzka kvantovej termodynamiky“ som uskutočnil výskum v dvoch témach: (1) Kolísanie termodynamických veličín v kvantovom režime; a (2) konzistentnosť prevádzkových postupov na meranie práce vykonanej na kvantovom systéme. Výsledkom témy (1) boli tri príspevky, ktoré sú v súčasnosti predmetom kontroly. V príspevku s názvom „Fluktuujúce kvantové teplo“ (arXiv: 2006.07254, predloženom Europhysics Letters) som študoval problém definovania fluktuácií kvantového tepla, ktoré vznikajú, keď systém prechádza dekoherenciou, a ponúkol tri alternatívne formulácie, ktoré sa spoliehajú na rôzne operačné postupy - kvôli hrubému zrnitiu meraní - na definovanie kvantových dráh. V dvoch dokumentoch „Vzťah termodynamickej neistoty v pomaly poháňaných kvantových tepelných motoroch“ (arXiv: 2006.07316, predložený listom Physical Review Letters) a „Spoločná štatistika práce a produkcie entropie pozdĺž kvantových trajektórií“ (arXiv: 2011.11589, predložený Physical Review E), moji spolupracovníci a ja sme skúmali fluktuácie práce, tepla a výroby entropie v kvantových tepelných motoroch a ako súvisia tieto množstvá z hľadiska takzvaných fluktuačno-disipačných vzťahov a vzťahov termodynamickej neistoty, ktoré obmedzujú výkon takýchto tepelných strojov. Téma (2) vyústila do príspevku s názvom „Konzistencia protokolu o dvojbodovom meraní energie“ (arXiv: 2012.09716, zaslaný do Physical Review A). Tu som zvážil slávny dvojbodový protokol merania energie na stanovenie štatistík práce na tepelne izolovanom kvantovom systéme a zistil som, že je možné, aby sa tento protokol dôsledne uplatňoval na meraný systém aj na merací prístroj používaný na meranie energie systému.

Príloha C

Publikačná činnosť organizácie (generovaná z ARL)

ABC Kapitoly vo vedeckých monografiách vydané v zahraničných vydavateľstvách

- ABC01 PINČÁK, Richard - BARTOŠ, Erik. Application of Spin-Orbit Coupling in Exotic Graphene Structures and Biology. In Solid State Physics. Metastable, Spintronics Materials and Mechanics of Deformable Bodies - Recent Progress. - London, United Kingdom : IntechOpen, 2020, p. 95 - 114. ISBN 978-1-83881-164-8. Dostupné na internete: <<https://www.intechopen.com/books/solid-state-physics-metastable-spintronics-materials-and-mechanics-of-deformable-bodies-recent-progress/application-of-spin-orbit-coupling-in-exotic-graphene-structures-and-biology>>

ADCA Vedecké práce v zahraničných karentovaných časopisoch – impaktovaných

- ADCA01 ADAMCZEWSKI-MUSCH, J. - ARNOLD, O. - BEHNKE, Joachim - BELOUNNAS, A. - BELYAEV, A. - FILIP, Peter - HLAVÁČ, Stanislav. Proton-number fluctuations in $s_{NN} = 2.4$ GeV Au + Au collisions studied with the High-Acceptance DiElectron Spectrometer (HADES) Proton-number fluctuations in root S-NN=2.4 GeV Au + Au collisions studied with the High-Acceptance DiElectron Spectrometer (HADES). In Physical Review C, 2020, vol. 102, no. 2, 024914. (2019: 2.988 - IF, Q2 - JCR, 1.270 - SJR, Q1 - SJR, karentované - CCC). (2020 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.102.024914>
- ADCA02 ADAMCZEWSKI-MUSCH, J. - ARNOLD, O. - BEHNKE, C. - BELOUNNAS, A. - BELYAEV, A. - FILIP, Peter - HLAVÁČ, Stanislav. Identical pion intensity interferometry at root s(NN)=2.4 GeV. In European Physical Journal A, 2020, vol. 56, no. 5, 140. (2019: 2.176 - IF, Q2 - JCR, 0.991 - SJR, Q1 - SJR, karentované - CCC). (2020 - Current Contents, WOS, SCOPUS). ISSN 1434-6001. Dostupné na: <https://doi.org/10.1140/epja/s10050-020-00116-w>
- ADCA03 ADAMCZEWSKI-MUSCH, J. - ARNOLD, O. - BEHNKE, C. - BELOUNNAS, A. - BELYAEV, A. - FILIP, Peter - HLAVÁČ, Stanislav. Charged-pion production in Au plus Au collisions at root s(NN)=2.4 GeV. In European Physical Journal A, 2020, vol. 56, 259. (2019: 2.176 - IF, Q2 - JCR, 0.991 - SJR, Q1 - SJR, karentované - CCC). (2020 - Current Contents, WOS, SCOPUS). ISSN 1434-6001. Dostupné na: <https://doi.org/10.1140/epja/s10050-020-00237-2>
- ADCA04 AURANEN, K.** - UUSITALO, J. - BADRAN, H. - GRAHN, T. - GREENLEES, P. T. - HERZÁŇ, Andrej - JAKOBSSON, U. - JULIN, R. - JUUTINEN, S. - KONKI, J. - LEINO, M. - LEPPÄNEN, A.-P. - O'NEILL, G. - PAKARINEN, J. - PAPADAKIS, P. - PARTANEN, J. - PEURA, P. - RAHKILA, P. - RUOTSALAINEN, P. - SANDZELIUS, M. - SARÉN, J. - SCHOLEY, C. - SINCLAIR, L. - SORRI, J. - STOLZE, S. - VOSS, A. Exploring the boundaries of the nuclear landscape: alpha-decay properties of Pa-211. In Physical Review C, 2020, vol. 102, no. 3, 034305. (2019: 2.988 - IF, Q2 - JCR, 1.270 - SJR, Q1 - SJR, karentované - CCC). (2020 - Current Contents, WOS, SCOPUS). ISSN 2469-9985.

- Dostupné na: <https://doi.org/10.1103/PhysRevC.102.034305>
- ADCA05 AURANEN, K.** - JAKOBSSON, U. - BADRAN, H. - GRAHN, T. - GREENLEES, P. T. - HERZÁŇ, Andrej - JULIN, R. - JUUTINEN, S. - KONKI, J. - LEINO, M. - LEPPÄNEN, A.-P. - O'NEILL, G. - PAKARINEN, J. - PAPADAKIS, P. - PARTANEN, J. - RAHKILA, P. - RUOTSALAINEN, P. - SANDZELIUS, M. - SARÉN, J. - SCHOLEY, C. - SINCLAIR, L. - SORRI, J. - STOLZE, S. - UUSITALO, J. - VOSS, A. Isomeric $13/2^+$ state in Fr-201. In *Physical Review C*, 2020, vol. 101, no. 2, 024306. (2019: 2.988 - IF, Q2 - JCR, 1.270 - SJR, Q1 - SJR, karentované - CCC). (2020 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.101.024306>
- ADCA06 BARTOŠ, Josef** - ŠVAJDLENKOVÁ, Helena - ŠAUŠA, Ondrej. Molecular probe dynamics and free volume heterogeneities in n-propanol confined in a regular MCM-41 matrix by ESR and PALS. In *RSC Advances*, 2020, vol. 10, p. 2283-2294. (2019: 3.119 - IF, Q2 - JCR, 0.736 - SJR, Q1 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 2046-2069. Dostupné na: <https://doi.org/10.1039/c9ra09495d>
- ADCA07 BASIOLI, Lovro - TKALČEVIĆ, Marija - BOGDANOVIĆ-RADOVIĆ, Iva - DRAŽIĆ, Goran - NÁDAŽDY, Peter - ŠIFFALOVIČ, Peter - SALAMON, Krešimir - MIČETIĆ, Maja**. 3D Networks of Ge Quantum Wires in Amorphous Alumina Matrix. In *Nanomaterials-Basel*, 2020, vol. 10, no. 7, 1363. (2019: 4.324 - IF, Q2 - JCR, 0.858 - SJR, Q1 - SJR, karentované - CCC). (2020 - Current Contents, WOS, SCOPUS). ISSN 2079-4991. Dostupné na: <https://doi.org/10.3390/nano10071363>
- ADCA08 BODIK, Michal** - KOVÁČOVÁ, Mária - BANOVSKA, Sara - ŠPITÁLSKY, Zdenko - HELD, Vladimír - JERGEL, Matej - MAJKOVÁ, Eva - ŠIFFALOVIČ, Peter. Uniaxial strengthening of the polyamide film by the aligned carbon nanotubes. In *Materials Today Communications*, 2020, vol. 25, art. no. 101432, [5] p. (2019: 2.678 - IF, Q2 - JCR, 0.599 - SJR, Q2 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 2352-4928. Dostupné na: <https://doi.org/10.1016/j.mtcomm.2020.101432>
- ADCA09 BODIK, Michal** - DEMYDENKO, Maksym - SHABELNYK, Tetiana - HALAHOVETS, Yuriy - KOTLAR, Mario - KOSTIUK, Dmytro - SHAJI, Ashin - BRUNOVA, Alica - VEIS, Pavel - JERGEL, Matej - MAJKOVÁ, Eva - ŠIFFALOVIČ, Peter. Collapse Mechanism in Few-Layer MoS₂ Langmuir Films. In *Journal of Physical Chemistry C*, 2020, vol. 124, no. 29, p. 15856-15861. (2019: 4.189 - IF, Q2 - JCR, 1.477 - SJR, Q1 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 1932-7447. Dostupné na: <https://doi.org/10.1021/acs.jpcc.0c02365>
- ADCA10 BODIK, Michal** - JERGEL, Matej - MAJKOVÁ, Eva - ŠIFFALOVIČ, Peter. Langmuir films of low-dimensional nanomaterials. In *Advances in colloid and interface science*, 2020, vol. 283, 102239. (2019: 9.922 - IF, Q1 - JCR, 2.066 - SJR, Q1 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 0001-8686. Dostupné na: <https://doi.org/10.1016/j.cis.2020.102239>
- ADCA11 BODIK, Michal** - MAXIAN, Ondrej - HAGARA, Jakub - NÁDAŽDY, Peter - JERGEL, Matej - MAJKOVÁ, Eva - ŠIFFALOVIČ, Peter. Langmuir–Scheffer Technique as a Method for Controlled Alignment of 1D Materials. In *Langmuir*, 2020, vol. 36, no. 16, p. 4540-4547. (2019: 3.557 - IF, Q2 - JCR, 1.088 - SJR, Q1 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 0743-7463. Dostupné na: <https://doi.org/10.1021/acs.langmuir.0c00045>
- ADCA12 BOGDANOWICZ, Krzysztof Artur** - JEWLOSZEWICZ, Beata - IWAN, Agnieszka** - DYSZ, Karolina - PRZYBYL, Wojciech - JANUSZKO, Adam - MARZEC, Monika - CICHY, Kasper - SVIERCZEK, Konrad - KAVAN, Ladislav - ZUKALOVÁ, Markéta - NÁDAŽDY, Vojtech - SUBAIR, Riyas - MAJKOVÁ, Eva - MIČUŠÍK, Matej - OMASTOVÁ, Mária - OZEREN, Mehmer Derya -

- KAMARÁS, Katalin - HEO, Do Yeon - KIM, Soo Young. Selected electrochemical properties of 4,4'-((1E,1'E)-((1,2,4-thiadiazole-3,5-diyl)bis(azaneylylidene))bis(methaneylylidene))bis(N,N-di-p-tolylaniline) towards perovskite solar cells with 14.4% efficiency. In *Materials*, 2020, vol. 13, no. 11, art. no. 2440, [18] p. (2019: 3.057 - IF, Q2 - JCR, 0.647 - SJR, Q2 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 1996-1944. Dostupné na: <https://doi.org/10.3390/ma13112440>
- ADCA13 BRISELET, R. - CH. THEISEN** - SULIGNANO, B. - AIRIAU, M. - AURANEN, K. - COX, D. M. - DÉCHERY, F. - DROUART, A. - FAVIER, Z. - GALL, B. - GOIGOUX, T. - GRAHN, T. - GREENLEES, P. T. - HAUSCHILD, K. - HERZÁŇ, Andrej - HERZBERG, R.-D. - JAKOBSSON, U. - JULIN, R. - JUUTINEN, S. - KONKI, J. - LEINO, M. - LOPEZ-MARTENS, A. - MISTRY, A. - NIEMINEN, P. - PAKARINEN, J. - PAPADAKIS, P. - PEURA, P. - REY-HERME, E. - RAHKIL, P. - RUBERT, J. - RUOTSALAINEN, P. - SANDZELIUS, M. - SARÉN, J. - SCHOLEY, C. - SORRI, J. - STOLZE, S. - UUSITALO, J. - VANDEBROUCK, M. - WARD, A. - ZIELINSKA, M. - BALLY, B. - BENDER, M. - RYSENS, W. In-beam gamma-ray and electron spectroscopy of Md-249, Md-251. In *Physical Review C*, 2020, vol. 102, no. 1, 014307. (2019: 2.988 - IF, Q2 - JCR, 1.270 - SJR, Q1 - SJR, karentované - CCC). (2020 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.102.014307>
- ADCA14 BUTVINOVÁ, Beata** - BUTVIN, Pavol - JANOTOVÁ, Irena - JANIČKOVIČ, Dušan - SITEK, J. - DEKAN, J. - HOLKOVÁ, D. - MAŤKO, Igor. Magnetic response of amorphous and nanocrystalline FeSn(P)B ribbons to electron irradiation. In *Acta Physica Polonica A*, 2020, vol. 137, no. 5, p. 839-842. (2019: 0.579 - IF, Q4 - JCR, 0.214 - SJR, Q3 - SJR, karentované - CCC). (2020 - Current Contents, WOS, SCOPUS). ISSN 1898-794X. Dostupné na: <https://doi.org/10.12693/APhysPolA.137.839>
- ADCA15 CAPOZZIELLO, Salvatore* - PINČÁK, Richard* - BARTOŠ, Erik*. A Supersymmetry and Quantum Cryptosystem with Path Integral Approach in Biology. In *Symmetry-basel*, 2020, vol. 12, no. 8, art. no. 1214. (2019: 2.645 - IF, Q2 - JCR, 0.365 - SJR, Q2 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 2073-8994. Dostupné na: <https://doi.org/10.3390/sym12081214>
- ADCA16 CAPOZZIELLO, Salvatore** - PINČÁK, Richard** - BARTOŠ, Erik*. Chern-Simons Current of Left and Right Chiral Superspace in Graphene Wormhole. Salvatore Capozziello, Richard Pinčák, Erik Bartoš. In *Symmetry-basel*, 2020, vol. 12, no. 5, art. no. 774. (2019: 2.645 - IF, Q2 - JCR, 0.365 - SJR, Q2 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 2073-8994. Dostupné na: <https://doi.org/10.3390/SYM12050774>
- ADCA17 ČENČARIKOVÁ, Hana** - STREČKA, Jozef - GENDIAR, Andrej. Influence of applied electric and magnetic fields on a thermally-induced reentrance of a coupled spin-electron model on a decorated square lattice. In *Physica E : low-dimensional system and nanostructure*, 2020, vol. 115, no. 11, art. no. 113717. (2019: 3.570 - IF, Q2 - JCR, 0.566 - SJR, Q2 - SJR, karentované - CCC). (2020 - Current Contents, WOS, SCOPUS). ISSN 1386-9477. Dostupné na: <https://doi.org/10.1016/j.physe.2019.113717>
- ADCA18 DUBNIČKA, Stanislav** - DUBNIČKOVÁ, A. Z. - ISSADYKOV, A. - IVANOV, M. A. - LIPTAJ, Andrej**. Y(4260) as a four-quark state. In *Physical Review D*, 2020, vol. 101, no. 9, 094030. (2019: 4.833 - IF, Q1 - JCR, 1.664 - SJR, Q1 - SJR, karentované - CCC). (2020 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.101.094030>
- ADCA19 DUBNIČKA, Stanislav - DUBNIČKOVÁ, Anna Zuzana - IVANOV, Mikhail A. - LIPTAJ, Andrej**. Dynamical Approach to Decays of XYZ States. In *Symmetry-*

- basel, 2020, vol. 12, no. 6, 884. (2019: 2.645 - IF, Q2 - JCR, 0.365 - SJR, Q2 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 2073-8994. Dostupné na: <https://doi.org/10.3390/SYM12060884>
- ADCA20 GENDIAR, Andrej**. Area-Law Study of Quantum Spin System on Hyperbolic Lattice Geometries. In Acta Physica Polonica A, 2020, vol. 137, no. 5, p. 589-591. (2019: 0.579 - IF, Q4 - JCR, 0.214 - SJR, Q3 - SJR, karentované - CCC). (2020 - Current Contents, WOS, SCOPUS). ISSN 1898-794X. Dostupné na: <https://doi.org/10.12693/APhysPolA.137.589>
- ADCA21 HAGARA, Jakub - MRKÝVKOVÁ, Nad'a, Tesařová** - FERIANCOVÁ, Lucia - PUTALA, Martin - NÁDAŽDY, Peter - HODAS, Martin - SHAJI, Ashin - NÁDAŽDY, Vojtech - HUSS-HANSEN, M.K. - KNAAPILA, M. - HAGENLOCHER, J. - RUSSEGGGER, N. - ZWADLO, M. - MERTEN, L. - SOJKOVÁ, Michaela - HULMAN, Martin - VLAD, A. - PANDIT, P. - ROTH, S. - JERGEL, Matej - MAJKOVÁ, Eva - HINDERHOFER, A. - ŠIFFALOVÍČ, Peter - SCHREIBER, F. Novel highly substituted thiophene-based n-type organic semiconductor: structural study, optical anisotropy and molecular control. In CrystEngComm, 2020, vol. 22, no. 42, p. 7095-7103. (2019: 3.117 - IF, Q2 - JCR, 0.814 - SJR, Q1 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 1466-8033. Dostupné na: <https://doi.org/10.1039/d0ce01171a> (APVV-19-0365 TMD2DCOR. APVV 17-0560. VEGA 2/0092/18. VEGA 2/0149/17)
- ADCA22 HAGARA, Jakub - MRKÝVKOVÁ, Nad'a, Tesařová** - NÁDAŽDY, Peter - HODAS, Martin - BODIK, Michal - JERGEL, Matej - MAJKOVÁ, Eva - TOKÁR, Kamil - HUTÁR, Peter - SOJKOVÁ, Michaela - CHUMAKOV, A. - KONOVALOV, O. - PANDIT, P. - ROTH, S. - HINDERHOFER, A. - HULMAN, Martin - ŠIFFALOVÍČ, Peter - SCHREIBER, F. Reorientation of π -conjugated molecules on few-layer MoS₂ films. In Physical Chemistry Chemical Physics, 2020, vol. 22, p. 3097-3104. (2019: 3.430 - IF, Q1 - JCR, 1.143 - SJR, Q1 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 1463-9076. Dostupné na: <https://doi.org/10.1039/c9cp05728e> (VEGA 2/0149/17. VEGA 2/0092/18)
- ADCA23 HANGLEITER, Dominik** - ROTH, Ingo - NAGAJ, Daniel - EISERT, Jens. Easing the Monte Carlo sign problem. In Science Advances, 2020, vol. 6, no. 33, eabb8341. (2019: 13.116 - IF, Q1 - JCR, 6.062 - SJR, Q1 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 2375-2548. Dostupné na: <https://doi.org/10.1126/sciadv.abb8341>
- ADCA24 HASSAN IBRAHIM, Ahmed Mohamed - BALOG, Martin** - KRÍŽIK, Peter - NOVY, Frantisek - CETIN, Yuksel - ŠVEC, Peter Jr. - BAJANA, Otto - DRIENOVSKY, Marian. Partially biodegradable Ti-based composites for biomedical applications subjected to intense and cyclic loading. In Journal of Alloys and Compounds, 2020, vol. 839, no. 155663. (2019: 4.650 - IF, Q1 - JCR, 1.055 - SJR, Q1 - SJR, karentované - CCC). (2020 - Current Contents, WOS, SCOPUS). ISSN 0925-8388. Dostupné na: <https://doi.org/10.1016/j.jallcom.2020.155663>
- ADCA25 HEO, Do Yeon - LEE, Tae Hyung - IWAN, Agnieszka - KAVAN, Ladislav - OMASTOVÁ, Mária - MAJKOVÁ, Eva - KAMARÁS, Katalin - JANG, Ho Won** - KIM, Soo Young**. Effect of lead thiocyanate ions on performance of tin-based perovskite solar cells. In Journal of Power Sources, 2020, vol. 458, art.no. 228067, [8] p. (2019: 8.247 - IF, Q1 - JCR, 2.111 - SJR, Q1 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 0378-7753. Dostupné na: <https://doi.org/10.1016/j.jpowsour.2020.228067>
- ADCA26 HERZÁŇ, Andrej** - JUUTINEN, S. - AURANEN, K. - GRAHN, T. - GREENLEES, P.T. - HAUSCHILD, K. - JAKOBSSON, U. - JULIN, R. - KETELHUT, S. - LEINO, M. - LOPEZ-MARTENS, A. - LÖNNROTH, T. - NIEMINEN, P. - NYMAN, M. - PARTANEN, J. - PEURA, P. - RAHKILA, P. -

- RUOTSALAINEN, P. - SANDZELIUS, M. - SARÉN, J. - SCHOLEY, C. - SLOTTÉ, J.M.K. - SORRI, J. - STOLZE, S. - UUSITALO, J. Study of excited states and observation of collective level structures in the odd-odd nucleus Bi-194. In European Physical Journal A, 2020, vol. 56, no. 6, 165. (2019: 2.176 - IF, Q2 - JCR, 0.991 - SJR, Q1 - SJR, karentované - CCC). (2020 - Current Contents, WOS, SCOPUS). ISSN 1434-6001. Dostupné na: <https://doi.org/10.1140/epja/s10050-020-00167-z>
- ADCA27 HINKELMAN, Jan* - VRŠANSKÝ, Peter** - GARCIA, Thierry - TEJEDOR, Arian - BERTNER, Paul - SOROKIN, Anton - GALLICE, Geoffrey R. - KOUBOVÁ, Ivana - NAGY, Štefan - VIDLIČKA, Ľubomír*. Neotropical Melyroidea group cockroaches reveal various degrees of (eu)sociality. In The Science of Nature, 2020, vol. 107, no. 5, 39. (2019: 2.090 - IF, Q2 - JCR, 0.804 - SJR, Q2 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 0028-1042. Dostupné na: <https://doi.org/10.1007/s00114-020-01694-x> (APVV-0436-12 : Evolučné zákonitosti indikované článkonožcami a ich príbuznými. Vega č. 2/0042/18 : Šváby zo svetových jantárov II)
- ADCA28 HUANG, Fei - ŠIFFALOVIC, Peter - LI, Bo - YANG, Shixu - ZHANG, Linxing - NÁDAŽDY, Peter - CAO, Guozhong - TIAN, Jianjun**. Controlled Crystallinity and Morphologies of 2D Ruddlesden-Popper Perovskite Films Grown without Anti-Solvent for Solar Cells. In Chemical Engineering Journal, 2020, vol. 394, 124959. (2019: 10.652 - IF, Q1 - JCR, 2.315 - SJR, Q1 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 1385-8947. Dostupné na: <https://doi.org/10.1016/j.cej.2020.124959>
- ADCA29 HUSS-HANSEN, M.K.** - HODAS, Martin - MRKÝVKOVÁ, Nad'a, Tesařová - HAGARA, Jakub - JENSEN, B. B. E. - OSADNIK, A. - LÜTZEN, A. - MAJKOVÁ, Eva - ŠIFFALOVIC, Peter - SCHREIBER, F. - TAVARES, L. - KJELSTRUP-HANSEN, J. - KNAAPILA, M. Surface-Controlled Crystal Alignment of Naphthyl End-Capped Oligothiophene on Graphene: Thin-Film Growth Studied by in Situ X-Ray Diffraction. In Langmuir, 2020, vol. 36, no. 8, p. 1898–1906. (2019: 3.557 - IF, Q2 - JCR, 1.088 - SJR, Q1 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 0743-7463. Dostupné na: <https://doi.org/10.1021/acs.langmuir.9b03467>
- ADCA30 HUTÁR, Peter - SOJKOVÁ, Michaela** - KUNDRATA, Ivan - VÉGSO, Karol - SHAJI, Ashin - NÁDAŽDY, Peter - PRIBUSOVÁ SLUŠNÁ, Lenka - MAJKOVÁ, Eva - ŠIFFALOVIC, Peter - HULMAN, Martin. Correlation between the crystalline phase of molybdenum oxide and horizontal alignment in thin MoS2 films. In Journal of Physical Chemistry C, 2020, vol. 124, no. 35, p. 19362-19367. (2019: 4.189 - IF, Q2 - JCR, 1.477 - SJR, Q1 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 1932-7447. Dostupné na: <https://doi.org/10.1021/acs.jpcc.0c05336>
- ADCA31 HU, Xiao-Min - XING, Wen-Bo - ZHANG, Chao - LIU, Bi-Heng** - PIVOLUSKA, Matej** - HUBER, Marcus** - HUANG, Yun-Feng - LI, Chuan-Feng - GUO, Guang-Can. Experimental creation of multi-photon high-dimensional layered quantum states. In npj Quantum Information, 2020, vol. 6, no. 1. (2019: 7.286 - IF, Q1 - JCR, 4.098 - SJR, Q1 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 2056-6387. Dostupné na: <https://doi.org/10.1038/s41534-020-00318-6>
- ADCA32 CHATELAIN, Christophe** - GENDIAR, Andrej*. Absence of logarithmic divergence of the entanglement entropies at the phase transitions of a 2D classical hard rod model. In European Physical Journal B, 2020, vol. 93, no. 7, 134. (2019: 1.347 - IF, Q3 - JCR, 0.459 - SJR, Q2 - SJR, karentované - CCC). (2020 - Current Contents, WOS, SCOPUS ; 2020 - Current Contents). ISSN 1434-6028. Dostupné na: <https://doi.org/10.1140/epjb/e2020-10059-8>
- ADCA33 CHAUHAN, Prerna** - HASENÖHRL, Stanislav - VANČO, L. - ŠIFFALOVIC, Peter

- Peter - DOBROČKA, Edmund - MACHAJDÍK, Daniel - ROSOVÁ, Alica - GUCMANN, Filip - KOVÁČ, Jaroslav Jr. - MAŤKO, Igor - KUBALL, M. - KUZMÍK, Ján. A systematic study of MOCVD reactor conditions and Ga memory effect on properties of thick InAl(Ga)N layers: A complete depth-resolved investigation. In CrystEngComm, 2020, vol. 22, p. 130-141. (2019: 3.117 - IF, Q2 - JCR, 0.814 - SJR, Q1 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 1466-8033. Dostupné na: <https://doi.org/10.1039/c9ce01549c>
- ADCA34 IVANČO, Ján** - BENKOVIČOVÁ, Monika - HALAHOVETS, Yuriy - MIČUŠÍK, Matej - KOLLÁR, Jozef - KOSTIUK, Dmytro - HOLOŠ, Ana - MOSNÁČEK, Jaroslav. A marked change in electrical resistivity of alumina upon exposure to trace concentration of acetone vapours. In Ceramics International, 2020, vol. 46, no. 10, p. 15876-15881. (2019: 3.830 - IF, Q1 - JCR, 0.891 - SJR, Q1 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 0272-8842. Dostupné na: <https://doi.org/10.1016/j.ceramint.2020.03.135>
- ADCA35 JIRASKOVA, Y.** - PIZUROVA, N. - FRIAK, M. - JANIČKOVIČ, Dušan. Structural and Magnetic Study of Fe-Al-20-(Ti, Nb) Alloys. In Acta Physica Polonica A, 2020, vol. 137, no. 5, p. 835-838. (2019: 0.579 - IF, Q4 - JCR, 0.214 - SJR, Q3 - SJR, karentované - CCC). (2020 - Current Contents, WOS, SCOPUS). ISSN 1898-794X. Dostupné na: <https://doi.org/10.12693/APhysPolA.137.835>
- ADCA36 KALINAY, Pavel**. Taylor dispersion in Poiseuille flow in three-dimensional tubes of varying diameter. In Physical Review E, 2020, vol. 102, no. 4, 042606. (2019: 2.296 - IF, Q1 - JCR, 0.958 - SJR, Q1 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 2470-0045. Dostupné na: <https://doi.org/10.1103/PhysRevE.102.042606>
- ADCA37 KALLUNKATHARIYIL, J. - SULIGNANO, B. - GREENLEES, P.T. - KHUYAGBAATAR, J. - THEISEN, Ch. - AURANEN, K. - BADRAN, H. - BISSO, F. - BRIONNET, P. - BRISELET, R. - DROUART, A. - FAVIER, Z. - GOIGOUX, T. - GRAHN, T. - HAUSCHILD, K. - HERZÁŇ, Andrej - HEBBERGER, F.P. - JAKOBSSON, U. - JULIN, R. - JUUTINEN, S. - KONKI, J. - LEINO, M. - LIGHTFOOT, A. - PAKARINEN, J. - PAPADAKIS, P. - PARTANEN, J. - PEURA, P. - RAHKILA, P. - REZYNKINA, K. - RUOTSALAINEN, P. - SANDZELIUS, M. - SAREN, J. - SCHOLEY, C. - SICILIANO, M. - SORRI, J. - STOLZE, S. - SVIRIKHIN, A.I. - UUSITALO, J. - VANDEBROUCK, M. - WARD, A. - WRAITH, C. - ZIELIŃSKA, M. Stability of the heaviest elements: K isomer in No-250. In Physical Review C, 2020, vol. 101, no. 1, 011301R. (2019: 2.988 - IF, Q2 - JCR, 1.270 - SJR, Q1 - SJR, karentované - CCC). (2020 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.101.011301>
- ADCA38 KANJAMAPORNKUL, Kabin** - PINČÁK, Richard** - BARTOŠ, Erik**. Cohomology theory for financial time series. In Physica A - Statistical Mechanics and its Applications, 2020, vol. 546, no. 12, 122212. (2019: 2.924 - IF, Q2 - JCR, 0.712 - SJR, Q2 - SJR, karentované - CCC). (2020 - Current Contents, WOS, SCOPUS). ISSN 0378-4371. Dostupné na: <https://doi.org/10.1016/j.physa.2019.122212>
- ADCA39 KARKI, Akchheta - VOLLBRECHT, Joachim - GILLET, Alexander J. - SELTER, Philipp - LEE, Jaewon - PENG, Zhengxing - SCHOPP, Nora - DIXON, Alana L. - SCHROCK, Max - NÁDAŽDY, Vojtech - SCHAUER, Franz - ADE, Harald - CHMELKA, Bradley F. - BAZAN, Guillermo C. - FRIEND, Richard H. - NGUYEN, Thuc-Quyen**. Unifying Charge Generation, Recombination, and Extraction in Low-Offset Non-Fullerene Acceptor Organic Solar Cells. In Advanced Energy Materials, 2020, vol. 10, no. 29, 2001203. (2019: 25.245 - IF, Q1 - JCR, 9.513 - SJR, Q1 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 1614-

6832. Dostupné na: <https://doi.org/10.1002/aenm.202001203>
- ADCA40 KAVETSKYY, T.** - KUKHAZH, Y. - ZUBRYTSKA, K. - SMUTOK, O. - DEMKIV, O. - GONCHAR, M. - ŠAUŠA, Ondrej - ŠVAJDLENKOVÁ, Helena - KASETAITE, S. - OSTRAUSKAITE, J. - BOEV, V. - ILCHEVA, V. - PETKOVA, T. Controlling the network properties of polymer matrices for improvement of amperometric enzyme biosensors: Contribution of positron annihilation. In Acta Physica Polonica A, 2020, vol. 137, no. 2, p. 247-249. (2019: 0.579 - IF, Q4 - JCR, 0.214 - SJR, Q3 - SJR, karentované - CCC). (2020 - Current Contents, WOS, SCOPUS). ISSN 1898-794X. Dostupné na: <https://doi.org/10.12693/APhysPolA.137.246>
- ADCA41 KAVETSKYY, Taras** - SMUTOK, Oleh - DEMKIV, Olha - MAŤKO, Igor - ŠVAJDLENKOVÁ, Helena - ŠAUŠA, Ondrej - NOVÁK, Ivan - BEREK, Dušan - ČECHOVÁ, Katarína - PECZ, Michal - NYKOLAISHYN-DYTISO, Oksana - WOJNAROWSKA-NOWAK, Renata - BRODA, Daniel - GONCHAR, Mykhailo - ZGARDZIŃSKA, Bożena. Microporous carbon fibers as electroconductive immobilization matrixes: Effect of their structure on operational parameters of laccase-based amperometric biosensor. In Materials Science and Engineering C: Materials for Biological Applications, 2020, vol. 109, art.no. 110570, [8] p. (2019: 5.880 - IF, Q1 - JCR, 1.149 - SJR, Q1 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 0928-4931. Dostupné na: <https://doi.org/10.1016/j.msec.2019.110570>
- ADCA42 KHOSHGHADAM-PIREYOUSEFAN, Mohammad - RAHMANIFARD, Roohollah** - OROVČÍK, Lubomír - ŠVEC, Peter - KLEMM, Volker. Application of a novel method for fabrication of graphene reinforced aluminum matrix nanocomposites: Synthesis, microstructure, and mechanical properties. In Materials Science and Engineering A - Structural Materials Properties Microstructure and Processing, 2020, vol. 772, no. 13, 138820. (2019: 4.652 - IF, Q1 - JCR, 1.700 - SJR, Q1 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 0921-5093. Dostupné na: <https://doi.org/10.1016/j.msea.2019.138820> (Vega č. 2/0158/16 : Výskum metodík prípravy ultrajemných a jemnozrnných materiálov na báze Al a AlTi pre mikroštruktútnu charakterizáciu pomocou EBSD metódy)
- ADCA43 KITYK, A.** - PAVLÍK, Viliam - BOČA, Miroslav - PANGALLO, Domenico - KAPUSTOVÁ, Magdaléna - HALAHOVETS, Yuriy. Electrochemical surface treatment to enhance corrosion resistance and bioresistance of medical-grade stainless steels. In Journal of Materials Engineering and Performance, 2020, vol. 29, no. 9, p. 5985-5994. (2019: 1.652 - IF, Q3 - JCR, 0.503 - SJR, Q2 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 1059-9495. Dostupné na: <https://doi.org/10.1007/s11665-020-05095-z>
- ADCA44 KOPANI, Martin** - MIKULA, Milan - KOSNAC, Daniel - KOVAC, Jaroslav - TRNKA, Michal - GREGUS, Jan - JERIGOVA, Monika - JERGEL, Matej - VAVRINSKY, Erik - BAČOVÁ, Silvia - ZITTO, Peter - POLAK, Stefan - PINČÍK, Emil. Effect of etching time in hydrofluoric acid on the structure and morphology of n-type porous silicon. In Applied Surface Science, 2020, vol. 532, 147463. (2019: 6.182 - IF, Q1 - JCR, 1.230 - SJR, Q1 - SJR, karentované - CCC). (2020 - Current Contents, WOS, SCOPUS). ISSN 0169-4332. Dostupné na: <https://doi.org/10.1016/j.apsusc.2020.147463>
- ADCA45 KOVÁČOVÁ, Mária - KLEINOVÁ, Angela - VAJĎÁK, Ján - HUMPOLÍČEK, Petr - KUBÁT, Pavel - BODIK, Michal - MARKOVIĆ, Zoran M. - ŠPITÁLSKY, Zdenko**. Photodynamic-active smart biocompatible material for an antibacterial surface coating. In Journal of Photochemistry and Photobiology. B: Biology, 2020, vol. 211, 112012, [8] p. (2019: 4.383 - IF, Q1 - JCR, 0.835 - SJR, Q1 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 1011-1344. Dostupné na:

- <https://doi.org/10.1016/j.jphotobiol.2020.112012>
- ADCA46 KRČMÁR, Roman** - GENDIAR, Andrej - NISHINO, T. Entanglement-Entropy Study of Phase Transitions in Six-State Clock Model. In Acta Physica Polonica A, 2020, vol. 137, no. 5, p. 598-600. (2019: 0.579 - IF, Q4 - JCR, 0.214 - SJR, Q3 - SJR, karentované - CCC). (2020 - Current Contents, WOS, SCOPUS). ISSN 1898-794X. Dostupné na: <https://doi.org/10.12693/APhysPolA.137.598>
- ADCA47 KUNCA, Branislav** - MAŤKO, Igor - ŠVEC, Peter - ŠKORVÁNEK, Ivan. FORC Study of Magnetization Reversal and Interlayer Interactions in Rapidly Quenched Fe/Co-Based Bilayer Ribbons. In Acta Physica Polonica A, 2020, vol. 137, no. 5, p. 815-817. (2019: 0.579 - IF, Q4 - JCR, 0.214 - SJR, Q3 - SJR, karentované - CCC). (2020 - Current Contents, WOS, SCOPUS). ISSN 1898-794X. Dostupné na: <https://doi.org/10.12693/APhysPolA.137.815> (CSMAG '19 : Czech and Slovak Conference on Magnetism)
- ADCA48 LORY, P.-F. - GIORDANO, V. M. - GILLE, P. - EUCHNER, H. - MIHALKOVIČ, Marek - PELLEGRINI, E. - GONZALEZ, M. - REGNAULT, L.-P. - BASTIE, P. - SCHOBER, H. - PAILHES, S. - JOHNSON, M. R. - GRIN, Yu. - DE BOISSIEU, M.**. Impact of structural complexity and disorder on lattice dynamics and thermal conductivity in the o-Al₁₃Co₄ phase. In Physical Review B, 2020, vol. 102, no. 2, 024303. (2019: 3.575 - IF, Q2 - JCR, 1.811 - SJR, Q1 - SJR, karentované - CCC). (2020 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.102.024303>
- ADCA49 MANCHÓN-GORDÓN, A.F. - IPUS, J.J. - BLÁZQUEZ, J.S.** - CONDE, C.F. - CONDE, A. - ŠVEC, Peter. Study of the kinetics and products of the devitrification process of mechanically amorphized Fe₇₀Zr₃₀ alloy. In Journal of Alloys and Compounds, 2020, vol. 825, 154021. (2019: 4.650 - IF, Q1 - JCR, 1.055 - SJR, Q1 - SJR, karentované - CCC). (2020 - Current Contents, WOS, SCOPUS). ISSN 0925-8388. Dostupné na: <https://doi.org/10.1016/j.jallcom.2020.154021>
- ADCA50 MANCHÓN-GORDÓN, A.F. - IPUS, J.J. - KOWALCZYK, M. - WÓJCIK, A. - BLÁZQUEZ, J.S.** - CONDE, C.F. - MAZIARZ, W. - ŠVEC, Peter - KULIK, T. - CONDE, A. Effect of pressure on the phase stability and magnetostructural transitions in nickel-rich NiFeGa ribbons. In Journal of Alloys and Compounds, 2020, vol. 844, 156092. (2019: 4.650 - IF, Q1 - JCR, 1.055 - SJR, Q1 - SJR, karentované - CCC). (2020 - Current Contents, WOS, SCOPUS). ISSN 0925-8388. Dostupné na: <https://doi.org/10.1016/j.jallcom.2020.156092>
- ADCA51 MANCHÓN-GORDÓN, A. F. - ŠVEC, Peter Jr. - IPUS, J. J. - KOWALCZYK, M. - BLÁZQUEZ, J. S.** - CONDE, C. F. - CONDE, A. - ŠVEC, Peter - KULIK, T. Devitrification of Mechanically Alloyed Fe-Nb System: Mössbauer Study of the Intermetallic Phases. In Metallurgical and materials transactions A : physical metallurgy and materials science, 2020, vol. 51, no. 3, p. 1395-1401. (2019: 2.050 - IF, Q2 - JCR, 0.906 - SJR, Q1 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 1073-5623. Dostupné na: <https://doi.org/10.1007/s11661-019-05610-5>
- ADCA52 MARCELLINA, E. - SRINIVASAN, A - NICHELE, F - STAÑO, Peter - RITCHIE, D. A. - FARRER, I. - CULCER, Dimitrie - HAMILTON, A. R. Nonlinear spin filter for nonmagnetic materials at zero magnetic field. In Physical Review B, 2020, vol. 102, no. 14, art. no. 140406R. (2019: 3.575 - IF, Q2 - JCR, 1.811 - SJR, Q1 - SJR, karentované - CCC). (2020 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.102.140406>
- ADCA53 MARKOVIĆ, Zoran M.** - LABUDOVIĆ, Martina - DANKO, Martin - MATIJAŠEVIĆ, Danko - MIČUŠÍK, Matej - NÁDAŽDY, Vojtech - KOVÁČOVÁ, Mária - KLEINOVÁ, Angela - ŠPITÁLSKY, Zdenko - PAVLOVIĆ, Vladimír - MILIVOJEVIĆ, Dušan D. - MEDIĆ, Mina - TODOROVIĆ MARKOVIĆ, Biljana M.**. Highly Efficient Antioxidant F- and Cl-Doped Carbon Quantum Dots for

- Bioimaging. In ACS Sustainable Chemistry & Engineering, 2020, vol. 8, no. 43, p. 16327-16338. (2019: 7.632 - IF, Q1 - JCR, 1.766 - SJR, Q1 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 2168-0485. Dostupné na: <https://doi.org/10.1021/acssuschemeng.0c06260>
- ADCA54 MARTINOVIČ, Lubomír** - DOROKHOV, Alexander. Vacuum loops in light-front field theory. In Physics Letters B : Nuclear, Elementary Particle and High-Energy Physics, 2020, vol. 811, no. 13, 135925. (2019: 4.384 - IF, Q1 - JCR, 1.795 - SJR, Q1 - SJR, karentované - CCC). (2020 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2020.135925>
- ADCA55 MIGLIERINI, Marcel B.** - DEKAN, Július - CESNEK, Martin - JANOTOVÁ, Irena - ŠVEC, Peter Jr. - BUJDOŠ, Marek - KOHOUT, Jaroslav. Hyperfine interactions in Fe/Co-B-Sn amorphous alloys by Mössbauer spectrometry. In Journal of Magnetism and Magnetic Materials, 2020, vol. 500, 166417. (2019: 2.717 - IF, Q2 - JCR, 0.658 - SJR, Q2 - SJR, karentované - CCC). (2020 - Current Contents, WOS, SCOPUS). ISSN 0304-8853. Dostupné na: <https://doi.org/10.1016/j.jmmm.2020.166417>
- ADCA56 MOHAMMADY, Mohammed Hamed** - AUFFÈVES, A. - ANDERS, J. Energetic footprints of irreversibility in the quantum regime. In Communications Physics, 2020, vol. 3, no. 1, 89. (2019: 4.684 - IF, Q1 - JCR, 2.310 - SJR, Q1 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 2399-3650. Dostupné na: <https://doi.org/10.1038/s42005-020-0356-9>
- ADCA57 MRKÝVKOVÁ, Nad'a, Tesařová** - NÁDAŽDY, Peter - HODAS, Martin - CHAI, J. - WANG, S. - CHI, D. - SOJKOVÁ, Michaela - HULMAN, Martin - CHUMAKOV, A. - KONOVALOV, O. - HINDERHOFER, A. - JERGEL, Matej - MAJKOVÁ, Eva - ŠIFFALOVICH, Peter - SCHREIBER, F. Simultaneous monitoring of molecular thin film morphology and crystal structure by x-ray scattering. In Crystal Growth & Design, 2020, vol. 20, p. 5269–5276. (2019: 4.089 - IF, Q1 - JCR, 1.004 - SJR, Q1 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 1528-7483. Dostupné na: <https://doi.org/10.1021/acs.cgd.0c00448>
- ADCA58 NAKAJIMA, Takashi** - NOIRI, Akito* - KAWASAKI, Kento - YONEDA, Jun - STAŇO, Peter - AMAHA, Shinichi - OTSUKA, Tomohiro - TAKEDA, Kenta - DELBECQ, Matthieu R. - ALLISON, Giles - LUDWIG, Arne - WIECK, Andreas D.* - LOSS, Daniel - TARUCHA, Seigo**. Coherence of a driven electron spin qubit actively decoupled from quasi-static noise. In Physical Review X, 2020, vol. 10, no. 1, 011060. (2019: 12.577 - IF, Q1 - JCR, 7.458 - SJR, Q1 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 2160-3308. Dostupné na: <https://doi.org/10.1103/PhysRevX.10.011060>
- ADCA59 NEILINGER, P.** - BARÁNEK, M. - MANCA, D. - GRAJCAR, Miroslav. Investigation of Complex Conductivity of Strongly Disordered Superconducting Films by Broadband Flip-Chip Transmission Line Technique. In Acta Physica Polonica A, 2020, vol. 137, no. 5, p. 797-799. (2019: 0.579 - IF, Q4 - JCR, 0.214 - SJR, Q3 - SJR, karentované - CCC). (2020 - Current Contents, WOS, SCOPUS). ISSN 1898-794X. Dostupné na: <https://doi.org/10.12693/APhysPolA.137.797>
- ADCA60 ÖZTÜRK, Sultan - İÇİN, Kürşat** - GENÇTÜRK, Merve - GÖBÜLÜK, Metin - ŠVEC, Peter. Effect of heat treatment process on the structural and soft magnetic properties of Fe₃₈Co₃₈Mo₈B₁₅Cu ribbons. In Journal of Non-Crystalline Solids, 2020, vol. 527, no. 11, 119745. (2019: 2.929 - IF, Q1 - JCR, 0.712 - SJR, Q1 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 0022-3093. Dostupné na: <https://doi.org/10.1016/j.jnoncrysol.2019.119745>
- ADCA61 PARR, E. - SMITH, J. F. - GREENLEES, P. T. - AURANEN, K. - CHAPMAN, R. - CULLEN, D. M. - GRAHN, T. - GROCUIT, L. - HERZÁŇ, Andrej - HERZBERG, R.-D. - HODGE, D. - JAKOBSSON, U. - JULIN, R. - JUUTINEN, S. - KONKI, J. -

- MCPEAKE, C. - MENGONI, D. - MISTRY, A. K. - MULHOLLAND, K. F. - O'NEILL, G. G. - PAKARINEN, J. - PAPADAKIS, P. - PARTANEN, J. - PEURA, P. - RAHKILA, P. - RUOTSALAINEN, P. - SANDZELIUS, M. - SARÉN, J. - SCHECK, M. - SCHOLEY, C. - SICILIANO, M. - SMOLEN, M. - SORRI, J. - STOLZE, S. - TAYLOR, M. J. - UUSITALO, J. Excited states in Ra-217 populated in the α decay of Th-221. In *Physical Review C*, 2020, vol. 102, no.5, 054335. (2019: 2.988 - IF, Q2 - JCR, 1.270 - SJR, Q1 - SJR, karentované - CCC). (2020 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.102.054335>
- ADCA62 PINČÁK, Richard - KANJAMAPORKUL, Kabin - BARTOŠ, Erik**. Cohomology theory for biological time series. In *Mathematical Methods in the Applied Sciences*, 2020, vol. 43, no. 2, p. 552-579. (2019: 1.626 - IF, Q2 - JCR, 0.667 - SJR, Q1 - SJR, karentované - CCC). (2020 - Current Contents, WOS, SCOPUS). ISSN 0170-4214. Dostupné na: <https://doi.org/10.1002/mma.5906>
- ADCA63 PINČÁK, Richard** - BARTOŠ, Erik**. Chemical evolution of protein folding in amino acids. In *Chemical Physics*, 2020, vol. 537, 110856. (2019: 1.771 - IF, Q3 - JCR, 0.462 - SJR, Q2 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 0301-0104. Dostupné na: <https://doi.org/10.1016/j.chemphys.2020.110856>
- ADCA64 PINČÁK, Richard** - KANJAMAPORKUL, Kabin - BARTOŠ, Erik**. A theoretical investigation on the predictability of genetic patterns. In *Chemical Physics*, 2020, vol. 535, 110764. (2019: 1.771 - IF, Q3 - JCR, 0.462 - SJR, Q2 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 0301-0104. Dostupné na: <https://doi.org/10.1016/j.chemphys.2020.110764>
- ADCA65 PLÁVALA, Martin - ZIMAN, Mário. Popescu-Rohrlich box implementation in general probabilistic theory of processes. In *Physics Letters A. General Atomic and Solid State Physics*, 2020, vol. 384, no. 16, 126323. (2019: 2.278 - IF, Q2 - JCR, 0.513 - SJR, Q2 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 0375-9601. Dostupné na: <https://doi.org/10.1016/j.physleta.2020.126323>
- ADCA66 PLESCH, Martin** - PLESNÍK, Samuel - RUŽIČKOVÁ, Natália. The IYPT and the ring oiler problem. In *European Journal of Physics*, 2020, vol. 41, no. 3, 034001. (2019: 0.756 - IF, Q4 - JCR, 0.437 - SJR, Q2 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 0143-0807. Dostupné na: <https://doi.org/10.1088/1361-6404/ab6414>
- ADCA67 PLEVACHUK, Yuriy** - SKLYARCHUK, Vasyl - POTTACHER, Gernot - LEITNER, Thomas - ŠVEC, Peter - ŠVEC, Peter Jr. - OROVČÍK, Ľubomír - DUFANETS, Marta - YAKYMOVYCH, Andriy. The liquid AlCu4TiMg alloy: thermophysical and thermodynamic properties. In *HIGH TEMP-HIGH PRESS*, 2020, vol. 49, p. 61-73. (2019: 0.424 - IF, Q4 - JCR, 0.159 - SJR, Q4 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 0018-1544. Dostupné na: <https://doi.org/10.32908/hthp.v49.847> (Štúdium výroby spevňujúcich fáz na báze uhlíka z odpadu a možnosti ich využitia v inžinierskych aplikáciách : VEGA 2/0135/19)
- ADCA68 POSPÍŠILOVÁ, Eva - KRČMÁR, Roman - GENDIAR, Andrej - ŠAMAJ, Ladislav. Full nonuniversality of the symmetric 16-vertex model on the square lattice. In *Physical Review E*, 2020, vol. 102, no. 1, 012125. (2019: 2.296 - IF, Q1 - JCR, 0.958 - SJR, Q1 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 2470-0045. Dostupné na: <https://doi.org/10.1103/PhysRevE.102.012125>
- ADCA69 RUSANOV, B. A. ** - SIDOROV, V. E. - ŠVEC, Peter - ŠVEC, Peter Jr. - JANIČKOVIČ, Dušan. Effects of Rare-Earth Metals on the Thermal Stability and Glass-Forming Ability of Al-Ni-Co-R Amorphous Alloys. In *Russian journal of inorganic chemistry*, 2020, vol. 65, no. 5, p. 663-667. (2019: 0.940 - IF, Q4 - JCR, 0.261 - SJR, Q3 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 0036-

0236. Dostupné na: <https://doi.org/10.1134/S0036023620050198>
- ADCA70 RUSANOV, B. A.** - SIDOROV, V. E. - ŠVEC, Peter Jr. - ŠVEC, Peter - JANIČKOVIČ, Dušan - PETROVA, S. A. Crystallization Behavior and Resistivity of Al-Ni-Co-Nd(Sm) Amorphous Alloys. In Inorganic Materials, 2020, vol. 56, no. 1, p. 16-21. (2019: 0.844 - IF, Q4 - JCR, 0.330 - SJR, Q2 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 0020-1685. Dostupné na: <https://doi.org/10.1134/S0020168519120112>
- ADCA71 SASAGAWA, Yoshinori - UEDA, Hiroshi - GENZOR, Jozef - GENDIAR, Andrej - NISHINO, Tomotoshi**. Entanglement Entropy on the Boundary of the Square-Lattice $\pm J$ Ising Model. In Journal of the Physical Society of Japan, 2020, vol. 89, no. 11, 114005. (2019: 1.579 - IF, Q3 - JCR, 0.770 - SJR, Q2 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 0031-9015. Dostupné na: <https://doi.org/10.7566/JPSJ.89.114005>
- ADCA72 SEDLÁK, Matúš** - VENHART, Martin - WOOD, J. L. - MATOUŠEK, Vladislav - BALOGH, Matúš - BOSTON, A. J. - COCOLIOS, T. E. - HARKNESS-BRENNAN, L. J. - HERZBERG, R.-D. - JOSS, D. T. - JUDSON, D. S. - KLIMAN, Ján - PAGE, R. D. - PATEL, A. - PETRÍK, Kristián - VESELSKÝ, M. Nuclear structure of Au-181 studied via beta(+)/EC decay of Hg-181 at ISOLDE. In European Physical Journal A, 2020, vol. 56, 161. (2019: 2.176 - IF, Q2 - JCR, 0.991 - SJR, Q1 - SJR, karentované - CCC). (2020 - Current Contents, WOS, SCOPUS). ISSN 1434-6001. Dostupné na: <https://doi.org/10.1140/epja/s10050-020-00174-0>
- ADCA73 SEDLÁK, Michal - ZIMAN, Mário. Probabilistic storage and retrieval of qubit phase gates. In Physical Review A, 2020, vol. 102, no. 3, 032618. (2019: 2.777 - IF, Q2 - JCR, 1.416 - SJR, Q1 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.102.032618>
- ADCA74 SHAJI, Ashin - MICETIC, M. - HALAHOVETS, Yuriy - NÁDAŽDY, Peter - MAŤKO, Igor - JERGEL, Matej - MAJKOVÁ, Eva - ŠIFFALOVIČ, Peter**. Real-time tracking of the self-assembled growth of a 3D Ge quantum dot lattice in an alumina matrix. In Journal of Applied Crystallography, 2020, vol. 53, p. 1029-1038. (2019: 2.995 - IF, Q2 - JCR, 1.525 - SJR, Q1 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 0021-8898. Dostupné na: <https://doi.org/10.1107/S1600576720007815>
- ADCA75 SHARMA, Bhawna - THAKUR, Sourbh** - TRACHE, Djalal - NEZHAD, Hamed Yazdani - THAKUR, Vijay Kumar**. Microwave-Assisted Rapid Synthesis of Reduced Graphene Oxide-Based Gum Tragacanth Hydrogel Nanocomposite for Heavy Metal Ions Adsorption. In Nanomaterials-Basel, 2020, vol. 10, no. 8, 1616. (2019: 4.324 - IF, Q2 - JCR, 0.858 - SJR, Q1 - SJR, karentované - CCC). (2020 - Current Contents, WOS, SCOPUS). ISSN 2079-4991. Dostupné na: <https://doi.org/10.3390/nano10081616>
- ADCA76 SITEK, J.** - HOLKOVÁ, D. - BUTVINOVÁ, Beata - BUTVIN, Pavol - DEKAN, J. Magnetic properties of nanocrystalline Fe₈₃Sn₅B₁₂ alloys after electron irradiation of precursor. In Acta Physica Polonica A, 2020, vol. 137, no. 5, p. 824-826. (2019: 0.579 - IF, Q4 - JCR, 0.214 - SJR, Q3 - SJR, karentované - CCC). (2020 - Current Contents, WOS, SCOPUS). ISSN 1898-794X. Dostupné na: <https://doi.org/10.12693/APhysPolA.137.824>
- ADCA77 SIWAL, Samarjeet Singh - ZHANG, Qibo** - SUN, Changbin - THAKUR, Sourbh - GUPTA, Vijai Kumar - THAKUR, Vijay Kumar. Energy production from steam gasification processes and parameters that contemplate in biomass gasifier - A review. In Bioresource Technology, 2020, vol. 297, no. 12, 122481. (2019: 7.539 - IF, Q1 - JCR, 2.430 - SJR, Q1 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 0960-8524. Dostupné na: <https://doi.org/10.1016/j.biortech.2019.122481>
- ADCA78 SOUZA, Andre M. C.** - RAPČAN, Peter - TSALLIS, Constantino. Area-law-like

- systems with entangled states can preserve ergodicity. In The European Physical Journal Special Topics, 2020, vol. 229, no. 5, p. 759–772. (2019: 1.668 - IF, Q3 - JCR, 0.581 - SJR, Q2 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 1951-6355. Dostupné na: <https://doi.org/10.1140/epjst/e2020-900003-3>
- ADCA79 ŠAMAJ, Ladislav - TRULSSON, Martin - TRIZAC, Emmanuel. Strong-coupling theory of counterions with hard cores between symmetrically charged walls. In Physical Review E, 2020, vol. 102, no. 4, 042604. (2019: 2.296 - IF, Q1 - JCR, 0.958 - SJR, Q1 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 2470-0045. Dostupné na: <https://doi.org/10.1103/PhysRevE.102.042604>
- ADCA80 ŠAMAJ, Ladislav**. Short-Distance Symmetry of Pair Correlations in Two-Dimensional Jellium. In Journal of Statistical Physics, 2020, vol. 178, no. 1, p. 247-264. (2019: 1.243 - IF, Q3 - JCR, 0.742 - SJR, Q2 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 0022-4715. Dostupné na: <https://doi.org/10.1007/s10955-019-02430-0>
- ADCA81 ŠROBA, Viktor - FIANTOK, Tomáš - TRUCHLÝ, Martin - ROCH, Tomáš - ZAHORAN, Miroslav - GRANČIČ, Branislav - ŠVEC, Peter Jr. - NAGY, Štefan - IZAI, Vitalii - KÚŠ, Peter - MIKULA, Marian**. Structure evolution and mechanical properties of hard tantalum diboride films. In Journal of Vacuum Science and Technology A, 2020, vol. 38, no. 3, 033408. (2019: 2.166 - IF, Q3 - JCR, 0.588 - SJR, Q2 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 0734-2101. Dostupné na: <https://doi.org/10.1116/6.0000155>
- ADCA82 ŠVAJDLENKOVÁ, Helena** - KLEINOVÁ, Angela - ŠAUŠA, Ondrej - RUSNÁK, Jaroslav - DUNG, Tran Anh - KOCH, Thomas - KNAACK, Patrick**. Microstructural study of epoxy-based thermosets prepared by classical and cationic frontal polymerization. In RSC Advances, 2020, vol. 10, no., p. 41098-41109. (2019: 3.119 - IF, Q2 - JCR, 0.736 - SJR, Q1 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 2046-2069. Dostupné na: <https://doi.org/10.1039/d0ra08298h>
- ADCA83 THAKUR, Deepika - SHARMA, Anshu - AWASTHI, Abhishek - RANA, Dharmender Singh - SINGH, Dilbag - PANDEY, Sadanand** - THAKUR, Sourbh. Manganese-Doped Zinc Oxide Nanostructures as Potential Scaffold for Photocatalytic and Fluorescence Sensing Applications. In Chemosensors, 2020, vol. 8, no. 4, art. no. 120. (2019: 3.108 - IF, Q1 - JCR, 0.568 - SJR, Q2 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 2227-9040. Dostupné na: <https://doi.org/10.3390/chemosensors8040120>
- ADCA84 TIWARI, Rupali - BOHÁČ, Vlastimil - DIEŠKA, Peter - GÖTZL, Gregor. Thermophysical Parameters of Carbonate Rock estimated by Slab Model Developed for Pulse Transient Technique. In Measurement Science Review, 2020, vol. 20, no. 5, p. 218-223. (2019: 0.900 - IF, Q4 - JCR, 0.326 - SJR, Q3 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 1335-8871. Dostupné na: <https://doi.org/10.2478/msr-2020-0027>
- ADCA85 TOKÁROVÁ, Zita** - MAXIANOVÁ, Petra - VÁRY, Tomáš - NÁDAŽDY, Vojtech - VÉGH, Daniel - TOKÁR, Kamil. Thiophene-centered azomethines: Structure, photophysical and electronic properties. In Journal of Molecular Structure, 2020, vol. 1204, no. 12, 127492. (2019: 2.463 - IF, Q3 - JCR, 0.450 - SJR, Q2 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 0022-2860. Dostupné na: <https://doi.org/10.1016/j.molstruc.2019.127492>
- ADCA86 UEDA, Hiroshi - OKUNISHI, Kouichi - HARADA, Kenji - KRČMÁR, Roman - GENDIAR, Andrej - YUNOKI, Seiji - NISHINO, Tomotoshi. Finite-m scaling analysis of Berezinskii-Kosterlitz-Thouless phase transitions and entanglement spectrum for the six-state clock model. In Physical Review E, 2020, vol. 101, no. 6, 062111. (2019: 2.296 - IF, Q1 - JCR, 0.958 - SJR, Q1 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 2470-0045. Dostupné na:

- ADCA87 <https://doi.org/10.1103/PhysRevE.101.062111>
VENHART, Martin** - BALOGH, Matúš - HERZÁŇ, Andrej - WOOD, J.L. - ALI, F.A. - JOSS, D.T. - ANDREYEV, A.N. - AURANEN, K. - CARROLL, R.J. - DRUMMOND, M.C. - EASTON, J.L. - GREENLEES, P.T. - GRAHN, T. - GREDLEY, A. - HENDERSON, J. - JAKOBSSON, U. - JULIN, R. - JUUTINEN, S. - KONKI, J. - LAWRIE, E.A. - LEINO, M. - MATOUŠEK, Vladislav - MCPEAKE, C.G. - O'DONNELL, D. - PAGE, R.D. - PAKARINEN, J. - PAPADAKIS, P. - PARTANEN, J. - PEURA, P. - P. RAHKILA - RUOTSALAINEN, P. - SANDZELIUS, M. - SARÉN, J. - SAYGI, B. - SEDLÁK, Matúš - SCHOLEY, C. - SORRI, J. - STOLZE, S. - THORNTHWAITE, A. - URBAN, R. - UUSITALO, J. - VESELSKÝ, M. - WEARING, F.P. Population of a low-spin positive-parity band from high-spin intruder states in Au-177: The two-state mixing effect. In Physics Letters B : Nuclear, Elementary Particle and High-Energy Physics, 2020, vol. 806, no. 13, 135488. (2019: 4.384 - IF, Q1 - JCR, 1.795 - SJR, Q1 - SJR, karentované - CCC). (2020 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2020.135488>
- ADCA88 VERMA, Ankit - THAKUR, Sourbh** - MAMBA, Gcina - PRATEEK - GUPTA, Raju Kumar - THAKUR, Pankaj - THAKUR, Vijay Kumar. Graphite modified sodium alginate hydrogel composite for efficient removal of malachite green dye. In International Journal of Biological Macromolecules, 2020, vol. 148, p. 1130-1139. (2019: 5.162 - IF, Q1 - JCR, 0.972 - SJR, Q1 - SJR, karentované - CCC). (2020 - Current Contents, WOS, SCOPUS). ISSN 0141-8130. Dostupné na: <https://doi.org/10.1016/j.ijbiomac.2020.01.142>
- ADCA89 WEGNER, Wojciech - TOKÁR, Kamil - LORENZANA, Jose** - DERZSI, Mariana** - GROCHALA, Wojciech**. Gigantic work function in layered AgF2. In Physical Chemistry Chemical Physics, 2020, vol. 22, p. 21809-21815. (2019: 3.430 - IF, Q1 - JCR, 1.143 - SJR, Q1 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 1463-9076. Dostupné na: <https://doi.org/10.1039/d0cp03706k>
- ADCA90 YAKYMOVYCH, Andriy** - SLABON, Adam - ŠVEC, Peter - PLEVACHUK, Yuriy - OROVČÍK, Lubomír - BAJANA, Otto. Nanocomposite SAC solders: the effect of adding CoPd nanoparticles on the morphology and the shear strength of the Sn-3.0Ag-0.5Cu/Cu solder joints. In Applied Nanoscience, 2020, vol. 10, p. 4603-4607. (2019: 2.880 - IF, Q3 - JCR, 0.572 - SJR, Q2 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 2190-5509. Dostupné na: <https://doi.org/10.1007/s13204-020-01325-x> (VEGA č. 2/0172/16 : Štúdium termofyzikálnych vlastností kompozitov na báze TiB2 a ZrB2 s medenou matricou pre vysokoteplotné aplikácie)
- ADCA91 YUN, Jiyoung** - RAI, Ashutosh** - BAE, Joonwoo**. Nonlocal Network Coding in Interference Channels. In Physical Review Letters, 2020, vol. 125, no. 15, 150502. (2019: 8.385 - IF, Q1 - JCR, 3.588 - SJR, Q1 - SJR, karentované - CCC). (2020 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.125.150502>

ADDA Vedecké práce v domácich karentovaných časopisoch – impaktovaných

- ADDA01 NOVÁK, Ivan - ŠAUŠA, Ondrej - MAŤKO, Igor - BILGIN, Esra Simsek - BEREK, Dušan**. Microporous carbon fibers prepared by carbonization of cellulose as carriers of particles of active substances. In Chemical Papers, 2020, vol. 74, no. 4, p. 1359-1365. (2019: 1.680 - IF, Q3 - JCR, 0.331 - SJR, Q2 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 0366-6352. Dostupné na: <https://doi.org/10.1007/s11696-019-00972-x>

ADEB Vedecké práce v ostatných zahraničných časopisoch – neimpaktovaných

- ADEB01 HSU, Chen-Hsuan - RONETTI, Flavio - STAŇO, Peter - KLINOVAJA, Jelena - LOSS, Daniel. Universal conductance dips and fractional excitations in a two-subband quantum wire. In Physical Review Research, 2020, vol. 2, no. 4, art. no. 043208. ISSN 2643-1564.
- ADEB02 MUKHOPADHYAY, Chiranjib** - PATI, Arun Kumar - SAZIM, Sheik. Quantum addition imparts less disorder than mixing and commutes with incoherent channels. In IOP SciNotes, 2020, vol. 1, no. 2, art. no. 025212. ISSN 2633-1357. Dostupné na: <https://doi.org/10.1088/2633-1357/abb2af>
- ADEB03 VEDENEEV, V. Yu. - RODIN, A. M. - KRUPA, L. - KAMAS, Dušan - CHRNY SHEVA, E. V. - GULYAEV, A. V. - GOLIK, M. - KLIMAN, Ján - KOMAROV, A. B. - NOVOSELOV, A. S. - OPICHAL, A. - PECHOUSEK, J. - PODSHIBYAKIN, A. V. - SALAMATIN, V. S. - STEPANTSOV, C. V. - YUCHIMCHUK, S. A. Sečeniya obrazovaniya isparitel'nykh ostatkov reakcij polnogo slijanija $144\text{Sm}(40\text{Ar},x\text{n})$ 184-xHg , $148\text{Sm}(36\text{Ar},x\text{n})$ 184-xHg , $144\text{Nd}(40\text{Ar},x\text{n})$ 184-xHg = Cross sections of evaporation residues at complete fusion reactions $144\text{Sm}(40\text{Ar},x\text{n})$ 184-xHg , $148\text{Sm}(36\text{Ar},x\text{n})$ 184-xHg , $144\text{Nd}(40\text{Ar},x\text{n})$ 184-xHg . In Izvestiya Akademii nauk - Seriya Fizicheskaya, 2020, vol. 84, no. 4, p. 594-598. ISSN 0367-6765. Dostupné na: <https://doi.org/10.31857/S0367676520040377>

ADFB Vedecké práce v ostatných domácich časopisoch – neimpaktovaných

- ADFB01 LUBY, Štefan. Storočnica profesora Vladimíra Hajka. In Československý časopis pro fyziku, 2020, roč. 3, č. 70, s. 234-236. ISSN 0009-0700.
- ADFB02 LUBY, Štefan. Slovenské dotyky s nobelovými cenami. In Akadémia : správy SAV, 2020, roč. 56, č. 6, s. 24-26. ISSN 0139-6307.
- ADFB03 LUBY, Štefan**. Spomienka na prof. RNDr. Júliusa Krempaského, DrSc. In Obzory matematiky, fyziky a informatiky, 2020, vol. 2, no. 49, p. 62-65. ISSN 1335-4981.

ADMA Vedecké práce v zahraničných impaktovaných časopisoch registrovaných v databázach Web of Science alebo SCOPUS

- ADMA01 BUGÁROVÁ, Nikola** - ANNUŠOVÁ, Adriana - BODIK, Michal - ŠIFFALOVIC, Peter - LABUDOVÁ, Martina - KAJANOVÁ, Ivana - ZAŤOVIČOVÁ, Miriam - PASTOREKOVÁ, Silvia - MAJKOVÁ, Eva - OMASTOVÁ, Mária**. Molecular targeting of bioconjugated graphene oxide nanocarriers revealed at a cellular level using label-free Raman imaging. In Nanomedicine : nanotechnology, biology and medicine, 2020, vol. 30, 102280. (2019: 5.182 - IF, Q1 - JCR, 1.372 - SJR, Q1 - SJR). ISSN 1549-9634. Dostupné na: <https://doi.org/10.1016/j.nano.2020.102280> (APVV-14-0120 : Grafenova nanoplatforma na detekciu rakoviny. APVV-15-0641 : Inovatívna MoS2 platforma pre diagnózu a cielenú liečbu rakoviny)
- ADMA02 CHAUDHARY, Jyoti - THAKUR, Sourbh** - SHARMA, Minaxi - GUPTA, Vijai Kumar** - THAKUR, Vijay Kumar**. Development of Biodegradable Agar-Agar/Gelatin-Based Superabsorbent Hydrogel as an Efficient Moisture-Retaining Agent. In Biomolecules : Open Access Journal, 2020, vol. 10, no. 6, 939. (2019: 4.082 - IF, Q2 - JCR, 1.614 - SJR, Q1 - SJR). ISSN 2218-273X. Dostupné na: <https://doi.org/10.3390/biom10060939>
- ADMA03 KÁLOSI, Anna** - LABUDOVÁ, Martina - ANNUŠOVÁ, Adriana - BENKOVIČOVÁ, Monika - BODIK, Michal - KOLLÁR, Jozef - KOTLÁR, Mário - KASÁK, Peter - JERGEL, Matej - PASTOREKOVÁ, Silvia - ŠIFFALOVIC, Peter - MAJKOVÁ, Eva. A bioconjugated MoS2 based nanoplatform with increased

- binding efficiency to cancer cells. In Biomaterials Science, 2020, vol. 8, no. 7, p. 1973-1980. (2019: 6.183 - IF, Q1 - JCR, 1.437 - SJR, Q1 - SJR). ISSN 2047-4849. Dostupné na: <https://doi.org/10.1039/c9bm01975h> (APVV-15-0641 : Inovatívna MoS2 platforma pre diagnózu a cielenú liečbu rakoviny. ITMS 26240220087 : Univerzitný vedecký park pre biomedicínu Bratislava. ITMS2014+: 313021T081 : Vybudovanie Centra pre využitie pokročilých materiálov Slovenskej akadémie vied)
- ADMA04 KITYK, A.** - DANILOV, F.I. - PROTSSENKO, V. - PAVLÍK, Viliam - BOČA, Miroslav - HALAHOVETS, Yuriy. Electropolishing of two kinds of bronze in a deep eutectic solvent (Ethaline). In Surface & Coatings Technology, 2020, vol. 397, no., p. 126060-1-126060-9. (2019: 3.784 - IF, Q1 - JCR, 0.938 - SJR, Q1 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 0257-8972. Dostupné na: <https://doi.org/10.1016/j.surfcoat.2020.126060>
- ADMA05 ŠAMAJ, Ladislav**. Attraction of Like-Charged Walls with Counterions Only: Exact Results for the 2D Cylinder Geometry. In Journal of Statistical Physics, 2020, vol. 181, no. 5, p. 1699-1729. (2019: 1.243 - IF, Q3 - JCR, 0.742 - SJR, Q2 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 0022-4715. Dostupné na: <https://doi.org/10.1007/s10955-020-02642-9>
- ADMA06 VALENCIA, Natalia Herrera - SRIVASTAV, Vatshal - PIVOLUSKA, Matej - HUBER, Marcus - FRIIS, Nicolai - MCCUTCHEON, Will - MALIK, Mehul. High-Dimensional Pixel Entanglement: Efficient Generation and Certification. In Quantum : the open journal for quantum science, 2020, vol. 4, p. 376. (2019: 5.381 - IF, Q1 - JCR, karentované - CCC). (2020 - Current Contents). ISSN 2521-327X. Dostupné na: <https://doi.org/10.22331/q-2020-12-24-376>

ADMB Vedecké práce v zahraničných neimpaktovaných časopisoch registrovaných v databázach Web of Science alebo SCOPUS

- ADMB01 ADAMUŠČIN, Cyril - DUBNIČKA, Stanislav - DUBNIČKOVÁ, Anna Zuzana. Signs of Universal Vector-Meson Coupling Constants $f\rho(0)$, $f\omega$, $f\phi$ with Photon. In Acta Physica Polonica B- Proceedings Supplement, 2020, vol. 13, no. 1, p. 25-31. (2019: 0.173 - SJR, Q4 - SJR). ISSN 1899-2358. Dostupné na: <https://doi.org/10.5506/APhysPolBSupp.13.25>
- ADMB02 BOHÁČ, Vlastimil** - PAVLEDOVÁ, Gabriela** - TIWARI, Rupali** - ŠÍN, Peter**. Thermophysical Properties of Concrete Measured by the Pulse Transient Method Using Slab and Cuboid Models. In AIP Conference Proceedings, 2020, vol. 2305, 020002. (2019: 0.190 - SJR). ISSN 0094-243X. Dostupné na: <https://doi.org/10.1063/5.0035310>
- ADMB03 DUBNIČKOVÁ, Anna Zuzana - DUBNIČKA, Stanislav - LIPTAJ, Andrej. New Approach in Knowledge of $a(\mu)(LO)_{had}$ Value to the Muon $g-2$ Anomaly. In Acta Physica Polonica B- Proceedings Supplement, 2020, vol. 13, no. 1, p. 17-23. (2019: 0.173 - SJR, Q4 - SJR). ISSN 1899-2358. Dostupné na: <https://doi.org/10.5506/APhysPolBSupp.13.17>
- ADMB04 KAVETSKYY, T.** - FINK, D. - KIV, A. - BONDARUK, Yu. - ŠAUŠA, Ondrej - KUKHAZH, Y. - ZUBRYTSKA, K. - SMUTOK, O. - GONCHAR, M. Polymer Lattice and Track Nanostructures to Create Novel Biosensors. In NATO Science for Peace and Security Series A: Chemistry and Biology, 2020, chapter 19, p. 267-273. (2019: 0.111 - SJR, Q4 - SJR). ISSN 1874-6489. Dostupné na: https://doi.org/10.1007/978-94-024-2030-2_19
- ADMB05 KOVÁČOVÁ, Mária* - BODIK, Michal* - MIČUŠÍK, Matej - HUMPOLÍČEK, Petr - ŠIFFALOVIČ, Peter - ŠPÍTÁLSKY, Zdenko**. Increasing the effectivity of the antimicrobial surface of carbon quantum dots-based nanocomposite by atmospheric pressure plasma. In Clinical Plasma Medicine, 2020, vol. 19-20, art. no.

- 100111, [7] p. (2019: 1.049 - SJR, Q1 - SJR). ISSN 2452-0896. Dostupné na: <https://doi.org/10.1016/j.cpme.2020.100111>
- ADMB06 MIHALKOVIČ, Marek** - WIDOM, Michael**. Spontaneous formation of thermodynamically stable Al-Cu-Fe icosahedral quasicrystal from realistic atomistic simulations. In Physical Review Research, 2020, vol. 2, no. 1, art. no. 013196. ISSN 2643-1564. Dostupné na: <https://doi.org/10.1103/PhysRevResearch.2.013196>
- ADMB07 MUKHOPADHYAY, Chiranjib - PATI, Arun Kumar**. Superposition of causal order enables quantum advantage in teleportation under very noisy channels. In Journal of Physics Communications, 2020, vol. 4, no. 10, 105003. (2019: 0.430 - SJR, Q3 - SJR). ISSN 2399-6528. Dostupné na: <https://doi.org/10.1088/2399-6528/abbd77>
- ADMB08 RODIN, A. M. - VEDENEEV, V. Yu. - GULYAEV, A. V. - HOLIK, M. - KAMAS, Dušan - KLIMAN, Ján - KOMAROV, A. B. - KRUPA, L. - NOVOSELOV, A. S. - OPÍČHAL, A. - PECHOUSEK, J. - PODSHIBYAKIN, A. V. - SALAMATIN, V. S. - STEPANTSOV, S. V. - CHERNYSHEVA, E. V.** - YUKHIMCHU, S. A. Optimizing the Solid-State ISOL Technique for Separating Volatile Products of Complete Fusion Reactions. In Bulletin of the Russian Academy of Sciences: Physics, 2020, vol. 84, no. 4, p. 430-435. (2019: 0.226 - SJR, Q3 - SJR). ISSN 1062-8738. Dostupné na: <https://doi.org/10.3103/S1062873820040218>
- ADMB09 SINGH, Vipin Kumar - MIHALKOVIČ, Marek** - KRAJČÍ, Marián** - SARKAR, Shuvam - SADHUKHAN, Pampa - MANIRAJ, M. - RAI, Abhishek - PUSSI, Katariina - SCHLAGEL, Deborah L. - LOGRASSO, Thomas A. - SHUKLA, Ajay Kumar - BARMAN, Sudipta Roy**. Quasiperiodic ordering in thick Sn layer on i-Al-Pd-Mn: A possible quasicrystalline clathrate. In Physical Review Research, 2020, vol. 2, no. 1, art. no. 013023. ISSN 2643-1564. Dostupné na: <https://doi.org/10.1103/PhysRevResearch.2.013023>
- ADMB10 TIWARI, Rupali** - BOHÁČ, Vlastimil** - DIEŠKA, Peter - GÖTZL, Gregor. Thermal properties of limestone rock by pulse transient technique using slab model accounting the heat transfer coefficient and heat capacity of heat source. In AIP Conference Proceedings, 2020, vol. 2305, 020020. (2019: 0.190 - SJR). ISSN 0094-243X. Dostupné na: <https://doi.org/10.1063/5.0033924>

ADNA Vedecké práce v domácich impaktovaných časopisoch registrovaných v databázach Web of Science alebo SCOPUS

- ADNA01 KRÁLIK, Martin** - GORAUS, Matej - PINČÍK, Emil. Optical properties of electrochemically etched N-type silicon wafers for solar cell applications. In Journal of Electrical Engineering, 2020, vol. 71, no. 6, p. 406-412. (2019: 0.686 - IF, Q4 - JCR, 0.204 - SJR, Q3 - SJR). (2020 - SCOPUS, WOS). ISSN 1335-3632. Dostupné na: <https://doi.org/10.2478/jee-2020-0055>

AFB Publikované pozvané príspevky na domácich vedeckých konferenciách

- AFB01 LUBY, Štefan. Graphene at the crossroads. In Proceedings of the International Conference on Advances in Electronic and Photonic Technologies : ADEPT 2020. - Slovakia : University of Zilina in EDIS-Publishing Centre of UZ, 2020, p. 15-20. ISBN 978-80-554-1735-6.
- AFB02 OMASTOVÁ, Mária** - MIČUŠÍK, Matej - PROCHÁZKA, Michal - STEPURA, Anastasiia - SOYKA, Yaryna - ŠLOUF, Miroslav - ŠIFFALOVIČ, Peter - MAJKOVÁ, Eva. New hybrid materials and their applications. In PMA 2020 & SRC 2020 : International Conference on Polymeric Materials in Automotive & 24th Slovak Rubber Conference : book of proceedings. - Bratislava : Faculty of Chemical

- and Food Technology, Slovak University of Technology, 2020, p. 20 - 22. ISBN 978-80-89841-13-4. (International Conference on Polymeric Materials in Automotive & 24th Slovak Rubber Conference : PMA 2020 & SRC 2020)
- AFB03 ŠVEC, Peter Jr. - JANOTOVÁ, Irena - JANIČKOVIČ, Dušan - MAŤKO, Igor - BUTVINOVÁ, Beata - FOS, Alen - KUNCA, Branislav - JERGEL, Matej - ŠKORVÁNEK, Ivan - FRANKO, M. - LUBY, Štefan - ŠVEC, Peter. Rare-earth free nanocrystalline magnetics from rapidly quenched precursors. In BRUNNER, Róbert. Proceedings of 11th Solid State Surfaces and Interfaces : (Extended Abstract Book). - Bratislava, Slovak Republic : Comenius University Bratislava, 2020, p. 96-98. ISBN 978-80-223-5018-1.

AFC Publikované príspevky na zahraničných vedeckých konferenciách

- AFC01 ADAMUŠČIN, Cyril - BARTOŠ, Erik - DUBNIČKA, Stanislav - LIPTAJ, Andrej - DUBNIČKOVÁ, A.-Z. Electromagnetic structure of mesons and baryons. In 20th Conference of Czech and Slovak Physicists : Proceedings. - Košice, Slovakia : Slovak Physical Society, Czech Physical Society, 2020, p. 7-12. ISBN 978-80-89855-13-1.
- AFC02 GMUCOVÁ, Katarína - VÉGSO, Karol - VÁRY, Tomáš - NÁDAŽDY, Vojtech. Comparative electrochemical, optical and X-ray studies of polyfluorene and fluorene-based alternating copolymer. In 20th Conference of Czech and Slovak Physicists : Proceedings. - Košice, Slovakia : Slovak Physical Society, Czech Physical Society, 2020, p. 79-80. ISBN 978-80-89855-13-1.
- AFC03 CHERNYSHEVA, E. V. - RODIN, A. M. - DMITRIEV, S. N. - GULYAEV, A. V. - KOMAROV, A. B. - NOVOSELOV, A. S. - OGANESSIAN, Yu. Ts. - PODSHIBYAKIN, A. V. - SALAMATIN, V. S. - STEPANTSOV, S. V. - VEDENEEV, V. Yu. - YUKHIMCHUK, S. A. - KRUPA, I. - HOLIK, M. - POSPISIL, S. - STEKL, I. - KLIMAN, Ján - KAMAS, Dušan - OPICHAL, A. - PECHOUSEK, J. - MAHER, A. Determination of Separation Efficiency of the Mass-Spectrometer MASHA by means of Measurements of Absolute Cross-Sections of Evaporation Residues. In Exotic Nuclei (EXON 2018) : Proceedings of the International Symposium on Exotic Nuclei. - Singapore : World Scientific Publishing Co., Pte., Ltd., 2020, p. 386-390. ISBN 978-981-120-944-4.
- AFC04 KADLEČIKOVÁ, M. - BREZA, J. - RADITSCHOVÁ, J. - VANČO, Ľ. - BUTVINOVÁ, Beata. Transformer fault detection based on Raman analysis of the transformer oil (A case study). In ElectroScope : online časopis, 2020, no. 1. ISSN 1802-4564. Dostupné na internete: <http://ek702p10-ket.fel.zcu.cz/index.php?option=com_content&view=article&id=535:transformer-fault-detection-based-on-raman-analysis-of-the-transformer-oil-a-case-study&catid=65:2020-12-13-21-27-41&Itemid=60>
- AFC05 NOVOSELOV, A. S. - RODIN, A. M. - CHERNYSHEVA, E. V. - DMITRIEV, S. N. - GULYAEV, A. V. - KOMAROV, A. B. - OGANESSIAN, Yu. Ts. - PODSHIBYAKIN, A. V. - SALAMATIN, V. S. - STEPANTSOV, S. V. - VEDENEEV, V. Yu. - YUKHIMCHUK, S. A. - KRUPA, I. - HOLIK, M. - KLIMAN, Ján - KAMAS, Dušan - OPICHAL, A. - PECHOUSEK, J. Control and Data Acquisition Systems at the MASHA Setup. In Exotic Nuclei (EXON 2018) : Proceedings of the International Symposium on Exotic Nuclei. - Singapore : World Scientific Publishing Co., Pte., Ltd., 2020, p. 427-430. ISBN 978-981-120-944-4.
- AFC06 RODIN, A. M. - CHERNYSHEVA, E. V. - DMITRIEV, S. N. - GULYAEV, A. V. - KAMAS, Dušan - KLIMAN, Ján - KRUPA, I. - NOVOSELOV, A. S. - OGANESSIAN, Yu. Ts. - OPICHAL, A. - PODSHIBYAKIN, A. V. - SALAMATIN, V. S. - STEPANTSOV, S. V. - VEDENEEV, V. Yu. - YUKHIMCHUK, S. A. Features

of the Solid-State ISOL Method for Fusion Evaporation Reactions Induced by Heavy Ions. In Exotic Nuclei (EXON 2018) : Proceedings of the International Symposium on Exotic Nuclei. - Singapore : World Scientific Publishing Co., Pte., Ltd., 2020, p. 437-443. ISBN 978-981-120-944-4.

- AFC07 ŠINDLER, M. - PLESCH, Martin - FRANTA, P. - DROZD, B. Odhad účinnosti a detekovateľnosti hromadného značenia juvenilov jesetera malého (*A. ruthenus*) pomocou alizarínovej červene S pre manažment obnovy druhu v slovenskom úseku Dunaja. In XVII. Rybárska a ichthyologická konferencia : Sborník príspevků, 7 s. ISBN 978-80-86668-65-9.

AFD Publikované príspevky na domácich vedeckých konferenciách

- AFD01 LUBY, Štefan - ŠVEC, Peter - ŠVEC, Peter Jr. - BENKOVIČOVÁ, Monika - NOVÁK, Igor. Thermally stable Fe₂O₃ nanoparticles with low size dispersion for gas sensing applications. In Proceedings of the International Conference on Advances in Electronic and Photonic Technologies : ADEPT 2020. - Slovakia : University of Zilina in EDIS-Publishing Centre of UZ, 2020, p. 175-178. ISBN 978-80-554-1735-6.
- AFD02 PINČÍK, Emil - VOJTEK, Pavel - BAČOVÁ, Silvia - JUREČKA, Stanislav - BRUNNER, Róbert - ZÁBUDLÁ, Zuzana - GREGUŠ, Ján. Preface. In BRUNNER, Róbert. Proceedings of 11th Solid State Surfaces and Interfaces : (Extended Abstract Book). - Bratislava, Slovak Republic : Comenius University Bratislava, 2020, p. 10-12. ISBN 978-80-223-5018-1.
- AFD03 ZÁPRAŽNÝ, Zdenko - KORYTÁR, Dušan - ZAŤKO, Bohumír - JERSEL, Matej - HALAHOVETS, Yuriy - DOBROVODSKÝ, Jozef - NOGA, Pavol. Study of subsurface damage in Ge optics machined by SPDT. In ASDAM 2020 : 13th International Conference on Advanced Semiconductor Devices and Microsystems. Eds. T. Izsák, G. Vanko. - IEEE, 2020, p. 152-156. ISBN 978-1-7281-9776-0.

AFG Abstrakty príspevkov zo zahraničných konferencií

- AFG01 BUGÁROVÁ, Nikola** - ANNUŠOVÁ, Adriana - BODIK, Michal - ŠIFFALOVIC, Peter - LABUDO VÁ, Martina - KAJANOVÁ, Ivana - ZAŤOVIČOVÁ, Miriam - PASTOREKOVÁ, Silvia - OMASTOVÁ, Mária. Konfokálna Ramanova mikroskopia biokonjugovaného grafén-oxidového nosiča v bunkách. In Czech Chemical Society Symposium Series. - Praha, ČR : Czech Chemical Society, 2020, vol. 18, no. 3, p. 88. ISSN 2336-7202. (Sjezd českých a slovenských chemických spoločností)

AFH Abstrakty príspevkov z domácich konferencií

- AFH01 BALOGH, Róbert - DANKO, Martin - ECKSTEIN ANDICSOVÁ, Anita - TOKÁR, Kamil. Syntéza a štúdium nových derivátov obsahujúcich tiazolo[5,4-d]tiazolové a oxadiazolové jednotky ako potenciálne elektrón transportné vrstvy. In PREVEDA : interaktívna konferencia mladých vedcov 2020. Book of abstracts. - Bratislava : Občianske združenie Preveda, 2020, abstract no. 1926. ISBN 978-80-972360-6-9. (Interaktívna konferencia mladých vedcov 2020 : PREVEDA)
- AFH02 KLBIK, Ivan - MAŤKO, Igor - ŠAUŠA, Ondrej - ČECHOVÁ, Katarína - MELICHERČÍK, M. Effect of dimethyl sulfoxide on phase behaviour of liposomes as a model for cryopreservation of biological cells studied by calorimetry, positron annihilation and molecular dynamics simulations. In 9th Slovak Biophysical Symposium : Book of Contributions. - Slovakia : Slovak Biophysical Society, 2020,

- p. 72. ISBN 978-80-973719-0-6.
- AFH03 KOPANI, M. - MIKULA, M. - KOSNAC, D. - GREGUS, J. - BAČOVÁ, Silvia - ZITTO, Peter - PINČÍK, Emil. Structure and photoluminescence of n-type porous silicon. In BRUNNER, Róbert. Proceedings of 11th Solid State Surfaces and Interfaces : (Extended Abstract Book). - Bratislava, Slovak Republic : Comenius University Bratislava, 2020, p. 47-49. ISBN 978-80-223-5018-1.
- AFH04 PINČÍK, Emil - KOBAYASHI, Hikaru - BRUNNER, Róbert - VOJTEK, Pavel - TAKAHASHI, Masao - ZÁBUDLÁ, Zuzana - IMAMURA, Kentaro - GREGUŠ, Jan - KUČERA, Michal. Comparison of photoluminescence of catalytic black silicon and standard electrochemical porous silicon. In BRUNNER, Róbert. Proceedings of 11th Solid State Surfaces and Interfaces : (Extended Abstract Book). - Bratislava, Slovak Republic : Comenius University Bratislava, 2020, p. 70-71. ISBN 978-80-223-5018-1.
- AFH05 PINČÍK, Emil - BAČOVÁ, Silvia - VOJTEK, Pavel - BRUNNER, Róbert - ZÁBUDLÁ, Zuzana - GREGUŠ, Jan. Red shift of the photoluminescence signal of porous P-type c-Si. In BRUNNER, Róbert. Proceedings of 11th Solid State Surfaces and Interfaces : (Extended Abstract Book). - Bratislava, Slovak Republic : Comenius University Bratislava, 2020, p. 72-73. ISBN 978-80-223-5018-1.
- AFH06 PINČÍK, Emil - KOBAYASHI, Hikaru - TAKAHASHI, Masao - MIKULA, Milan - VOJTEK, Pavel - ZÁBUDLÁ, Zuzana - BRUNNER, Róbert - GREGUŠ, Jan. Si-based porous solar cells and CN-based passivation. In BRUNNER, Róbert. Proceedings of 11th Solid State Surfaces and Interfaces : (Extended Abstract Book). - Bratislava, Slovak Republic : Comenius University Bratislava, 2020, p. 75. ISBN 978-80-223-5018-1.
- AFH07 PINČÍK, Emil - BAČOVÁ, Silvia - VOJTEK, Pavel - BRUNNER, Róbert - ZÁBUDLÁ, Zuzana - GREGUŠ, Jan. Photoluminescence of high doped multicrystalline porous Si. In BRUNNER, Róbert. Proceedings of 11th Solid State Surfaces and Interfaces : (Extended Abstract Book). - Bratislava, Slovak Republic : Comenius University Bratislava, 2020, p. 74. ISBN 978-80-223-5018-1.
- AFH08 ŠVAJDLENKOVÁ, Helena** - ŠAUŠA, Ondrej - BARTOŠ, Josef. ESR, PALS and BDS characterization of confined organics in inorganic matrices: Effect of polarity of systems components, pore size, composition and topology of matrices. In Polyméry 2020 : XI. Slovensko - Česká konferencia : kniha príspevkov a program. - Bratislava : Ústav polymérov SAV, 2020, s. 78-80. ISBN 978-80-89841-14-1. Dostupné na internete: <polymer.sav.sk/polymery2020/documents/Kniha%20prispevkov_Polymery2020.pdf> (Polyméry 2020 : Slovensko-Česká konferencia)

FAI Zostavovateľské práce knižného charakteru (bibliografie, encyklopédie, katalógy, slovníky, zborníky, atlasy ...)

- FAI01 BRUNNER, Róbert. Proceedings of 11th Solid State Surfaces and Interfaces : (Extended Abstract Book). Bratislava, Slovak Republic : Comenius University Bratislava, 2020. 108 p. ISBN 978-80-223-5018-1
- FAI02 Slovenské vesmírne odyssey : (spomienky a prognózy pri príležitosti 20. výročia slovenského letu na stanicu Mir). Eds. Štefan Luby, Branislav Peťko ; rec. Ján Slezák, Ján Svoreň. Bratislava : Veda, 2020. 167 s. ISBN 978-80-224-1803-4

Ohlasy (citácie):

ABC Kapitoly vo vedeckých monografiách vydané v zahraničných vydavateľstvách

- ABC01 KONOPIKA, Martin - TURANSKY, Robert - DOLTSINIS, Nikos L. - MARX, Dominik - ŠTICH, Ivan. Azobenzene–Metal Junction as a Mechanically and Opto–Mechanically Driven Switch. In High Performance Computing in Science and Engineering 2008. Transactions of the High Performance Computing Center Stuttgart (HLRS). - Berlin : Springer Verlag, 2008. S. 95-108. ISBN 978-3-540-88301-2. Dostupné na: <https://doi.org/10.1007/978-3-540-88303-6-8>
Citácie:
1. [1.1] BOLNYKH, Viacheslav - OLSEN, Jogvan Magnus Haugaard - MELONI, Simone - BIRCHER, Martin P. - IPPOLITI, Emiliano - CARLONI, Paolo - ROTHLSBERGER, Ursula. Extreme Scalability of DFT-Based QM/MM MD Simulations Using MiMiC. In JOURNAL OF CHEMICAL THEORY AND COMPUTATION. ISSN 1549-9618, 2019, vol. 15, no. 10, pp. 5601-5613., Registrované v: WOS
- ABC02 LÁNYI, Štefan. Application of scanning capacitance microscopy to analysis at the nanoscale. In Applied Scanning Probe Methods VIII. Scanning Probe Microscopy Techniques. - Berlin : Springer-Verlag, 2008. S. 377-420. ISBN 978-3-540-74080-3.
Citácie:
1. [1.1] GAINUTDINOV, R. - TOLSTIKHINA, A. L. - LASHKOVA, A. K. - BELUGINA, N. - SHUT, V. N. - MOZZHAROV, S. E. - KASHEVICH, I. F. Application of Scanning Capacitance Force Microscopy for Detecting Impurity Phases in Ferroelectric Triglycine Sulfate. In TECHNICAL PHYSICS. ISSN 1063-7842, 2019, vol. 64, no. 11, pp. 1602-1608., Registrované v: WOS
2. [1.1] GAINUTDINOV, R. V. - BELUGINA, N. V. - LASHKOVA, A. K. - SHUT, V. N. - KASHEVICH, I. F. - MOZZHAROV, S. E. - TOLSTIKHINA, A. L. Scanning capacitance microscopy of TGS TGS plus Cr ferroelectric crystals. In FERROELECTRICS. ISSN 0015-0193, 2019, vol. 541, no. 1, pp. 39-46., Registrované v: WOS
- ABC03 LUBY, Štefan - LUBYOVÁ, Martina - ŠIFFALOVICH, Peter - JERGEL, Matej - MAJKOVÁ, Eva. A Brief History of Nanoscience and Foresight in Nanotechnology : Chapter 4. In Nanomaterials and Nanoarchitectures : A Complex Review of Current Hot Topics and their Applications proceedings of the NATO Advanced Study Institute on Nanomaterials and Nanoarchitectures : Proceedings of the NATO Advanced Study Institute on Nanomaterials and Nanoarchitectures. - Dordrecht : Springer, 2015, p. 63-86. ISBN 978-94-017-9937-9. Dostupné na: https://doi.org/10.1007/978-94-017-9921-8_4 (Centrum strategických analýz (CESTA))
Citácie:
1. [1.1] GONG, Jixian, LIU, Jiayin, TAN, Xueqiang, LI, Zheng, LI, Qiujin, ZHANG, Jianfei. Bio-Preparation and Regulation of Pyrrole Structure Nano-Pigment Based on Biomimetic Membrane. In Nanomaterials, ISSN 2079-4991. 2019, vol. 9, no. 1, Article Number: 114., Registrované v: WOS
- ABC04 ŠIFFALOVICH, Peter - VÉGSO, Karol - HODAS, Martin - JERGEL, Matej - HALAHOVETS, Yuriy - PELLETTA, Marco - KORYTÁR, Dušan - ZÁPRAŽNÝ, Zdenko - MAJKOVÁ, Eva. In situ x-ray reciprocal space mapping for characterization of nanomaterials. In X-ray and neutron techniques for nanomaterials characterization. - Berlin : Springer, 2016, p. 507-544. ISBN 978-3-662-48604-7.
Citácie:
1. [1.1] NSABIMANA, A. - XU, G.B. Design of Metal-free Nanocatalysts. In NANOPARTICLE DESIGN AND CHARACTERIZATION FOR CATALYTIC APPLICATIONS IN SUSTAINABLE CHEMISTRY. ISSN 1757-6725, 2019, vol.

***ADC Vedecké práce v zahraničných karentovaných časopisoch**

- ADC01 BOUDA, J. - BUŽEK, Vladimír. Purification and correlated measurements of bipartite mixed states. In *Physical Review A*, 2002, vol. 65, no. 3, p. 034304. ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.65.034304>
Citácie:
1. [1.1] UDAYAKUMAR, Pavithra - KUMAR-ESLAMI, Preethika. Kraus operator formalism for quantum multiplexer operations for arbitrary two-qubit mixed states. In *QUANTUM INFORMATION PROCESSING*. ISSN 1570-0755, 2019, vol. 18, no. 12, 361., Registrované v: WOS
- ADC02 KRAUS, L. - ŠVEC, Peter. Magnetoelastic hysteresis of amorphous ribbons. In *Journal of Applied Physics*, 2003, vol. 93, no. 10, p. 7220-7222. (2002: 2.281 - IF, karentované - CCC). (2003 - Current Contents, WOS, SCOPUS). ISSN 0021-8979. Dostupné na: <https://doi.org/10.1063/1.1540043>
Citácie:
1. [1.1] NOWICKI, Michal - GAZDA, Piotr - SZEWCZYK, Roman - MARUSENKOV, Andriy - NOSENKO, Anton - KYRYLCHUK, Vasyl. Strain Dependence of Hysteretic Giant Magnetoimpedance Effect in Co-Based Amorphous Ribbon. In *MATERIALS*, 2019, vol. 12, no. 13, 2110., Registrované v: WOS
2. [1.1] NOWICKI, Michal. A Modified Impedance-Frequency Converter for Inexpensive Inductive and Resistive Sensor Applications. In *SENSORS*. ISSN 1424-8220, 2019, vol. 19, no. 1, 121., Registrované v: WOS
3. [1.1] NOWICKI, Michal. Stress Dependence of the Small Angle Magnetization Rotation Signal in Commercial Amorphous Ribbons. In *MATERIALS*, 2019, vol. 12, no. 18, 2908., Registrované v: WOS

ADCA Vedecké práce v zahraničných karentovaných časopisoch – impaktovaných

- ADCA01 ABDELWAHAB, N.M. - ADAMCZYK, L. - ADKINS, J.K. - AGAKISHIEV, G. - AGGARWAL, M.M. - FILIP, Peter. Isolation of flow and nonflow correlations by two- and four-particle cumulant measurements of azimuthal harmonics in root $s(\text{NN})=200$ GeV Au+Au collisions. In *Physics Letters B*, 2015, vol. 745, p. 40-47. (2014: 6.131 - IF, Q1 - JCR, 3.562 - SJR, Q1 - SJR, karentované - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2015.04.033>
Citácie:
1. [1.1] ZHAO, Jie - WANG, Fuqiang. Experimental searches for the chiral magnetic effect in heavy-ion collisions. In *PROGRESS IN PARTICLE AND NUCLEAR PHYSICS*. ISSN 0146-6410, 2019, vol. 107, pp. 200-236., Registrované v: WOS
- ADCA02 ABELEV, B. - AGGARWAL, M.M. - AHAMMED, Z. - ANDERSON, B.D. - ARKHIPKIN, D. - FILIP, Peter. Strange baryon resonance production in root $s(\text{NN})=200$ GeV p+p and Au+Au collisions. In *Physical Review Letters*, 2006, vol. 97, no. 13, 132301. (2005: 7.489 - IF, Q1 - JCR, 4.082 - SJR, Q1 - SJR, karentované - CCC). (2006 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.97.132301>
Citácie:
1. [1.1] ACHARYA, S. - ACOSTA, F. T. - ADAMOVA, D. - et al. Production of the $\rho(770)(0)$ meson in pp and Pb-Pb collisions at root $S\text{-NN}=2.76$ TeV. In

PHYSICAL REVIEW C, 2019, vol. 99, no. 6, UNSP 064901., Registrované v: WOS

2. [1.1] ACHARYA, S. - ADAMOVA, D. - ADOLFSSON, J. - et al. *Suppression of Lambda(1520) resonance production in central Pb-Pb collisions at root S-NN=2.76 TeV*. In *PHYSICAL REVIEW C*, 2019, vol. 99, no. 2, 024905., Registrované v: WOS

3. [1.1] ALBUQUERQUE, D. S. D. - ACHARYA, S. - ACOSTA, F. T. - et al. *Hadronic resonances, strange and multi-strange particle production in Xe-Xe and Pb-Pb collisions with ALICE at the LHC*. In *NUCLEAR PHYSICS A*, 2019, vol. 982, pp. 823-826., Registrované v: WOS

4. [1.1] RIABOV, V. G. *Overview of ALICE results on light flavour hadron production*. In *4TH INTERNATIONAL CONFERENCE ON PARTICLE PHYSICS AND ASTROPHYSICS (ICPPA-2018)*. ISSN 1742-6588, 2019, vol. 1390., Registrované v: WOS

ADCA03 ABELEV, B.I. - AGGARWAL, M.M. - AHAMMED, Z. - ANDERSON, B.D. - ARKHIPKIN, D. - FILIP, Peter. *rho(0) photoproduction in ultraperipheral relativistic heavy ion collisions at root s(NN)=200 GeV*. In *Physical Review C*, 2008, vol. 77, no. 3, 034910. ISSN 0556-2813. Dostupné na: <https://doi.org/10.1103/PhysRevC.77.034910>

Citácie:

1. [1.1] GUZEY, V - KLASSEN, M. *Inclusive dijet photoproduction in ultraperipheral heavy ion collisions at the CERN Large Hadron Collider in next-to-leading order QCD*. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 99, no. 6, 065202., Registrované v: WOS

2. [1.1] KHOZE, V. A. - MARTIN, A. D. - RYSKIN, M. G. *Exclusive vector meson production in heavy ion collisions*. In *JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS*. ISSN 0954-3899, 2019, vol. 46, no. 8, 085002., Registrované v: WOS

3. [1.1] LOMNITZ, Michael - KLEIN, Spencer. *Exclusive vector meson production at an electron-ion collider*. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 99, no. 1, 015203., Registrované v: WOS

4. [1.1] SIRUNYAN, A. M. - TUMASYAN, A. - ADAM, W. - et al. *Measurement of exclusive rho(770)(0) photoproduction in ultraperipheral pPb collisions at root s(NN)=5.02 TeV*. In *EUROPEAN PHYSICAL JOURNAL C*, 2019, vol. 79, no. 8, 702., Registrované v: WOS

ADCA04 ABELEV, B.I. - AGGARWAL, M.M. - AHAMMED, Z. - ANDERSON, B.D. - ARKHIPKIN, D. - FILIP, Peter. *Centrality dependence of charged hadron and strange hadron elliptic flow from root s(NN)=200 GeV Au+Au collisions*. In *Physical Review C*, 2008, vol. 77, no. 5, 054901. (2007: 3.302 - SJR, Q1 - SJR, karentované - CCC). (2008 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.77.054901>

Citácie:

1. [1.1] KURKELA, Aleksi - WIEDEMANN, Urs Achim - WU, Bin. *Flow in AA and pA as an interplay of fluid-like and non-fluid like excitations*. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2019, vol. 79, no. 11, 965., Registrované v: WOS

2. [1.1] PARRA, R. A. - UDDIN, S. - INAM-UL BASHIR - NANDA, H. - BASHIR, W. - AHMAD, R. *Study of Pion Transverse Momentum Distributions in Ultra-Relativistic Heavy Ion Collisions: A USTFM Approach*. In *JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS*. ISSN 1063-7761, 2019, vol. 129, no. 2, pp. 217-228., Registrované v: WOS

3. [1.1] RISTEA, O. - RISTEA, C. - JIPA, A. - PETRUSE, T. - ESANU, T. - CALIN,

M. FLOW STUDIES IN NUCLEUS-NUCLEUS COLLISIONS AT FAIR-GSI AVAILABLE ENERGIES. In ROMANIAN REPORTS IN PHYSICS. ISSN 1221-1451, 2019, vol. 71, no. 1, 302., Registrované v: WOS

4. [1.1] SAHOO, Pragati - SAHOO, Raghunath - TIWARI, Swatantra Kumar. *Wiedemann-Franz law for hot QCD matter in a color string percolation scenario. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 100, no. 5, 051503., Registrované v: WOS*

5. [1.1] SINGHA, Subhash - ADAM, J. - ADAMCZYK, L. - et al. *Measurements of directed and elliptic flow for D^0 and $\langle D^0 \rangle$ mesons using the STAR detector at RHIC. In NUCLEAR PHYSICS A, 2019, vol. 982, pp. 671-674., Registrované v: WOS*

6. [1.1] VANEK, Jan. *Open-Charm Hadron Measurements in Au+Au Collisions at $\sqrt{s(NN)} = 200$ GeV by the STAR Experiment. In UNIVERSE, 2019, vol. 5, no. 9, 196., Registrované v: WOS*

7. [1.1] WANG, Feng-Tao - XU, Jun. *Hadronization using the Wigner function approach for a multiphase transport model. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 6, 064909., Registrované v: WOS*

ADCA05 ABELEV, B.I. - AGGARWAL, M.M. - AHAMMED, Z. - ANDERSON, B.D. - ARKHIPKIN, D. - FILIP, Peter. *Spin alignment measurements of the $K^*(0)(892)$ and $\phi(1020)$ vector mesons in heavy ion collisions at $\sqrt{s(NN)}=200$ GeV. In Physical Review C. Nuclear physics, 2008, vol. 77, no. 6, 061902. (2007: 3.302 - IF, 2.234 - SJR, Q1 - SJR, karentované - CCC). (2008 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.77.061902>*

Citácie:

1. [1.1] MONTENEGRO, David - TORRIERI, Giorgio. *Causality and dissipation in relativistic polarizable fluids. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 100, no. 5, 056011., Registrované v: WOS*

2. [1.1] SINGH, Ranbir - ACHARYA, S. - ACOSTA, F. T. - et al. *Spin alignment measurements using vector mesons with ALICE detector at the LHC. In NUCLEAR PHYSICS A, 2019, vol. 982, pp. 515-518., Registrované v: WOS*

3. [1.1] XIA, Xiao-Liang - LI, Hui - HUANG, Xu-Guang - HUANG, Huan Zhong. *Feed-down effect on Lambda spin polarization. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 1, 014913., Registrované v: WOS*

ADCA06 ABELEV, B.I. - AGGARWAL, M.M. - AHAMMED, Z. - ANDERSON, B.D. - ARKHIPKIN, D. - FILIP, Peter. *Hadronic resonance production in d+Au collisions at $\sqrt{s(NN)} = 200$ GeV measured at the BNL Relativistic Heavy Ion Collider. In Physical Review C, 2008, vol. 78, no. 4, 044906. (2007: 3.302 - IF, 2.234 - SJR, Q1 - SJR, karentované - CCC). (2008 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.78.044906>*

Citácie:

1. [1.1] ACHARYA, S. - ADAMOVA, D. - ADOLFSSON, J. - et al. *Suppression of $\Lambda(1520)$ resonance production in central Pb-Pb collisions at $\sqrt{s(NN)}=2.76$ TeV. In PHYSICAL REVIEW C, 2019, vol. 99, no. 2, 024905., Registrované v: WOS*

ADCA07 ABELEV, B.I. - AGGARWAL, M.M. - AHAMMED, Z. - ANDERSON, B.D. - ARKHIPKIN, D. - FILIP, Peter. *Longitudinal double-spin asymmetry for inclusive jet production in $(p) \rightarrow (p)$ collisions at $\sqrt{s}=200$ GeV. In Physical Review Letters, 2008, vol. 100, no. 23, 232003. (2007: 6.944 - IF, Q1 - JCR, 5.950 - SJR, Q1 - SJR, karentované - CCC). (2008 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.100.232003>*

Citácie:

1. [1.1] ADAM, J. - ADAMCZYK, L. - ADAMS, J. R. - et al. Longitudinal double-spin asymmetry for inclusive jet and dijet production in pp collisions at root $s=510$ GeV. In PHYSICAL REVIEW D, 2019, vol. 100, no. 5, 052005., Registrované v: WOS

2. [1.1] FORTE, Stefano - LEVY, Aharon - RIDOLFI, Giovanni. From My Vast Repertoire ... Guido Altarelli's Legacy Preface. In FROM MY VAST REPERTOIRE ... : GUIDO ALTARELLI'S LEGACY, 2019, pp. V-+., Registrované v: WOS

3. [1.1] WEI, De-Xian - DENG, Wei-Tian - HUANG, Xu-Guang. Thermal vorticity and spin polarization in heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 1, 014905., Registrované v: WOS

ADCA08

ABELEV, B.I. - AGGARWAL, M.M. - AHAMMED, Z. - ANDERSON, B.D. - ARKHIPKIN, D. - FILIP, Peter. Enhanced strange baryon production in Au+Au collisions compared to p+p at root $s(\text{NN})=200$ GeV. In Physical Review C, 2008, vol. 77, no. 4, 044908. (2007: 3.302 - IF, 2.234 - SJR, Q1 - SJR, karentované - CCC). (2008 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.77.044908>

Citácie:

1. [1.1] BARTALINI, P. - GAUNT, J. R. MULTIPLE PARTON INTERACTIONS AT THE LHC Introduction. In MULTIPLE PARTON INTERACTIONS AT THE LHC. ISSN 0218-0324, 2019, vol. 29, pp. 1-+., Registrované v: WOS

2. [1.1] BUFALINO, Stefania. Strangeness and nuclei production in nuclear collisions. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2019, vol. 982, pp. 64-70., Registrované v: WOS

3. [1.1] DASH, Ajay Kumar - ACHARYA, S. - ACOSTA, F. T. - et al. Multiplicity dependence of strangeness and hadronic resonance production in pp and p-Pb collisions with ALICE at the LHC. In NUCLEAR PHYSICS A, 2019, vol. 982, pp. 467-470., Registrované v: WOS

4. [1.1] KURKELA, Aleksis - MAZELIAUSKAS, Aleksas. Chemical Equilibration in Hadronic Collisions. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 122, no. 14, 142301., Registrované v: WOS

ADCA09

ABELEV, B.I. - AGGARWAL, M.M. - AHAMMED, Z. - ANDERSON, B.D. - ARKHIPKIN, D. - FILIP, Peter. Measurement of D^* mesons in jets from p plus p collisions at root $s=200$ GeV. In Physical Review D, 2009, vol. 79, no. 11, 112006. (2008: 5.050 - IF, Q1 - JCR, 2.920 - SJR, Q1 - SJR, karentované - CCC). (2009 - Current Contents, WOS, SCOPUS). ISSN 1550-7998.

Citácie:

1. [1.1] ACHARYA, S. - ACOSTA, F. T. - ADAM, J. - et al. Measurement of the production of charm jets tagged with D^0 mesons in pp collisions at root $s=7$ TeV. In JOURNAL OF HIGH ENERGY PHYSICS, 2019, vol. 8, 133., Registrované v: WOS

ADCA10

ABELEV, B.I. - AGGARWAL, M.M. - AHAMMED, Z. - ANDERSON, B.D. - ARKHIPKIN, D. - FILIP, Peter. System-size independence of directed flow measured at the BNL relativistic heavy-ion collider. In Physical Review Letters, 2008, vol. 101, no. 25, 252301. (2007: 6.944 - IF, Q1 - JCR, 5.950 - SJR, Q1 - SJR, karentované - CCC). (2008 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.101.252301>

Citácie:

1. [1.1] ADAM, J. - ADAMCZYK, L. - ADAMS, J. R. - et al. First Observation of the Directed Flow of D^0 and $\langle D^0 \rangle$ in Au + Au Collisions at root $s(\text{NN})=200$ GeV. In PHYSICAL REVIEW LETTERS, 2019, vol. 123, no. 16,

162301., Registrované v: WOS

2. [1.1] ADARE, A. - AFANASIEV, S. - AIDALA, C. - et al. Measurement of two-particle correlations with respect to second- and third-order event planes in Au plus Au collisions at $\sqrt{s(NN)}=200$ GeV. In *PHYSICAL REVIEW C*, 2019, vol. 99, no. 5, 054903., Registrované v: WOS

3. [1.1] AOYAMA, Ryo - ADAM, J. - ADAMCZYK, L. - et al. Event Plane Dependence of Di-hadron Correlations with Event Shape Engineering at the STAR Experiment. In *NUCLEAR PHYSICS A*, 2019, vol. 982, pp. 343-346., Registrované v: WOS

4. [1.1] CHATTERJEE, Sandeep - BOZEK, Piotr. Interplay of drag by hot matter and electromagnetic force on the directed flow of heavy quarks. In *PHYSICS LETTERS B*. ISSN 0370-2693, 2019, vol. 798, 134955., Registrované v: WOS

5. [1.1] CHATTERJEE, Sandeep - BOZEK, Piotr. Strong directed flow of heavy flavor as a probe of matter distribution in heavy-ion collisions. In *NUCLEAR PHYSICS A*. ISSN 0375-9474, 2019, vol. 982, pp. 679-682., Registrované v: WOS

ADCA11

ABELEV, B.I. - AGGARWAL, M.M. - AHAMMED, Z. - ALAKHVERDYANTS, A.V. - ANDERSON, B.D. - FILIP, Peter. Charged and strange hadron elliptic flow in Cu plus Cu collisions at $\sqrt{s(NN)}=62.4$ and 200 GeV. In *Physical Review C*, 2010, vol. 81, no. 4, 044902. (2009: 3.477 - IF, 2.222 - SJR, Q1 - SJR, karentované - CCC). (2010 - Current Contents, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.81.044902>

Citácie:

1. [1.1] HAQUE, Md Rihan - NASIM, Md - MOHANTY, Bedangadas. Systematic investigation of azimuthal anisotropy in Au plus Au and U plus U collisions at $\sqrt{s(NN)}=200$ GeV. In *JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS*. ISSN 0954-3899, 2019, vol. 46, no. 8, 085104., Registrované v: WOS

2. [1.1] SIRUNYAN, A. M. - TUMASYAN, A. - ADAM, W. - et al. Charged-particle angular correlations in XeXe collisions at $\sqrt{s(NN)}=5.44$ TeV. In *PHYSICAL REVIEW C*, 2019, vol. 100, no. 4, 044902., Registrované v: WOS

ADCA12

ABELEV, B.I. - AGGARWAL, M.M. - AHAMMED, Z. - ALAKHVERDYANTS, A.V. - ANDERSON, B.D. - FILIP, Peter. Three-particle coincidence of the long range pseudorapidity correlation in high energy nucleus-nucleus collisions. In *Physical Review Letters*, 2010, vol. 105, no. 2, 022301. (2009: 7.328 - IF, 6.325 - SJR, Q1 - SJR, karentované - CCC). (2010 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.105.022301>

Citácie:

1. [1.1] YI, Li. Study of Small Colliding Systems. In *NUCLEAR PHYSICS A*. ISSN 0375-9474, 2019, vol. 982, pp. 85-91., Registrované v: WOS

2. [1.1] ZHAO, Jie - WANG, Fuqiang. Experimental searches for the chiral magnetic effect in heavy-ion collisions. In *PROGRESS IN PARTICLE AND NUCLEAR PHYSICS*. ISSN 0146-6410, 2019, vol. 107, pp. 200-236., Registrované v: WOS

ADCA13

ABELEV, B.I. - AGGARWAL, M.M. - AHAMMED, Z. - ALAKHVERDYANTS, A.V. - ANDERSON, B.D. - FILIP, Peter. Inclusive $\pi(0)$, eta and direct photon production at high transverse momentum in p+p and d+Au collisions at $\sqrt{s}=200$ GeV. In *Physical Review C*, 2010, vol. 81, no. 6, 064904. (2009: 3.477 - IF, 2.222 - SJR, Q1 - SJR, karentované - CCC). (2010 - Current Contents, SCOPUS). ISSN 2469-9985.

Citácie:

1. [1.1] ACHARYA, S. - ACOSTA, F. T. - ADAMOVA, D. - et al. Direct photon production at low transverse momentum in proton-proton collisions at $\sqrt{s}=2.76$ and 8 TeV. In *PHYSICAL REVIEW C*, 2019, vol. 99, no. 2, 024912.,

Registrované v: WOS

2. [1.1] BALL, Richard D. - NOCERA, Emanuele R. - PEARSON, Rosalyn L. Nuclear uncertainties in the determination of proton PDFs: NNPDF Collaboration. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2019, vol. 79, no. 3, 282., Registrované v: WOS

3. [1.1] BASS, Steven D. - MOSKAL, Pawel. eta ' and eta mesons with connection to anomalous glue. In REVIEWS OF MODERN PHYSICS. ISSN 0034-6861, 2019, vol. 91, no. 1, 015003., Registrované v: WOS

4. [1.1] HELENIUS, Ilkka - LAJOIE, John - OSBORN, Joseph D. - PAAKKINEN, Petja - PAUKKUNEN, Hannu. Nuclear gluons at RHIC in a multiobservable approach. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 100, no. 1, 014004., Registrované v: WOS

5. [1.1] SUN, Yifeng - KO, Che Ming. Probing the topological charge in QCD matter via multiplicity up-down asymmetry. In PHYSICS LETTERS B. ISSN 0370-2693, 2019, vol. 789, pp. 228-232., Registrované v: WOS

ADCA14 ABELEV, B.I. - AGGARWAL, M.M. - AHAMMED, Z. - ALAKHVERDYANTS, A.V. - ANDERSEN, B.D. - FILIP, Peter. Observation of $\pi^+\pi^-\pi^+\pi^-$ photoproduction in ultraperipheral heavy-ion collisions at $\sqrt{s(NN)}=200$ GeV at the STAR detector. In Physical Review C, 2010, vol. 81, no. 4, 044901. (2009: 3.477 - IF, 2.222 - SJR, Q1 - SJR, karentované - CCC). (2010 - Current Contents, SCOPUS). ISSN 2469-9985.

Citácie:

1. [1.1] SIRUNYAN, A. M. - TUMASYAN, A. - ADAM, W. - et al. Measurement of exclusive $\rho(770)(0)$ photoproduction in ultraperipheral pPb collisions at $\sqrt{s(NN)}=5.02$ TeV. In EUROPEAN PHYSICAL JOURNAL C, 2019, vol. 79, no. 8, 702., Registrované v: WOS

2. [1.1] SZCZUREK, A. Recent theoretical results for electromagnetically-induced ultraperipheral reactions of heavy ions. In ACTA PHYSICA POLONICA B PROCEEDINGS SUPPLEMENT. ISSN 1899-2358, 2019, vol. 12, no. 2, pp. 323-332., Registrované v: WOS

ADCA15 ABELEV, B.I. - AGGARWAL, M.M. - AHAMMED, Z. - ALAKHERDYANTS, A.V. - ANDERSON, B.D. - FILIP, Peter. Longitudinal double-spin asymmetry and cross section for inclusive neutral pion production at midrapidity in polarized proton collisions. In Physical Review D, 2009, vol. 80, no. 11, 111108. (2008: 5.050 - IF, Q1 - JCR, 2.920 - SJR, Q1 - SJR, karentované - CCC). (2009 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.80.111108>

Citácie:

1. [1.1] FORTE, Stefano - LEVY, Aharon - RIDOLFI, Giovanni. From My Vast Repertoire ... Guido Altarelli's Legacy Preface. In FROM MY VAST REPERTOIRE ... : GUIDO ALTARELLI'S LEGACY, 2019, pp. V-+., Registrované v: WOS

ADCA16 ABELEV, B.I. - AGGARWAL, M.M. - AHAMMED, Z. - ALAKHERDYANTS, A.V. - ANDERSON, B.D. - FILIP, Peter. Observation of an antimatter hypernucleus. In Science, 2010, vol. 328, no. 5974, p. 58-62. (2009: 29.747 - IF, 11.897 - SJR, Q1 - SJR, karentované - CCC). (2010 - Current Contents). ISSN 0036-8075. Dostupné na: <https://doi.org/10.1126/science.1183980>

Citácie:

1. [1.1] ACHARYA, S. - ADAMOVA, D. - ADHYA, S. P. - et al. $H\text{-}3(\Lambda)$ and $(\bar{3})(\bar{\Lambda})\text{-}H$ lifetime measurement in Pb-Pb collisions at $\sqrt{s(NN)}=5.02$ TeV via two-body decay. In PHYSICS LETTERS B, 2019, vol. 797, UNSP 134905., Registrované v: WOS

2. [1.1] BRAUN-MUNZINGER, Peter - DOENIGUS, Benjamin. Loosely-bound objects produced in nuclear collisions at the LHC. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2019, vol. 987, pp. 144-201., Registrované v: WOS
3. [1.1] BUYUKCIZMECI, N. - BOTVINA, A. S. - OGUL, R. - ERGUN, A. - BLEICHER, M. Production of hypernuclei and evaluation of their binding energies via the double yield ratio. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2019, vol. 55, no. 1, 2., Registrované v: WOS
4. [1.1] CAI, Yiming - COHEN, Thomas D. - GELMAN, Boris A. - YAMAUCHI, Yukari. Yields of weakly bound light nuclei as a probe of the statistical hadronization model. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 2, 024911., Registrované v: WOS
5. [1.1] CHEN JINHUI - MA YUGANG - ZHANG ZHENGQIAO - SAHA NEHA. Recent progress on antimatter and exotic strange particles study at RHIC. In SCIENTIA SINICA-PHYSICA MECHANICA & ASTRONOMICA. ISSN 1674-7275, 2019, vol. 49, no. 10, UNSP 102002., Registrované v: WOS
6. [1.1] DURANTE, M. - INDELICATO, P. - JONSON, B. - KOCH, V - LANGANKE, K. - MEISSNER, Ulf-G - NAPPI, E. - NILSSON, T. - STOEHLKER, Th - WIDMANN, E. - WIESCHER, M. All the fun of the FAIR: fundamental physics at the facility for antiproton and ion research. In PHYSICA SCRIPTA. ISSN 0031-8949, 2019, vol. 94, no. 3, 033001., Registrované v: WOS
7. [1.1] GAL, A. - GARCILAZO, H. Towards resolving the H-3(Lambda) lifetime puzzle. In PHYSICS LETTERS B. ISSN 0370-2693, 2019, vol. 791, pp. 48-53., Registrované v: WOS
8. [1.1] HILDENBRAND, F. - HAMMER, H-W. Three-body hypernuclei in pionless effective field theory. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 3, 034002., Registrované v: WOS
9. [1.1] KORNAKOV, Georgy - GALATYUK, Tetyana. An iterative method to estimate the combinatorial background. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2019, vol. 55, no. 11, 204., Registrované v: WOS
10. [1.1] LIU, Feng-Xian - CHEN, Gang - SHE, Zhi-Lei - ZHENG, Liang - XIE, Yi-Long - DONG, Zi-Jian - ZHOU, Dai-Mei - SA, Ben-Hao. H-3(Lambda) and (3)((Lambda)over-bar)(H)over-bar production and characterization in Cu plus Cu collisions at root s(NN)=200 GeV. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 3, 034904., Registrované v: WOS
11. [1.1] LIU, Feng-Xian - CHEN, Gang - SHE, Zhi-Lei - ZHOU, Dai-Mei - XIE, Yi-Long. Light (anti)nuclei production in Cu plus Cu collisions at root s(NN)=200 GeV. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2019, vol. 55, no. 9, 160., Registrované v: WOS
12. [1.1] LIU, Peng - CHEN, Jinhui - KEANE, Declan - XU, Zhangbu - MA, Yu-Gang. Recalibration of the binding energy of hypernuclei measured in emulsion experiments and its implications. In CHINESE PHYSICS C. ISSN 1674-1137, 2019, vol. 43, no. 12, 124001., Registrované v: WOS
13. [1.1] PARK, Jee Yoon - JUNG, Young Mi - KOOK, Song-Yi - JEON, Se Jeong - OH, Kyung Joon - HONG, Joon-Seok. The effect of postoperative vaginal progesterone in ultrasound-indicated cerclage to prevent preterm birth. In JOURNAL OF MATERNAL-FETAL & NEONATAL MEDICINE. ISSN 1476-7058, 2019., Registrované v: WOS
14. [1.1] SAMANTA, Chhanda. Superheavy nuclei and hypernuclei: extending the limits of the nuclear chart. In JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY. ISSN 0236-5731, 2019, vol. 322, no. 1, pp. 205-211., Registrované v: WOS
15. [1.1] SUN, Kai-Jia - KO, Che Ming - DOENIGUS, Benjamin. Suppression of

light nuclei production in collisions of small systems at the Large Hadron Collider. In PHYSICS LETTERS B. ISSN 0370-2693, 2019, vol. 792, pp. 132-137., Registrované v: WOS

16. [1.1] YANG CHI - CHEN JINHUI - MA YUGANG - XU QINGHUA. Inner TPC upgrade at RHIC-STAR. In SCIENTIA SINICA-PHYSICA MECHANICA & ASTRONOMICA. ISSN 1674-7275, 2019, vol. 49, no. 10, UNSP 102008., Registrované v: WOS

ADCA17 ABELEV, B.I. - AGGARWAL, M.M. - AHAMMED, Z. - ALAKHERDYANTS, A.V. - ANDERSON, B.D. - FILIP, Peter. Longitudinal spin transfer to Lambda and anti-Lambda hyperons in polarized proton-proton collisions at $\sqrt{s}=200$ GeV. In Physical Review D, 2009, vol. 80, no. 11, 111102. (2008: 5.050 - IF, Q1 - JCR, 2.920 - SJR, Q1 - SJR, karentované - CCC). (2009 - Current Contents, WOS, SCOPUS). ISSN 1550-7998.

Citácie:

1. [1.1] LIU, Xiaonan - MA, Bo-Qiang. Nucleon strangeness polarization from Lambda/(Lambda)over-bar hyperon production in polarized proton-proton collision at RHIC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2019, vol. 79, no. 5, pp. 117-121., Registrované v: WOS

2. [1.1] XU QING-HUA - LIANG ZUO-TANG. Nucleon spin structure and measurements on sea quark polarization at RHIC. In SCIENTIA SINICA-PHYSICA MECHANICA & ASTRONOMICA. ISSN 1674-7275, 2019, vol. 49, no. 10, UNSP 102007., Registrované v: WOS

ADCA18 ABELEV, B.I. - AGGARWAL, M.M. - AHAMMED, Z. - ALAKHERDYANTS, A.V. - ANDERSON, B.D. - FILIP, Peter. Identified particle production, azimuthal anisotropy, and interferometry measurements in Au plus Au collisions at $\sqrt{s_{NN}}=9.2$ GeV. In Physical Review C, 2010, vol. 81, no. 2, 024911. (2009: 3.477 - IF, 2.222 - SJR, Q1 - SJR, karentované - CCC). (2010 - Current Contents, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.81.024911>

Citácie:

1. [1.1] ADAM, J. - ADAMCZYK, L. - ADAMS, J. R. - et al. Beam energy dependence of (anti-)deuteron production in Au plus Au collisions at the BNL Relativistic Heavy Ion Collider. In PHYSICAL REVIEW C, 2019, vol. 99, no. 6, 064905., Registrované v: WOS

2. [1.1] BELLWIED, R. - NORONHA-HOSTLER, J. - PAROTTO, P. - VAZQUEZ, I. Portillo - RATTI, C. - STAFFORD, J. M. Freeze-out temperature from net-kaon fluctuations at energies available at the BNL Relativistic Heavy Ion Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 3, 034912., Registrované v: WOS

3. [1.1] CASELLE, Michele - MAGNOLI, Nicodemo - NADA, Alessandro - PANERO, Marco - SCANAVINO, Marcello. Conformal perturbation theory confronts lattice results in the vicinity of a critical point. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 100, no. 3, 034512., Registrované v: WOS

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

5. [1.1] FRIESEN, A. - KALINOVSKY, Yu. L. - TONEEV, V. D. Kaon to Pion Ratio in SU(3) PNJL Model. In PHYSICS OF PARTICLES AND NUCLEI LETTERS. ISSN 1547-4771, 2019, vol. 16, no. 6, pp. 681-689., Registrované v: WOS

6. [1.1] GAO, Li-Na - LIU, Fu-Hu - LI, Bao-Chun. Rapidity Dependent Transverse Momentum Spectra of Heavy Quarkonia Produced in Small Collision Systems at the LHC. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-

- 7357, 2019, 6739315., Registrované v: WOS
7. [1.1] LAO, Hai-Ling - GAO, Ya-Qin - LIU, Fu-Hu. *Energy Dependent Chemical Potentials of Light Particles and Quarks from Yield Ratios of Antiparticles to Particles in High Energy Collisions*. In *UNIVERSE*, 2019, vol. 5, no. 6, 152., Registrované v: WOS
8. [1.1] PARRA, R. A. - UDDIN, S. - INAM-UL BASHIR - NANDA, H. - BASHIR, W. - AHMAD, R. *Study of Pion Transverse Momentum Distributions in Ultra-Relativistic Heavy Ion Collisions: A USTFM Approach*. In *JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS*. ISSN 1063-7761, 2019, vol. 129, no. 2, pp. 217-228., Registrované v: WOS
9. [1.1] RATTI, Claudia - BELLWIED, Rene - NORONHA-HOSTLER, Jacquelyn - PAROTTO, Paolo - VAZQUEZ, Israel Portillo - STAFFORD, Jamie M. *Analysis of Kaon fluctuations from the beam energy scan at RHIC*. In *NUCLEAR PHYSICS A*. ISSN 0375-9474, 2019, vol. 982, pp. 799-802., Registrované v: WOS
10. [1.1] WANG, Qi - LIU, Fu-Hu. *Initial and Final State Temperatures of Antiproton Emission Sources in High Energy Collisions*. In *INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS*. ISSN 0020-7748, 2019, vol. 58, no. 12, pp. 4119-4138., Registrované v: WOS
11. [1.1] WANG, Qi - YANG, Pei-Pin - LIU, Fu-Hu. *Comparing a few distributions of transverse momenta in high energy collisions*. In *RESULTS IN PHYSICS*. ISSN 2211-3797, 2019, vol. 12, pp. 259-267., Registrované v: WOS
12. [1.1] WAQAS, M. - LIU, F-H - FAKHRADDIN, S. - RAHIM, M. A. *Possible scenarios for single, double, or multiple kinetic freeze-out in high-energy collisions*. In *INDIAN JOURNAL OF PHYSICS*. ISSN 0973-1458, 2019, vol. 93, no. 10, pp. 1329-1343., Registrované v: WOS
13. [1.1] YU, Ning - LUO, Xiaofeng. *Particle decay from statistical thermal model in high-energy nucleus-nucleus collisions*. In *EUROPEAN PHYSICAL JOURNAL A*. ISSN 1434-6001, 2019, vol. 55, no. 2, 26., Registrované v: WOS

ADCA19

ABELEV, B.I. - AGGARWAL, M.M. - AHAMMED, Z. - ALAKHERDYANTS, A.V. - ANDERSON, B.D. - FILIP, Peter. *Observation of charge-dependent azimuthal correlations and possible local strong parity violation in heavy ion collisions*. In *Physical Review C*, 2010, vol. 81, no. 5, 054908. (2009: 3.477 - IF, 2.222 - SJR, Q1 - SJR, karentované - CCC). (2010 - Current Contents, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.81.054908>

Citácie:

1. [1.1] ADAM, J. - ADAMCZYK, L. - ADAMS, J. R. - et al. *Charge-dependent pair correlations relative to a third particle in p plus Au and d plus Au collisions at RHIC*. In *PHYSICS LETTERS B*, 2019, vol. 798, 134975., Registrované v: WOS
2. [1.1] ADAMCZYK, L. - ADKINS, J. K. - AGAKISHIEV, G. - et al. *Constraining the initial conditions and temperature dependent viscosity with three-particle correlations in Au plus Au collisions*. In *PHYSICS LETTERS B*, 2019, vol. 790, pp. 81-88., Registrované v: WOS
3. [1.1] CHENG, Yi-Lin - ZHANG, Song - MA, Yu-Gang - CHEN, Jin-Hui - ZHONG, Chen. *Electromagnetic field from asymmetric to symmetric heavy-ion collisions at 200 GeV/c*. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 99, no. 5, 054906., Registrované v: WOS
4. [1.1] HAQUE, Md Rihan - ACHARYA, S. - ACOSTA, F. T. - et al. *Measurements of the chiral magnetic effect in Pb-Pb collisions with ALICE*. In *NUCLEAR PHYSICS A*, 2019, vol. 982, pp. 543-546., Registrované v: WOS
5. [1.1] LI, Hanlin - ZHAO, Jie - WANG, Fuqiang. *A novel invariant mass method to isolate resonance backgrounds from the chiral magnetic effect*. In *NUCLEAR*

- PHYSICS A. ISSN 0375-9474, 2019, vol. 982, pp. 563-566., Registrované v: WOS*
6. [1.1] SCHENKE, Bjorn - SHEN, Chun - TRIBEDY, Prithwish. *Multiparticle and charge-dependent azimuthal correlations in heavy-ion collisions at the Relativistic Heavy-Ion Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 4, 044908., Registrované v: WOS*
7. [1.1] SHE, Duan - JIANG, Ze Fang - HOU, Defu - YANG, C. B. *1+1 dimensional relativistic magnetohydrodynamics with longitudinal acceleration. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 100, no. 11, 116014., Registrované v: WOS*
8. [1.1] SIDDIQUE, Irfan - WANG, Ren-jie - PU, Shi - WANG, Qun. *Anomalous magnetohydrodynamics with longitudinal boost invariance and chiral magnetic effect. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 99, no. 11, 114029., Registrované v: WOS*
9. [1.1] SIRUNYAN, A. M. - TUMASYAN, A. - ADAM, W. - et al. *Probing the chiral magnetic wave in pPb and PbPb collisions at root S-NN=5.02 TeV using charge-dependent azimuthal anisotropies. In PHYSICAL REVIEW C, 2019, vol. 100, no. 6, 064908., Registrované v: WOS*
10. [1.1] YE, Y. J. - MA, Y. G. - TANG, A. H. - WANG, G. *Effect of magnetic fields on pairs of oppositely charged particles in ultrarelativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 4, 044901., Registrované v: WOS*
11. [1.1] ZHAO, Jie - LI, Hanlin - WANG, Fuqiang. *Isolating the chiral magnetic effect from backgrounds by pair invariant mass. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2019, vol. 79, no. 2, 168., Registrované v: WOS*
12. [1.1] ZHAO, Jie - WANG, Fuqiang. *Experimental searches for the chiral magnetic effect in heavy-ion collisions. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2019, vol. 107, pp. 200-236., Registrované v: WOS*
13. [1.1] ZHAO, Xin-Li - MA, Guo-Liang - MA, Yu-Gang. *Impact of magnetic-field fluctuations on measurements of the chiral magnetic effect in collisions of isobaric nuclei. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 3, 034903., Registrované v: WOS*
14. [1.1] ZHOU, Wen-Hao - XU, Jun. *Simulating chiral anomalies with spin dynamics. In PHYSICS LETTERS B. ISSN 0370-2693, 2019, vol. 798, 134932., Registrované v: WOS*

ADCA20 ABELEV, B.I. - AGGARWAL, M.M. - AHAMMED, Z. - ALAKHVERDYANTS, A.V. - ANDERSON, B.D. - FILIP, Peter. *System size dependence of associated yields in hadron-triggered jets STAR Collaboration. In Physics Letters B, 2010, vol. 683, no. 2-3, p. 123-128. (2009: 5.083 - IF, 2.886 - SJR, Q1 - SJR, karentované - CCC). (2010 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2009.12.020>*

Citácie:

1. [1.1] ACHARYA, S. - ADAMOVA, D. - ADOLFSSON, J. - et al. *Two-particle differential transverse momentum and number density correlations in p-Pb collisions at 5.02 TeV and Pb-Pb collisions at 2.76 TeV at the CERN Large Hadron Collider. In PHYSICAL REVIEW C, 2019, vol. 100, no. 4, 044903., Registrované v: WOS*
2. [1.1] ADARE, A. - AFANASIEV, S. - AIDALA, C. - et al. *Measurement of two-particle correlations with respect to second- and third-order event planes in Au plus Au collisions at root s(NN)=200 GeV. In PHYSICAL REVIEW C, 2019, vol. 99, no. 5, 054903., Registrované v: WOS*

ADCA21 ABELEV, B.I. - AGGARWAL, M.M. - AHAMMED, Z. - ALAKHVERDYANTS,

A.V. - ANDERSON, B.D. - FILIP, Peter. Longitudinal scaling property of the charge balance function in Au plus Au collisions at $\sqrt{s(NN)}=200$ GeV. In Physics Letters B, 2010, vol. 690, no. 3, p. 239-244. (2009: 5.083 - IF, 2.886 - SJR, Q1 - SJR, karentované - CCC). (2010 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2010.05.028>

Citácie:

1. [1.1] ACHARYA, S. - ADAMOVA, D. - ADOLFSSON, J. - et al. Two-particle differential transverse momentum and number density correlations in p-Pb collisions at 5.02 TeV and Pb-Pb collisions at 2.76 TeV at the CERN Large Hadron Collider. In PHYSICAL REVIEW C, 2019, vol. 100, no. 4, 044903., Registrované v: WOS

2. [1.1] PRATT, Scott - PLUMBERG, Christopher. Evolving charge correlations in a hybrid model with both hydrodynamics and hadronic Boltzmann descriptions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 4, 044916., Registrované v: WOS

ADCA22 ABELEV, B.I. - ADAMS, J. - AGGARWAL, M.M. - AHAMMED, Z. - AMONETT, J. - FILIP, Peter. Neutral kaon interferometry in Au plus Au collisions at $\sqrt{s(NN)}=200$ GeV. In Physical Review C, 2006, vol. 74, no. 5, 054902. (2005: 3.610 - IF, 1.287 - SJR, Q1 - SJR, karentované - CCC). (2006 - Current Contents, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.74.054902>

Citácie:

1. [1.1] ACHARYA, S. - ACOSTA, F. T. - ADAMOVA, D. - et al. Measuring (KSK +/-)-K-0 interactions using pp collisions at $\sqrt{s}=7$ TeV. In PHYSICS LETTERS B, 2019, vol. 790, pp. 22-34., Registrované v: WOS

2. [1.1] HUMANIC, T. J. Feasibility of studying the $K^*(700)$ resonance using $\pi K^+/(S)^0$ femtoscopy. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2019, vol. 46, no. 5, 055001., Registrované v: WOS

ADCA23 ABELEV, B.I. - AGGARWAL, M.M. - AHAMMED, Z. - ANDERSON, B.D. - ARKHIPKIN, D. - FILIP, Peter. Mass, quark-number, and $\sqrt{s(NN)}$ dependence of the second and fourth flow harmonics in ultrarelativistic nucleus-nucleus collisions. In Physical Review C, 2007, vol. 75, no. 5, 054906. (2006: 3.327 - IF, 1.625 - SJR, Q1 - SJR, karentované - CCC). (2007 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.75.054906>

Citácie:

1. [1.1] BARTALINI, P. - GAUNT, J. R. Multiple parton interactions at the LHC introduction. In MULTIPLE PARTON INTERACTIONS AT THE LHC. ISSN 0218-0324, 2019, vol. 29, pp. 1-+, Registrované v: WOS

2. [1.1] NAYAK, Kishora - SHI, Shusu - XU, Nu - LIN, Zi-Wei. Energy dependence study of directed flow in Au plus Au collisions using an improved coalescence in a multiphase transport model. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 5, 054903., Registrované v: WOS

3. [1.1] RATH, Rutuparna - TRIPATHY, Sushanta - SAHOO, Raghunath - DE, Sudipan - YOUNUS, Mohammed. Identified-particle production in Xe plus Xe collisions at $\sqrt{s(NN)}=5.44$ TeV using a multiphase transport model. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 6, 064903., Registrované v: WOS

4. [1.1] RISTEA, O. - RISTEA, C. - JIPA, A. - PETRUSE, T. - ESANU, T. - CALIN, M. Flow studies in nucleus-nucleus collisions at fair-GSI available energies. In ROMANIAN REPORTS IN PHYSICS. ISSN 1221-1451, 2019, vol. 71, no. 1., Registrované v: WOS

5. [1.1] RODE, Sudhir Pandurang - BHADURI, Partha Pratim - ROY, Ankhi. Anisotropic flow of charged and identified hadrons at FAIR energies and its

dependence on the nuclear equation of state. In *EUROPEAN PHYSICAL JOURNAL A*. ISSN 1434-6001, 2019, vol. 55, no. 11, 216., Registrované v: WOS

6. [1.1] SIRUNYAN, A. M. - TUMASYAN, A. - ADAM, W. - et al. Observation of prompt J/ψ meson elliptic flow in high-multiplicity pPb collisions at root $s(NN)=8.16$ TeV. In *PHYSICS LETTERS B*, 2019, vol. 791, pp. 172-194., Registrované v: WOS

7. [1.1] ZHANG YIFEI - XIE GUANNAN - ZHANG SHENGHUI - DONG XIN. Heavy flavor hadron measurement at RHIC. In *SCIENTIA SINICA-PHYSICA MECHANICA & ASTRONOMICA*. ISSN 1674-7275, 2019, vol. 49, no. 10, UNSP 102003., Registrované v: WOS

ADCA24 ABELEV, B.I. - AGGARWAL, M.M. - AHAMMED, Z. - ANDERSON, B.D. - ARKHIPKIN, D. - FILIP, Peter. Strange particle production in p+p collisions at root $s=200$ GeV. In *Physical review C : nuclear physics*, 2007, vol. 75, no. 6, 064901. (2006: 3.327 - IF, 1.625 - SJR, Q1 - SJR, karentované - CCC). (2007 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.75.064901>

Citácie:

1. [1.2] AAD, G. - ABBOTT, B. - ABBOTT, D. C. - et al. Measurement of $K^*(0)$ and $\Lambda(0)$ production in $t\bar{t}$ dileptonic events in pp collisions at root $s=7$ TeV with the ATLAS detector. In *EUROPEAN PHYSICAL JOURNAL C*, 2019, vol. 79, no. 12, 1017., Registrované v: SCOPUS
2. [1.2] CLEYMANS, Jean - HIPPOLYTE, Boris - PARADZA, Masimba - SHARMA, Natasha. Thermal Model Fits in p - p , p -Pb and Pb-Pb Collisions. In *Journal of Physics: Conference Series*. ISSN 17426588, 2019, vol. 1271, no. 1, 012015., Registrované v: SCOPUS
3. [1.2] CLEYMANS, Jean - HIPPOLYTE, Boris - PARADZA, Masimba W. - SHARMA, Natasha. Hadron resonance gas model and high multiplicities in p - p , p -Pb and Pb-Pb collisions at the LHC. In *International Journal of Modern Physics E*. ISSN 02183013, 2019, vol. 28, no. 9, 1940002., Registrované v: SCOPUS
4. [1.2] DÖNIGUS, Benjamin. Highlights of the production of (anti-) (hyper-)nuclei and exotica with ALICE at the LHC. In *Journal of Physics: Conference Series*. ISSN 17426588, 2019, vol. 1271, no. 1, 012001., Registrované v: SCOPUS
5. [1.2] HUI, Jia Qi - JIANG, Zhi Jin. A Description of Transverse Momentum Distributions in p + p Collisions at RHIC and LHC Energies. In *Advances in High Energy Physics*. ISSN 16877357, 2019, 8372416., Registrované v: SCOPUS
6. [1.2] KHUNTIA, Arvind - SHARMA, Himanshu - KUMAR TIWARI, Swatantra - SAHOO, Raghunath - CLEYMANS, Jean. Radial flow and differential freeze-out in proton-proton collisions at $\sqrt{s}=7$ TeV at the LHC. In *European Physical Journal A*. ISSN 14346001, 2019, vol. 55, no. 1., Registrované v: SCOPUS
7. [1.2] LAO, Hai Ling - GAO, Ya Qin - LIU, Fu Hu. Energy dependent chemical potentials of light particles and quarks from yield ratios of antiparticles to particles in high energy collisions. In *Universe*, 2019, vol. 5, no. 6, 152., Registrované v: SCOPUS
8. [1.2] MA, Guo Yang - DAI, Wei - ZHANG, Ben Wei - WANG, Enke. NLO Productions of ω and K^0_S with a global extraction of the jet transport parameter in heavy-ion collisions. In *European Physical Journal C*. ISSN 14346044, 2019, vol. 79, no. 6, 518., Registrované v: SCOPUS
9. [1.2] RATH, Rutuparna - TRIPATHY, Sushanta - CHATTERJEE, Bhaswar - SAHOO, Raghunath - KUMAR TIWARI, Swatantra - NATH, Abhishek. Violation of Wiedemann-Franz Law for hot hadronic matter created at NICA, FAIR and

- RHIC energies using non-extensive statistics. In European Physical Journal A. ISSN 14346001, 2019, vol. 55, no. 8, 125., Registrované v: SCOPUS*
10. [1.2] SHARMA, Natasha - CLEYMANS, Jean - HIPPOLYTE, Boris - PARADZA, Masimba. Comparison of p-p, p- Pb, and Pb-Pb collisions in the thermal model: Multiplicity dependence of thermal parameters COMPARISON of P-P, PPB, and PB-PB COLLISIONS ... SHARMA, CLEYMANS, HIPPOLYTE, and PARADZA. In Physical Review C. ISSN 24699985, 2019, vol. 99, no. 4, 044914., Registrované v: SCOPUS
11. [1.2] SHARMA, Natasha - CLEYMANS, Jean - HIPPOLYTE, Boris. Thermodynamic Limit in High-Multiplicity Proton-Proton Collisions at $s=7$ TeV. In Advances in High Energy Physics. ISSN 16877357, 2019, 5367349., Registrované v: SCOPUS
12. [1.2] SHEN, Ke Ming. Analysis on hadron spectra in heavy-ion collisions with a new non-extensive approach. In Journal of Physics G: Nuclear and Particle Physics. ISSN 09543899, 2019, vol. 46, no. 10, 105101., Registrované v: SCOPUS
13. [1.2] SHEN, Keming - BARNAFÖLDI, Gergely Gábor - BIRÓ, Tamás Sándor. Hadronization within the non-extensive approach and the evolution of the parameters. In European Physical Journal A. ISSN 14346001, 2019, vol. 55, no. 8, 126., Registrované v: SCOPUS
14. [1.2] WAQAS, M. - LIU, F. H. - FAKHRADDIN, S. - RAHIM, M. A. Possible scenarios for single, double, or multiple kinetic freeze-out in high-energy collisions. In Indian Journal of Physics. ISSN 09731458, 2019, vol. 93, no. 10, pp. 1329-1343., Registrované v: SCOPUS
15. [1.2] YANG, Yongliang - MAO, Wenjuan - LU, Zhun. Single spin asymmetry in transverse polarized proton production and Λ production in semi-inclusive DIS at twist-3. In European Physical Journal Plus, 2019, vol. 134, no. 6., Registrované v: SCOPUS

ADCA25 ABELEV, B.I. - AGGARWAL, M.M. - AHAMMED, Z. - ANDERSON, B.D. - ARKHIPKIN, D. - FILIP, Peter. Strangelet search in Au plus Au collisions at root $s=(NN)200$ GeV. In Physical Review C, 2007, vol. 76, no. 1, 011901. (2006: 3.327 - IF, 1.625 - SJR, Q1 - SJR, karentované - CCC). (2007 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.76.011901>

Citácie:

1. [1.1] KHUNTIA, Arvind - SHARMA, Himanshu - TIWARI, Swatantra Kumar - SAHOO, Raghunath - CLEYMANS, Jean. Radial flow and differential freeze-out in proton-proton collisions at root $s=7$ TeV at the LHC. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2019, vol. 55, no. 1, 3., Registrované v: WOS
2. [1.1] WEI, De-Xian - DENG, Wei-Tian - HUANG, Xu-Guang. Thermal vorticity and spin polarization in heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 1, 014905., Registrované v: WOS
3. [1.1] YE, Zhenyu - ADAM, J. - ADAMCZYK, L. - et al. Highlights from the STAR experiment. In NUCLEAR PHYSICS A, 2019, vol. 982, pp. 29-35., Registrované v: WOS

ADCA26 ABELEV, B.I. - AGGARWAL, M.M. - AHAMMED, Z. - AMONETT, J. - ANDERSON, B.D. - FILIP, Peter. Identified baryon and meson distributions at large transverse momenta from Au plus Au collisions. In Physical Review Letters, 2006, vol. 97, no. 15, 152301. (2005: 7.489 - IF, Q1 - JCR, 4.082 - SJR, Q1 - SJR, karentované - CCC). (2006 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.97.152301>

Citácie:

1. [1.1] ACHARYA, S. - ADAMOVA, D. - ADOLFSSON, J. - et al. Two-particle differential transverse momentum and number density correlations in p-Pb collisions at 5.02 TeV and Pb-Pb collisions at 2.76 TeV at the CERN Large Hadron Collider. In *PHYSICAL REVIEW C*, 2019, vol. 100, no. 4, 044903., Registrované v: WOS
2. [1.1] DAI WEI - XING HONGXI - ZHANG BEN-WEI - WANG ENKE - WANG XIN-NIAN. Multiple scattering and parton energy loss in nuclei. In *SCIENTIA SINICA-PHYSICA MECHANICA & ASTRONOMICA*. ISSN 1674-7275, 2019, vol. 49, no. 10, UNSP 102005., Registrované v: WOS
3. [1.1] MA, Guo-Yang - DAI, Wei - ZHANG, Ben-Wei - WANG, Enke. NLO Productions of and K_S^0 with a global extraction of the jet transport parameter in heavy-ion collisions. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2019, vol. 79, no. 6, 518., Registrované v: WOS
4. [1.1] SHEN, Keming - BARNAFOLDI, Gergely Gabor - BIRO, Tamas Sandor. Hadronization within the non-extensive approach and the evolution of the parameters. In *EUROPEAN PHYSICAL JOURNAL A*. ISSN 1434-6001, 2019, vol. 55, no. 8, 126., Registrované v: WOS
5. [1.1] SIRUNYAN, A. M. - TUMASYAN, A. - ADAM, W. - et al. Studies of Beauty Suppression via Nonprompt D-0 Mesons in Pb-Pb Collisions at $\sqrt{s(NN)}=5.02$ TeV. In *PHYSICAL REVIEW LETTERS*, 2019, vol. 123, no. 2, 022001., Registrované v: WOS
6. [1.1] ZAKHAROV, B. G. Color Randomization of Fast Gluon-Gluon Pairs in the Quark-Gluon Plasma. In *JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS*. ISSN 1063-7761, 2019, vol. 128, no. 2, pp. 243-258., Registrované v: WOS
7. [1.1] ZHU, Lilin - ZHENG, Hua - KONG, Ruimin. Centrality and transverse momentum dependencies of hadrons in Pb plus Pb collisions at $\sqrt{s(NN)}=5.02$ TeV and Xe plus Xe collisions at $\sqrt{s(NN)}=5.44$ TeV from a multi-phase transport model. In *EUROPEAN PHYSICAL JOURNAL A*. ISSN 1434-6001, 2019, vol. 55, no. 11, 205., Registrované v: WOS

ADCA27

ABELEV, B.I. - AGGARWAL, M.M. - AHAMMED, Z. - ANDERSON, B.D. - ARKHIPKIN, D. - FILIP, Peter. Transverse momentum and centrality dependence of High-p(T) nonphotonic electron suppression in Au plus Au collisions at $\sqrt{s(NN)}=200$ GeV. In *Physical Review Letters*, 2007, vol. 98, no. 19, 192301. (2006: 7.072 - IF, Q1 - JCR, 4.781 - SJR, Q1 - SJR, karentované - CCC). (2007 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.98.192301>

Citácie:

1. [1.1] BERAUDO, Andrea - DE PACE, Arturo - MONTENO, Marco - NARDI, Marzia - PRINO, Francesco. Event-shape engineering and heavy-flavour observables in relativistic heavy-ion collisions. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2019, vol. 79, no. 6, 494., Registrované v: WOS
2. [1.1] CHEN, Baoyi. Thermal production of charmonia in Pb-Pb collisions at $\sqrt{s(NN)}=5.02$ TeV. In *CHINESE PHYSICS C*. ISSN 1674-1137, 2019, vol. 43, no. 12, 124101., Registrované v: WOS
3. [1.1] DONG, Xin - LEE, Yen-Jie - RAPP, Ralf. Open Heavy-Flavor Production in Heavy-Ion Collisions. In *ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE*, VOL 69. ISSN 0163-8998, 2019, vol. 69, pp. 417-445., Registrované v: WOS
4. [1.1] ISLAM, Chowdhury Aminul - BANDYOPADHYAY, Aritra - ROY, Pradip K. - SARKAR, Sourav. Spectral function and dilepton rate from a strongly

magnetized hot and dense medium in light of mean field models. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 99, no. 9, 094028., Registrované v: WOS

5. [1.1] KOLBE, Isobel - HOROWITZ, W. A. Short-path-length corrections to Djordjevic-Gyulassy-Levai-Vitev energy loss. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 2, 024913., Registrované v: WOS

6. [1.1] SHI, Shuzhe - LIAO, Jinfeng - GYULASSY, Miklos. Global constraints from RHIC and LHC on transport properties of QCD fluids in CUJET/CIBJET framework. In CHINESE PHYSICS C. ISSN 1674-1137, 2019, vol. 43, no. 4, 044101., Registrované v: WOS

7. [1.1] SINGH, Balbeer - ABHISHEK, Aman - DAS, Santosh K. - MISHRA, Hiranmaya. Heavy quark diffusion in a Polyakov loop plasma. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 100, no. 11, 114019., Registrované v: WOS

8. [1.1] WANG, Hai - CHEN, Jin-Hui - MA, Yu-Gang - ZHANG, Song. Charm hadron azimuthal angular correlations in Au plus Au collisions at root $s(NN)=200$ GeV from parton scatterings. In NUCLEAR SCIENCE AND TECHNIQUES. ISSN 1001-8042, 2019, vol. 30, no. 12, 185., Registrované v: WOS

ADCA28 ABELEV, B.I. - AGGARWAL, M.M. - AHAMMED, Z. - ANDERSON, B.D. - ARKHIPKIN, D. - FILIP, Peter. Measurement of transverse single-spin asymmetries for dijet production in proton-proton collisions at root $s=200$ GeV. In Physical Review Letters, 2007, vol. 99, no. 14, 142003. (2006: 7.072 - IF, Q1 - JCR, 4.781 - SJR, Q1 - SJR, karentované - CCC). (2007 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.99.142003>

Citácie:

1. [1.1] LIU, Xiaohui - RINGER, Felix - VOGELSANG, Werner - YUAN, Feng. Lepton-Jet Correlations in Deep Inelastic Scattering at the Electron-Ion Collider. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 122, no. 19, 192003., Registrované v: WOS

ADCA29 ABELEV, B.I. - AGGARWAL, M.M. - AHAMMED, Z. - ANDERSON, B.D. - ARKHIPKIN, D. - FILIP, Peter. Partonic flow and phi-meson production in Au+Au collisions at root $s(NN)=200$ GeV. In Physical Review Letters, 2007, vol. 99, no. 11, 112301. (2006: 7.072 - IF, Q1 - JCR, 4.781 - SJR, Q1 - SJR, karentované - CCC). (2007 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.99.112301>

Citácie:

1. [1.1] ADAM, J. - ADAMCZYK, L. - ADAMS, J. R. - et al. Centrality and transverse momentum dependence of D-0-meson production at mid-rapidity in Au plus Au collisions at root $S-NN=200$ GeV. In PHYSICAL REVIEW C, 2019, vol. 99, no. 3, 034908., Registrované v: WOS

2. [1.1] NAYAK, Kishora - SHI, Shusu - XU, Nu - LIN, Zi-Wei. Energy dependence study of directed flow in Au plus Au collisions using an improved coalescence in a multiphase transport model. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 5, 054903., Registrované v: WOS

3. [1.1] RATH, Rutuparna - TRIPATHY, Sushanta - SAHOO, Raghunath - DE, Sudipan - YOUNUS, Mohammed. Identified-particle production in Xe plus Xe collisions at root $s(NN)=5.44$ TeV using a multiphase transport model. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 6, 064903., Registrované v: WOS

4. [1.1] WAQAS, M. - LIU, F-H - FAKHRADDIN, S. - RAHIM, M. A. Possible scenarios for single, double, or multiple kinetic freeze-out in high-energy collisions. In INDIAN JOURNAL OF PHYSICS. ISSN 0973-1458, 2019, vol. 93,

no. 10, pp. 1329-1343., Registrované v: WOS

5. [1.1] XU, Peng-Zhi - ZHANG, Wei-Ning. Squeezed back-to-back correlations of bosons with nonzero widths in relativistic heavy-ion collisions. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 100, no. 1, 014907., Registrované v: WOS

ADCA30 ABELEV, B.I. - AGGARWAL, M.M. - AHAMMED, Z. - ANDERSON, B.D. - ARKHIPKIN, D. - FILIP, Peter. Energy dependence of $\pi^{+/-}$, p and (p) over-bar transverse momentum spectra for Au+Au collisions at $\sqrt{s_{NN}}=62.4$ and 200 GeV. In *Physics Letters B*, 2007, vol. 655, no. 3-4, p. 104-113. (2006: 5.043 - IF, Q1 - JCR, 3.265 - SJR, Q1 - SJR, karentované - CCC). (2007 - Current Contents, WOS, SCOPUS). ISSN 0370-2693.

Citácie:

1. [1.1] KANG, Zhong-Bo - REITEN, Jared - VITEV, Ivan - YOON, Boram. Light and heavy flavor dijet production and dijet mass modification in heavy ion collisions. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2019, vol. 99, no. 3, 034006., Registrované v: WOS

2. [1.1] ZIGIC, Dusan - SALOM, Igor - AUVINEN, Jussi - DJORDJEVIC, Marko - DJORDJEVIC, Magdalena. DREENA-B framework: First predictions of R_{AA} and $v(2)$ within dynamical energy loss formalism in evolving QCD medium. In *PHYSICS LETTERS B*. ISSN 0370-2693, 2019, vol. 791, pp. 236-241., Registrované v: WOS

ADCA31 ABELEV, B.I. - ADAMS, J. - AGGARWAL, M.M. - AHAMMED, Z. - AMONETT, J. - FILIP, Peter. Longitudinal double-spin asymmetry and cross section for inclusive jet production in polarized proton collisions at $\sqrt{s}=200$ GeV. In *Physical Review Letters*, 2006, vol. 97, no. 25, 252001. (2005: 7.489 - IF, Q1 - JCR, 4.082 - SJR, Q1 - SJR, karentované - CCC). (2006 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.97.252001>

Citácie:

1. [1.1] BRITZGER, Daniel - RABBERTZ, Klaus - SAVOIU, Daniel - SIEBER, Georg - WOBISCH, Markus. Determination of the strong coupling constant using inclusive jet cross section data from multiple experiments. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2019, vol. 79, no. 1, 68., Registrované v: WOS

2. [1.1] FORTE, Stefano - LEVY, Aharon - RIDOLFI, Giovanni. From My Vast Repertoire ... Guido Altarelli's Legacy Preface. In *FROM MY VAST REPERTOIRE ... : GUIDO ALTARELLI'S LEGACY*, 2019, pp. V-+., Registrované v: WOS

3. [1.1] HE, Yayun - CAO, Shanshan - CHEN, Wei - LUO, Tan - PANG, Long-Gang - WANG, Xin-Nian. Interplaying mechanisms behind single inclusive jet suppression in heavy-ion collisions. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 99, no. 5, 054911., Registrované v: WOS

ADCA32 ABELEV, B.I. - AGGARWAL, M.M. - AHAMMED, Z. - ANDERSON, B.D. - ARKHIPKIN, D. - FILIP, Peter. Global Lambda hyperon polarization in nuclear collisions. In *Nature*, 2017, vol. 548, no. 7665, p. 62-65. (2016: 40.137 - IF, Q1 - JCR, 18.389 - SJR, Q1 - SJR, karentované - CCC). (2017 - Current Contents). ISSN 0028-0836. Dostupné na: <https://doi.org/10.1038/nature23004>

Citácie:

1. [1.1] AN, Xin - BASAR, Gokce - STEPHANOV, Mikhail - YEE, Ho-Ung. Relativistic hydrodynamic fluctuations. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 100, no. 2, 024910., Registrované v: WOS

2. [1.1] BAUTISTA, I. - PAJARES, C. - RAMIREZ, J. E. String percolation in AA and p plus p collisions. In *REVISTA MEXICANA DE FISICA*. ISSN 0035-001X,

- 2019, vol. 65, no. 3, pp. 197-223., Registrované v: WOS
3. [1.1] BECATTINI, Francesco - CAO, Gaoqing - SPERANZA, Enrico. Polarization transfer in hyperon decays and its effect in relativistic nuclear collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2019, vol. 79, no. 9, 741., Registrované v: WOS
4. [1.1] BECATTINI, Francesco - FLORKOWSKI, Wojciech - SPERANZA, Enrico. Spin tensor and its role in non-equilibrium thermodynamics. In PHYSICS LETTERS B. ISSN 0370-2693, 2019, vol. 789, pp. 419-425., Registrované v: WOS
5. [1.1] BECATTINI, Francesco. Polarization and Chirality: the quantum features of the Quark Gluon Plasma. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2019, vol. 982, pp. 57-63., Registrované v: WOS
6. [1.1] BRAGUTA, V. V. - CHERNODUB, M. N. - KOTOV, A. Yu. - MOLOCHKOV, A. V. - NIKOLAEV, A. A. Finite-density QCD transition in a magnetic background field. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 100, no. 11, 114503., Registrované v: WOS
7. [1.1] CAO, Gaoqing - HE, Lianyi. Rotation induced charged pion condensation in a strong magnetic field: A Nambu-Jona-Lasino model study. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 100, no. 9, 094015., Registrované v: WOS
8. [1.1] CSERNAI, L. P. - KAPUSTA, J. - WELLE, T. Lambda and (Lambda)over-bar spin interaction with meson fields generated by the baryon current in high energy nuclear collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 2, 021901., Registrované v: WOS
9. [1.1] FLORKOWSKI, W. - FRIMAN, B. - JAISWAL, A. - RYBLEWSKI, R. - SPERANZA, E. Relativistic hydrodynamics with spin. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2019, vol. 982, pp. 523-526., Registrované v: WOS
10. [1.1] FLORKOWSKI, Wojciech - FRIMAN, Bengt - JAISWAL, Amaresh - RYBLEWSKI, Radoslaw - SPERANZA, Enrico. DYNAMICS OF RELATIVISTIC SPIN-POLARIZED FLUIDS. In ACTA PHYSICA POLONICA B PROCEEDINGS SUPPLEMENT. ISSN 1899-2358, 2019, vol. 12, no. 2, pp. 399-404., Registrované v: WOS
11. [1.1] FLORKOWSKI, Wojciech - KUMAR, Avdhesh - MAZELIAUSKAS, Aleksas - RYBLEWSKI, Radoslaw. Longitudinal spin polarization in a thermal model. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 5, 054907., Registrované v: WOS
12. [1.1] FLORKOWSKI, Wojciech - KUMAR, Avdhesh - RYBLEWSKI, Radoslaw - SINGH, Rajeev. Spin polarization evolution in a boost-invariant hydrodynamical background. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 4, 044910., Registrované v: WOS
13. [1.1] FLORKOWSKI, Wojciech - KUMAR, Avdhesh - RYBLEWSKI, Radoslaw. Convective stability of global thermodynamic equilibrium. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 1, 011901., Registrované v: WOS
14. [1.1] FLORKOWSKI, Wojciech - KUMAR, Avdhesh - RYBLEWSKI, Radoslaw. Relativistic hydrodynamics for spin-polarized fluids. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2019, vol. 108, UNSP 103709., Registrované v: WOS
15. [1.1] FLORKOWSKI, Wojciech. HYDRODYNAMICS WITH SPIN RECENT DEVELOPMENTS. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2019, vol. 50, no. 6, pp. 1047-1056., Registrované v: WOS
16. [1.1] FUKUSHIMA, Kenji - PU, Shi - QIU, Zebin. Eddy magnetization from the chiral Barnett effect. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 99, no. 3, 032105., Registrované v: WOS

17. [1.1] GAO, Jian-Hua - LIANG, Zuo-Tang. *Relativistic quantum kinetic theory for massive fermions and spin effects*. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2019, vol. 100, no. 5, 056021., Registrované v: WOS
18. [1.1] GAO, Jian-Hua - PANG, Jin-Yi - WANG, Qun. *Chiral vortical effect in Wigner function approach*. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2019, vol. 100, no. 1, 016008., Registrované v: WOS
19. [1.1] GUAN, Q. - KLINKHAMER, V. - KLEMT, R. - BECHER, J. H. - BERGSCHNEIDER, A. - PREISS, P. M. - JOCHIM, S. - BLUME, D. *Density Oscillations Induced by Individual Ultracold Two-Body Collisions*. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2019, vol. 122, no. 8, 083401., Registrované v: WOS
20. [1.1] GUO, Yu - SHI, Shuzhe - FENG, Shengqin - LIAO, Jinfeng. *Magnetic field induced polarization difference between hyperons and anti-hyperons*. In *PHYSICS LETTERS B*. ISSN 0370-2693, 2019, vol. 798, 134929., Registrované v: WOS
21. [1.1] HAN, Zhang-Zhu - XU, Jun. *Charge asymmetry dependence of the elliptic flow splitting in relativistic heavy-ion collisions*. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 99, no. 4, 044915., Registrované v: WOS
22. [1.1] HATTORI, Koichi - HIDAKA, Yoshimasa - YANG, Di-Lun. *Axial kinetic theory and spin transport for fermions with arbitrary mass*. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2019, vol. 100, no. 9, 096011., Registrované v: WOS
23. [1.1] HATTORI, Koichi - HONGO, Masaru - HUANG, Xu-Guang - MATSUO, Mamoru - TAYA, Hidetoshi. *Fate of spin polarization in a relativistic fluid: An entropy-current analysis*. In *PHYSICS LETTERS B*. ISSN 0370-2693, 2019, vol. 795, pp. 100-106., Registrované v: WOS
24. [1.1] HATTORI, Koichi - YAMAMOTO, Arata. *Meson deformation by magnetic fields in lattice QCD*. In *PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS*. ISSN 2050-3911, 2019, no. 4, 04B04., Registrované v: WOS
25. [1.1] HE, Y. - CAO, S. - WEI, W. - LUO, T. - PANG, L.G. - WANG, X.N. *E-by-e jet suppression, anisotropy, medium response and hard-soft tomography*. In *NUCLEAR PHYSICS A*. ISSN 0375-9474, 2019, vol. 982, pp. 635-638., Registrované v: WOS
26. [1.1] IRELAND, D. G. - DORING, M. - GLAZIER, D. - HAIDENBAUER, J. - MAI, M. - MURRAY-SMITH, R. - ROENCHEN, D. *Kaon Photoproduction and the Lambda Decay Parameter $\alpha(-)$* . In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2019, vol. 123, no. 18, 182301., Registrované v: WOS
27. [1.1] IVANOV, Yu B. - TONEEV, V. D. - SOLDATOV, A. A. *Estimates of hyperon polarization in heavy-ion collisions at collision energies root sNN=4-40 GeV*. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 100, no. 1, 014908., Registrované v: WOS
28. [1.1] IWASAKI, Sachio - OKA, Makoto - SUZUKI, Kei - YOSHIDA, Tetsuya. *Hadronic Paschen Back effect*. In *PHYSICS LETTERS B*. ISSN 0370-2693, 2019, vol. 790, pp. 71-76., Registrované v: WOS
29. [1.1] JIN, XiaoHai - CHEN, JinHui - LIN, ZiWei - MA, GuoLiang - MA, YuGang - ZHANG, Song. *Explore the QCD phase transition phenomena from a multiphase transport model*. In *SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY*. ISSN 1674-7348, 2019, vol. 62, no. 1, 11012., Registrované v: WOS
30. [1.1] KARPENKO, Iurii - BECATTINI, Francesco. *Lambda polarization in heavy ion collisions: from RHIC BES to LHC energies*. In *NUCLEAR PHYSICS*

- A. ISSN 0375-9474, 2019, vol. 982, pp. 519-522., Registrované v: WOS
31. [1.1] KASZA, Gabor - CSORGO, Tamas. Lifetime estimations from RHIC Au plus Au data. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2019, vol. 34, no. 26, 1950147., Registrované v: WOS
32. [1.1] KUMAR, Avdhesh. KINETIC APPROACH TO POLARIZATION-VORTICITY COUPLING AND HYDRODYNAMICS WITH SPIN. In ACTA PHYSICA POLONICA B PROCEEDINGS SUPPLEMENT. ISSN 1899-2358, 2019, vol. 12, no. 2, pp. 393-398., Registrované v: WOS
33. [1.1] KURIAN, Manu - CHANDRA, Vinod. Longitudinal conductivity of hot magnetized collisional QCD medium in the inhomogeneous electric field. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 99, no. 11, 116018., Registrované v: WOS
34. [1.1] KURIAN, Manu - DAS, Santosh K. - CHANDRA, Vinod. Heavy quark dynamics in a hot magnetized QCD medium. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 100, no. 7, 074003., Registrované v: WOS
35. [1.1] KURIAN, Manu - MITRA, Sukanya - GHOSH, Snigdha - CHANDRA, Vinod. Transport coefficients of hot magnetized QCD matter beyond the lowest Landau level approximation. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2019, vol. 79, no. 2, 134., Registrované v: WOS
36. [1.1] LI, Shiyong - YEE, Ho-Ung. Quantum kinetic theory of spin polarization of massive quarks in perturbative QCD: Leading log. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 100, no. 5, 056022., Registrované v: WOS
37. [1.1] MAO, Shijun - RISCHKE, Dirk H. Dynamically generated magnetic moment in the Wigner-function formalism. In PHYSICS LETTERS B. ISSN 0370-2693, 2019, vol. 792, pp. 149-155., Registrované v: WOS
38. [1.1] MCINNES, Brett. Applied holography of the AdS(5)-Kerr space-time. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2019, vol. 34, no. 24, 1950138., Registrované v: WOS
39. [1.1] MCINNES, Brett. Holography of low-centralty heavy ion collisions. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2019, vol. 34, no. 29, 1950174., Registrované v: WOS
40. [1.1] MONTENEGRO, David - TORRIERI, Giorgio. Causality and dissipation in relativistic polarizable fluids. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 100, no. 5, 056011., Registrované v: WOS
41. [1.1] NORONHA, Jorge. Collective effects in nuclear collisions: theory overview. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2019, vol. 982, pp. 78-84., Registrované v: WOS
42. [1.1] NORONHA-HOSTLER, J. - PAROTTO, P. - RATTI, C. - STAFFORD, J. M. Lattice-based equation of state at finite baryon number, electric charge, and strangeness chemical potentials. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 6, 064910., Registrované v: WOS
43. [1.1] RYBICKI, Andrzej - SZCZUREK, Antoni - KIELBOWICZ, Miroslaw - MARCINEK, Antoni - OZVENCHUK, Vitalii - ROZPŁOCHOWSKI, Lukasz. Rapidity distributions of pions in p plus p and Pb plus Pb collisions at energies available at the CERN Super Proton Synchrotron. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 2, 024908., Registrované v: WOS
44. [1.1] SACHKOU, Yauhen P. - BAKER, Christopher G. - HARRIS, Glen I. - STOCKDALE, Oliver R. - FORSTNER, Stefan - REEVES, Matthew T. - HE, Xin - MCAUSLAN, David L. - BRADLEY, Ashton S. - DAVIS, Matthew J. - BOWEN, Warwick P. Coherent vortex dynamics in a strongly interacting superfluid on a silicon chip. In SCIENCE. ISSN 0036-8075, 2019, vol. 366, no. 6472, pp. 1480-+, Registrované v: WOS

45. [1.1] SANTOS, M. G. L. N. - BARROS, C. C. Low energy kaon-hyperon interaction. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 99, no. 2, 025206., Registrované v: WOS
46. [1.1] SHI, Shuzhe - LI, Kangle - LIAO, Jinfeng. Searching for the subatomic swirls in the CuCu and CuAu collisions. In *PHYSICS LETTERS B*. ISSN 0370-2693, 2019, vol. 788, pp. 409-413., Registrované v: WOS
47. [1.1] SIDDIQUE, Irfan - LIANG, Zuo-tang - LISA, Michael Annan - WANG, Qun - XU, Zhang-bu. Alternative methods for measurement of the global polarization of Λ hyperons. In *CHINESE PHYSICS C*. ISSN 1674-1137, 2019, vol. 43, no. 1, 014103., Registrované v: WOS
48. [1.1] SINGH, Balbeer - BHATT, Jitesh R. - MISHRA, Hiranmaya. Probing vorticity in heavy ion collision with dilepton production. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2019, vol. 100, no. 1, 014016., Registrované v: WOS
49. [1.1] SINGH, Ranbir - ACHARYA, S. - ACOSTA, F. T. - et al. Spin alignment measurements using vector mesons with ALICE detector at the LHC. In *NUCLEAR PHYSICS A*. ISSN 0375-9474, 2019, vol. 982, pp. 515-518., Registrované v: WOS
50. [1.1] STRUCKMEIER, J. - MUENCH, J. - LIEBRICH, P. - IIANANUSKE, M. - KIRSCH, J. - VASAK, D. - SATAROV, L. - STOECKER, H. Canonical transformation path to gauge theories of gravity-II: Space-time coupling of spin-0 and spin-1 particle fields. In *INTERNATIONAL JOURNAL OF MODERN PHYSICS E*. ISSN 0218-3013, 2019, vol. 28, no. 1-2, 1950007., Registrované v: WOS
51. [1.1] SUN, Yifeng - KO, Che Ming. Azimuthal angle dependence of the longitudinal spin polarization in relativistic heavy ion collisions. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 99, no. 1, 011903., Registrované v: WOS
52. [1.1] SUN, Yifeng - KO, Che Ming. Probing the topological charge in QCD matter via multiplicity up-down asymmetry. In *PHYSICS LETTERS B*. ISSN 0370-2693, 2019, vol. 789, pp. 228-232., Registrované v: WOS
53. [1.1] TANNENBAUM, Michael J. Latest Results from RHIC. In *UNIVERSE*. ISSN 2218-1997, 2019, vol. 5, no. 6, 140., Registrované v: WOS
54. [1.1] TU, Zhoudunming. Search for the chiral magnetic effect and vorticity-induced polarization effects in nuclear collisions. In *NUCLEAR PHYSICS A*. ISSN 0375-9474, 2019, vol. 982, pp. 50-56., Registrované v: WOS
55. [1.1] WANG, Lingxiao - JIANG, Yin - HE, Lianyi - ZHUANG, Pengfei. Chiral vortices and pseudoscalar condensation due to rotation. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2019, vol. 100, no. 11, 114009., Registrované v: WOS
56. [1.1] WANG, Lingxiao - JIANG, Yin - HE, Lianyi - ZHUANG, Pengfei. Local suppression and enhancement of the pairing condensate under rotation. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 100, no. 3, 034902., Registrované v: WOS
57. [1.1] WEI, De-Xian - DENG, Wei-Tian - HUANG, Xu-Guang. Thermal vorticity and spin polarization in heavy-ion collisions. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 99, no. 1, 014905., Registrované v: WOS
58. [1.1] WEICKGENANNT, Nora - SHENG, Xin-li - SPERANZA, Enrico - WANG, Qun - RISCHKE, Dirk H. Kinetic theory for massive spin-1/2 particles from the Wigner-function formalism. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2019, vol. 100, no. 5, 056018., Registrované v: WOS
59. [1.1] WEICKGENANNT, Nora - SHENG, Xin-li - SPERANZA, Enrico - WANG, Qun - RISCHKE, Dirk H. Kinetic theory for massive spin-1/2 particles from the Wigner-function formalism. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2019, vol. 100, no. 5, 056018., Registrované v: WOS

60. [1.1] XIA, Xiao-Liang - LI, Hui - HUANG, Xu-Guang - HUANG, Huan Zhong. Feed-down effect on Lambda spin polarization. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 100, no. 1, 014913., Registrované v: WOS
61. [1.1] YE, Y. J. - MA, Y. G. - TANG, A. H. - WANG, G. Effect of magnetic fields on pairs of oppositely charged particles in ultrarelativistic heavy-ion collisions. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 99, no. 4, 044901., Registrované v: WOS
62. [1.1] ZHANG, Jun-jie - FANG, Ren-hong - WANG, Qun - WANG, Xin-Nian. Microscopic description for polarization in particle scattering. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 100, no. 6, 064904., Registrované v: WOS
63. [1.1] ZHAO, Jie - WANG, Fuqiang. Experimental searches for the chiral magnetic effect in heavy-ion collisions. In *PROGRESS IN PARTICLE AND NUCLEAR PHYSICS*. ISSN 0146-6410, 2019, vol. 107, pp. 200-236., Registrované v: WOS
64. [1.1] ZHOU, Chensheng. ϕ Meson and $K^*(0)$ Global Spin Alignment at STAR. In *NUCLEAR PHYSICS A*. ISSN 0375-9474, 2019, vol. 982, pp. 559-562., Registrované v: WOS

ADCA33 ABELEV, B.I. - AGGARWL, M.M. - AHAMMED, Z. - ANDERSON, B.D. - ARKHIPKIN, D. - FILIP, Peter. Neutral pion production in Au plus Au collisions at root s(NN)=200 GeV. In *Physical Review C*, 2009, vol. 80, no. 4, 044905. (2008: 3.124 - IF, 2.417 - SJR, Q1 - SJR, karentované - CCC). (2009 - Current Contents, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.80.044905>

Citácie:

1. [1.1] SHI, Shuzhe - LIAO, Jinfeng - GYULASSY, Miklos. Global constraints from RHIC and LHC on transport properties of QCD fluids in CUJET/CIBJET framework. In *CHINESE PHYSICS C*. ISSN 1674-1137, 2019, vol. 43, no. 4, 044101., Registrované v: WOS

ADCA34 ABELEV, B.I. - AGGARWAL, M.M. - AHAMMED, Z. - ANDERSON, B.D. - ARKHIPKIN, D. - FILIP, Peter. Spectra of identified high-p(T) $\pi^+(\pi^-)$ and $p(\bar{p})$ in Cu + Cu collisions at root s(NN)=200 GeV. In *Physical Review C*, 2010, vol. 81, no. 5, 054907. (2009: 3.477 - IF, 2.222 - SJR, Q1 - SJR, karentované - CCC). (2010 - Current Contents, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.81.054907>

Citácie:

1. [1.1] APOLINARIO, Liliana - MILHANO, Guilherme - SALGADO, Carlos A. - SALAM, Gavin. Unveiling the yoctosecond structure of the QGP with top quarks. In *NUCLEAR PHYSICS A*. ISSN 0375-9474, 2019, vol. 982, pp. 795-798., Registrované v: WOS

ADCA35 ABELEV, B.I. - AGGARWAL, M.M. - AHAMMED, Z. - ANDERSON, B.D. - ARKHIPKIN, D. - FILIP, Peter. Parton energy loss in heavy-ion collisions via direct-photon and charged-particle azimuthal correlations. In *Physical Review C*, 2010, vol. 82, no. 3, 034909. (2009: 3.477 - IF, 2.222 - SJR, Q1 - SJR, karentované - CCC). (2010 - Current Contents, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.82.034909>

Citácie:

1. [1.1] ADARE, A. - AFANASIEV, S. - AIDALA, C. - et al. Measurement of two-particle correlations with respect to second- and third-order event planes in Au plus Au collisions at root s(NN)=200 GeV. In *PHYSICAL REVIEW C*, 2019, vol. 99, no. 5, 054903., Registrované v: WOS

ADCA36 ABELEV, B.I. - AGGARWAL, M.M. - AHAMMED, Z. - ALAKHVERDYANTS,

A.V. - ANDERSON, B.D. - FILIP, Peter. Center of mass energy and system-size dependence of photon production at forward rapidity at RHIC. In Nuclear Physics A, 2010, vol. 832, no. 1-2, p. 134-147. (2009: 1.706 - IF, Q2 - JCR, 1.296 - SJR, Q1 - SJR, karentované - CCC). (2010 - Current Contents, SCOPUS). ISSN 0375-9474. Dostupné na: <https://doi.org/10.1016/j.nuclphysa.2009.11.011>

Citácie:

1. [1.1] SAHOO, Pragati - PAREEK, Pooja - TIWARI, Swatantra Kumar - SAHOO, Raghunath. Limiting fragmentation in high-energy nuclear collisions at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 4, 044906., Registrované v: WOS

ADCA37

ABELEV, B.I. - AGGARWAL, M.M. - AHAMMED, Z. - ANDERSON, B.D. - ARKHIPKIN, D. - FILIP, Peter. J/psi production at high transverse momenta in p plus and Cu plus Cu collisions at $\sqrt{s(NN)}=200$ GeV. In Physical Review C. Nuclear Physics, 2016, vol. 80, no. 4, 041902. (2015: 3.146 - IF, Q2 - JCR, 1.993 - SJR, Q1 - SJR, karentované - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.80.041902>

Citácie:

1. [1.1] ACHARYA, S. - ACOSTA, F. T. - ADAMOVA, D. - et al. Upsilon suppression at forward rapidity in Pb-Pb collisions at $\sqrt{s(NN)}=5.02$ TeV. In PHYSICS LETTERS B, 2019, vol. 790, pp. 89-101., Registrované v: WOS

2. [1.1] ADAM, J. - ADAMCZYK, L. - ADAMS, J. R. - et al. Measurements of the transverse-momentum-dependent cross sections of J/psi production at mid-rapidity in proton plus proton collisions at $\sqrt{s}=510$ and 500 GeV with the STAR detector. In PHYSICAL REVIEW D, 2019, vol. 100, no. 5, 052009., Registrované v: WOS

3. [1.1] CHENG, Peng - LUO, Xiaofeng - PING, Jialun - ZONG, Hongshi. Finite volume effects on the quarkonium dissociation temperature in an impenetrable QGP sphere. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 100, no. 1, 014027., Registrované v: WOS

4. [1.1] SAXENA, G. - KUMAWAT, M. - AGRAWAL, B. K. - AGGARWAL, Mamta. Anti-bubble effect of temperature & deformation: A systematic study for nuclei across all mass regions between $A=20-300$. In PHYSICS LETTERS B. ISSN 0370-2693, 2019, vol. 789, pp. 323-328., Registrované v: WOS

ADCA38

ABELEV, B.I. - AGGARWAL, M.M. - AHAMMED, Z. - ANDERSON, B.D. - ARKHIPKIN, D. - FILIP, Peter. Long range rapidity correlations and jet production in high energy nuclear collisions. In Physical Review C, 2009, vol. 80, no. 6, 064912. (2008: 3.124 - IF, 2.417 - SJR, Q1 - SJR, karentované - CCC). (2009 - Current Contents, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.80.064912>

Citácie:

1. [1.1] ACHARYA, S. - ADAMOVA, D. - ADOLFSSON, J. - et al. Azimuthal Anisotropy of Heavy-Flavor Decay Electrons in p-Pb Collisions at $\sqrt{s(NN)}=5.02$ TeV. In PHYSICAL REVIEW LETTERS, 2019, vol. 122, no. 7, 072301., Registrované v: WOS

2. [1.1] ADARE, A. - AFANASIEV, S. - AIDALA, C. - et al. Measurement of two-particle correlations with respect to second- and third-order event planes in Au plus Au collisions at $\sqrt{s(NN)}=200$ GeV. In PHYSICAL REVIEW C, 2019, vol. 99, no. 5, 054903., Registrované v: WOS

3. [1.1] AGOSTINI, Pedro - ALTINOLUK, Tolga - ARMESTO, Nestor. Effect of non-eikonal corrections on azimuthal asymmetries in the color glass condensate. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2019, vol. 79, no. 9., Registrované v: WOS

4. [1.1] AGOSTINI, Pedro - ALTINOLUK, Tolga - ARMESTO, Nestor. Non-eikonal corrections to multi-particle production in the color glass condensate. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2019, vol. 79, no. 7, 600., Registrované v: WOS
5. [1.1] BORSUK, Jozef. Multiplicity dependence of two-particle correlation in pp and pPb at the LHCb. In *ACTA PHYSICA POLONICA B*. ISSN 0587-4254, 2019, vol. 50, no. 6, pp. 1013-1017., Registrované v: WOS
6. [1.1] LI, G. L. - YANG, C. B. Azimuthal correlations of particles in a non-central rapidity region in high energy heavy ion collisions. In *JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS*. ISSN 0954-3899, 2019, vol. 46, no. 3, 035006., Registrované v: WOS
7. [1.1] SAHOO, Baidyanath - NANDI, Basanta Kumar - PUJAHARI, Prabhat - BASU, Sumit - PRUNEAU, Claude. Simulation studies of R-2(Delta eta, Delta phi) and P-2(Delta eta, Delta phi) correlation functions in pp collisions with the PYTHIA and HERWIG models. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 100, no. 2, 024909., Registrované v: WOS
8. [1.1] SIRUNYAN, A. M. - TUMASYAN, A. - ADAM, W. - et al. Observation of prompt J/psi meson elliptic flow in high-multiplicity pPb collisions at root s(NN)=8.16 TeV. In *PHYSICS LETTERS B*, 2019, vol. 791, pp. 172-194., Registrované v: WOS
9. [1.1] YI, Li. Study of Small Colliding Systems. In *NUCLEAR PHYSICS A*. ISSN 0375-9474, 2019, vol. 982, pp. 85-91., Registrované v: WOS

ADCA39

ABELEV, B.I. - AGGARWAL, M.M. - AHAMMED, Z. - ANDERSON, B.D. - ARKHIPKIN, D. - FILIP, Peter. Growth of long range forward-backward multiplicity correlations with centrality in Au plus Au Collisions at root s(NN)=200 GeV. In *Physical Review Letters*, 2009, vol. 103, no. 17, 172301. (2008: 7.180 - IF, Q1 - JCR, 6.194 - SJR, Q1 - SJR, karentované - CCC). (2009 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.103.172301>

Citácie:

1. [1.1] ACHARYA, S. - ADAMOVA, D. - ADOLFSSON, J. - et al. Two-particle differential transverse momentum and number density correlations in p-Pb collisions at 5.02 TeV and Pb-Pb collisions at 2.76 TeV at the CERN Large Hadron Collider. In *PHYSICAL REVIEW C*, 2019, vol. 100, no. 4, 044903., Registrované v: WOS
2. [1.1] BRONIOWSKI, Wojciech - OLSZEWSKI, Adam. PARTIAL CORRELATION ANALYSIS IN ULTRA-RELATIVISTIC NUCLEAR COLLISIONS. In *ACTA PHYSICA POLONICA B PROCEEDINGS SUPPLEMENT*. ISSN 1899-2358, 2019, vol. 12, no. 2, pp. 405-410., Registrované v: WOS
3. [1.1] CUAUTLE, Eleazar - DOMINGUEZ, Edgar - MALDONADO, Ivonne. Extraction of multiple parton interactions and color reconnection from forward-backward multiplicity correlations. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2019, vol. 79, no. 7, 626., Registrované v: WOS

ADCA40

ABELEV, B.I. - AGGARWAL, M.M. - AHAMMED, Z. - ANDERSON, B.D. - ARKHIPKIN, D. - FILIP, Peter. Azimuthal charged-particle correlations and possible local strong parity violation. In *Physical Review Letters*, 2009, vol. 103, no. 25, 251601. (2008: 7.180 - IF, Q1 - JCR, 6.194 - SJR, Q1 - SJR, karentované - CCC). (2009 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.103.251601>

Citácie:

1. [1.1] ADAM, J. - ADAMCZYK, L. - ADAMS, J. R. - et al. Charge-dependent

- pair correlations relative to a third particle in p plus Au and d plus Au collisions at RHIC. In PHYSICS LETTERS B, 2019, vol. 798, 134975., Registrované v: WOS*
2. [1.1] ADAMCZYK, L. - ADKINS, J. K. - AGAKISHIEV, G. - et al. Constraining the initial conditions and temperature dependent viscosity with three-particle correlations in Au plus Au collisions. In PHYSICS LETTERS B, 2019, vol. 790, pp. 81-88., Registrované v: WOS
 3. [1.1] CHENG, Yi-Lin - ZHANG, Song - MA, Yu-Gang - CHEN, Jin-Hui - ZHONG, Chen. Electromagnetic field from asymmetric to symmetric heavy-ion collisions at 200 GeV/c. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 5, 054906., Registrované v: WOS
 4. [1.1] KUNDU, Sourav - MALLICK, Dukhishyam - MOHANTY, Bedangadas. Study of charged particle multiplicity, average transverse momentum and azimuthal anisotropy in Xe plus Xe collisions at $\sqrt{s(NN)}=5.44$ TeV using AMPT model. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2019, vol. 55, no. 9, 157., Registrované v: WOS
 5. [1.1] PRATT, Scott - PLUMBERG, Christopher. Evolving charge correlations in a hybrid model with both hydrodynamics and hadronic Boltzmann descriptions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 4, 044916., Registrované v: WOS
 6. [1.1] SCHENKE, Bjorn - SHEN, Chun - TRIBEDY, Prithwish. Multiparticle and charge-dependent azimuthal correlations in heavy-ion collisions at the Relativistic Heavy-Ion Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 4, 044908., Registrované v: WOS
 7. [1.1] SHI, Shuzhe - ZHANG, Hui - HOU, Defu - LIAO, Jinfeng. Chiral Magnetic Effect in Isobaric Collisions from Anomalous-Viscous Fluid Dynamics (AVFD). In NUCLEAR PHYSICS A. ISSN 0375-9474, 2019, vol. 982, pp. 539-542., Registrované v: WOS
 8. [1.1] SIDDIQUE, Irfan - WANG, Ren-jie - PU, Shi - WANG, Qun. Anomalous magnetohydrodynamics with longitudinal boost invariance and chiral magnetic effect. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 99, no. 11, 114029., Registrované v: WOS
 9. [1.1] SUN, Yifeng - KO, Che Ming. Probing the topological charge in QCD matter via multiplicity up-down asymmetry. In PHYSICS LETTERS B. ISSN 0370-2693, 2019, vol. 789, pp. 228-232., Registrované v: WOS
 10. [1.1] TU, Zhoudunming - SIRUNYAN, A. M. - TUMASYAN, A. - et al. Search for the chiral magnetic effect at the LHC with the CMS experiment. In NUCLEAR PHYSICS A, 2019, vol. 982, pp. 527-530., Registrované v: WOS
 11. [1.1] TU, Zhoudunming. Search for the chiral magnetic effect and vorticity-induced polarization effects in nuclear collisions. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2019, vol. 982, pp. 50-56., Registrované v: WOS
 12. [1.1] YE, Y. J. - MA, Y. G. - TANG, A. H. - WANG, G. Effect of magnetic fields on pairs of oppositely charged particles in ultrarelativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 4, 044901., Registrované v: WOS
 13. [1.1] ZHANG, Cheng - DAVY, Manyika Kabuswa - SHI, Yu - WANG, Enke. Multiparticle azimuthal angular correlations in pA collisions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 99, no. 3, 034009., Registrované v: WOS
 14. [1.1] ZHAO, Jie - LI, Hanlin - WANG, Fuqiang. Isolating the chiral magnetic effect from backgrounds by pair invariant mass. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2019, vol. 79, no. 2, 168., Registrované v: WOS
 15. [1.1] ZHAO, Jie - WANG, Fuqiang. Experimental searches for the chiral

magnetic effect in heavy-ion collisions. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2019, vol. 107, pp. 200-236.,

Registrované v: WOS

16. [1.1] ZHAO, Xin-Li - MA, Guo-Liang - MA, Yu-Gang. *Impact of magnetic-field fluctuations on measurements of the chiral magnetic effect in collisions of isobaric nuclei. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 3, 034903., Registrované v: WOS*

17. [1.1] ZHOKHOV, R. N. - KLIMENKO, K. G. - KHUNJUA, T. G. *Pion Condensation in Hot Dense Quark Matter with Isospin and Chiral-Isospin Asymmetries within the Nambu-Jona-Lasinio Model. In MOSCOW UNIVERSITY PHYSICS BULLETIN. ISSN 0027-1349, 2019, vol. 74, no. 5, pp. 473-479., Registrované v: WOS*

18. [1.1] ZHOU, Wen-Hao - XU, Jun. *Simulating chiral anomalies with spin dynamics. In PHYSICS LETTERS B. ISSN 0370-2693, 2019, vol. 798, 134932., Registrované v: WOS*

19. [1.1] ZHU, Zhou-Run - FENG, Sheng-Qin - SHI, Ya-Fei - ZHONG, Yang. *Energy loss of heavy and light quarks in holographic magnetized background. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 99, no. 12, 126001., Registrované v: WOS*

ADCA41 ABELEV, B.I. - AGGARWAL, M.M. - AHAMMED, Z. - ANDERSON, B.D. - ARKHIPKIN, D. - 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. (2008: 7.180 - IF, Q1 - JCR, 6.194 - SJR, Q1 - SJR, karentované - CCC). (2009 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.102.052302>*

Citácie:

1. [1.1] ADARE, A. - AFANASIEV, S. - AIDALA, C. - *et al.* *Measurement of two-particle correlations with respect to second- and third-order event planes in Au plus Au collisions at root s(NN)=200 GeV. In PHYSICAL REVIEW C, 2019, vol. 99, no. 5, 054903., Registrované v: WOS*

2. [1.1] WEN, Dan - CASTILHO, Wagner Maciel - LIN, Kai - QIAN, Wei-Liang - HAMA, Yojiro - KODAMA, Takeshi. *On the peripheral tube description of the two-particle correlations in nuclear collisions. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2019, vol. 46, no. 3, 035103., Registrované v: WOS*

3. [1.1] ZHAO, Jie - WANG, Fuqiang. *Experimental searches for the chiral magnetic effect in heavy-ion collisions. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2019, vol. 107, pp. 200-236., Registrované v: WOS*

ADCA42 ABELEV, B.I. - AGGARWAL, M.M. - AHAMMED, Z. - ANDERSON, B.D. - ARKHIPKIN, D. - FILIP, Peter. *Beam-energy and system-size dependence of dynamical net charge fluctuations. In Physical Review C, 2009, vol. 79, no. 2, 024906. (2008: 3.124 - IF, 2.417 - SJR, Q1 - SJR, karentované - CCC). (2009 - Current Contents, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.79.024906>*

Citácie:

1. [1.1] ALI, Bushra - KHAN, Shaista - AHMAD, Shakeel. *Contributions of Jets in Net Charge Fluctuations from the Beam Energy Scan at RHIC and LHC. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2019, vol. 2019, 6034981., Registrované v: WOS*

2. [1.1] MALLI, Provash - GHOSH, Somnath - MUKHOPADHYAY, Amitabha. *System size dependence of net-charge fluctuation in nucleus-nucleus collisions at*

FAIR energies. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2019, vol. 46, no. 12, 125107., Registrované v: WOS
 3. [1.1] PRUNEAU, Claude A. Role of baryon number conservation in measurements of fluctuations. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 3, 034905., Registrované v: WOS
 4. [1.1] VECHERNIN, Vladimir - ANDRONOV, Evgeny. Strongly Intensive Observables in the Model with String Fusion. In UNIVERSE. ISSN 2218-1997, 2019, vol. 5, no. 1, 15., Registrované v: WOS

ADCA43

ABELEV, B.I. - AGGARWAL, M.M. - AHAMMED, Z. - ANDERSON, B.I. - ARKHIPKIN, D. - FILIP, Peter. Energy and system size dependence of phi meson production in Cu plus Cu and Au plus Au collisions. In Physics Letters B, 2009, vol. 673, no. 3, p. 183-191. (2008: 4.034 - IF, Q1 - JCR, 2.853 - SJR, Q1 - SJR, karentované - CCC). (2009 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2009.02.037>

Citácie:

1. [1.1] LIU, Feng-Xian - CHEN, Gang - SHE, Zhi-Lei - ZHENG, Liang - XIE, Yi-Long - DONG, Zi-Jian - ZHOU, Dai-Mei - SA, Ben-Hao. $H\text{-}3(\Lambda)$ and $(\bar{3})(\Lambda)$ production and characterization in Cu plus Cu collisions at root $s(\text{NN})=200$ GeV. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 3, 034904., Registrované v: WOS
 2. [1.1] LIU, Feng-Xian - CHEN, Gang - SHE, Zhi-Lei - ZHOU, Dai-Mei - XIE, Yi-Long. Light (anti)nuclei production in Cu plus Cu collisions at root $s(\text{NN})=200$ GeV. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2019, vol. 55, no. 9, 160., Registrované v: WOS
 3. [1.1] SIRUNYAN, A. M. - TUMASYAN, A. - ADAM, W. - et al. Measurement of $B\text{-}s(0)$ meson production in pp and PbPb collisions at root $S\text{-}NN=5.02$ TeV. In PHYSICS LETTERS B, 2019, vol. 796, pp. 168-190., Registrované v: WOS
 4. [1.1] XU, Peng-Zhi - ZHANG, Wei-Ning. Squeezed back-to-back correlations of bosons with nonzero widths in relativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 1, 014907., Registrované v: WOS

ADCA44

ABELEV, B.I. - AGGARWAL, M.M. - AHAMMED, Z. - ANDERSON, B.D. - ARKHIPKIN, D. - FILIP, Peter. Observation of two-source interference in the photoproduction reaction AuAu - AuAu $\rho(0)$. In Physical Review Letters, 2009, vol. 102, no. 11, 112301. (2008: 7.180 - IF, Q1 - JCR, 6.194 - SJR, Q1 - SJR, karentované - CCC). (2009 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.102.112301>

Citácie:

1. [1.1] ADAM, J. - ADAMCZYK, L. - ADAMS, J. R. - et al. Observation of Excess J/ψ Yield at Very Low Transverse Momenta in Au plus Au Collisions at root $S\text{-}NN=200$ GeV and U+U Collisions at root $S\text{-}NN=193$ GeV. In PHYSICAL REVIEW LETTERS, 2019, vol. 123, no. 13, 132302., Registrované v: WOS
 2. [1.1] KHOZE, V. A. - MARTIN, A. D. - RYSKIN, M. G. Exclusive vector meson production in heavy ion collisions. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2019, vol. 46, no. 8, 085002., Registrované v: WOS
 3. [1.1] ZHA, W. - RUAN, L. - TANG, Z. - XU, Z. - YANG, S. Double-slit experiment at Fermi scale: Coherent photoproduction in heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 6, 061901., Registrované v: WOS

ADCA45

ABELEV, B.I. - AGGARWAL, M.M. - AHAMMED, Z. - ANDERSON, B.D. - ARKHIPKIN, D. - FILIP, Peter. Systematic measurements of identified particle

spectra in pp, d plus Au, and Au plus Au collisions at the STAR detector. In *Physical Review C*, 2009, vol. 79, no. 3, 034909. (2008: 3.124 - IF, 2.417 - SJR, Q1 - SJR, karentované - CCC). (2009 - Current Contents, SCOPUS). ISSN 2469-9985.
Dostupné na: <https://doi.org/10.1103/PhysRevC.79.034909>

Citácie:

1. [1.1] ACHARYA, S. - TORALES-ACOSTA, F. - ADAMOVA, D. - et al. Centrality and pseudorapidity dependence of the charged-particle multiplicity density in Xe-Xe collisions at root $s(NN)=5.44$ TeV. In *PHYSICS LETTERS B*, 2019, vol. 790, pp. 35-48., Registrované v: WOS
2. [1.1] ADZHYMAMBETOV, M. D. - SHAPOVAL, V. M. - SINYUKOV, Yu. M. Description of bulk observables in Au plus Au collisions at top RHIC energy in the integrated hydrokinetic model. In *NUCLEAR PHYSICS A*. ISSN 0375-9474, 2019, vol. 987, pp. 321-336., Registrované v: WOS
3. [1.1] AJAZ, M. - BILAL, M. - ALI, Y. - SULEYMANOV, M. K. - KHAN, K. H. Models prediction of hadrons production ratios in pp collisions at root $s=7$ TeV. In *MODERN PHYSICS LETTERS A*. ISSN 0217-7323, 2019, vol. 34, no. 13, UNSP 1950090., Registrované v: WOS
4. [1.1] AJAZ, M. - TUFAIL, M. - ALI, Y. Production of light flavored charged hadron in pp collisions at 900 GeV with hadron production models. In *MODERN PHYSICS LETTERS A*. ISSN 0217-7323, 2019, vol. 34, no. 13, 1950100., Registrované v: WOS
5. [1.1] BHATTACHARYYA, Sumana - BISWAS, Deeptak - GHOSH, Sanjay K. - RAY, Rajarshi - SINGHA, Pracheta. Novel scheme for parametrizing the chemical freeze-out surface in heavy ion collision experiments. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2019, vol. 100, no. 5, 054037., Registrované v: WOS
6. [1.1] BRYSLAWSKYJ, Jason - ADARE, A. - AFANASIEV, S. - et al. PHENIX study of the initial state with forward hadron measurements in 200 GeV $p(d)+A$ and He-3+Au collisions. In *NUCLEAR PHYSICS A*, 2019, vol. 982, pp. 275-278., Registrované v: WOS
7. [1.1] DUSLING, Kevin - MACE, Mark - SKOKOV, Vladimir V. - TRIBEDY, Prithwish - VENUGOPALAN, Raju. Multiparticle correlations and collectivity in small systems from the initial state. In *NUCLEAR PHYSICS A*. ISSN 0375-9474, 2019, vol. 982, pp. 495-498., Registrované v: WOS
8. [1.1] GAO, Li-Na - LIU, Fu-Hu - LI, Bao-Chun. Rapidity Dependent Transverse Momentum Spectra of Heavy Quarkonia Produced in Small Collision Systems at the LHC. In *ADVANCES IN HIGH ENERGY PHYSICS*. ISSN 1687-7357, 2019, vol. 2019, 6739315., Registrované v: WOS
9. [1.1] GIANNINI, Andre - GRASSI, Frederique - LUZUM, Matthew. Bulk quantities in nuclear collisions from running-coupling $k(T)$ factorization and hybrid simulations. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 100, no. 1, 014912., Registrované v: WOS
10. [1.1] HE, Min - RAPP, Ralf. Charm-baryon production in proton-proton collisions. In *PHYSICS LETTERS B*. ISSN 0370-2693, 2019, vol. 795, pp. 117-121., Registrované v: WOS
11. [1.1] HUI, Jia-Qi - JIANG, Zhi-Jin. A Description of Transverse Momentum Distributions in p plus p Collisions at RHIC and LHC Energies. In *ADVANCES IN HIGH ENERGY PHYSICS*. ISSN 1687-7357, 2019, vol. 2019, 8372416., Registrované v: WOS
12. [1.1] IVANOV, Yu B. - TONEEV, V. D. - SOLDATOV, A. A. Estimates of hyperon polarization in heavy-ion collisions at collision energies root $s_{NN}=4-40$ GeV. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 100, no. 1, 014908., Registrované v: WOS

13. [1.1] LAO, Hai-Ling - GAO, Ya-Qin - LIU, Fu-Hu. Energy Dependent Chemical Potentials of Light Particles and Quarks from Yield Ratios of Antiparticles to Particles in High Energy Collisions. In *UNIVERSE*, 2019, vol. 5, no. 6, 152., Registrované v: WOS
14. [1.1] LI, Hanlin - LIN, Zi-Wei - WANG, Fuqiang. Charm quarks are more hydrodynamic than light quarks in final-state elliptic flow. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 99, no. 4, 044911., Registrované v: WOS
15. [1.1] NAGLE, J. L. - ZAJC, W. A. Assessing saturation physics explanations of collectivity in small collision systems with the IP-JAZMA model. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 99, no. 5, 054908., Registrované v: WOS
16. [1.1] NIEMI, H. - ESKOLA, K. J. - PAATELAINEN, R. - TUOMINEN, K. Latest predictions from the EbyE NLO EKRT model. In *NUCLEAR PHYSICS A*. ISSN 0375-9474, 2019, vol. 982, pp. 443-446., Registrované v: WOS
17. [1.1] RATH, Rutuparna - TRIPATHY, Sushanta - SAHOO, Raghunath - DE, Sudipan - YOUNUS, Mohammed. Identified-particle production in Xe plus Xe collisions at root $s(NN)=5.44$ TeV using a multiphase transport model. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 99, no. 6, 064903., Registrované v: WOS
18. [1.1] RAY, R. L. - JENTSCH, A. Phenomenological models of two-particle correlation distributions on transverse momentum in relativistic heavy-ion collisions. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 99, no. 2, 024911., Registrované v: WOS
19. [1.1] SAHOO, Pragati - TIWARI, Swatantra Kumar - DE, Sudipan - SAHOO, Raghunath - SCHARENBERG, Rolf P. - SRIVASTAVA, Brijesh K. Thermodynamic and transport properties in Au plus Au collisions at RHIC energies from the clustering of color strings. In *MODERN PHYSICS LETTERS A*. ISSN 0217-7323, 2019, vol. 34, no. 4, 1950034., Registrované v: WOS
20. [1.1] SCHENKE, Bjorn - SCHLICHTING, Soren - TRIBEDY, Prithwish - VENUGOPALAN, Raju. Hadronic observables in p plus p and d plus Au collisions at RHIC using CGC plus PYTHIA. In *NUCLEAR PHYSICS A*. ISSN 0375-9474, 2019, vol. 982, pp. 263-266., Registrované v: WOS
21. [1.1] SCHENKE, Bjorn - SHEN, Chun - TRIBEDY, Prithwish. Multiparticle and charge-dependent azimuthal correlations in heavy-ion collisions at the Relativistic Heavy-Ion Collider. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 99, no. 4, 044908., Registrované v: WOS
22. [1.1] SHEN, Diyu - CHEN, Jinhui - MA, Guoliang - MA, Yu-Gang - SHOU, Qiye - ZHANG, Song - ZHONG, Chen. Charge asymmetry dependence of flow and a novel correlator to detect the chiral magnetic wave in a multiphase transport model. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 100, no. 6, 064907., Registrované v: WOS
23. [1.1] SRIVASTAVA, P. K. - SINGH, Arpit - CHATURVEDI, O. S. K. - RAINA, P. K. - SINGH, B. K. Transverse momentum distribution of charged hadrons based on wounded quark model. In *EUROPEAN PHYSICAL JOURNAL A*. ISSN 1434-6001, 2019, vol. 55, no. 5, 69., Registrované v: WOS
24. [1.1] WANG, Feng-Tao - XU, Jun. Hadronization using the Wigner function approach for a multiphase transport model. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 100, no. 6, 064909., Registrované v: WOS
25. [1.1] WANG, Qi - LIU, Fu-Hu. Initial and Final State Temperatures of Antiproton Emission Sources in High Energy Collisions. In *INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS*. ISSN 0020-7748, 2019, vol. 58, no. 12, pp. 4119-4138., Registrované v: WOS
26. [1.1] WAQAS, M. - LIU, F-H - FAKHRADDIN, S. - RAHIM, M. A. Possible

scenarios for single, double, or multiple kinetic freeze-out in high-energy collisions. In *INDIAN JOURNAL OF PHYSICS*. ISSN 0973-1458, 2019, vol. 93, no. 10, pp. 1329-1343., Registrované v: WOS

27. [1.1] XU, Xinyuan - RAPP, Ralf. Production of light nuclei at thermal freezeout in ultrarelativistic heavy-ion collisions. In *EUROPEAN PHYSICAL JOURNAL A*. ISSN 1434-6001, 2019, vol. 55, no. 5, 68., Registrované v: WOS

28. [1.1] YU, Ning - LUO, Xiaofeng. Particle decay from statistical thermal model in high-energy nucleus-nucleus collisions. In *EUROPEAN PHYSICAL JOURNAL A*. ISSN 1434-6001, 2019, vol. 55, no. 2, 26., Registrované v: WOS

29. [1.1] ZHANG YIFEI - XIE GUANNAN - ZHANG SHENGHUI - DONG XIN. Heavy flavor hadron measurement at RHIC. In *SCIENTIA SINICA-PHYSICA MECHANICA & ASTRONOMICA*. ISSN 1674-7275, 2019, vol. 49, no. 10, UNSP 102003., Registrované v: WOS

30. [1.1] ZHANG, Chao - ZHENG, Liang - LIU, Feng - SHI, Shusu - LIN, Zi-Wei. Update of a multiphase transport model with modern parton distribution functions and nuclear shadowing. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 99, no. 6, 064906., Registrované v: WOS

31. [1.1] ZHANG, Yong - YANG, Jing - WU, Weihua. Squeezed back-to-back correlations of $K^+ K^-$ in $d + Au$ collisions at root $S\text{-NN}=200$ GeV and Au plus Au collisions at root $S\text{-NN}=62.4$ GeV. In *CHINESE PHYSICS C*. ISSN 1674-1137, 2019, vol. 43, no. 7, 074105., Registrované v: WOS

32. [1.1] ZHAO, Jie - LI, Hanlin - WANG, Fuqiang. Isolating the chiral magnetic effect from backgrounds by pair invariant mass. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2019, vol. 79, no. 2, 168., Registrované v: WOS

ADCA46

ABELEV, B.I. - AGGARWAL, M.M. - AHAMMED, Z. - ANDERSON, B.D. - ARKHIPKIN, D. - FILIP, Peter. Measurements of phi meson production in relativistic heavy-ion collisions at the BNL relativistic heavy ion collider (RHIC). In *Physical Review C*, 2009, vol. 79, no. 6, 064903. (2008: 3.124 - IF, 2.417 - SJR, Q1 - SJR, karentované - CCC). (2009 - Current Contents, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.79.064903>

Citácie:

1. [1.1] ADAM, J. - ADAMCZYK, L. - ADAMS, J. R. - et al. Centrality and transverse momentum dependence of D -0-meson production at mid-rapidity in Au plus Au collisions at root $S\text{-NN}=200$ GeV. In *PHYSICAL REVIEW C*, 2019, vol. 99, no. 3, 034908., Registrované v: WOS

2. [1.1] ARAKELYAN, G. H. - MERINO, C. - SHABELSKI, Yu M. Theoretical description of hadroproduction and production on nuclear targets of phi-mesons at very high energies. In *XIII INTERNATIONAL CONFERENCE ON BEAUTY, CHARM AND HYPERON HADRONS (BEACH 2018)*. ISSN 1742-6588, 2019, vol. 1137, UNSP 012045., Registrované v: WOS

3. [1.1] BHATTACHARYA, Sumana - BISWAS, Deeptak - GHOSH, Sanjay K. - RAY, Rajarshi - SINGHA, Pracheta. Novel scheme for parametrizing the chemical freeze-out surface in heavy ion collision experiments. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2019, vol. 100, no. 5, 054037., Registrované v: WOS

4. [1.1] HE, Xing-Wei - WEI, Hua-Rong - LIU, Fu-Hu. Chemical potentials of light hadrons and quarks from yield ratios of negative to positive particles in high energy pp collisions. In *JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS*. ISSN 0954-3899, 2019, vol. 46, no. 2, 025102., Registrované v: WOS

5. [1.1] KLOCHKOV, V - SELYUZHENKOV, I - ADUSZKIEWICZ, A. - et al. Hidden strangeness shines in NA61/SHINE. In *NUCLEAR PHYSICS A*, 2019, vol. 982, pp. 855-858., Registrované v: WOS

6. [1.1] KORNAKOV, Georgy - GALATYUK, Tetyana. An iterative method to

estimate the combinatorial background. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2019, vol. 55, no. 11, 204., Registrované v: WOS
 7. [1.1] XU, Peng-Zhi - ZHANG, Wei-Ning. Squeezed back-to-back correlations of bosons with nonzero widths in relativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 1, 014907., Registrované v: WOS

ADCA47 ABELEV, B.I. - AGGARWAL, M.M. - AHAMMED, Z. - ANDERSON, B.D. - ARKHIPKIN, D. - FILIP, Peter. Pion interferometry in Au plus Au and Cu plus Cu collisions at $\sqrt{s(NN)}$ =62.4 and 200 GeV. In Physical Review C, 2009, vol. 80, no. 2, 024905. (2008: 3.124 - IF, 2.417 - SJR, Q1 - SJR, karentované - CCC). (2009 - Current Contents, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.80.024905>

Citácie:

1. [1.2] PÓRFY, Barnabás. NA61/ShINE Lévy HBT measurements in Be+Be collisions at 150A GeV/C. In ACTA PHYSICA POLONICA B, Proceedings Supplement. ISSN 18992358, 2019-01-01, vol. 12, no. 2, pp. 451-456., Registrované v: SCOPUS

ADCA48 ABELEV, B.I. - AGGARWAL, M.M. - AHAMMED, Z. - ANDERSON, B.D. - ARKHIPKIN, D. - FILIP, Peter. K/pi fluctuations at relativistic energies. In Physical Review Letters, 2009, vol. 103, no. 9, 092301. (2008: 7.180 - IF, Q1 - JCR, 6.194 - SJR, Q1 - SJR, karentované - CCC). (2009 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.103.092301>

Citácie:

1. [1.1] ACHARYA, S. - ADAMOVA, D. - ADOLFSSON, J. - et al. Relative particle yield fluctuations in Pb-Pb collisions at root $s(NN)$ =2.76 TeV. In EUROPEAN PHYSICAL JOURNAL C, 2019, vol. 79, no. 3, 236., Registrované v: WOS
 2. [1.1] PRUNEAU, Claude A. Role of baryon number conservation in measurements of fluctuations. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 3, 034905., Registrované v: WOS

ADCA49 ABELEV, B.I. - AGGARWAL, M.M. - AHAMMED, Z. - ANDERSON, B.D. - ARKHIPKIN, D. - FILIP, Peter. Global polarization measurement in Au plus Au collisions. In Physical Review C, 2007, vol. 76, no. 2, 024915. (2006: 3.327 - IF, 1.625 - SJR, Q1 - SJR, karentované - CCC). (2007 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.76.024915>

Citácie:

1. [1.1] CSERNAI, L. P. - KAPUSTA, J. - WELLE, T. Lambda and (Lambda)over-bar spin interaction with meson fields generated by the baryon current in high energy nuclear collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 2., Registrované v: WOS
 2. [1.1] FLORKOWSKI, Wojciech - KUMAR, Avdhesh - RYBLEWSKI, Radoslaw - SINGH, Rajeev. Spin polarization evolution in a boost-invariant hydrodynamical background. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 4., Registrované v: WOS
 3. [1.1] FUKUSHIMA, Kenji - PU, Shi - QIU, Zebin. Eddy magnetization from the chiral Barnett effect. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 99, no. 3., Registrované v: WOS
 4. [1.1] HAN, Zhang-Zhu - XU, Jun. Charge asymmetry dependence of the elliptic flow splitting in relativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 4., Registrované v: WOS
 5. [1.1] SANTOS, M. G. L. N. - BARROS, C. C. Low energy kaon-hyperon

interaction. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 99, no. 2., Registrované v: WOS

6. [1.1] SIDDIQUE, Irfan - LIANG, Zuo-tang - LISA, Michael Annan - WANG, Qun - XU, Zhang-bu. Alternative methods for measurement of the global polarization of Λ hyperons. In *CHINESE PHYSICS C*. ISSN 1674-1137, 2019, vol. 43, no. 1., Registrované v: WOS

7. [1.1] SINGH, Ranbir - ACHARYA, S. - ACOSTA, F. T. - et al. Spin alignment measurements using vector mesons with ALICE detector at the LHC. In *NUCLEAR PHYSICS A*, 2019, vol. 982, pp. 515-518., Registrované v: WOS

8. [1.1] TU, Zhoudunming. Search for the chiral magnetic effect and vorticity-induced polarization effects in nuclear collisions. In *NUCLEAR PHYSICS A*. ISSN 0375-9474, 2019, vol. 982, pp. 50-56., Registrované v: WOS

9. [1.1] YE, Y. J. - MA, Y. G. - TANG, A. H. - WANG, G. Effect of magnetic fields on pairs of oppositely charged particles in ultrarelativistic heavy-ion collisions. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 99, no. 4., Registrované v: WOS

ADCA50 ADAMCZEWSKI-MUSCH, J. - ARNOLD, O. - ATOMSSA, E.T. - BEHNKE, C. - BELOUNNAS, A. - FILIP, Peter - HLAVÁČ, Stanislav. Delta(1232) Dalitz decay in proton-proton collisions at $T=1.25$ GeV measured with HADES at GSI. In *Physical Review C*, 2017, vol. 95, no. 6, art. no. 065205. (2016: 3.820 - IF, Q1 - JCR, 1.936 - SJR, Q1 - SJR, karentované - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.95.065205>

Citácie:

1. [1.1] LALIK, Rafal. Status and perspectives of hyperon production and electromagnetic decays with HADES at FAIR. In *XIII INTERNATIONAL CONFERENCE ON BEAUTY, CHARM AND HYPERON HADRONS (BEACH 2018)*. ISSN 1742-6588, 2019, vol. 1137, UNSP 012057., Registrované v: WOS

ADCA51 ADAMCZEWSKI-MUSCH, J. - ARNOLD, O. - BEHNKE, C. - BELOUNNAS, A. - BELYAEV, A. - FILIP, Peter - HLAVÁČ, Stanislav. A facility for pion-induced nuclear reaction studies with HADES. In *European Physical Journal A*, 2017, vol. 53, no. 9, p. 188. (2016: 2.833 - IF, Q2 - JCR, 0.561 - SJR, Q3 - SJR, karentované - CCC). (2017 - Current Contents). ISSN 1434-6001. Dostupné na: <https://doi.org/10.1140/epja/i2017-12365-7>

Citácie:

1. [1.2] PARYEV, E. Ya. Near-threshold η meson production in π reactions. In *Nuclear Physics A*. ISSN 03759474, 2019, vol. 988, pp. 24-35., Registrované v: SCOPUS

2. [1.2] SALABURA, Piotr. Studying baryonic matter with HADES at GSI/FAIR. In *Acta Physica Polonica B*. ISSN 05874254, 2019, vol. 50, no. 6, pp. 1205-1216., Registrované v: SCOPUS

ADCA52 ADAMCZEWSKI-MUSCH, J. - AGAKISHIEV, G. - ARNOLD, O. - ATOMSSA, E.T. - BEHNKE, C. - HLAVÁČ, Stanislav. Lambda p interaction studied via femtoscopy in p+Nb reactions at $S\text{-square}=3.18$ GeV. In *Physical Review C. Nuclear Physics*, 2016, vol. 94, no. 2, art. no. 025201. (2015: 3.146 - IF, Q2 - JCR, 1.993 - SJR, Q1 - SJR, karentované - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.94.025201>

Citácie:

1. [1.1] HAIDENBAUER, J. Coupled-channel effects in hadron-hadron correlation functions. In *NUCLEAR PHYSICS A*. ISSN 0375-9474, 2019, vol. 981, pp. 1-16., Registrované v: WOS

ADCA53 ADAMCZEWSKI-MUSCH, J. - ARNOLD, O. - BEHNKE, C. - BELOUNNAS, A. - BELYAEV, A. - FILIP, Peter - HLAVÁČ, Stanislav. Deep sub-threshold phi

production in Au plus Au collisions. In Physics Letters B, 2018, vol. 778, p. 403-407. (2017: 4.254 - IF, Q1 - JCR, 2.336 - SJR, Q1 - SJR, karentované - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2018.01.048>

Citácie:

1. [1.1] PIASECKI, K. - HRRMANN, N. - AVERBECK, R. - et al. *Wide-acceptance measurement of the K^-/K^+ ratio from Ni plus Ni collisions at 1.91A GeV. In PHYSICAL REVIEW C, 2019, vol. 99, no. 1, 014904., Registrované v: WOS*

2. [1.1] STEINBERG, V - STAUDENMAIER, J. - OLIINYCHENKO, D. - et al. *Strangeness production via resonances in heavy-ion collisions at energies available at the GSI Schwerionensynchrotron. In PHYSICAL REVIEW C, 2019, vol. 99, no. 6, 064908., Registrované v: WOS*

ADCA54 ADAMCZEWSKI-MUSCH, J. - AGAKISHIEV, G. - ARNOLD, O. - ATOMSSA, E.T. - BEHNKE, E. - HLAVÁČ, Stanislav. $\Sigma(0)$ production in proton nucleus collisions near threshold. In Physics Letters B, 2018, vol. 781, no. 10, p. 735 - 740. (2017: 4.254 - IF, Q1 - JCR, 2.336 - SJR, Q1 - SJR, karentované - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2018.02.043>

Citácie:

1. [1.1] ACHARYA, S. - ADAMOVA, D. - ADOLFSSON, J. - et al. *p - p , p - Λ , and Λ - Λ correlations studied via femtoscopy in pp reactions at root $s=7$ TeV. In PHYSICAL REVIEW C, 2019, vol. 99, no. 2, 024001., Registrované v: WOS*

ADCA55 ADAMCZYK, J. - ADKINS, J.K. - AGAKISHIEV, G. - AGGARWAL, M.M. - AHAMMED, Z. - FILIP, Peter. Bulk properties of the medium produced in relativistic heavy-ion collisions from the beam energy scan program. In Physical Review C, 2017, vol. 96, no. 4, art. no. 044904. (2016: 3.820 - IF, Q1 - JCR, 1.936 - SJR, Q1 - SJR, karentované - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.96.044904>

Citácie:

1. [1.1] , Shanjin - SONG, Huichao. *Universal scaling of conserved charge in stochastic diffusion dynamics. In CHINESE PHYSICS C. ISSN 1674-1137, 2019, vol. 43, no. 8, 084103., Registrované v: WOS*

2. [1.1] ALBA, P. - OLIVA, L. *Balance of attractive and repulsive hadronic interactions: The influence of hadronic spectrum and excluded-volume effects on lattice thermodynamics, and consequences for experiments. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 5, 055207., Registrované v: WOS*

3. [1.1] BAZAVOV, A. - DING, H-T - HEGDE, R. - KACZMAREK, O. - KARSCH, F. - KARTHIK, N. - LAERMANN, E. - LAHIRI, Anirban - LARSEN, R. - LI, S-T - MUKHERJEE, Swagato - OHNO, H. - PETRECZKY, R. - SANDMEYER, H. - SCHMIDT, C. - SHARMA, S. - STEINBRECHER, R. *Chiral crossover in QCD at zero and non-zero chemical potentials HotQCD Collaboration. In PHYSICS LETTERS B. ISSN 0370-2693, 2019, vol. 795, pp. 15-21., Registrované v: WOS*

4. [1.1] BELLWIED, R. - NORONHA-HOSTLER, J. - PAROTTO, P. - VAZQUEZ, I. Portillo - RATTI, C. - STAFFORD, J. M. *Freeze-out temperature from net-kaon fluctuations at energies available at the BNL Relativistic Heavy Ion Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 3, 034912., Registrované v: WOS*

5. [1.1] BHATTACHARYYA, Sumana - BISWAS, Deeptak - GHOSH, Sanjay K. - RAY, Rajarshi - SINGHA, Pracheta. *Novel scheme for parametrizing the chemical freeze-out surface in heavy ion collision experiments. In PHYSICAL REVIEW D.*

- ISSN 2470-0010, 2019, vol. 100, no. 5, 054037., Registrované v: WOS
6. [1.1] BIALAS, Andrzej - BZDAK, Adam - KOCH, Volker. Femtoscopy of stopped protons. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 99, no. 3, 034906., Registrované v: WOS
7. [1.1] COSTA, Pedro - PEREIRA, Renan. Phase Diagram, Scalar-Pseudoscalar Meson Behavior and Restoration of Symmetries in (2+1) Polyakov-Nambu-Jona-Lasinio Model. In *SYMMETRY-BASEL*, 2019, vol. 11, no. 4, 507., Registrované v: WOS
8. [1.1] FISCHER, Christian S. QCD at finite temperature and chemical potential from Dyson-Schwinger equations. In *PROGRESS IN PARTICLE AND NUCLEAR PHYSICS*. ISSN 0146-6410, 2019, vol. 105, pp. 1-60., Registrované v: WOS
9. [1.1] FU, Wei-jie - PAWLOWSKI, Jan M. - RENNECKE, Fabian. Strangeness neutrality and baryon-strangeness correlations. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2019, vol. 100, no. 11, 111501., Registrované v: WOS
10. [1.1] GALATYUK, Tetyana. Future facilities for high mu(B) physics. In *NUCLEAR PHYSICS A*. ISSN 0375-9474, 2019, vol. 982, pp. 163-169., Registrované v: WOS
11. [1.1] GHOSH, Snigdha - SAMANTA, Subhasis - GHOSH, Sabyasachi - MISHRA, Hiranmaya. Viscosity calculations from hadron resonance gas model: Finite size effect. In *INTERNATIONAL JOURNAL OF MODERN PHYSICS E*. ISSN 0218-3013, 2019, vol. 28, no. 9, 1950036., Registrované v: WOS
12. [1.1] GONCALVES, Kayman J. - GIANNINI, Andre - CHINELLATO, David D. - TORRIERI, Giorgio. Limiting fragmentation as an initial-state probe in heavy ion collisions. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 100, no. 5, 054901., Registrované v: WOS
13. [1.1] HE, Xing-Wei - WEI, Hua-Rong - LIU, Fu-Hu. Chemical potentials of light hadrons and quarks from yield ratios of negative to positive particles in high energy pp collisions. In *JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS*. ISSN 0954-3899, 2019, vol. 46, no. 2, 025102., Registrované v: WOS
14. [1.1] ISHIHARA, Masamichi. Chiral phase transition within the linear sigma model in the Tsallis nonextensive statistics based on density operator. In *INTERNATIONAL JOURNAL OF MODERN PHYSICS E*. ISSN 0218-3013, 2019, vol. 28, no. 4, 1950020., Registrované v: WOS
15. [1.1] ISSERSTEDT, Philipp - BUBALLA, Michael - FISCHER, Christian S. - GUNKEL, Pascal J. Baryon number fluctuations in the QCD phase diagram from Dyson-Schwinger equations. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2019, vol. 100, no. 7, 074011., Registrované v: WOS
16. [1.1] IVANOV, Yu B. - TONEEV, V. D. - SOLDATOV, A. A. Estimates of hyperon polarization in heavy-ion collisions at collision energies root sNN=4-40 GeV. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 100, no. 1, 014908., Registrované v: WOS
17. [1.1] JIN, XiaoHai - CHEN, JinHui - LIN, ZiWei - MA, GuoLiang - MA, YuGang - ZHANG, Song. Explore the QCD phase transition phenomena from a multiphase transport model. In *SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY*. ISSN 1674-7348, 2019, vol. 62, no. 1, 11012., Registrované v: WOS
18. [1.1] KURIAN, Manu - MITRA, Sukanya - GHOSH, Snigdha - CHANDRA, Vinod. Transport coefficients of hot magnetized QCD matter beyond the lowest Landau level approximation. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2019, vol. 79, no. 2, 134., Registrované v: WOS
19. [1.1] LAO, Hai-Ling - GAO, Ya-Qin - LIU, Fu-Hu. Energy Dependent Chemical Potentials of Light Particles and Quarks from Yield Ratios of

- Antiparticles to Particles in High Energy Collisions. In UNIVERSE, 2019, vol. 5, no. 6, 152., Registrované v: WOS*
20. [1.1] LI, Zhibin - XU, Kun - WANG, Xinyang - HUANG, Mei. The kurtosis of net baryon number fluctuations from a realistic Polyakov-Nambu-Jona-Lasinio model along the experimental freeze-out line. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2019, vol. 79, no. 3, 245., Registrované v: WOS
21. [1.1] LIU, He - WANG, Feng-Tao - SUN, Kai-Jia - XU, Jun - KO, Che Ming. Isospin splitting of pion elliptic flow in relativistic heavy-ion collisions. In PHYSICS LETTERS B. ISSN 0370-2693, 2019, vol. 798, 135002., Registrované v: WOS
22. [1.1] MOREAU, Pierre - SOLOVEVA, Olga - OLIVA, Lucia - SONG, Taesoo - CASSING, Wolfgang - BRATKOVSKAYA, Elena. Exploring the partonic phase at finite chemical potential within an extended off-shell transport approach. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 1, 014911., Registrované v: WOS
23. [1.1] PARRA, R. A. - UDDIN, S. - INAM-UL BASHIR - NANDA, H. - BASHIR, W. - AHMAD, R. Study of Pion Transverse Momentum Distributions in Ultra-Relativistic Heavy Ion Collisions: A USTFM Approach. In JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS. ISSN 1063-7761, 2019, vol. 129, no. 2, pp. 217-228., Registrované v: WOS
24. [1.1] PISARSKI, Robert D. - SKOKOV, Vladimir V. - TSVELIK, Alexei M. Fluctuations in cool quark matter and the phase diagram of quantum chromodynamics. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 99, no. 7, 074025., Registrované v: WOS
25. [1.1] RATTI, Claudia - BELLWIED, Rene - NORONHA-HOSTLER, Jacquelyn - PAROTTO, Paolo - VAZQUEZ, Israel Portillo - STAFFORD, Jamie M. Analysis of Kaon fluctuations from the beam energy scan at RHIC. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2019, vol. 982, pp. 799-802., Registrované v: WOS
26. [1.1] SAHOO, Pragati - TIWARI, Swatantra Kumar - DE, Sudipan - SAHOO, Raghunath - SCHARENBERG, Rolf P. - SRIVASTAVA, Brijesh K. Thermodynamic and transport properties in Au plus Au collisions at RHIC energies from the clustering of color strings. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2019, vol. 34, no. 4, 1950034., Registrované v: WOS
27. [1.1] SAMANTA, Subhasis - CHATTERJEE, Sandeep - MOHANTY, Bedangadas. Exploring the hadron resonance gas phase on the QCD phase diagram. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2019, vol. 46, no. 6, 065106., Registrované v: WOS
28. [1.1] SHEN, Chun - SCHENKE, Bjorn. Dynamical initialization and hydrodynamic modeling of relativistic heavy-ion collisions. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2019, vol. 982, pp. 411-414., Registrované v: WOS
29. [1.1] SHURYAK, Edward - TORRES-RINCON, Juan M. Baryon clustering at the critical line and near the hypothetical critical point in heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 2, 024903., Registrované v: WOS
30. [1.1] SHURYAK, Edward - TORRES-RINCON, Juan. Baryon Clustering at the critical line and near the hypothetical critical point. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2019, vol. 982, pp. 831-834., Registrované v: WOS
31. [1.1] SIRUNYAN, A. M. - TUMASYAN, A. - ADAM, W. - et al. Centrality and pseudorapidity dependence of the transverse energy density in pPb collisions at $\sqrt{s(NN)}=5.02$ TeV. In PHYSICAL REVIEW C, 2019, vol. 100, no. 2, 024902., Registrované v: WOS

32. [1.1] STEINBERG, V - STAUDENMAIER, J. - OLIINYCHENKO, D. - LI, F. - ERKINER, O. - ELFNER, H. Strangeness production via resonances in heavy-ion collisions at energies available at the GSI Schwerionensynchrotron. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 99, no. 6, 064908., Registrované v: WOS
 33. [1.1] TOKAREV, M. V. - KECHECHYAN, A. O. - ZBOROVSKY, I. Self-Similarity of Negative Particle Production in Au plus Au Collisions at STAR. In *PHYSICS OF PARTICLES AND NUCLEI LETTERS*. ISSN 1547-4771, 2019, vol. 16, no. 5, pp. 508-513., Registrované v: WOS
 34. [1.1] VOVCHENKO, Volodymyr - DOENIGUS, Benjamin - STOECKER, Horst. Canonical statistical model analysis of p-p, p-Pb, and Pb-Pb collisions at energies available at the CERN Large Hadron Collider. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 100, no. 5, 054906., Registrované v: WOS
 35. [1.1] WANG, Feng-Tao - XU, Jun. Hadronization using the Wigner function approach for a multiphase transport model. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 100, no. 6, 064909., Registrované v: WOS
 36. [1.1] WANG, Qi - LIU, Fu-Hu. Initial and Final State Temperatures of Antiproton Emission Sources in High Energy Collisions. In *INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS*. ISSN 0020-7748, 2019, vol. 58, no. 12, pp. 4119-4138., Registrované v: WOS
 37. [1.1] WEN, Rui - HUANG, Chuang - FU, Wei-jie. Baryon number fluctuations in the 2+1 flavor low energy effective model. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2019, vol. 99, no. 9, 094019., Registrované v: WOS
 38. [1.1] XIA, Xiao-Liang - LI, Hui - HUANG, Xu-Guang - HUANG, Huan Zhong. Feed-down effect on Lambda spin polarization. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 100, no. 1, 014913., Registrované v: WOS
 39. [1.1] XU, Zhenyu - LIU, Jianli - ZHANG, Panpan - WEI, Donghai - ZHANG, Jingbo - HUO, Lei. Elliptic flow of hadrons in Au plus Au collisions at root S-NN=7.7, 19.6 and 39 GeV from a multi-phase transport model based on a dynamical quark coalescence mechanism. In *JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS*. ISSN 0954-3899, 2019, vol. 46, no. 7, 075102., Registrované v: WOS
 40. [1.1] YU, Ning - LUO, Xiaofeng. Particle decay from statistical thermal model in high-energy nucleus-nucleus collisions. In *EUROPEAN PHYSICAL JOURNAL A*. ISSN 1434-6001, 2019, vol. 55, no. 2, 26., Registrované v: WOS
- ADCA56 ADAMCZYK, L. - ADKINS, J.K. - AGAKISHIEV, G. - AGGARWAL, M.M. - AHAMMED, Z. - FILIP, Peter. Measurement of charge multiplicity asymmetry correlations in high-energy nucleus-nucleus collisions at root S-NN=200 GeV. In *Physical Review C. Nuclear physics*, 2014, vol. 89, no. 4, 044908. (2013: 3.881 - IF, karentované - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.89.044908>

Citácie:

1. [1.1] RYBALKA, D. O. - GORBAR, E. V. - SHOVKOVY, I. A. Hydrodynamic modes in a magnetized chiral plasma with vorticity. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2019, vol. 99, no. 1, 016017., Registrované v: WOS
2. [1.1] YE, Y. J. - MA, Y. G. - TANG, A. H. - WANG, G. Effect of magnetic fields on pairs of oppositely charged particles in ultrarelativistic heavy-ion collisions. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 99, no. 4, 044901., Registrované v: WOS
3. [1.1] ZHAO, Jie - LI, Hanlin - WANG, Fuqiang. Isolating the chiral magnetic effect from backgrounds by pair invariant mass. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2019, vol. 79, no. 2, 168., Registrované v: WOS

4. [1.1] ZHAO, Jie - WANG, Fuqiang. Experimental searches for the chiral magnetic effect in heavy-ion collisions. In *PROGRESS IN PARTICLE AND NUCLEAR PHYSICS*. ISSN 0146-6410, 2019, vol. 107, pp. 200-236.,

Registrované v: WOS

5. [1.1] ZHAO, Xin-Li - MA, Guo-Liang - MA, Yu-Gang. Impact of magnetic-field fluctuations on measurements of the chiral magnetic effect in collisions of isobaric nuclei. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 99, no. 3, 034903., Registrované v: WOS

ADCA57

ADAMCZYK, L. - ADKINS, J.K. - AGAKISHIEV, G. - AGGARWAL, M.M. - AHAMMED, Z. - FILIP, Peter. J/psi production at low p(T) in Au plus Au and Cu plus Cu collisions at root s(NN)=200 GeV with the STAR detector. In *Physical Review C*, 2014, vol. 90, no. 2, 024906. (2013: 3.881 - IF, karentované - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 2469-9985.

Citácie:

1. [1.1] CHENG, Peng - LUO, Xiaofeng - PING, Jialun - ZONG, Hongshi. Finite volume effects on the quarkonium dissociation temperature in an impenetrable QGP sphere. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2019, vol. 100, no. 1, 014027., Registrované v: WOS

2. [1.1] ELLER, Alexander M. - GHIGLIERI, Jacopo - MOORE, Guy D. Thermal quarkonium mass shift from Euclidean correlators. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2019, vol. 99, no. 9, 094042., Registrované v: WOS

3. [1.1] WANG, Hai - CHEN, Jin-Hui - MA, Yu-Gang - ZHANG, Song. Charm hadron azimuthal angular correlations in Au plus Au collisions at root s(NN)=200 GeV from parton scatterings. In *NUCLEAR SCIENCE AND TECHNIQUES*. ISSN 1001-8042, 2019, vol. 30, no. 12, 185., Registrované v: WOS

ADCA58

ADAMCZYK, L. - ADKINS, J.K. - AGAKISHIEV, G. - AGGARWAL, M.M. - AHAMMED, Z. - FILIP, Peter. Dielectron azimuthal anisotropy at mid-rapidity in Au plus Au collisions at root s(NN)=200 GeV. In *Physical Review C*, 2014, vol. 90, no. 6, 064904. (2013: 3.881 - IF, karentované - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 2469-9985.

Citácie:

1. [1.1] DITTERT, D. Electromagnetic radiation from Au. In *UKRAINIAN JOURNAL OF PHYSICS*. ISSN 2071-0186, 2019, vol. 64, no. 7, pp. 560-565., Registrované v: WOS

2. [1.1] HARABASZ, Szymon - ADAMCZEWSKI-MUSCH, J. - ARNOLD, O. - et al. Multi-differential pattern of low-mass e(+)e(-) excess from root S-NN=2.4 GeV Au+Au collisions with HADES. In *NUCLEAR PHYSICS A*. ISSN 0375-9474, 2019, vol. 982, pp. 771-774., Registrované v: WOS

ADCA59

ADAMCZYK, L. - ADKINS, J.K. - AGAKISHIEV, G. - AGGARWAL, M.M. - AHAMMED, Z. - FILIP, Peter. Measurement of D-0 azimuthal anisotropy at midrapidity in Au plus Au collisions at root S-NN=200 GeV. In *Physical Review Letters*, 2017, vol. 118, no. 21, art. no. 212301. (2016: 8.462 - IF, Q1 - JCR, 4.196 - SJR, Q1 - SJR, karentované - CCC). (2017 - Current Contents). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.118.212301>

Citácie:

1. [1.1] ACHARYA, S. - ADAMOVA, D. - ADOLFSSON, J. - et al. Azimuthal Anisotropy of Heavy-Flavor Decay Electrons in p-Pb Collisions at root s(NN)=5.02 TeV. In *PHYSICAL REVIEW LETTERS*, 2019, vol. 122, no. 7, 072301., Registrované v: WOS

2. [1.1] BERAUDO, Andrea - DE PACE, Arturo - MONTENO, Marco - NARDI, Marzia - PRINO, Francesco. Event-shape engineering and heavy-flavour

- observables in relativistic heavy-ion collisions. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2019, vol. 79, no. 6, 494., Registrované v: WOS
3. [1.1] BRAMBILLA, Nora - ESCOBEDO, Miguel A. - VAIRO, Antonio - VANDER GRIEND, Peter. Transport coefficients from in-medium quarkonium dynamics. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2019, vol. 100, no. 5, 054025., Registrované v: WOS
4. [1.1] CHATTERJEE, Sandeep - BOZEK, Piotr. Strong directed flow of heavy flavor as a probe of matter distribution in heavy-ion collisions. In *NUCLEAR PHYSICS A*. ISSN 0375-9474, 2019, vol. 982, pp. 679-682., Registrované v: WOS
5. [1.1] DONG, Xin - LEE, Yen-Jie - RAPP, Ralf. Open Heavy-Flavor Production in Heavy-Ion Collisions. In *ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE*, VOL 69. ISSN 0163-8998, 2019, vol. 69, no., pp. 417-445., Registrované v: WOS
6. [1.1] HACHIYA, Takashi - ADARE, A. - AFANASIEV, S. - et al. Nuclear modification factor and flow of charm and bottom quarks in Au plus Au collisions at root $S_{NN}=200$ GeV by the PHENIX Experiment. In *NUCLEAR PHYSICS A*, 2019, vol. 982, pp. 663-666., Registrované v: WOS
7. [1.1] LI, Shuang - WANG, Chaowen - WANG, Renzhuo - LIAO, Jinfeng. Probing the transport properties of quark-gluon plasma via heavy-flavor Boltzmann and Langevin dynamics. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 99, no. 5, 054909., Registrované v: WOS
8. [1.1] PLUMARI, S. - COCI, G. - DAS, S. K. - MINISALE, V. - GRECO, V. Transport properties from Charm to Bottom: $p(T)$ suppression, anisotropic flow $v(n)$ and their correlations to the bulk dynamics. In *NUCLEAR PHYSICS A*. ISSN 0375-9474, 2019, vol. 982, pp. 655-658., Registrované v: WOS
9. [1.1] SHI, Shuzhe - LIAO, Jinfeng - GYULASSY, Miklos. Global constraints from RHIC and LHC on transport properties of QCD fluids in CUJET/CIBJET framework. In *CHINESE PHYSICS C*. ISSN 1674-1137, 2019, vol. 43, no. 4, 044101., Registrované v: WOS
10. [1.1] SIRUNYAN, A. M. - TUMASYAN, A. - ADAM, W. - et al. Observation of prompt J/ψ meson elliptic flow in high-multiplicity pPb collisions at root $s(NN)=8.16$ TeV. In *PHYSICS LETTERS B*, 2019, vol. 791, pp. 172-194., Registrované v: WOS
11. [1.1] WANG, Hai - CHEN, Jin-Hui - MA, Yu-Gang - ZHANG, Song. Charm hadron azimuthal angular correlations in Au plus Au collisions at root $s(NN)=200$ GeV from parton scatterings. In *NUCLEAR SCIENCE AND TECHNIQUES*. ISSN 1001-8042, 2019, vol. 30, no. 12, 185., Registrované v: WOS
12. [1.1] WANG, Sa - DAI, Wei - ZHANG, Ben-Wei - WANG, Enke. Diffusion of charm quarks in jets in high-energy heavy-ion collisions. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2019, vol. 79, no. 9., Registrované v: WOS
13. [1.1] YU, Gong-Ming - CAI, Yan-Bing - BAI, Zhen - HU, Qiang. Centrality Dependence of Charmed-Meson Photoproduction in Ultrarelativistic Heavy Ion Collisions. In *COMMUNICATIONS IN THEORETICAL PHYSICS*. ISSN 0253-6102, 2019, vol. 71, no. 5, pp. 563-567., Registrované v: WOS
14. [1.1] ZHANG YIFEI - XIE GUANNAN - ZHANG SHENGHUI - DONG XIN. Heavy flavor hadron measurement at RHIC. In *SCIENTIA SINICA-PHYSICA MECHANICA & ASTRONOMICA*. ISSN 1674-7275, 2019, vol. 49, no. 10, UNSP 102003., Registrované v: WOS

hadron plus jet distributions in Au plus Au collisions at $\sqrt{s(NN)}=200$ GeV. In *Physical Review C*, 2017, vol. 96, no. 2, art. no. 024905. (2016: 3.820 - IF, Q1 - JCR, 1.936 - SJR, Q1 - SJR, karentované - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.96.024905>

Citácie:

1. [1.1] ACHARYA, S. - ADAMOVA, D. - ADHYA, S. P. - et al. Measurement of jet radial profiles in Pb-Pb collisions at $\sqrt{s(NN)}=2.76$ TeV. In *PHYSICS LETTERS B*, 2019, vol. 796, pp. 204-219., Registrované v: WOS
2. [1.1] BISWAS, Rathijit - CHOUDHURY, Subikash - PRASAD, Sidharth Kumar - DAS, Supriya. Study of jet-medium interactions using jet shape observables in heavy ion collisions at LHC energies with JEWEL. In *JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS*. ISSN 0954-3899, 2019, vol. 46, no. 9, 095004., Registrované v: WOS
3. [1.1] GYULASSY, M. - LEVAL, P. - LIAO, J. - SHI, S. - YUAN, F. - WANG, X. N. Precision Dijet Acoplanarity Tomography of the Chromo Structure of Perfect QCD Fluids. In *NUCLEAR PHYSICS A*. ISSN 0375-9474, 2019, vol. 982, pp. 627-630., Registrované v: WOS
4. [1.1] HAAKE, Rudiger - LOIZIDES, Constantin. Machine-learning-based jet momentum reconstruction in heavy-ion collisions. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 99, no. 6, 064904., Registrované v: WOS
5. [1.1] JIANG, Kun - ADAM, J. - ADAMCZYK, L. - et al. Systematic Studies of Jet-medium Interactions in STAR. In *NUCLEAR PHYSICS A*, 2019, vol. 982, pp. 607-610., Registrované v: WOS
6. [1.1] KLEIN, Spencer - MUELLER, A. H. - XIAO, Bo-Wen - YUAN, Feng. Acoplanarity of a Lepton Pair to Probe the Electromagnetic Property of Quark Matter. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2019, vol. 122, no. 13, 132301., Registrované v: WOS
7. [1.1] LI, Hai Tao - VITEV, Ivan. Inverting the mass hierarchy of jet quenching effects with prompt b-jet substructure. In *PHYSICS LETTERS B*. ISSN 0370-2693, 2019, vol. 793, pp. 259-264., Registrované v: WOS
8. [1.1] LIU, Xiaohui - RINGER, Felix - VOGELSANG, Werner - YUAN, Feng. Lepton-Jet Correlations in Deep Inelastic Scattering at the Electron-Ion Collider. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2019, vol. 122, no. 19, 192003., Registrované v: WOS
9. [1.1] QIU, Jian-Wei - RINGER, Felix - SATO, Nobuo - ZURITA, Pia. Factorization of Jet Cross Sections in Heavy-Ion Collisions. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2019, vol. 122, no. 25, 252301., Registrované v: WOS
10. [1.1] SIEVERT, Matthew D. - VITEV, Ivan - YOON, Boram. A complete set of in-medium splitting functions to any order in opacity. In *PHYSICS LETTERS B*. ISSN 0370-2693, 2019, vol. 795, pp. 502-510., Registrované v: WOS
11. [1.1] ZAKHAROV, B. G. Radiative Contribution to $p(\text{perpendicular to})$ Broadening of Fast Partons in a Quark-Gluon Plasma. In *JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS*. ISSN 1063-7761, 2019, vol. 129, no. 4, pp. 521-540., Registrované v: WOS

ADCA61

ADAMCZYK, L. - ADAMS, J. R. - ADKINS, J. K. - AGAKISHIEV, G. - AGGARWAL, M. M. - FILIP, Peter. Measurement of the $H(3\Lambda)$ lifetime in Au plus Au collisions at the BNL Relativistic Heavy Ion Collider. In *Physical Review C*, 2018, vol. 97, no. 5, 054909. (2017: 3.304 - IF, Q2 - JCR, 1.443 - SJR, Q1 - SJR, karentované - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.97.054909>

Citácie:

1. [1.1] ACHARYA, S. - ADAMOVA, D. - ADHYA, S. P. - et al. $H\text{-}3(\Lambda)$ and $3(\overline{\Lambda})\overline{(H)}$ lifetime measurement in Pb-Pb collisions at $\sqrt{s(NN)}=5.02$ TeV via two-body decay. In *PHYSICS LETTERS B*, 2019, vol. 797, UNSP 134905., Registrované v: WOS
2. [1.1] BRAUN-MUNZINGER, Peter - DOENIGUS, Benjamin. Loosely-bound objects produced in nuclear collisions at the LHC. In *NUCLEAR PHYSICS A*. ISSN 0375-9474, 2019, vol. 987, pp. 144-201., Registrované v: WOS
3. [1.1] DOENIGUS, Benjamin. Highlights of the production of (anti-) (hyper-)nuclei and exotica with ALICE at the LHC. In *INTERNATIONAL WORKSHOP ON DISCOVERY PHYSICS AT THE LHC (KRUGER2018)*. ISSN 1742-6588, 2019, vol. 1271, 012001., Registrované v: WOS
4. [1.1] GAL, A. - GARCILAZO, H. Towards resolving the $H\text{-}3(\Lambda)$ lifetime puzzle. In *PHYSICS LETTERS B*. ISSN 0370-2693, 2019, vol. 791, pp. 48-53., Registrované v: WOS
5. [1.1] HARADA, Tom - HIRABAYASHI, Yoshiharu. Production of a $He\text{-}4(\Lambda)$ hypernucleus in the $He\text{-}4(\pi, K)$ reactions reexamined. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 100, no. 2, 024605., Registrované v: WOS
6. [1.1] LIU, Peng - CHEN, Jinhui - KEANE, Declan - XU, Zhangbu - MA, Yu-Gang. Recalibration of the binding energy of hypernuclei measured in emulsion experiments and its implications. In *CHINESE PHYSICS C*. ISSN 1674-1137, 2019, vol. 43, no. 12, 124001., Registrované v: WOS
7. [1.1] MEOTO, E. F. - LEKALA, M. L. Effective Λ -proton and Λ -neutron potentials from subthreshold inverse scattering. In *JOURNAL OF PHYSICS COMMUNICATIONS*. ISSN 2399-6528, 2019, vol. 3, no. 9, UNSP 095018., Registrované v: WOS
8. [1.1] TROGOLO, Stefano - ACHARYA, S. - ACOSTA, F. T. - et al. Addressing the hypertriton lifetime puzzle with ALICE at the LHC. In *NUCLEAR PHYSICS A*, 2019, vol. 982, pp. 815-818., Registrované v: WOS

ADCA62

ADAMCZYK, L. - ADKINS, J. K. - AGAKISHIEV, G. - AGGARWAL, M. M. - AHAMMED, Z. - FILIP, Peter. Coherent diffractive photoproduction of $\rho(0)$ mesons on gold nuclei at 200 GeV/nucleon-pair at the Relativistic Heavy Ion Collider. In *Physical Review C*, 2017, vol. 96, no. 5, art. no. 054904. (2016: 3.820 - IF, Q1 - JCR, 1.936 - SJR, Q1 - SJR, karentované - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.96.054904>

Citácie:

1. [1.1] DREMIN, I. M. Geometry of ultraperipheral nuclear collisions. In *INTERNATIONAL JOURNAL OF MODERN PHYSICS A*. ISSN 0217-751X, 2019, vol. 34, no. 12, 1950068., Registrované v: WOS
2. [1.1] KHOZE, V. A. - MARTIN, A. D. - RYSKIN, M. G. Exclusive vector meson production in heavy ion collisions. In *JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS*. ISSN 0954-3899, 2019, vol. 46, no. 8, 085002., Registrované v: WOS
3. [1.1] KLEIN, Spencer R. - XIE, Ya-Ping. Photoproduction of charged final states in ultraperipheral collisions and electroproduction at an electron-ion collider. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 100, no. 2, 024620., Registrované v: WOS
4. [1.1] LOMNITZ, Michael - KLEIN, Spencer. Exclusive vector meson production at an electron-ion collider. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 99, no. 1, 015203., Registrované v: WOS

5. [1.1] SIRUNYAN, A. M. - TUMASYAN, A. - ADAM, W. - et al. Measurement of exclusive $\rho(770)(0)$ photoproduction in ultraperipheral pPb collisions at root $s(NN)=5.02$ TeV. In EUROPEAN PHYSICAL JOURNAL C, 2019, vol. 79, no. 8, 702., Registrované v: WOS

ADCA63

ADAMCZYK, L. - ADKINS, J. K. - AGAKISHIEV, G. - AGGARWAL, M. M. - AHAMMED, Z. - FILIP, Peter. Measurement of the cross section and longitudinal double-spin asymmetry for dijet production in polarized pp collisions at root $s=200$ GeV. In Physical Review D, 2017, vol. 95, no. 7, art. no. 071103. (2016: 4.557 - IF, Q1 - JCR, 2.115 - SJR, Q1 - SJR, karentované - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.95.071103>

Citácie:

1. [1.1] DE FLORIAN, Daniel - AGUSTIN LUCERO, Gonzalo - SASSOT, Rodolfo - STRATMANN, Marco - VOGELSANG, Werner. Monte Carlo sampling variant of the DSSV14 set of helicity parton densities. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 100, no. 11, 114027., Registrované v: WOS

ADCA64

ADAMCZYK, L. - ADKINS, J. K. - AGAKISHIEV, G. - AGGARWAL, M. M. - AHAMMED, Z. - FILIP, Peter. Dijet imbalance measurements in Au plus Au and pp collisions at root $s(NN)=200$ GeV at STAR. In Physical Review Letters, 2017, vol. 119, no. 6, art. no. 062301. (2016: 8.462 - IF, Q1 - JCR, 4.196 - SJR, Q1 - SJR, karentované - CCC). (2017 - Current Contents). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.119.062301>

Citácie:

1. [1.1] KANG, Zhong-Bo - REITEN, Jared - VITEV, Ivan - YOON, Boram. Light and heavy flavor dijet production and dijet mass modification in heavy ion collisions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 99, no. 3, 034006., Registrované v: WOS

ADCA65

ADAMCZYK, L. - ADAMS, J. R. - ADKINS, J. K. - AGAKISHIEV, G. - AGGARWAL, M. M. - FILIP, Peter. Collision energy dependence of moments of net-kaon multiplicity distributions at RHIC. In Physics Letters B, 2018, vol. 785, p. 551-560. (2017: 4.254 - IF, Q1 - JCR, 2.336 - SJR, Q1 - SJR, karentované - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2018.07.066>

Citácie:

1. [1.1] ALBA, P. - OLIVA, L. Balance of attractive and repulsive hadronic interactions: The influence of hadronic spectrum and excluded-volume effects on lattice thermodynamics, and consequences for experiments. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 5, 055207., Registrované v: WOS
2. [1.1] BELLWIED, R. - NORONHA-HOSTLER, J. - PAROTTO, P. - VAZQUEZ, I. Portillo - RATTI, C. - STAFFORD, J. M. Freeze-out temperature from net-kaon fluctuations at energies available at the BNL Relativistic Heavy Ion Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 3, 034912., Registrované v: WOS
3. [1.1] BLUHM, Marcus - NAHRGANG, Marlene. Freeze-out conditions from strangeness observables at RHIC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2019, vol. 79, no. 2, 155., Registrované v: WOS
4. [1.1] CASELLE, Michele - MAGNOLI, Nicodemo - NADA, Alessandro - PANERO, Marco - SCANAVINO, Marcello. Conformal perturbation theory confronts lattice results in the vicinity of a critical point. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 100, no. 3, 034512., Registrované v: WOS
5. [1.1] COSTA, Pedro - PEREIRA, Renan. Phase Diagram, Scalar-Pseudoscalar Meson Behavior and Restoration of Symmetries in (2+1) Polyakov-Nambu-Jona-

Lasinio Model. In SYMMETRY-BASEL, 2019, vol. 11, no. 4, 507., Registrované v: WOS

6. [1.1] FAN, Wenkai - LUO, Xiaofeng - ZONG, Hongshi. Probing the QCD phase structure with higher order baryon number susceptibilities within the NJL model. In CHINESE PHYSICS C. ISSN 1674-1137, 2019, vol. 43, no. 3, 033103., Registrované v: WOS

7. [1.1] FAN, Wenkai - LUO, Xiaofeng - ZONG, Hongshi. Second to tenth order susceptibilities of conserved charges within a modified Nambu-Jona-Lasinio model. In CHINESE PHYSICS C. ISSN 1674-1137, 2019, vol. 43, no. 5, 054109., Registrované v: WOS

8. [1.1] LUO, Xiaofeng - NONAKA, Toshihiro. Efficiency correction for cumulants of multiplicity distributions based on track-by-track efficiency. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 4, 044917., Registrované v: WOS

9. [1.1] OLIINYCHENKO, Dmytro - KOCH, Volker. Microcanonical Particlization with Local Conservation Laws. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 123, no. 18, 182302., Registrované v: WOS

10. [1.1] PANDAV, Ashish - MALLICK, Debasish - MOHANTY, Bedangadas. Effect of limited statistics on higher order cumulants measurement in heavy-ion collision experiments. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2019, vol. 991, UNSP 121608., Registrované v: WOS

11. [1.1] ROGLY, Rudolph - GIACALONE, Giuliano - OLLITRAULT, Jean-Yves. Isolating dynamical net-charge fluctuations. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 3, 034902., Registrované v: WOS

12. [1.1] SIRUNYAN, A. M. - TUMASYAN, A. - ADAM, W. - et al. Measurement of B-s(0) meson production in pp and PbPb collisions at root S-NN=5.02 TeV. In PHYSICS LETTERS B, 2019, vol. 796, pp. 168-190., Registrované v: WOS

13. [1.1] SUGIURA, Tetsuro - NONAKA, Toshihiro - ESUMI, Shinichi. Volume fluctuation and multiplicity correlation in higher-order cumulants. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 4, 044904., Registrované v: WOS

14. [1.1] VOVCHENKO, Volodymyr - STOECKER, Horst. THERMAL-FIST: A package for heavy-ion collisions and hadronic equation of state. In COMPUTER PHYSICS COMMUNICATIONS. ISSN 0010-4655, 2019, vol. 244, pp. 295-310., Registrované v: WOS

15. [1.1] WANG, Fei - CAO, Yakun - ZONG, Hongshi. Novel self-consistent mean field approximation and its application in strong interaction phase transitions. In CHINESE PHYSICS C. ISSN 1674-1137, 2019, vol. 43, no. 8, 084102., Registrované v: WOS

16. [1.1] YANG, Li-Kang - LUO, Xiaofeng - ZONG, Hong-Shi. QCD phase diagram in chiral imbalance with self-consistent mean field approximation. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 100, no. 9, 094012., Registrované v: WOS

17. [1.1] YU, Ning - LUO, Xiaofeng. Particle decay from statistical thermal model in high-energy nucleus-nucleus collisions. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2019, vol. 55, no. 2, 26., Registrované v: WOS

ADCA66

ADAMCZYK, L. - ADKINS, J.K. - AGAKISHIEV, G. - AGGARWAL, M.M. - AHAMMED, Z. - FILIP, Peter. Elliptic flow of electrons from heavy-flavor hadron decays in Au plus Au collisions at root s(NN)=200, 62.4, and 39 GeV. In Physical Review C, 2017, vol. 95, no. 3, art. no. 034907. (2016: 3.820 - IF, Q1 - JCR, 1.936 - SJR, Q1 - SJR, karentované - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.95.034907>

Citácie:

1. [1.1] ACHARYA, S. - ADAMOVA, D. - ADOLFSSON, J. - et al. *Azimuthal Anisotropy of Heavy-Flavor Decay Electrons in p-Pb Collisions at root s(NN)=5.02 TeV. In PHYSICAL REVIEW LETTERS, 2019, vol. 122, no. 7, 072301., Registrované v: WOS*
2. [1.1] ZHANG YIFEI - XIE GUANNAN - ZHANG SHENGHUI - DONG XIN. *Heavy flavor hadron measurement at RHIC. In SCIENTIA SINICA-PHYSICA MECHANICA & ASTRONOMICA. ISSN 1674-7275, 2019, vol. 49, no. 10, UNSP 102003., Registrované v: WOS*

ADCA67

ADAMCZYK, L. - ADAMS, J.R. - ADKINS, J.K. - AGAKISHIEV, G. - AGGARWAL, M.M. - FILIP, Peter. Azimuthal transverse single-spin asymmetries of inclusive jets and charged pions within jets from polarized-proton collisions at root s=500 GeV. In Physical Review D, 2018, vol. 97 no. 3, 032004. (2017: 4.394 - IF, Q1 - JCR, 1.801 - SJR, Q1 - SJR, karentované - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.97.032004>

Citácie:

1. [1.1] KANG, Zhong-Bo - LEE, Kyle - TERRY, John - XING, Hongxi. *Jet fragmentation functions for Z-tagged jets. In PHYSICS LETTERS B. ISSN 0370-2693, 2019, vol. 798, 134978., Registrované v: WOS*

ADCA68

ADAMCZYK, L. - ADKINS, J.K. - AGAKISCHIEV, G. - AGGARWAL, M.M. - AHAMMED, Z. - FILIP, Peter. Dielectron mass spectra from Au plus Au collisions at root s(NN)=200 Ge V. In Physical Review Letters, 2014, vol. 113, no. 2, 022301. (2013: 7.728 - IF, Q1 - JCR, 5.674 - SJR, karentované - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.113.022301>

Citácie:

1. [1.1] AIDALA, C. - AKIBA, Y. - ALFRED, M. - et al. *Measurements of mu mu pairs from open heavy flavor and Drell-Yan in p plus p collisions at root s=200 GeV. In PHYSICAL REVIEW D, 2019, vol. 99, no. 7, 072003., Registrované v: WOS*
2. [1.1] COSTA, Pedro - PEREIRA, Renan. *Phase Diagram, Scalar-Pseudoscalar Meson Behavior and Restoration of Symmetries in (2+1) Polyakov-Nambu-Jona-Lasinio Model. In SYMMETRY-BASEL, 2019, vol. 11, no. 4, 507., Registrované v: WOS*
3. [1.1] ISHII, Masahiro - MIYAHARA, Akihisa - KOUNO, Hiroaki - YAHIRO, Masanobu. *Extrapolation for meson screening masses from imaginary to real chemical potential. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 99, no. 11, 114010., Registrované v: WOS*
4. [1.1] WANG, Hai - CHEN, Jin-Hui - MA, Yu-Gang - ZHANG, Song. *Charm hadron azimuthal angular correlations in Au plus Au collisions at root s(NN)=200 GeV from parton scatterings. In NUCLEAR SCIENCE AND TECHNIQUES. ISSN 1001-8042, 2019, vol. 30, no. 12, 185., Registrované v: WOS*

ADCA69

ADAMCZYK, L. - ADKINS, J.K. - AGAKISHIEV, G. - AGGARWAL, M.M. - AHAMMED, Z. - FILIP, Peter. Measurement of longitudinal spin asymmetries for weak boson production in polarized proton-proton collisions at RHIC. In Physical Review Letters, 2014, vol. 113, no. 7, 072301. (2013: 7.728 - IF, Q1 - JCR, 5.674 - SJR, karentované - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.113.072301>

Citácie:

1. [1.1] ASCHENAUER, E. C. - FAZIO, S. - LEE, J. H. - MANTYSAARI, H. -

- PAGE, B. S. - SCHENKE, B. - ULLRICH, T. - VENUGOPALAN, R. - ZURITA, P. *The electron-ion collider: assessing the energy dependence of key measurements. In REPORTS ON PROGRESS IN PHYSICS. ISSN 0034-4885, 2019, vol. 82, no. 2, 024301., Registrované v: WOS*
2. [1.1] DE FLORIAN, Daniel - AGUSTIN LUCERO, Gonzalo - SASSOT, Rodolfo - STRATMANN, Marco - VOGELSANG, Werner. *Monte Carlo sampling variant of the DSSV14 set of helicity parton densities. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 100, no. 11, 114027., Registrované v: WOS*
3. [1.1] DEUR, Alexandre - BRODSKY, Stanley J. - DE TERAMOND, Guy F. *The spin structure of the nucleon. In REPORTS ON PROGRESS IN PHYSICS. ISSN 0034-4885, 2019, vol. 82, no. 7, 076201., Registrované v: WOS*
4. [1.1] FORTE, Stefano - LEVY, Aharon - RIDOLFI, Giovanni. *From My Vast Repertoire ... Guido Altarelli's Legacy Preface. In FROM MY VAST REPERTOIRE ... : GUIDO ALTARELLI'S LEGACY, 2019, pp. V-+, Registrované v: WOS*
5. [1.1] KIM, Yoon Young - CHOI, Bo Bin - LIM, Ji Won - KIM, Yong Jin - KIM, Sung Yob - KU, Seung-Yup. *Efficient Production of Murine Uterine Damage Model. In TISSUE ENGINEERING AND REGENERATIVE MEDICINE. ISSN 1738-2696, 2019, vol. 16, no. 2, pp. 119-129., Registrované v: WOS*
6. [1.1] SOIFER, Jacques - BOURRELY, Claude. *On the flavor structure of the light-quark sea distributions. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2019, vol. 991, UNSP 121607., Registrované v: WOS*
7. [1.1] XU QING-HUA - LIANG ZUO-TANG. *Nucleon spin structure and measurements on sea quark polarization at RHIC. In SCIENTIA SINICA-PHYSICA MECHANICA & ASTRONOMICA. ISSN 1674-7275, 2019, vol. 49, no. 10, UNSP 102007., Registrované v: WOS*

ADCA70

ADAMCZYK, L. - ADKINS, J.K. - AGAKISHIEV, G. - AGGARWAL, M.M. - AHAMMED, Z. - FILIP, Peter. *Beam energy dependence of moments of the net-charge multiplicity distributions in Au plus Au collisions at RHIC. In Physical Review Letters, 2014, vol. 113, no. 9, 092301. (2013: 7.728 - IF, Q1 - JCR, 5.674 - SJR, karentované - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.*

Citácie:

1. [1.1] ALBA, P. - OLIVA, L. *Balance of attractive and repulsive hadronic interactions: The influence of hadronic spectrum and excluded-volume effects on lattice thermodynamics, and consequences for experiments. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 5, 055207., Registrované v: WOS*
2. [1.1] BELLWIED, R. - NORONHA-HOSTLER, J. - PAROTTO, P. - VAZQUEZ, I. Portillo - RATTI, C. - STAFFORD, J. M. *Freeze-out temperature from net-kaon fluctuations at energies available at the BNL Relativistic Heavy Ion Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 3, 034912., Registrované v: WOS*
3. [1.1] FAN, Wenkai - LUO, Xiaofeng - ZONG, Hongshi. *Probing the QCD phase structure with higher order baryon number susceptibilities within the NJL model. In CHINESE PHYSICS C. ISSN 1674-1137, 2019, vol. 43, no. 3, 033103., Registrované v: WOS*
4. [1.1] FAN, Wenkai - LUO, Xiaofeng - ZONG, Hongshi. *Second to tenth order susceptibilities of conserved charges within a modified Nambu-Jona-Lasinio model. In CHINESE PHYSICS C. ISSN 1674-1137, 2019, vol. 43, no. 5, 054109., Registrované v: WOS*
5. [1.1] LUO, Xiaofeng - NONAKA, Toshihiro. *Efficiency correction for cumulants of multiplicity distributions based on track-by-track efficiency. In*

PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 4, 044917.,

Registrované v: WOS

6. [1.1] MOHAPATRA, Ranjita K. Effect of inverse magnetic catalysis on conserved-charge fluctuations in a hadron resonance gas model. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 2, 024902., Registrované v: WOS

7. [1.1] PANDAV, Ashish - MALLICK, Debasish - MOHANTY, Bedangadas. Effect of limited statistics on higher order cumulants measurement in heavy-ion collision experiments. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2019, vol. 991, UNSP 121608., Registrované v: WOS

8. [1.1] RATTI, Claudia - BELLWIED, Rene - NORONHA-HOSTLER, Jacquelyn - PAROTTO, Paolo - VAZQUEZ, Israel Portillo - STAFFORD, Jamie M. Analysis of Kaon fluctuations from the beam energy scan at RHIC. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2019, vol. 982, pp. 799-802., Registrované v: WOS

9. [1.1] ROGLY, Rudolph - GIACALONE, Giuliano - OLLITRAULT, Jean-Yves. Isolating dynamical net-charge fluctuations. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 3, 034902., Registrované v: WOS

10. [1.1] SAMANTA, Subhasis - CHATTERJEE, Sandeep - MOHANTY, Bedangadas. Exploring the hadron resonance gas phase on the QCD phase diagram. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2019, vol. 46, no. 6, 065106., Registrované v: WOS

11. [1.1] SUGIURA, Tetsuro - NONAKA, Toshihiro - ESUMI, Shinichi. Volume fluctuation and multiplicity correlation in higher-order cumulants. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 4, 044904., Registrované v: WOS

12. [1.1] WANG, Yongjia - YE, Yunxiao - LI, Qingfeng. Mean-field potential effects in the cumulants of baryons from central Au plus Au collision at $E_{\text{lab}}=1.23$ GeV/nucleon. In XIAMEN-CUSTIPEN WORKSHOP ON THE EQUATION OF STATE OF DENSE NEUTRON-RICH MATTER IN THE ERA OF GRAVITATIONAL WAVE ASTRONOMY. ISSN 0094-243X, 2019, vol. 2127, UNSP 020035., Registrované v: WOS

13. [1.1] WEN, Rui - HUANG, Chuang - FU, Wei-jie. Baryon number fluctuations in the 2+1 flavor low energy effective model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 99, no. 9, 094019., Registrované v: WOS

14. [1.1] WU, Shanjin - SONG, Huichao. Universal scaling of conserved charge in stochastic diffusion dynamics. In CHINESE PHYSICS C. ISSN 1674-1137, 2019, vol. 43, no. 8, 084103., Registrované v: WOS

15. [1.1] WU, Shanjin - WU, Zeming - SONG, Huichao. Universal scaling of the sigma field and net-protons from Langevin dynamics of model A. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 6, 064902., Registrované v: WOS

16. [1.1] YU, Ning - LUO, Xiaofeng. Particle decay from statistical thermal model in high-energy nucleus-nucleus collisions. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2019, vol. 55, no. 2, 26., Registrované v: WOS

ADCA71

ADAMCZYK, L. - ADKINS, J.K. - AGAKISHIEV, G. - AGGARWAL, M.M. - AHAMMED, Z. - FILIP, Peter. Suppression of upsilon production in d+Au and Au + Au collisions at $\sqrt{s(\text{NN})} = 200$ GeV. In Physics Letters B, 2015, vol. 743, p. 537-541. (2014: 6.131 - IF, Q1 - JCR, 3.562 - SJR, Q1 - SJR, karentované - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2015.01.046>

Citácie:

1. [1.1] DU, Xiaojian - LIU, Shuai Y. F. - RAPP, Ralf. Extraction of the heavy-quark potential from bottomonium observables in heavy-ion collisions. In PHYSICS LETTERS B. ISSN 0370-2693, 2019, vol. 796, pp. 20-25., Registrované

v: WOS

2. [1.1] SIRUNYAN, A. M. - TUMASYAN, A. - ADAM, W. - et al. Measurement of prompt $\psi(2S)$ production cross sections in proton-lead and proton-proton collisions at root $s(NN)=5.02$ TeV. In *PHYSICS LETTERS B*, 2019, vol. 790, pp. 509-532., Registrované v: WOS

ADCA72

ADAMCZYK, L. - AGAKISHIEV, G. - AGGARWAL, M.M. - AHAMMED, Z. - ALAKHVERDYANTS, A.V. - FILIP, Peter. Inclusive charged hadron elliptic flow in Au+Au collisions at root $s(NN)=7.7-39$ GeV. In *Physical Review C*, 2012, vol. 86, no. 5, 054908. (2011: 3.308 - IF, 2.962 - SJR, Q1 - SJR, karentované - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.86.054908>

Citácie:

1. [1.1] LIU, He - WANG, Feng-Tao - SUN, Kai-Jia - XU, Jun - KO, Che Ming. Isospin splitting of pion elliptic flow in relativistic heavy-ion collisions. In *PHYSICS LETTERS B*. ISSN 0370-2693, 2019, vol. 798, 135002., Registrované v: WOS

2. [1.1] TU, Biao - SHI, Shusu - LIU, Feng. Elliptic flow of transported and produced protons in Au plus Au collisions with the UrQMD model. In *CHINESE PHYSICS C*. ISSN 1674-1137, 2019, vol. 43, no. 5, 054106., Registrované v: WOS

3. [1.1] WANG, Feng-Tao - XU, Jun. Hadronization using the Wigner function approach for a multiphase transport model. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 100, no. 6, 064909., Registrované v: WOS

ADCA73

ADAMCZYK, L. - ADKINS, J.K. - AGAKISHIEV, G. - AGGARWAL, M.M. - AHAMMED, Z. - FILIP, Peter. Jet-like correlations with direct-photon and neutral-pion triggers at root $S-NN=200$ GeV. In *Physics Letters B*, 2016, vol. 760, p. 689-696. (2015: 4.787 - IF, Q1 - JCR, 3.320 - SJR, Q1 - SJR, karentované - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2016.07.046>

Citácie:

1. [1.1] AABOUD, M. - AAD, G. - ABBOTT, B. - et al. Comparison of Fragmentation Functions for Jets Dominated by Light Quarks and Gluons from pp and Pb plus Pb Collisions in ATLAS. In *PHYSICAL REVIEW LETTERS*, 2019, vol. 123, no. 4, 042001., Registrované v: WOS

2. [1.1] AABOUD, M. - AAD, G. - ABBOTT, B. - et al. Measurement of photon-jet transverse momentum correlations in 5.02 TeV Pb + Pb and pp collisions with ATLAS. In *PHYSICS LETTERS B*, 2019, vol. 789, pp. 167-190., Registrované v: WOS

3. [1.1] GYULASSY, M. - LEVAI, P. - LIAO, J. - SHI, S. - YUAN, F. - WANG, X. N. Precision Dijet Acoplanarity Tomography of the Chromo Structure of Perfect QCD Fluids. In *NUCLEAR PHYSICS A*. ISSN 0375-9474, 2019, vol. 982, pp. 627-630., Registrované v: WOS

4. [1.1] HE, Y. - CAO, S. - WEI, W. - LUO, T. - PANG, L.G. - WANG, X.N. E-by-e jet suppression, anisotropy, medium response and hard-soft tomography. In *NUCLEAR PHYSICS A*. ISSN 0375-9474, 2019, vol. 982, pp. 635-638., Registrované v: WOS

5. [1.1] TANNENBAUM, Michael J. Latest Results from RHIC. In *UNIVERSE*. ISSN 2218-1997, 2019, vol. 5, no. 6, 140., Registrované v: WOS

6. [1.1] XIE, Man - WEI, Shu-Yi - QIN, Guang-You - ZHANG, Han-Zhong. Extracting jet transport coefficient via single hadron and dihadron productions in high-energy heavy-ion collisions. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2019, vol. 79, no. 7, 589., Registrované v: WOS

ADCA74

ADAMCZYK, L. - ADKINS, J.K. - AGAKISHIEV, G. - AGGARWAL, M.M. -

AHAMMED, Z. - FILIP, Peter. Measurement of elliptic flow of light nuclei at root $s(NN)=200, 62.4, 39, 27, 19.6, 11.5$, and 7.7 GeV at the BNL Relativistic Heavy Ion Collider. In *Physical Review C. Nuclear Physics*, 2016, vol. 94, no. 3, 034908. (2015: 3.146 - IF, Q2 - JCR, 1.993 - SJR, Q1 - SJR, karentované - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.94.034908>

Citácie:

1. [1.1] *BRAUN-MUNZINGER, Peter - DOENIGUS, Benjamin. Loosely-bound objects produced in nuclear collisions at the LHC. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2019, vol. 987, pp. 144-201., Registrované v: WOS*

2. [1.1] *WANG, Rui-Qin - SONG, Jun - LI, Gang - SHAO, Feng-Lan. Different production sources of light nuclei in ultra-relativistic heavy-ion collisions. In CHINESE PHYSICS C. ISSN 1674-1137, 2019, vol. 43, no. 2, 024101., Registrované v: WOS*

3. [1.1] *WANG, T. T. - MA, Y. G. Nucleon-number scalings of anisotropic flows and nuclear modification factor for light nuclei in the squeeze-out region. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2019, vol. 55, no. 6, 102., Registrované v: WOS*

ADCA75

ADAMCZYK, L. - ADKINS, J.K. - AGAKISHIEV, G. - AGGARWAL, M.M. - AHAMMED, Z. - FILIP, Peter. Beam-energy dependence of charge balance functions from Au+Au collisions at energies available at the BNL relativistic heavy ion collider. In *Physical Review C. Nuclear Physics*, 2016, vol. 94, no. 2, 024909. (2015: 3.146 - IF, Q2 - JCR, 1.993 - SJR, Q1 - SJR, karentované - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.94.024909>

Citácie:

1. [1.1] *ACHARYA, S. - ADAMOVA, D. - ADOLFSSON, J. - et al. Two-particle differential transverse momentum and number density correlations in p-Pb collisions at 5.02 TeV and Pb-Pb collisions at 2.76 TeV at the CERN Large Hadron Collider. In PHYSICAL REVIEW C, 2019, vol. 100, no. 4, 044903., Registrované v: WOS*

2. [1.1] *OLIINYCHENKO, Dmytro - KOCH, Volker. Microcanonical Particlization with Local Conservation Laws. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 123, no. 18, 182302., Registrované v: WOS*

3. [1.1] *PRATT, Scott - PLUMBERG, Christopher. Evolving charge correlations in a hybrid model with both hydrodynamics and hadronic Boltzmann descriptions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 4, 044916., Registrované v: WOS*

4. [1.1] *PRUNEAU, Claude A. Role of baryon number conservation in measurements of fluctuations. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 3, 034905., Registrované v: WOS*

ADCA76

ADAMCZYK, L. - ADKINS, J. K. - AGAKISHIEV, G. - AGGARWAL, M. - AHAMMED, Z. - FILIP, Peter. Energy dependence of J/Psi production in Au plus Au collisions at root $S-NN=39, 62.4$ and 200 GeV. In *Physics Letters B*, 2017, vol. 771, p. 13-20. (2016: 4.807 - IF, Q1 - JCR, 3.032 - SJR, Q1 - SJR, karentované - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2017.04.078>

Citácie:

1. [1.1] *SIRUNYAN, A. M. - TUMASYAN, A. - ADAM, W. - et al. Measurement of nuclear modification factors of $\gamma(1S)$, $\gamma(2S)$, and $\gamma(3S)$ mesons in PbPb collisions at root $s(NN)=5.02$ TeV. In PHYSICS LETTERS B, 2019, vol. 790, pp. 270-293., Registrované v: WOS*

2. [1.1] WANG PENGFEI - ZHA WANGMEI - TANG ZEBO. Recent progress of quarkonium measurements in heavy-ion collisions at RHIC energies from STAR. In *SCIENTIA SINICA-PHYSICA MECHANICA & ASTRONOMICA*. ISSN 1674-7275, 2019, vol. 49, no. 10, UNSP 102004., Registrované v: WOS
3. [1.1] ZHA, W. - RUAN, L. - TANG, Z. - XU, Z. - YANG, S. Coherent photo-produced J/ψ and dielectron yields in isobaric collisions. In *PHYSICS LETTERS B*. ISSN 0370-2693, 2019, vol. 789, pp. 238-242., Registrované v: WOS

ADCA77

ADAMCZYK, L. - ADAMS, J. R. - ADKINS, J. K. - AGAKISHIEV, G. - AGGARWAL, M. M. - FILIP, Peter. Beam-Energy Dependence of Directed Flow of Λ , (Λ) over-bar, $K^{+/-}$, $K^s(0)$, and ϕ in Au plus Au Collisions. In *Physical Review Letters*, 2018, vol. 120, no. 6, art. no. 062301. (2017: 8.839 - IF, Q1 - JCR, 3.622 - SJR, Q1 - SJR, karentované - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.120.062301>

Citácie:

1. [1.1] BRAVINA, Larissa - KVASIUK, Yurii - SIVOKLOKOV, Sergey - VITIUK, Oleksandr - ZABRODIN, Evgeny. Directed Flow in Microscopic Models in Relativistic A+A Collisions dagger. In *UNIVERSE*, 2019, vol. 5, no. 3, 69., Registrované v: WOS
2. [1.1] CSERNAI, L. P. - KAPUSTA, J. - WELLE, T. Λ and (Λ) over-bar spin interaction with meson fields generated by the baryon current in high energy nuclear collisions. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 99, no. 2, 021901., Registrované v: WOS
3. [1.1] KIELBOWICZ, M. ELECTROMAGNETIC EFFECTS ON CHARGED PION SPECTRA AT SPS ENERGIES. In *ACTA PHYSICA POLONICA B PROCEEDINGS SUPPLEMENT*. ISSN 1899-2358, 2019, vol. 12, no. 2, pp. 353-359., Registrované v: WOS
4. [1.1] NARA, Yasushi - STOECKER, Horst. Sensitivity of the excitation functions of collective flow to relativistic scalar and vector meson interactions in the relativistic quantum molecular dynamics model RQMD.RMF. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 100, no. 5, 054902., Registrované v: WOS
5. [1.1] NAYAK, Kishora - SHI, Shusu - XU, Nu - LIN, Zi-Wei. Energy dependence study of directed flow in Au plus Au collisions using an improved coalescence in a multiphase transport model. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 100, no. 5., Registrované v: WOS
6. [1.1] WANG, Feng-Tao - XU, Jun. Hadronization using the Wigner function approach for a multiphase transport model. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 100, no. 6, 064909., Registrované v: WOS

ADCA78

ADAMCZYK, L. - ADKINS, J.K. - AGAKISHIEV, G. - AGGARWAL, M.M. - AHAMMED, Z. - FILIP, Peter. Upsilon production in U plus U collisions at root s(NN)=193 GeV measured with the STAR experiment. In *Physical Review C*, 2016, vol. 94, no. 6, art. no. 064904. (2015: 3.146 - IF, Q2 - JCR, 1.993 - SJR, Q1 - SJR, karentované - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.94.064904>

Citácie:

1. [1.1] DU, Xiaojian - LIU, Shuai Y. F. - RAPP, Ralf. Extraction of the heavy-quark potential from bottomonium observables in heavy-ion collisions. In *PHYSICS LETTERS B*. ISSN 0370-2693, 2019, vol. 796, pp. 20-25., Registrované v: WOS
2. [1.1] FRAJNA, Eszter - VERTESI, Robert. Correlation of Heavy and Light Flavors in Simulations. In *UNIVERSE*. ISSN 2218-1997, 2019, vol. 5, no. 5, 118.,

Registrované v: WOS

3. [1.1] HONG, Juhee - LEE, Su Hounq. Quarkonium dissociation in perturbative QCD. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 3, 034905.,

Registrované v: WOS

4. [1.1] ROTHKOPF, Alexander. Quarkonium Production in the QGP. In UNIVERSE. ISSN 2218-1997, 2019, vol. 5, no. 5, 117., Registrované v: WOS

ADCA79

ADAMCZYK, L. - ADAMS, J.R. - ADKINS, J.K. - AGAKISHIEV, G. - AGGARWAL, M.M. - FILIP, Peter. Beam Energy Dependence of Jet-Quenching Effects in Au plus Au Collisions at $\sqrt{s(NN)}$ =7.7, 11.5, 14.5, 19.6, 27, 39, and 62.4 GeV. In Physical Review Letters, 2018, vol. 121, no. 3, 032301. (2017: 8.839 - IF, Q1 - JCR, 3.622 - SJR, Q1 - SJR, karentované - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.121.032301>

Citácie:

1. [1.1] ASCHENAUER, E. C. - FAZIO, S. - LEE, J. H. - MANTYSAARI, H. - PAGE, B. S. - SCHENKE, B. - ULLRICH, T. - VENUGOPALAN, R. - ZURITA, P. The electron-ion collider: assessing the energy dependence of key measurements. In REPORTS ON PROGRESS IN PHYSICS. ISSN 0034-4885, 2019, vol. 82, no. 2, 024301., Registrované v: WOS

2. [1.1] BISWAS, Rathijit - CHOUDHURY, Subikash - PRASAD, Sidharth Kumar - DAS, Supriya. Study of jet-medium interactions using jet shape observables in heavy ion collisions at LHC energies with JEWEL. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2019, vol. 46, no. 9, 095004., Registrované v: WOS

3. [1.1] MORREALE, Astrid. Nuclear Physics at the Energy Frontier: Recent Heavy Ion Results from the Perspective of the Electron Ion Collider. In UNIVERSE. ISSN 2218-1997, 2019, vol. 5, no. 5, 98., Registrované v: WOS

4. [1.1] YANG, Pei-Pin - WANG, Qi - LIU, Fu-Hu. Mutual Derivation Between Arbitrary Distribution Forms of Momenta and Momentum Components. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2019, vol. 58, no. 8, pp. 2603-2618., Registrované v: WOS

ADCA80

ADAMCZYK, L. - ADKINS, J.K. - AGAKISHIEV, G. - AGGARWAL, M.M. - AHAMMED, Z. - FILIP, Peter. Observation of D-0 Meson Nuclear Modifications in Au + Au Collisions at $\sqrt{s(NN)}$ -N-s = 200 GeV (vol 113, 142301, 2014). In Physical Review Letters, 2018, vol. 121, no. 22, 229901. (2017: 8.839 - IF, Q1 - JCR, 3.622 - SJR, Q1 - SJR, karentované - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.121.229901>

Citácie:

1. [1.1] HE, Min - RAPP, Ralf. Charm-baryon production in proton-proton collisions. In PHYSICS LETTERS B. ISSN 0370-2693, 2019, vol. 795, pp. 117-121., Registrované v: WOS

2. [1.1] ZHANG YIFEI - XIE GUANNAN - ZHANG SHENGHUI - DONG XIN. Heavy flavor hadron measurement at RHIC. In SCIENTIA SINICA-PHYSICA MECHANICA & ASTRONOMICA. ISSN 1674-7275, 2019, vol. 49, no. 10, UNSP 102003., Registrované v: WOS

ADCA81

ADAMCZYK, L. - ADKINS, J.K. - AGAKISHIEV, G. - AGGARWAL, M.M. - AHAMMED, Z. - FILIP, Peter. Harmonic decomposition of three-particle azimuthal correlations at energies available at the BNL Relativistic Heavy Ion Collider. In Physical Review C, 2018, vol. 98, no. 3, 034918. (2017: 3.304 - IF, Q2 - JCR, 1.443 - SJR, Q1 - SJR, karentované - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.98.034918>

Citácie:

- ADCA82 1. [1.1] SCHENKE, Bjorn - SHEN, Chun - TRIBEDY, Prithwish. *Multiparticle and charge-dependent azimuthal correlations in heavy-ion collisions at the Relativistic Heavy-Ion Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 4, 044908., Registrované v: WOS*
- ADAMCZYK, L. - ADKINS, J.K. - AGAKISHIEV, G. - AGGARWAL, M.M. - AHAMMED, Z. - FILIP, Peter. Beam energy dependence of the third harmonic of azimuthal correlations in Au + Au collisions at RHIC. In Physical Review Letters, 2016, vol. 116, no. 11, art. no. 112302. (2015: 7.645 - IF, Q1 - JCR, 4.656 - SJR, Q1 - SJR, karentované - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.116.112302>
- Citácie:
1. [1.1] KURKELA, Aleks - MAZELIAUSKAS, Aleksas. *Chemical Equilibration in Hadronic Collisions. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 122, no. 14, 142301., Registrované v: WOS*
2. [1.1] SCHENKE, Bjorn - SHEN, Chun - TRIBEDY, Prithwish. *Multiparticle and charge-dependent azimuthal correlations in heavy-ion collisions at the Relativistic Heavy-Ion Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 4, 044908., Registrované v: WOS*
- ADCA83 ADAMCZYK, L. - ADKINS, J.K. - AGAKISHIEV, G. - AGGARWAL, M.M. - AHAMMED, Z. - FILIP, Peter. Measurement of the transverse single-spin asymmetry in $p^+ + p - W^+/\text{Z}$ at RHIC. In Physical Review Letters, 2016, vol. 116, no. 13, art. no. 132301. (2015: 7.645 - IF, Q1 - JCR, 4.656 - SJR, Q1 - SJR, karentované - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.116.132301>
- Citácie:
1. [1.1] AVAKIAN, H. - PARSMYAN, B. - PROKUDIN, A. *Spin orbit correlations and the structure of the nucleon. In RIVISTA DEL NUOVO CIMENTO. ISSN 0393-697X, 2019, vol. 42, no. 1, pp. 1-48., Registrované v: WOS*
2. [1.1] DONG, Hui - ZHENG, Du-xin - ZHOU, Jian. *Sea quark Sivers distribution. In PHYSICS LETTERS B. ISSN 0370-2693, 2019, vol. 788, pp. 401-408., Registrované v: WOS*
3. [1.1] GEESAMAN, D. F. - REIMER, P. E. *The sea of quarks and antiquarks in the nucleon. In REPORTS ON PROGRESS IN PHYSICS. ISSN 0034-4885, 2019, vol. 82, no. 4, 046301., Registrované v: WOS*
4. [1.1] HE, Fangcheng - WANG, P. *Sivers distribution functions of sea quarks in a proton with the chiral Lagrangian. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 100, no. 7, 074032., Registrované v: WOS*
5. [1.1] SUN, Hao - TICHOUK - LUO, Xuan. *Probing the Sivers asymmetries through J/psi photoproduction in (p)up arrow(p) collision with forward proton tagging. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 100, no. 1, 014007., Registrované v: WOS*
6. [1.1] WANG, Xiaoyu - LU, Zhun. *pi N Drell-Yan Process in TMD Factorization. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2019, vol. 2019, 6734293., Registrované v: WOS*
7. [1.1] YAO, Xiaojun - HAGIWARA, Yoshikazu - HATA, Yoshitaka. *Computing the gluon Sivers function at small-x. In PHYSICS LETTERS B. ISSN 0370-2693, 2019, vol. 790, no., pp. 361-366., Registrované v: WOS*
- ADCA84 ADAMCZYK, L. - ADKINS, J.K. - AGAKISHIEV, G. - AGGARWAL, M.M. - AHAMMED, Z. - FILIP, Peter. Centrality and transverse momentum dependence of elliptic flow of multistrange hadrons and π meson in Au plus Au collisions at root S NN=200 GeV. In Physical Review Letters, 2016, vol. 116, no. 6, art. no. 062301. (2015: 7.645 - IF, Q1 - JCR, 4.656 - SJR, Q1 - SJR, karentované - CCC). (2016 -

Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na:
<https://doi.org/10.1103/PhysRevLett.116.062301>

Citácie:

1. [1.1] WANG, Hai - CHEN, Jin-Hui - MA, Yu-Gang - ZHANG, Song. Charm hadron azimuthal angular correlations in Au plus Au collisions at root $s(NN)=200$ GeV from parton scatterings. In NUCLEAR SCIENCE AND TECHNIQUES. ISSN 1001-8042, 2019, vol. 30, no. 12, 185., Registrované v: WOS
2. [1.1] XIA, Xiao-Liang - LI, Hui - HUANG, Xu-Guang - HUANG, Huan Zhong. Feed-down effect on Lambda spin polarization. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 1, 014913., Registrované v: WOS
3. [1.1] XU, Peng-Zhi - ZHANG, Wei-Ning. Squeezed back-to-back correlations of bosons with nonzero widths in relativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 1, 014907., Registrované v: WOS
4. [1.1] ZHANG YIFEI - XIE GUANNAN - ZHANG SHENGHUI - DONG XIN. Heavy flavor hadron measurement at RHIC. In SCIENTIA SINICA-PHYSICA MECHANICA & ASTRONOMICA. ISSN 1674-7275, 2019, vol. 49, no. 10, UNSP 102003., Registrované v: WOS

ADCA85 ADAMCZYK, L. - ADKINS, J.K. - AGAKISHIEV, G. - AGGARWAL, M.M. - AHAMMED, Z. - FILIP, Peter. Centrality dependence of identified particle elliptic flow in relativistic heavy ion collisions at root $s(NN)=7.7-62.4$ GeV. In Physical Review C. Nuclear Physics, 2016, vol. 93, no. 1, 014907. (2015: 3.146 - IF, Q2 - JCR, 1.993 - SJR, Q1 - SJR, karentované - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na:
<https://doi.org/10.1103/PhysRevC.93.014907>

Citácie:

1. [1.1] RISTEA, O. - RISTEA, C. - JIPA, A. - PETRUSE, T. - ESANU, T. - CALIN, M. Flow studies in nucleus-nucleus collisions at FAIR-GSI available energies. In ROMANIAN REPORTS IN PHYSICS. ISSN 1221-1451, 2019, vol. 71, no. 1, 302., Registrované v: WOS
2. [1.1] TU, Biao - SHI, Shusu - LIU, Feng. Elliptic flow of transported and produced protons in Au plus Au collisions with the UrQMD model. In CHINESE PHYSICS C. ISSN 1674-1137, 2019, vol. 43, no. 5, 054106., Registrované v: WOS
3. [1.1] WU, Yang - ADAM, J. - ADAMCZYK, L. - et al. Recent results for STAR root $s(NN)=4.9$ GeV Al+Au and root $s(NN)=4.5$ GeV Au+Au Fixed-Target Collisions. In NUCLEAR PHYSICS A, 2019, vol. 982, pp. 899-902., Registrované v: WOS

ADCA86 ADAMCZYK, L. - ADKINS, J.K. - AGAKISHIEV, G. - AGGARWAL, M.M. - AHAMMED, Z. - FILIP, Peter. Energy dependence of moments of net-proton multiplicity distributions at RHIC. In Physical Review Letters, 2014, vol. 112, no. 3, 032302. (2013: 7.728 - IF, Q1 - JCR, 5.674 - SJR, karentované - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na:
<https://doi.org/10.1103/PhysRevLett.112.032302>

Citácie:

1. [1.1] ALBA, P. - OLIVA, L. Balance of attractive and repulsive hadronic interactions: The influence of hadronic spectrum and excluded-volume effects on lattice thermodynamics, and consequences for experiments. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 5, 055207., Registrované v: WOS
2. [1.1] AREF';EVA, I. Ya. Holographic Entanglement Entropy for Heavy-Ion Collisions. In PHYSICS OF PARTICLES AND NUCLEI LETTERS. ISSN 1547-4771, 2019, vol. 16, no. 5, pp. 486-492., Registrované v: WOS

3. [1.1] AYALA, A. - HENTSCHINSKI, M. - HERNANDEZ, L. A. - LOEWE, M. - ZAMORA, R. EFFECTS OF SUPERSTATISTICS ON THE LOCATION OF THE EFFECTIVE QCD CRITICAL END POINT. In UKRAINIAN JOURNAL OF PHYSICS. ISSN 2071-0186, 2019, vol. 64, no. 8, pp. 665-671., Registrované v: WOS
4. [1.1] BEHERA, Nirbhay Kumar - ACHARYA, S. - ACOSTA, F. T. - et al. Higher moment fluctuations of identified particle distributions from ALICE. In NUCLEAR PHYSICS A, 2019, vol. 982, pp. 851-854., Registrované v: WOS
5. [1.1] BEHERA, Nirbhay Kumar. CUMULANTS OF NET-PROTON NUMBER FLUCTUATIONS FROM ALICE AT THE LHC. In ACTA PHYSICA POLONICA B PROCEEDINGS SUPPLEMENT. ISSN 1899-2358, 2019, vol. 12, no. 2, pp. 241-246., Registrované v: WOS
6. [1.1] BELLWIED, R. - NORONHA-HOSTLER, J. - PAROTTO, P. - VAZQUEZ, I. Portillo - RATTI, C. - STAFFORD, J. M. Freeze-out temperature from net-kaon fluctuations at energies available at the BNL Relativistic Heavy Ion Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 3, 034912., Registrované v: WOS
7. [1.1] BZDAK, Adam - KOCH, Volker. Mapping the QCD phase diagram with statistics-friendly distributions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 5, 051902., Registrované v: WOS
8. [1.1] BZDAK, Adam - KOCH, Volker. Net-baryon multiplicity distribution consistent with lattice QCD. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 2, 024913., Registrované v: WOS
9. [1.1] CASELLE, Michele - MAGNOLI, Nicodemo - NADA, Alessandro - PANERO, Marco - SCANAVINO, Marcello. Conformal perturbation theory confronts lattice results in the vicinity of a critical point. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 100, no. 3, 034512., Registrované v: WOS
10. [1.1] DAVIS, N. RECENT RESULTS FROM PROTON INTERMITTENCY ANALYSIS IN NUCLEUS NUCLEUS COLLISIONS FROM NA61 AT CERN SPS. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2019, vol. 50, no. 6, pp. 1029-1040., Registrované v: WOS
11. [1.1] FAN, Wenkai - LUO, Xiaofeng - ZONG, Hongshi. Probing the QCD phase structure with higher order baryon number susceptibilities within the NJL model. In CHINESE PHYSICS C. ISSN 1674-1137, 2019, vol. 43, no. 3, 033103., Registrované v: WOS
12. [1.1] FAN, Wenkai - LUO, Xiaofeng - ZONG, Hongshi. Second to tenth order susceptibilities of conserved charges within a modified Nambu-Jona-Lasinio model. In CHINESE PHYSICS C. ISSN 1674-1137, 2019, vol. 43, no. 5, 054109., Registrované v: WOS
13. [1.1] FU, Wei-Jie. Chiral criticality and glue dynamics. In CHINESE PHYSICS C. ISSN 1674-1137, 2019, vol. 43, no. 7, 074101., Registrované v: WOS
14. [1.1] HEROLD, Christoph - KITTIRATPATTANA, Apiwit - KOBDAJ, Chinorat - LIMPHIRAT, Ayut - YAN, Yupeng - NAHRGANG, Marlene - STEINHEIMER, Jan - BLEICHER, Marcus. Entropy production and reheating at the chiral phase transition. In PHYSICS LETTERS B. ISSN 0370-2693, 2019, vol. 790, pp. 557-562., Registrované v: WOS
15. [1.1] JIN, XiaoHai - CHEN, JinHui - LIN, ZiWei - MA, GuoLiang - MA, YuGang - ZHANG, Song. Explore the QCD phase transition phenomena from a multiphase transport model. In SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY. ISSN 1674-7348, 2019, vol. 62, no. 1, 11012., Registrované v: WOS
16. [1.1] LI, Zhibin - XU, Kun - WANG, Xinyang - HUANG, Mei. The kurtosis of

- net baryon number fluctuations from a realistic Polyakov-Nambu-Jona-Lasinio model along the experimental freeze-out line. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2019, vol. 79, no. 3, 245., Registrované v: WOS
17. [1.1] LUO, Xiaofeng - NONAKA, Toshihiro. Efficiency correction for cumulants of multiplicity distributions based on track-by-track efficiency. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 99, no. 4, 044917., Registrované v: WOS
18. [1.1] MOHAPATRA, Ranjita K. Effect of inverse magnetic catalysis on conserved-charge fluctuations in a hadron resonance gas model. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 99, no. 2, 024902., Registrované v: WOS
19. [1.1] NAHRGANG, Marlene - BLUHM, Marcus - SCHAFFER, Thomas - BASS, Steffen A. Diffusive dynamics of critical fluctuations near the QCD critical point. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2019, vol. 99, no. 11, 116015., Registrované v: WOS
20. [1.1] PANDAV, Ashish - MALLICK, Debasish - MOHANTY, Bedangadas. Effect of limited statistics on higher order cumulants measurement in heavy-ion collision experiments. In *NUCLEAR PHYSICS A*. ISSN 0375-9474, 2019, vol. 991, UNSP 121608., Registrované v: WOS
21. [1.1] PRADEEP, Maneesha Sushama - STEPHANOV, Mikhail. Universality of the critical point mapping between Ising model and QCD at small quark mass. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2019, vol. 100, no. 5, 056003., Registrované v: WOS
22. [1.1] PROKHOROVA, Daria - DAVIS, Nikolaos. Highlights from NA61/SHINE: Proton Intermittency Analysis. In *UNIVERSE*. ISSN 2218-1997, 2019, vol. 5, no. 5, UNSP 103., Registrované v: WOS
23. [1.1] RATTI, Claudia - BELLWIED, Rene - NORONHA-HOSTLER, Jacquelyn - PAROTTO, Paolo - VAZQUEZ, Israel Portillo - STAFFORD, Jamie M. Analysis of Kaon fluctuations from the beam energy scan at RHIC. In *NUCLEAR PHYSICS A*. ISSN 0375-9474, 2019, vol. 982, pp. 799-802., Registrované v: WOS
24. [1.1] ROGLY, Rudolph - GIACALONE, Giuliano - OLLITRAULT, Jean-Yves. Isolating dynamical net-charge fluctuations. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 99, no. 3, 034902., Registrované v: WOS
25. [1.1] SAHOO, Pragati - TIWARI, Swatantra Kumar - DE, Sudipan - SAHOO, Raghunath - SCHARENBERG, Rolf P. - SRIVASTAVA, Brijesh K. Thermodynamic and transport properties in Au plus Au collisions at RHIC energies from the clustering of color strings. In *MODERN PHYSICS LETTERS A*. ISSN 0217-7323, 2019, vol. 34, no. 4, 1950034., Registrované v: WOS
26. [1.1] SAMANTA, Subhasis - CHATTERJEE, Sandeep - MOHANTY, Bedangadas. Exploring the hadron resonance gas phase on the QCD phase diagram. In *JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS*. ISSN 0954-3899, 2019, vol. 46, no. 6, 065106., Registrované v: WOS
27. [1.1] SHAO, Guo-yun - HE, Wei-bo - GAO, Xue-yan. Deformed QCD phase structure and entropy oscillation in the presence of a magnetic background. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2019, vol. 100, no. 1, 014020., Registrované v: WOS
28. [1.1] SHURYAK, Edward - TORRES-RINCON, Juan M. Baryon clustering at the critical line and near the hypothetical critical point in heavy-ion collisions. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 100, no. 2, 024903., Registrované v: WOS
29. [1.1] SUGIURA, Tetsuro - NONAKA, Toshihiro - ESUMI, Shinichi. Volume fluctuation and multiplicity correlation in higher-order cumulants. In *PHYSICAL*

REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 4, 044904., Registrované v: WOS

30. [1.1] WANG, Fei - CAO, Yakun - ZONG, Hongshi. Novel self-consistent mean field approximation and its application in strong interaction phase transitions. In CHINESE PHYSICS C. ISSN 1674-1137, 2019, vol. 43, no. 8, 084102., Registrované v: WOS

31. [1.1] WANG, Xinyang - WEI, Minghua - LI, Zhibin - HUANG, Mei. Quark matter under rotation in the NJL model with vector interaction. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 99, no. 1, 016018., Registrované v: WOS

32. [1.1] WANG, Yongjia - YE, Yunxiao - LI, Qingfeng. Mean-field potential effects in the cumulants of baryons from central Au plus Au collision at $E_{\text{lab}}=1.23$ GeV/nucleon. In XIAMEN-CUSTIPEN WORKSHOP ON THE EQUATION OF STATE OF DENSE NEUTRON-RICH MATTER IN THE ERA OF GRAVITATIONAL WAVE ASTRONOMY. ISSN 0094-243X, 2019, vol. 2127, UNSP 020035., Registrované v: WOS

33. [1.1] WEN, Rui - HUANG, Chuang - FU, Wei-jie. Baryon number fluctuations in the 2+1 flavor low energy effective model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 99, no. 9, 094019., Registrované v: WOS

34. [1.1] WU, Shanjin - SONG, Huichao. Universal scaling of conserved charge in stochastic diffusion dynamics. In CHINESE PHYSICS C. ISSN 1674-1137, 2019, vol. 43, no. 8, 084103., Registrované v: WOS

35. [1.1] WU, Shanjin - WU, Zeming - SONG, Huichao. Universal scaling of the sigma field and net-protons from Langevin dynamics of model A. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 6, 064902., Registrované v: WOS

36. [1.1] YANG, Li-Kang - LUO, Xiaofeng - ZONG, Hong-Shi. QCD phase diagram in chiral imbalance with self-consistent mean field approximation. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 100, no. 9, 094012., Registrované v: WOS

37. [1.1] YIN, Shi - WEN, Rui - FU, Wei-jie. Mesonic dynamics and the QCD phase transition. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 100, no. 9, 094029., Registrované v: WOS

38. [1.1] YU, Ning - LUO, Xiaofeng. Particle decay from statistical thermal model in high-energy nucleus-nucleus collisions. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2019, vol. 55, no. 2, 26., Registrované v: WOS

39. [1.1] ZAKHAROV, B. G. Radiative Parton Energy Loss and Baryon Stopping in AA Collisions. In JETP LETTERS. ISSN 0021-3640, 2019, vol. 110, no. 6, pp. 375-381., Registrované v: WOS

ADCA87 ADAMCZYK, L. - ADKINS, J.K. - AGAKISHIEV, G. - AGGARWAL, M.M. - AHAMMED, Z. - FILIP, Peter. Probing parton dynamics of QCD matter with Omega and phi production. In Physical Review C. Nuclear Physics, 2016, vol. 93, no. 2, 021903. (2015: 3.146 - IF, Q2 - JCR, 1.993 - SJR, Q1 - SJR, karentované - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.93.021903>

Citácie:

1. [1.1] NAYAK, Kishora - SHI, Shusu - XU, Nu - LIN, Zi-Wei. Energy dependence study of directed flow in Au plus Au collisions using an improved coalescence in a multiphase transport model. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 5, 054903., Registrované v: WOS

2. [1.1] WANG, T. T. - MA, Y. G. Nucleon-number scalings of anisotropic flows and nuclear modification factor for light nuclei in the squeeze-out region. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2019, vol. 55, no. 6, 102., Registrované v: WOS

3. [1.1] XU, Peng-Zhi - ZHANG, Wei-Ning. Squeezed back-to-back correlations of bosons with nonzero widths in relativistic heavy-ion collisions. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 100, no. 1, 014907., Registrované v: WOS

ADCA88

ADAMCZYK, L. - AGAKISHIEV, G. - AGGARWAL, M.M. - AHAMMED, Z. - ALAKHVERDYANTS, A.V. - FILIP, Peter. Single spin asymmetry AN in polarized proton-proton elastic scattering at root s=200 GeV. In *Physics Letters B*, 2013, vol. 719, no. 1-3, p. 62-69. (2012: 4.569 - IF, Q1 - JCR, 3.353 - SJR, Q1 - SJR, karentované - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2013.01.014>

Citácie:

1. [1.1] BRITZGER, Daniel - EWERZ, Carlo - GLAZOV, Sasha - NACHTMANN, Otto - SCHMITT, Stefan. Tensor Pomeron and low-x deep inelastic scattering. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2019, vol. 100, no. 11, 114007., Registrované v: WOS

2. [1.1] KRELINA, Michal - KOPELIOVICH, Boris. EFFECTS OF ABSORPTION IN SMALL-ANGLE SCATTERING OF POLARIZED PROTONS. In *ACTA PHYSICA POLONICA B PROCEEDINGS SUPPLEMENT*. ISSN 1899-2358, 2019, vol. 12, no. 4, pp. 747-752., Registrované v: WOS

3. [1.1] LEBIEDOWICZ, P. - SZCZUREK, A. - NACHTMANN, O. SEARCHING FOR ODDERON IN EXCLUSIVE REACTIONS. In *UKRAINIAN JOURNAL OF PHYSICS*. ISSN 2071-0186, 2019, vol. 64, no. 8, pp. 695-701., Registrované v: WOS

4. [1.1] LEBIEDOWICZ, Piotr - NACHTMANN, Otto - SZCZUREK, Antoni. Central exclusive diffractive production of $K^+ K^- K^+ K^-$ via the intermediate ϕ state in proton-proton collisions. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2019, vol. 99, no. 9, 094034., Registrované v: WOS

5. [1.1] LEBIEDOWICZ, Piotr - SZCZUREK, Antoni - NACHTMANN, Otto. Central exclusive production of $K^+ K^-$ pairs in proton-proton collisions. In *MESON 2018 15TH INTERNATIONAL WORKSHOP ON MESON PHYSICS*. ISSN 2100-014X, 2019, vol. 199, UNSP 03005., Registrované v: WOS

6. [1.1] POBLAGUEV, A. A. - ZELENSKI, A. - ASCHENAUER, E. - ATOIAN, G. - EYSEER, K. O. - HUANG, H. - MAKDISI, Y. - SCHMIDKE, W. B. - ALEKSEEV, I - SVIRIDA, D. - BUTTIMORE, N. H. Precision Small Scattering Angle Measurements of Elastic Proton-Proton Single and Double Spin Analyzing Powers at the RHIC Hydrogen Jet Polarimeter. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2019, vol. 123, no. 16, 162001., Registrované v: WOS

7. [1.1] POBLAGUEV, A. A. Corrections to the elastic proton-proton analyzing power parametrization at high energies. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2019, vol. 100, no. 11, 116017., Registrované v: WOS

ADCA89

ADAMCZYK, L. - ADKINS, J.K. - AGAKISHIEV, G. - AGGARWAL, M.M. - AHAMMED, Z. - FILIP, Peter. Beam-energy dependence of charge separation along the magnetic field in Au plus Au collisions at RHIC. In *Physical Review Letters*, 2014, vol. 113, no. 5, 052302. (2013: 7.728 - IF, Q1 - JCR, 5.674 - SJR, karentované - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.113.052302>

Citácie:

1. [1.1] CAO, Gaoqing. Magnetic catalysis effect prevents vacuum superconductivity in strong magnetic fields. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2019, vol. 100, no. 7, 074024., Registrované v: WOS

2. [1.1] CHENG, Yi-Lin - ZHANG, Song - MA, Yu-Gang - CHEN, Jin-Hui -

- ZHONG, Chen. Electromagnetic field from asymmetric to symmetric heavy-ion collisions at 200 GeV/c. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 99, no. 5, 054906., Registrované v: WOS
3. [1.1] GUO, Yu - SHI, Shuzhe - FENG, Shengqin - LIAO, Jinfeng. Magnetic field induced polarization difference between hyperons and anti-hyperons. In *PHYSICS LETTERS B*. ISSN 0370-2693, 2019, vol. 798, 134929., Registrované v: WOS
4. [1.1] JIN, XiaoHai - CHEN, JinHui - LIN, ZiWei - MA, GuoLiang - MA, YuGang - ZHANG, Song. Explore the QCD phase transition phenomena from a multiphase transport model. In *SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY*. ISSN 1674-7348, 2019, vol. 62, no. 1, 11012., Registrované v: WOS
5. [1.1] SCHENKE, Bjorn - SHEN, Chun - TRIBEDY, Prithwish. Multiparticle and charge-dependent azimuthal correlations in heavy-ion collisions at the Relativistic Heavy-Ion Collider. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 99, no. 4, 044908., Registrované v: WOS
6. [1.1] SHI, Shuzhe - ZHANG, Hui - HOU, Defu - LIAO, Jinfeng. Chiral Magnetic Effect in Isobaric Collisions from Anomalous-Viscous Fluid Dynamics (AVFD). In *NUCLEAR PHYSICS A*. ISSN 0375-9474, 2019, vol. 982, pp. 539-542., Registrované v: WOS
7. [1.1] TU, Zhoudunming - SIRUNYAN, A. M. - TUMASYAN, A. - et al. Search for the chiral magnetic effect at the LHC with the CMS experiment. In *NUCLEAR PHYSICS A*, 2019, vol. 982, pp. 527-530., Registrované v: WOS
8. [1.1] TU, Zhoudunming. Search for the chiral magnetic effect and vorticity-induced polarization effects in nuclear collisions. In *NUCLEAR PHYSICS A*. ISSN 0375-9474, 2019, vol. 982, pp. 50-56., Registrované v: WOS
9. [1.1] XU, Hao-jie - ZHAO, Jie - WANG, Xiaobao - LI, Hanlin - LIN, Zi-Wei - SHEN, Caiwan - WANG, Fuqiang. Re-examining the premise of isobaric collisions and a novel method to measure the chiral magnetic effect. In *NUCLEAR PHYSICS A*. ISSN 0375-9474, 2019, vol. 982, pp. 531-534., Registrované v: WOS
10. [1.1] YE, Y. J. - MA, Y. G. - TANG, A. H. - WANG, G. Effect of magnetic fields on pairs of oppositely charged particles in ultrarelativistic heavy-ion collisions. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 99, no. 4, 044901., Registrované v: WOS
11. [1.1] ZHAO, Jie - LI, Hanlin - WANG, Fuqiang. Isolating the chiral magnetic effect from backgrounds by pair invariant mass. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2019, vol. 79, no. 2, 168., Registrované v: WOS
12. [1.1] ZHAO, Jie - WANG, Fuqiang. Experimental searches for the chiral magnetic effect in heavy-ion collisions. In *PROGRESS IN PARTICLE AND NUCLEAR PHYSICS*. ISSN 0146-6410, 2019, vol. 107, pp. 200-236., Registrované v: WOS

ADCA90

ADAMCZYK, L. - ADKINS, J.K. - AGAKISHIEV, G. - AGGARWAL, M.M. - AHAMMED, Z. - FILIP, Peter. Beam-energy dependence of the directed flow of protons, antiprotons and pions in Au plus Au collisions. In *Physical Review Letters*, 2014, vol. 112, no. 16, 162301. (2013: 7.728 - IF, Q1 - JCR, 5.674 - SJR, karentované - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.112.162301>

Citácie:

1. [1.1] ADARE, A. - AFANASIEV, S. - AIDALA, C. - et al. Measurement of two-particle correlations with respect to second- and third-order event planes in Au plus Au collisions at $\sqrt{s(NN)}=200$ GeV. In *PHYSICAL REVIEW C*, 2019, vol.

- 99, no. 5, 054903., Registrované v: WOS
2. [1.1] BRAVINA, Larissa - KVASIUK, Yurii - SIVOKLOKOV, Sergey - VITIUK, Oleksandr - ZABRODIN, Evgeny. Directed Flow in Microscopic Models in Relativistic A+A Collisions dagger. In *UNIVERSE*, 2019, vol. 5, no. 3, 69., Registrované v: WOS
3. [1.1] CSERNAI, L. P. - KAPUSTA, J. - WELLE, T. Lambda and (Lambda)over-bar spin interaction with meson fields generated by the baryon current in high energy nuclear collisions. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 99, no. 2, 021901., Registrované v: WOS
4. [1.1] GOLOSOV, Oleg - KLOCHKOV, Viktor - KASHIRIN, Evgeny - SELYUZHENKOV, Ilya. Anisotropic flow measured in Pb-Pb collisions with the NA49 and NA61/SHINE experiments at CERN SPS. In *4TH INTERNATIONAL CONFERENCE ON PARTICLE PHYSICS AND ASTROPHYSICS (ICPPA-2018)*. ISSN 1742-6588, 2019, vol. 1390., Registrované v: WOS
5. [1.1] JIN, XiaoHai - CHEN, JinHui - LIN, ZiWei - MA, GuoLiang - MA, YuGang - ZHANG, Song. Explore the QCD phase transition phenomena from a multiphase transport model. In *SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY*. ISSN 1674-7348, 2019, vol. 62, no. 1, 11012., Registrované v: WOS
6. [1.1] KASHIRIN, E. - GOLOSOV, O. - KLOCHKOV, V. - SELYUZHENKOV, I. NEW MEASUREMENT OF PION DIRECTED FLOW RELATIVE TO THE SPECTATOR PLANE BY THE NA49 EXPERIMENT AT CERN. In *ACTA PHYSICA POLONICA B PROCEEDINGS SUPPLEMENT*. ISSN 1899-2358, 2019, vol. 12, no. 2, pp. 419-424., Registrované v: WOS
7. [1.1] KLOCHKOV, V - SELYUZHENKOV, I - ADUSZKIEWICZ, A. - et al. NA61/SHINE measurements of anisotropic flow relative to the spectator plane in Pb plus Pb collisions at 30A GeV/c. In *NUCLEAR PHYSICS A*, 2019, vol. 982, pp. 439-442., Registrované v: WOS
8. [1.1] MARCINEK, Antoni. STRONG AND ELECTROMAGNETIC COLLECTIVE EFFECTS FROM NA61/SHINE. In *ACTA PHYSICA POLONICA B*. ISSN 0587-4254, 2019, vol. 50, no. 6, pp. 1127-1137., Registrované v: WOS
9. [1.1] NARA, Yasushi - STOECKER, Horst. Sensitivity of the excitation functions of collective flow to relativistic scalar and vector meson interactions in the relativistic quantum molecular dynamics model RQMD.RMF. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 100, no. 5, 054902., Registrované v: WOS
10. [1.1] NAYAK, Kishora - SHI, Shusu - XU, Nu - LIN, Zi-Wei. Energy dependence study of directed flow in Au plus Au collisions using an improved coalescence in a multiphase transport model. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 100, no. 5, 054903., Registrované v: WOS
11. [1.1] RYBICKI, A. - SZCZUREK, A. - KIELBOWICZ, M. - MAZUREK, K. - OZVENCHUK, V. New results on energy and momentum conservation in meson production for A plus A collisions at SPS energies. In *MESON 2018 15TH INTERNATIONAL WORKSHOP ON MESON PHYSICS*. ISSN 2100-014X, 2019, vol. 199, UNSP 05002., Registrované v: WOS
12. [1.1] SPUTOWSKA, Iwona - RYBICKI, Andrzej - SZCZUREK, Antoni. SPECTATOR-INDUCED EM EFFECTS ON CHARGED MESON RATIOS IN HEAVY-ION COLLISIONS. In *ACTA PHYSICA POLONICA B PROCEEDINGS SUPPLEMENT*. ISSN 1899-2358, 2019, vol. 12, no. 2, pp. 347-352., Registrované v: WOS
13. [1.1] WANG, Feng-Tao - XU, Jun. Hadronization using the Wigner function approach for a multiphase transport model. In *PHYSICAL REVIEW C*. ISSN

2469-9985, 2019, vol. 100, no. 6, 064909., Registrované v: WOS

14. [1.1] YU, Ning - LUO, Xiaofeng. Particle decay from statistical thermal model in high-energy nucleus-nucleus collisions. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2019, vol. 55, no. 2, 26., Registrované v: WOS

ADCA91

ADAMCZYK, L. - ADKINS, J.K. - AGAKISHIEV, G. - AGGARWAL, M.M. - AHAMMED, Z. - FILIP, Peter. Jet-hadron correlations in root $s(NN)=200$ GeV p plus p and central Au plus Au collisions. In Physical Review Letters, 2014, vol. 112, no. 12, 122301. (2013: 7.728 - IF, Q1 - JCR, 5.674 - SJR, karentované - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.112.122301>

Citácie:

1. [1.1] ACHARYA, S. - ADAMOVA, D. - ADHYA, S. P. - et al. Measurement of jet radial profiles in Pb-Pb collisions at root $s(NN)=2.76$ TeV. In PHYSICS LETTERS B, 2019, vol. 796, pp. 204-219., Registrované v: WOS

2. [1.1] ADARE, A. - AFANASIEV, S. - AIDALA, C. - et al. Measurement of two-particle correlations with respect to second- and third-order event planes in Au plus Au collisions at root $s(NN)=200$ GeV. In PHYSICAL REVIEW C, 2019, vol. 99, no. 5, 054903., Registrované v: WOS

3. [1.1] BISWAS, Rathijit - CHOUDHURY, Subikash - PRASAD, Sidharth Kumar - DAS, Supriya. Study of jet-medium interactions using jet shape observables in heavy ion collisions at LHC energies with JEWEL. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2019, vol. 46, no. 9, 095004., Registrované v: WOS

4. [1.1] LIU, Xiaohui - RINGER, Felix - VOGELSANG, Werner - YUAN, Feng. Lepton-Jet Correlations in Deep Inelastic Scattering at the Electron-Ion Collider. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 122, no. 19, 192003., Registrované v: WOS

5. [1.1] ZHANG, Liu-Yao - CHEN, Jin-Hui - LIN, Zi-Wei - MA, Yu-Gang - ZHANG, Song. Two-particle angular correlations in heavy ion collisions from a multiphase transport model. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 5, 054904., Registrované v: WOS

ADCA92

ADAMCZYK, L. - ADKINS, J.K. - AGAKISHIEV, G. - AGGARWAL, M.M. - AHAMMED, Z. - FILIP, Peter. Observation of D-0 meson nuclear modifications in Au plus Au collisions at root $(NN)-N-s=200$ GeV. In Physical Review Letters, 2014, vol. 113, no. 14, 142301. (2013: 7.728 - IF, Q1 - JCR, 5.674 - SJR, karentované - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.113.142301>

Citácie:

1. [1.1] AIDALA, C. - AKIBA, Y. - ALFRED, M. - et al. Measurement of charm and bottom production from semileptonic hadron decays in p plus p collisions at root $s=200$ GeV. In PHYSICAL REVIEW D, 2019, vol. 99, no. 9, 092003., Registrované v: WOS

2. [1.1] BERAUDO, Andrea - DE PACE, Arturo - MONTENO, Marco - NARDI, Marzia - PRINO, Francesco. Event-shape engineering and heavy-flavour observables in relativistic heavy-ion collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2019, vol. 79, no. 6, 494., Registrované v: WOS

3. [1.1] CAO, Shanshan - COCI, Gabriele - DAS, Santosh Kumar - KE, Weiyao - LIU, Shuai Y. F. - PLUMARI, Salvatore - SONG, Taesoo - XU, Yingru - AICHELIN, Jorg - BASS, Steffen - BRATKOVSKAYA, Elena - DONG, Xin - GOSSIAUX, Pol Bernard - GRECO, Vincenzo - HE, Min - NAHRGANE, Marlene - RAPP, Ralf - SCARDINA, Francesco - WANG, Xin-Nian. Toward the determination of heavy-quark transport coefficients in quark-gluon plasma. In

PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 5, 054907.,

Registrované v: WOS

4. [1.1] CHATTERJEE, Sandeep - BOZEK, Piotr. Strong directed flow of heavy flavor as a probe of matter distribution in heavy-ion collisions. In *NUCLEAR PHYSICS A. ISSN 0375-9474, 2019, vol. 982, pp. 679-682., Registrované v: WOS*

5. [1.1] DONG, Xin - GRECO, Vincenzo. Heavy quark production and properties of Quark-Gluon Plasma. In *PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2019, vol. 104, pp. 97-141., Registrované v: WOS*

6. [1.1] HE, Min - RAPP, Ralf. Charm-baryon production in proton-proton collisions. In *PHYSICS LETTERS B. ISSN 0370-2693, 2019, vol. 795, pp. 117-121., Registrované v: WOS*

7. [1.1] PLUMARI, S. - COCI, G. - DAS, S. K. - MINISALE, V. - GRECO, V. Transport properties from Charm to Bottom: $p(T)$ suppression, anisotropic flow $v(n)$ and their correlations to the bulk dynamics. In *NUCLEAR PHYSICS A. ISSN 0375-9474, 2019, vol. 982, pp. 655-658., Registrované v: WOS*

8. [1.1] SHI, Shuzhe - LIAO, Jinfeng - GYULASSY, Miklos. Global constraints from RHIC and LHC on transport properties of QCD fluids in CUJET/CIBJET framework. In *CHINESE PHYSICS C. ISSN 1674-1137, 2019, vol. 43, no. 4, 044101., Registrované v: WOS*

9. [1.1] SIRUNYAN, A. M. - TUMASYAN, A. - ADAM, W. - et al. Studies of Beauty Suppression via Nonprompt D-0 Mesons in Pb-Pb Collisions at $\sqrt{s(NN)}=5.02$ TeV. In *PHYSICAL REVIEW LETTERS, 2019, vol. 123, no. 2, 022001., Registrované v: WOS*

10. [1.1] SUN, Jiayin - BEDIAGA, I - CRUZ TORRES, M. - et al. Prompt Lambda(+)(c) baryons and D-0 meson production cross-section and nuclear modification in pPb collisions at $\sqrt{s_{NN}}=5.02$ TeV with the LHCb detector. In *NUCLEAR PHYSICS A, 2019, vol. 982, pp. 683-686., Registrované v: WOS*

11. [1.1] WANG, Sa - DAI, Wei - ZHANG, Ben-Wei - WANG, Enke. Diffusion of charm quarks in jets in high-energy heavy-ion collisions. In *EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2019, vol. 79, no. 9., Registrované v: WOS*

12. [1.1] XU, Peng-Zhi - ZHANG, Wei-Ning - ZHANG, Yong. Squeezed back-to-back correlation between bosons and antibosons with different in-medium masses in high-energy heavy-ion collisions. In *PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 1, 011902., Registrované v: WOS*

13. [1.1] YU, Gong-Ming - CAI, Yan-Bing - BAI, Zhen - HU, Qiang. Centrality Dependence of Charmed-Meson Photoproduction in Ultrarelativistic Heavy Ion Collisions. In *COMMUNICATIONS IN THEORETICAL PHYSICS. ISSN 0253-6102, 2019, vol. 71, no. 5, pp. 563-567., Registrované v: WOS*

14. [1.1] ZHANG YIFEI - XIE GUANNAN - ZHANG SHENGHUI - DONG XIN. Heavy flavor hadron measurement at RHIC. In *SCIENTIA SINICA-PHYSICA MECHANICA & ASTRONOMICA. ISSN 1674-7275, 2019, vol. 49, no. 10, UNSP 102003., Registrované v: WOS*

ADCA93

ADAMCZYK, L. - ADKINS, J.K. - AGAKISHIEV, G. - AGGARWAL, M.M. - AHAMMED, Z. - FILIP, Peter. Suppression of upsilon production in d plus Au and Au plus Au collisions at $\sqrt{s_{NN}}=200$ GeV. In *Physics Letters B, 2014, vol. 735, p. 127-137. (2013: 6.019 - IF, Q1 - JCR, 3.707 - SJR, karentované - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 0370-2693.*

Citácie:

1. [1.1] DINH, V. H. - HOELCK, J. - WOLSCHIN, G. Hot-medium effects on Upsilon yields in pPb collisions at $\sqrt{s_{NN}}=8.16$ TeV. In *PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 2, 024906., Registrované v: WOS*

2. [1.1] DU, Xiaojian - LIU, Shuai Y. F. - RAPP, Ralf. Extraction of the heavy-quark potential from bottomonium observables in heavy-ion collisions. In *PHYSICS LETTERS B*. ISSN 0370-2693, 2019, vol. 796, pp. 20-25., Registrované v: WOS
3. [1.1] ELLER, Alexander M. - GHIGLIERI, Jacopo - MOORE, Guy D. Thermal quarkonium mass shift from Euclidean correlators. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2019, vol. 99, no. 9, 094042., Registrované v: WOS
4. [1.1] MAKRIS, Yiannis - VITEV, Ivan. An effective theory of quarkonia in QCD matter. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2019, no. 10, 111., Registrované v: WOS
5. [1.1] SIRUNYAN, A. M. - TUMASYAN, A. - ADAM, W. - et al. Measurement of nuclear modification factors of $\gamma(1S)$, $\gamma(2S)$, and $\gamma(3S)$ mesons in PbPb collisions at $\sqrt{s(NN)}=5.02$ TeV. In *PHYSICS LETTERS B*, 2019, vol. 790, pp. 270-293., Registrované v: WOS
6. [1.1] SIRUNYAN, A. M. - TUMASYAN, A. - ADAM, W. - et al. Measurement of prompt $\psi(2S)$ production cross sections in proton-lead and proton-proton collisions at $\sqrt{s(NN)}=5.02$ TeV. In *PHYSICS LETTERS B*, 2019, vol. 790, pp. 509-532., Registrované v: WOS

ADCA94

ADAMCZYK, L. - ADKINS, J.K. - AGAKISHIEV, G. - AGGARWAL, M.M. - AHAMMED, Z. - FILIP, Peter. Azimuthal anisotropy in U plus U and Au plus Au collisions at RHIC. In *Physical Review Letters*, 2015, vol. 115, no. 22, 222301. (2014: 7.512 - IF, Q1 - JCR, 5.232 - SJR, Q1 - SJR, karentované - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.115.222301>

Citácie:

1. [1.1] BAREJ, Michal - BZDAK, Adam - GUTOWSKI, Pawel. Wounded nucleon, quark, and quark-diquark emission functions versus experimental results from the BNL Relativistic Heavy Ion Collider at $\sqrt{s(NN)}=200$ GeV. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 100, no. 6, 064902., Registrované v: WOS
2. [1.1] GIACALONE, Giuliano - GUERRERO-RODRIGUEZ, Pablo - LUZUM, Matthew - MARQUET, Cyrille - OLLITRAULT, Jean-Yves. Fluctuations in heavy-ion collisions generated by QCD interactions in the color glass condensate effective theory. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 100, no. 2, 024905., Registrované v: WOS
3. [1.1] GIACALONE, Giuliano. Elliptic flow fluctuations in central collisions of spherical and deformed nuclei. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 99, no. 2, 024910., Registrované v: WOS
4. [1.1] HAQUE, Md Rihan - NASIM, Md - MOHANTY, Bedangadas. Systematic investigation of azimuthal anisotropy in Au plus Au and U plus U collisions at $\sqrt{s(NN)}=200$ GeV. In *JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS*. ISSN 0954-3899, 2019, vol. 46, no. 8, 085104., Registrované v: WOS
5. [1.1] RATH, Rutuparna - TRIPATHY, Sushanta - SAHOO, Raghunath - DE, Sudipan - YOUNUS, Mohammed. Identified-particle production in Xe plus Xe collisions at $\sqrt{s(NN)}=5.44$ TeV using a multiphase transport model. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 99, no. 6, 064903., Registrované v: WOS
6. [1.1] SCHENKE, Bjorn - SHEN, Chun - TRIBEDY, Prithwish. Multiparticle and charge-dependent azimuthal correlations in heavy-ion collisions at the Relativistic Heavy-Ion Collider. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 99, no. 4, 044908., Registrované v: WOS
7. [1.1] SIEVERT, M. - NORONHA-HOSTLER, J. CERN Large Hadron Collider

system size scan predictions for PbPb, XeXe, ArAr, and OO with relativistic hydrodynamics. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 2, 024904., Registrované v: WOS

ADCA95

ADAMCZYK, L. - ADKINS, J.K. - AGAKISHIEV, G. - AGGARWAL, M.M. - AHAMMED, Z. - FILIP, Peter. Lambda Lambda Correlation Function in Au plus Au Collisions at root s(NN)=200 GeV. In Physical Review Letters, 2015, vol. 114, no. 2, 022301. (2014: 7.512 - IF, Q1 - JCR, 5.232 - SJR, Q1 - SJR, karentované - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.114.022301>

Citácie:

1. [1.1] ACHARYA, S. - ADAMOVA, D. - ADHYA, S. P. - et al. First Observation of an Attractive Interaction between a Proton and a Cascade Baryon. In PHYSICAL REVIEW LETTERS, 2019, vol. 123, no. 11, 112002., Registrované v: WOS
2. [1.1] ACHARYA, S. - ADAMOVA, D. - ADHYA, S. P. - et al. Study of the Lambda-Lambda interaction with femtoscopy correlations in pp and p-Pb collisions at the LHC. In PHYSICS LETTERS B, 2019, vol. 797, UNSP 134822., Registrované v: WOS
3. [1.1] ACHARYA, S. - ADAMOVA, D. - ADOLFSSON, J. - et al. p-p, p-Lambda, and Lambda-Lambda correlations studied via femtoscopy in pp reactions at root s=7 TeV. In PHYSICAL REVIEW C, 2019, vol. 99, no. 2, 024001., Registrované v: WOS
4. [1.1] BRAUN-MUNZINGER, Peter - DOENIGUS, Benjamin. Loosely-bound objects produced in nuclear collisions at the LHC. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2019, vol. 987, pp. 144-201., Registrované v: WOS
5. [1.1] CONTESSI, L. - SCHAFER, M. - BARNEA, N. - GAL, A. - MARES, J. The onset of Lambda Lambda hypernuclear binding. In PHYSICS LETTERS B. ISSN 0370-2693, 2019, vol. 797, UNSP 134893., Registrované v: WOS
6. [1.1] HAIDENBAUER, J. Coupled-channel effects in hadron-hadron correlation functions. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2019, vol. 981, pp. 1-16., Registrované v: WOS
7. [1.1] SHAHRBAF, M. - MOSHFEGH, H. R. - MODARRES, M. Equation of state and correlation functions of hypernuclear matter within the lowest order constrained variational method. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 4, 044314., Registrované v: WOS
8. [1.1] WANG, Ting-Ting - MA, Yu-Gang - ZHANG, Zheng-Qiao. Effects of P-tot gates and velocity gates on light-particle momentum correlation in intermediate-energy heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 5, 054626., Registrované v: WOS

ADCA96

ADAMCZYK, L. - ADKINS, J.K. - AGAKISHIEV, G. - AGGARWAL, M.M. - AHAMMED, Z. - FILIP, Peter. Precision measurement of the longitudinal double-spin asymmetry for inclusive jet production in polarized proton collisions at root s=200 GeV. In Physical Review Letters, 2015, vol. 115, no. 9, 092002. (2014: 7.512 - IF, Q1 - JCR, 5.232 - SJR, Q1 - SJR, karentované - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.115.092002>

Citácie:

1. [1.1] AN, C. S. - SAGHAI, B. Orbital angular momentum of the proton and intrinsic five-quark Fock states. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 99, no. 9, 094039., Registrované v: WOS
2. [1.1] DEUR, Alexandre - BRODSKY, Stanley J. - DE TERAMOND, Guy F. The spin structure of the nucleon. In REPORTS ON PROGRESS IN PHYSICS. ISSN

0034-4885, 2019, vol. 82, no. 7, 076201., Registrované v: WOS

3. [1.1] FORTE, Stefano - LEVY, Aharon - RIDOLFI, Giovanni. *From My Vast Repertoire ... Guido Altarelli's Legacy Preface. In FROM MY VAST REPERTOIRE ... : GUIDO ALTARELLI'S LEGACY*, 2019, pp. V-+, Registrované v: WOS

4. [1.1] HATTA, Yoshitaka - YAO, Xiaojun. *QCD evolution of the orbital angular momentum of quarks and gluons: Genuine twist-three part. In PHYSICS LETTERS B. ISSN 0370-2693*, 2019, vol. 798, 134941., Registrované v: WOS

ADAMCZYK, L. - ADKINS, J.K. - AGAKISHIEV, G. - AGGARWAL, M.M. - AHAMMED, Z. - FILIP, Peter. *Observation of charge asymmetry dependence of pion elliptic flow and the possible chiral magnetic wave in heavy-ion collisions. In Physical Review Letters*, 2015, vol. 114, no. 25, 252302. (2014: 7.512 - IF, Q1 - JCR, 5.232 - SJR, Q1 - SJR, karentované - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na:

<https://doi.org/10.1103/PhysRevLett.114.252302>

Citácie:

1. [1.1] HAN, Zhang-Zhu - XU, Jun. *Charge asymmetry dependence of the elliptic flow splitting in relativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985*, 2019, vol. 99, no. 4, 044915., Registrované v: WOS

2. [1.1] LIU, He - WANG, Feng-Tao - SUN, Kai-Jia - XU, Jun - KO, Che Ming. *Isospin splitting of pion elliptic flow in relativistic heavy-ion collisions. In PHYSICS LETTERS B. ISSN 0370-2693*, 2019, vol. 798, 135002., Registrované v: WOS

3. [1.1] RYBALKA, D. O. - GORBAR, E. V. - SHOVKOVY, I. A. *Hydrodynamic modes in a magnetized chiral plasma with vorticity. In PHYSICAL REVIEW D. ISSN 2470-0010*, 2019, vol. 99, no. 1, 016017., Registrované v: WOS

4. [1.1] SHEN, Diyu - CHEN, Jinhui - MA, Guoliang - MA, Yu-Gang - SHOU, Qiye - ZHANG, Song - ZHONG, Chen. *Charge asymmetry dependence of flow and a novel correlator to detect the chiral magnetic wave in a multiphase transport model. In PHYSICAL REVIEW C. ISSN 2469-9985*, 2019, vol. 100, no. 6, 064907., Registrované v: WOS

5. [1.1] SIRUNYAN, A. M. - TUMASYAN, A. - ADAM, W. - et al. *Probing the chiral magnetic wave in pPb and PbPb collisions at root S-NN=5.02 TeV using charge-dependent azimuthal anisotropies. In PHYSICAL REVIEW C*, 2019, vol. 100, no. 6, 064908., Registrované v: WOS

6. [1.1] VAN DER WURFF, E. C. - STOOF, H. T. C. *Magnetovortical and thermoelectric transport in tilted Weyl metals. In PHYSICAL REVIEW B. ISSN 2469-9950*, 2019, vol. 100, no. 4, 045114., Registrované v: WOS

7. [1.1] YE, Y. J. - MA, Y. G. - TANG, A. H. - WANG, G. *Effect of magnetic fields on pairs of oppositely charged particles in ultrarelativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985*, 2019, vol. 99, no. 4, 044901., Registrované v: WOS

8. [1.1] ZHAO, Jie - WANG, Fuqiang. *Experimental searches for the chiral magnetic effect in heavy-ion collisions. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410*, 2019, vol. 107, pp. 200-236., Registrované v: WOS

9. [1.1] ZHAO, Xin-Li - MA, Guo-Liang - MA, Yu-Gang. *Novel mechanism for electric quadrupole moment generation in relativistic heavy-ion collisions. In PHYSICS LETTERS B. ISSN 0370-2693*, 2019, vol. 792, pp. 413-418., Registrované v: WOS

10. [1.1] ZHOU, Wen-Hao - XU, Jun. *Simulating chiral anomalies with spin dynamics. In PHYSICS LETTERS B. ISSN 0370-2693*, 2019, vol. 798, 134932.,

Registrované v: WOS

ADCA98

ADAMCZYK, L. - ADKINS, J.K. - AGAKISHIEV, G. - AGGARWAL, M.M. - AHAMMED, Z. - FILIP, Peter. Observation of an energy-dependent difference in elliptic flow between particles and antiparticles in relativistic heavy ion collisions. In Physical Review Letters, 2013, vol. 110, no. 14, 142301. (2012: 7.943 - IF, Q1 - JCR, 6.292 - SJR, Q1 - SJR, karentované - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.110.142301>

Citácie:

1. [1.1] JIN, XiaoHai - CHEN, JinHui - LIN, ZiWei - MA, GuoLiang - MA, YuGang - ZHANG, Song. Explore the QCD phase transition phenomena from a multiphase transport model. In SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY. ISSN 1674-7348, 2019, vol. 62, no. 1, 11012., Registrované v: WOS
2. [1.1] LIU, He - WANG, Feng-Tao - SUN, Kai-Jia - XU, Jun - KO, Che Ming. Isospin splitting of pion elliptic flow in relativistic heavy-ion collisions. In PHYSICS LETTERS B. ISSN 0370-2693, 2019, vol. 798, 135002., Registrované v: WOS
3. [1.1] TU, Biao - SHI, Shusu - LIU, Feng. Elliptic flow of transported and produced protons in Au plus Au collisions with the UrQMD model. In CHINESE PHYSICS C. ISSN 1674-1137, 2019, vol. 43, no. 5, 054106., Registrované v: WOS
4. [1.1] XU, Zhenyu - LIU, Jianli - ZHANG, Panpan - WEI, Donghai - ZHANG, Jingbo - HUO, Lei. Elliptic flow of hadrons in Au plus Au collisions at root S-NN=7.7, 19.6 and 39 GeV from a multi-phase transport model based on a dynamical quark coalescence mechanism. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2019, vol. 46, no. 7, 075102., Registrované v: WOS

ADCA99

ADAMCZYK, L. - ADKINS, J.K. - AGAKISHIEV, G. - AGGARWAL, M.M. - AHAMMED, Z. - FILIP, Peter. Fluctuations of charge separation perpendicular to the event plane and local parity violation in S-NN=200 GeV Au+Au collisions at the BNL relativistic heavy ion collider. In Physical Review C, 2013, vol. 88, no. 6, 064911. (2012: 3.715 - IF, 2.769 - SJR, Q1 - SJR, karentované - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.88.064911>

Citácie:

1. [1.1] PRATT, Scott - PLUMBERG, Christopher. Evolving charge correlations in a hybrid model with both hydrodynamics and hadronic Boltzmann descriptions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 4, 044916., Registrované v: WOS
2. [1.1] SCHENKE, Bjorn - SHEN, Chun - TRIBEDY, Prithwish. Multiparticle and charge-dependent azimuthal correlations in heavy-ion collisions at the Relativistic Heavy-Ion Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 4, 044908., Registrované v: WOS
3. [1.1] TU, Zhoudunming - SIRUNYAN, A. M. - TUMASYAN, A. - et al. Search for the chiral magnetic effect at the LHC with the CMS experiment. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2019, vol. 982, pp. 527-530., Registrované v: WOS
4. [1.1] TU, Zhoudunming. Search for the chiral magnetic effect and vorticity-induced polarization effects in nuclear collisions. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2019, vol. 982, pp. 50-56., Registrované v: WOS
5. [1.1] YANG, Weihua. Parity-odd parton distribution functions from theta-vacuum. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2019, vol. 34, no. 26, 1950145., Registrované v: WOS

6. [1.1] YE, Y. J. - MA, Y. G. - TANG, A. H. - WANG, G. *Effect of magnetic fields on pairs of oppositely charged particles in ultrarelativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 4, 044901., Registrované v: WOS*

7. [1.1] ZHAO, Jie - LI, Hanlin - WANG, Fuqiang. *Isolating the chiral magnetic effect from backgrounds by pair invariant mass. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2019, vol. 79, no. 2, 168., Registrované v: WOS*

8. [1.1] ZHAO, Jie - WANG, Fuqiang. *Experimental searches for the chiral magnetic effect in heavy-ion collisions. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2019, vol. 107, pp. 200-236., Registrované v: WOS*

ADCA100 ADAMCZYK, L. - ADKINS, J.K. - AGAKISHIEV, G. - AGGARWAL, M.M. - AHAMMED, Z. - FILIP, Peter. *Neutral pion cross section and spin asymmetries at intermediate pseudorapidity in polarized proton collisions at root s= 200 GeV. In Physical Review D, 2014, vol. 89, no. 1, 012001. (2013: 4.864 - IF, Q1 - JCR, karentované - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.89.012001>*

Citácie:

1. [1.1] MOHAMADITABAR, Alireza - TAGHAVI-SHAHRI, F. - KHANPOUR, Hamzeh - SOLEYMANINIA, Maryam. *Determination of contributions from residual light charged hadrons to inclusive charged hadrons from e(+)e(-) annihilation data. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2019, vol. 55, no. 10, 185., Registrované v: WOS*

ADCA101 ADAMCZYK, L. - ADKINS, J.K. - AGAKISHIEV, G. - AGGARWAL, M.M. - AHAMMED, Z. - FILIP, Peter. *Beam-energy-dependent two-pion interferometry and the freeze-out eccentricity of pions measured in heavy ion collisions at the STAR detector. In Physical Review C. Nuclear physics, 2015, vol. 92, no. 1, 14904. (2014: 3.733 - IF, 2.480 - SJR, Q1 - SJR, karentované - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.92.014904>*

Citácie:

1. [1.1] ADAMCZEWSKI-MUSCH, J. - ARNOLD, O. - BEHNKE, C. - et al. *Identical pion intensity interferometry in central Au plus Au collisions at 1.23A GeV HADES Collaboration. In PHYSICS LETTERS B, 2019, vol. 795, pp. 446-451., Registrované v: WOS*

2. [1.1] BRAUN-MUNZINGER, Peter - DOENIGUS, Benjamin. *Loosely-bound objects produced in nuclear collisions at the LHC. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2019, vol. 987, no., pp. 144-201., Registrované v: WOS*

3. [1.1] JANIK, Malgorzata Anna. *Overview of recent femtoscopy measurements with ALICE. In ACTA PHYSICA POLONICA B PROCEEDINGS SUPPLEMENT. ISSN 1899-2358, 2019, vol. 12, no. 2, pp. 199-204., Registrované v: WOS*

4. [1.1] KURGYIS, Balint. *Three-dimensional LEVY HBT results from PHENIX. In ACTA PHYSICA POLONICA B PROCEEDINGS SUPPLEMENT. ISSN 1899-2358, 2019, vol. 12, no. 2, pp. 477-482., Registrované v: WOS*

ADCA102 ADAMCZYK, L. - ADKINS, J.K. - AGAKISHIEV, G. - AGGARWAL, M.M. - AHAMMED, Z. - FILIP, Peter. *Measurements of dielectron production in Au plus Au collisions at root s(NN)=200 GeV from the STAR experiment. In Physical Review C. Nuclear physics, 2015, vol. 92, no. 2, 024912. (2014: 3.733 - IF, 2.480 - SJR, Q1 - SJR, karentované - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.92.024912>*

Citácie:

1. [1.1] ACHARYA, S. - ACOSTA, F. T. - ADAMOVA, D. - et al. *Production of the*

- rho(770)(0) meson in pp and Pb-Pb collisions at root S-NN=2.76 TeV. In PHYSICAL REVIEW C, 2019, vol. 99, no. 6, UNSP 064901., Registrované v: WOS*
2. [1.1] ADAMCZEWSKI-MUSCH, J. - ARNOLD, O. - BEHNKE, C. - et al. Probing dense baryon-rich matter with virtual photons. In NATURE PHYSICS, 2019, vol. 15, no. 10, pp. 1040-+, Registrované v: WOS
3. [1.1] HARABASZ, Szymon - ADAMCZEWSKI-MUSCH, J. - ARNOLD, O. - et al. Multi-differential pattern of low-mass $e^{+}e^{-}$ excess from root S-NN=2.4 GeV Au+Au collisions with HADES. In NUCLEAR PHYSICS A, 2019, vol. 982, pp. 771-774., Registrované v: WOS
4. [1.1] KLUSEK-GAWENDA, Mariola - RAPP, Ralf - SCHAFER, Wolfgang - SZCZUREK, Antoni. Dilepton radiation in heavy-ion collisions at small transverse momentum. In PHYSICS LETTERS B. ISSN 0370-2693, 2019, vol. 790, pp. 339-344., Registrované v: WOS
5. [1.1] ZHAO, Jie - LI, Hanlin - WANG, Fuqiang. Isolating the chiral magnetic effect from backgrounds by pair invariant mass. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2019, vol. 79, no. 2, 168., Registrované v: WOS
6. [1.1] ZHAO, Jie - WANG, Fuqiang. Experimental searches for the chiral magnetic effect in heavy-ion collisions. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2019, vol. 107, pp. 200-236., Registrované v: WOS

ADCA103 ADAMCZYK, L. - ADKINS, J.K. - AGAKISHIEV, G. - AGGARWAL, M.M. - AHAMMED, Z. - FILIP, Peter. Long-range pseudorapidity dihadron correlations in d+Au collisions at root s(NN)=200 GeV. In Physics Letters B, 2015, vol. 747, p. 265-271. (2014: 6.131 - IF, Q1 - JCR, 3.562 - SJR, Q1 - SJR, karentované - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2015.05.075>
<https://doi.org/10.1016/j.physletb.2015.05.075>

Citácie:

1. [1.1] ABADA, A. - ABBRESCIA, M. - ABDUSSALAM, S. S. - et al. FCC Physics Opportunities: Future Circular Collider Conceptual Design Report Volume 1. In EUROPEAN PHYSICAL JOURNAL C, 2019, vol. 79, no. 6, 474., Registrované v: WOS
2. [1.1] ACHARYA, S. - ADAMOVA, D. - ADOLFSSON, J. - et al. Azimuthal Anisotropy of Heavy-Flavor Decay Electrons in p-Pb Collisions at root s(NN)=5.02 TeV. In PHYSICAL REVIEW LETTERS, 2019, vol. 122, no. 7, 072301., Registrované v: WOS
3. [1.1] AGOSTINI, Pedro - ALTINOLUK, Tolga - ARMESTO, Nestor. Effect of non-eikonal corrections on azimuthal asymmetries in the color glass condensate. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2019, vol. 79, no. 9., Registrované v: WOS
4. [1.1] AGOSTINI, Pedro - ALTINOLUK, Tolga - ARMESTO, Nestor. Non-eikonal corrections to multi-particle production in the color glass condensate. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2019, vol. 79, no. 7, 600., Registrované v: WOS
5. [1.1] AIDALA, C. - AKIBA, Y. - ALFRED, M. - et al. Nonperturbative-transverse-momentum broadening in dihadron angular correlations in root S-NN=200 GeV proton-nucleus collisions. In PHYSICAL REVIEW C, 2019, vol. 99, no. 4, 044912., Registrované v: WOS
6. [1.1] BLOK, Boris - WIEDEMANN, Urs Achim. Collectivity in pp from resummed interference effects? In PHYSICS LETTERS B. ISSN 0370-2693, 2019, vol. 795, pp. 259-265., Registrované v: WOS

7. [1.1] DONG, Xin - LEE, Yen-Jie - RAPP, Ralf. Open Heavy-Flavor Production in Heavy-Ion Collisions. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 69. ISSN 0163-8998, 2019, vol. 69, pp. 417-445., Registrované v: WOS
8. [1.1] HUANG, Shengli - ADAM, J. - ADAMCZYK, L. - et al. Long-range collectivity in small collision systems with two- and four-particle correlations at STAR. In NUCLEAR PHYSICS A, 2019, vol. 982, pp. 475-478., Registrované v: WOS
9. [1.1] KURKELA, Aleksy - WIEDEMANN, Urs Achim - WU, Bin. Flow in AA and pA as an interplay of fluid-like and non-fluid like excitations. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2019, vol. 79, no. 11, 965., Registrované v: WOS
10. [1.1] KURKELA, Aleksy - WIEDEMANN, Urs Achim - WU, Bin. Opacity dependence of elliptic flow in kinetic theory. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2019, vol. 79, no. 9, 759., Registrované v: WOS
11. [1.1] NIE, Maowu - YI, Li - LUO, Xiaofeng - MA, Guoliang - JIA, Jiangyong. Influence of initial-state momentum anisotropy on the final-state collectivity in small collision systems. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 6, 064905., Registrované v: WOS
12. [1.1] SIRUNYAN, A. M. - TUMASYAN, A. - ADAM, W. - et al. Observation of prompt J/psi meson elliptic flow in high-multiplicity pPb collisions at root s(NN)=8.16 TeV. In PHYSICS LETTERS B, 2019, vol. 791, pp. 172-194., Registrované v: WOS
13. [1.1] ZHANG, Liu-Yao - CHEN, Jin-Hui - LIN, Zi-Wei - MA, Yu-Gang - ZHANG, Song. Two-particle angular correlations in heavy ion collisions from a multiphase transport model. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 5, 054904., Registrované v: WOS

ADCA104 ADAMCZYK, L. - ADKINS, J.K. - AGAKISHIEV, G. - AGGARWAL, M.M. - AHAMMED, Z. - FILIP, Peter. Effect of event selection on jetlike correlation measurement in d plus Au collisions at root s(NN)=200 GeV. In Physics Letters B, 2015, vol. 743, p. 333-339. (2014: 6.131 - IF, Q1 - JCR, 3.562 - SJR, Q1 - SJR, karentované - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2015.02.068>

Citácie:

1. [1.1] YI, Li. Study of Small Colliding Systems. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2019, vol. 982, pp. 85-91., Registrované v: WOS

ADCA105 ADAMCZYK, L. - ADKINS, J.K. - AGAKISHIEV, G. - AGGARWAL, M.M. - AHAMMED, Z. - FILIP, Peter. Di-hadron correlations with identified leading hadrons in 200 GeV Au + Au and d plus Au collisions at STAR. In Physics Letters B, 2015, vol. 751, p. 233-240. (2014: 6.131 - IF, Q1 - JCR, 3.562 - SJR, Q1 - SJR, karentované - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2015.10.037>

Citácie:

1. [1.1] RAY, R. L. - JENTSCH, A. Phenomenological models of two-particle correlation distributions on transverse momentum in relativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 2, 024911., Registrované v: WOS

ADCA106 ADAMCZYK, L. - ADKINS, J.K. - AGAKISHIEV, G. - AGGARWAL, M.M. - AHAMMED, Z. - FILIP, Peter. Freeze-out dynamics via charged kaon femtoscopy in sNN=200 GeV central Au+Au collisions. In Physical Review C, 2013, vol. 88, no. 3, 034906. (2012: 3.715 - IF, 2.769 - SJR, Q1 - SJR, karentované - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na:

<https://doi.org/10.1103/PhysRevC.88.034906>

Citácie:

1. [1.1] ACHARYA, S. - ADAMOVA, D. - ADHYA, S. P. - et al. One-dimensional charged kaon femtoscopy in p-Pb collisions at root $s(NN)=5.02$ TeV. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 2, 024002., Registrované v: WOS

ADCA107 ADAMCZYK, L. - ADKINS, J.K. - AGAKISHIEV, G. - AGGARWAL, M.M. - AHAMMED, Z. - FILIP, Peter. Third harmonic flow of charged particles in Au+Au collisions at root $s(NN)=200$ GeV. In Physical Review C, 2013, vol. 88, no. 1, 014904. (2012: 3.715 - IF, 2.769 - SJR, Q1 - SJR, karentované - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1088/1742-6596/420/1/012038>

Citácie:

1. [1.1] ADARE, A. - AIDALA, C. - AJITANAND, N. N. - et al. Multiparticle azimuthal correlations for extracting event-by-event elliptic and triangular flow in Au plus Au collisions at root $S-NN=200$ GeV. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 2, 024903., Registrované v: WOS
2. [1.1] NIEMI, H. - ESKOLA, K. J. - PAATELAINEN, R. - TUOMINEN, K. Latest predictions from the EbyE NLO EKRT model. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2019, vol. 982, pp. 443-446., Registrované v: WOS
3. [1.1] YI, Li. Study of Small Colliding Systems. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2019, vol. 982, pp. 85-91., Registrované v: WOS

ADCA108 ADAMCZYK, L. - ADKINS, J.K. - AGAKISHIEV, G. - AGGARWAL, M.M. - AHAMMED, Z. - FILIP, Peter. Elliptic flow of identified hadrons in Au+Au collisions at root $s(NN)=7.7-62.4$ GeV. In Physical Review C, 2013, vol. 88, no. 1, 014902. (2012: 3.715 - IF, 2.769 - SJR, Q1 - SJR, karentované - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.88.014902>

Citácie:

1. [1.1] FLOERCHINGER, Stefan - GROSSI, Eduardo - LION, Jorrit. Fluid dynamics of heavy ion collisions with mode expansion. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 1, 014905, Registrované v: WOS
2. [1.1] GALE, Charles - JEON, Sangyong - MCDONALD, Scott - PAQUET, Jean-Francois - SHEN, Chun. Photon radiation from heavy-ion collisions in the root $S-NN=19-200$ GeV regime. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2019, vol. 982, pp. 767-770., Registrované v: WOS
3. [1.1] KIKOLA, D. - BRODSKY, S. J. - CAVOTO, G. - et al. A fixed-target programme at the LHC for heavy-ion, hadron, spin and astroparticle physics: AFTER@LHC. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2019, vol. 982, pp. 971-974., Registrované v: WOS
4. [1.1] LIU, He - WANG, Feng-Tao - SUN, Kai-Jia - XU, Jun - KO, Che Ming. Isospin splitting of pion elliptic flow in relativistic heavy-ion collisions. In PHYSICS LETTERS B. ISSN 0370-2693, 2019, vol. 798, 135002, Registrované v: WOS
5. [1.1] TU, Biao - SHI, Shusu - LIU, Feng. Elliptic flow of transported and produced protons in Au plus Au collisions with the UrQMD model. In CHINESE PHYSICS C. ISSN 1674-1137, 2019, vol. 43, no. 5, 054106, Registrované v: WOS
6. [1.1] XU, Zhenyu - LIU, Jianli - ZHANG, Panpan - WEI, Donghai - ZHANG, Jingbo - HUO, Lei. Elliptic flow of hadrons in Au plus Au collisions at root $S-NN=7.7, 19.6$ and 39 GeV from a multi-phase transport model based on a dynamical quark coalescence mechanism. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2019, vol. 46, no. 7,

075102, Registrované v: WOS

- ADCA109 ADAMCZYK, L. - ADKINS, J.K. - AGAKISHIEV, G. - AGGARWAL, M.M. - AHAMMED, Z. - FILIP, Peter. Measurement of J/psi Azimuthal Anisotropy in Au plus Au Collisions at root s(NN)=200 GeV. In Physical Review Letters, 2013, vol. 111, no. 5, 052301. (2012: 7.943 - IF, Q1 - JCR, 6.292 - SJR, Q1 - SJR, karentované - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Citácie:

1. [1.1] ACHARYA, S. - ADAMOVA, D. - ADHYA, S. P. - et al. Measurement of Upsilon(1S) Elliptic Flow at Forward Rapidity in Pb-Pb Collisions at root s(NN)=5.02 TeV. In PHYSICAL REVIEW LETTERS, 2019, vol. 123, no. 19, 192301., Registrované v: WOS

- ADCA110 ADAMCZYK, L. - AGAKISHIEV, G. - AGGARWAL, M.M. - AHAMMED, Z. - ALAKHVERDYANTS, A.V. - FILIP, Peter. J/psi production at high transverse momenta in p plus p and Au plus Au collisions at root s(NN)=200 GeV. In Physics Letters B, 2013, vol. 722, no. 1-3, p. 55-62. (2012: 4.569 - IF, Q1 - JCR, 3.353 - SJR, Q1 - SJR, karentované - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2013.04.010>

Citácie:

1. [1.1] GUO, Jihong - DAI, Wu-Sheng - XIE, Mi - LIU, Yunpeng. Heavy quarkonium dissociation in the finite space of heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 5, 054901., Registrované v: WOS

- ADCA111 ADAMCZYK, L. - AGAKISHIEV, G. - AGGARWAL, M.M. - AHAMMED, Z. - ALAKHVERDYANTS, A.V. - FILIP, Peter. Transverse single-spin asymmetry and cross-section for S\pi^0S and S\etaS mesons at large Feynman-SxS in polarized p+p collisions at S\sqrt{s}=200 GeV. In Physical Review D, 2012, vol. 86, no. 5, 051101. (2011: 4.558 - IF, Q1 - JCR, 2.795 - SJR, Q1 - SJR, karentované - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.86.051101>

Citácie:

1. [1.1] AIDALA, C. - AKIBA, Y. - ALFRED, M. - et al. Nuclear Dependence of the Transverse Single-Spin Asymmetry in the Production of Charged Hadrons at Forward Rapidity in Polarized p plus p, p plus Al, and p plus Au Collisions at root s(NN)=200 GeV. In PHYSICAL REVIEW LETTERS, 2019, vol. 123, no. 12, 122001., Registrované v: WOS
2. [1.1] BASS, Steven D. - MOSKAL, Pawel. eta ' and eta mesons with connection to anomalous glue. In REVIEWS OF MODERN PHYSICS. ISSN 0034-6861, 2019, vol. 91, no. 1, 015003., Registrované v: WOS
3. [1.1] BENIC, Sanjin - HATTA, Yoshitaka - LI, Hsiang-nan - YANG, Dong-Jing. Single-spin asymmetries at two loops. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 100, no. 9, 094027., Registrované v: WOS
4. [1.1] LI, H. - VOSSEN, A. - AIHARA, H. - ASNER, D. M. - et al. Azimuthal asymmetries of back-to-back pi(+/-) - (pi(0), eta, pi(+/-)) pairs in e(+) e(-) annihilation. In PHYSICAL REVIEW D, 2019, vol. 100, no. 9, 092008., Registrované v: WOS
5. [1.1] LUO, Xuan - SUN, Hao - LI, Jing - XIE, Yi-Ling - TICHOUK. Double spin asymmetry in dihadron production in SIDIS off a longitudinally polarized nucleon target. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 100, no. 9, 094036., Registrované v: WOS
6. [1.1] YANG, Wei - WANG, Xiaoyu - YANG, Yongliang - LU, Zhun. Single-spin asymmetry in dihadron production in SIDIS off longitudinally polarized nucleon targets. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 99, no. 5, 054003., Registrované v: WOS

ADCA112 ADAMCZYK, L. - AGAKISHIEV, G. - AGGARWAL, M.M. - AHAMMED, Z. - ALAKHVERDYANTS, A.V. - FILIP, Peter. Longitudinal and transverse spin asymmetries for inclusive jet production at mid-rapidity in polarized p+p collisions at $\sqrt{s}=200$ GeV. In Physical Review D, 2012, vol. 86, no. 3, 032006. (2011: 4.558 - IF, Q1 - JCR, 2.795 - SJR, Q1 - SJR, karentované - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.86.032006>

Citácie:

1. [1.1] HATTA, Yoshitaka - YAO, Xiaojun. QCD evolution of the orbital angular momentum of quarks and gluons: Genuine twist-three part. In PHYSICS LETTERS B. ISSN 0370-2693, 2019, vol. 798, 134941., Registrované v: WOS

ADCA113 ADAMCZYK, L. - AGAKISHIEV, G. - AGGARWAL, M.M. - AHAMMED, Z. - ALAKHVERDYANTS, A.V. - FILIP, Peter. Measurements of D-0 and D* production in p + p collisions at $\sqrt{s}=200$ GeV. In Physical Review D, 2012, vol. 86, no. 7, 072013. (2011: 4.558 - IF, Q1 - JCR, 2.795 - SJR, Q1 - SJR, karentované - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.86.072013>

Citácie:

1. [1.1] AIDALA, C. - AKIBA, Y. - ALFRED, M. - et al. Measurement of charm and bottom production from semileptonic hadron decays in p plus p collisions at $\sqrt{s}=200$ GeV. In PHYSICAL REVIEW D, 2019, vol. 99, no. 9, 092003., Registrované v: WOS

2. [1.1] DONG, Xin - GRECO, Vincenzo. Heavy quark production and properties of Quark-Gluon Plasma. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2019, vol. 104, pp. 97-141., Registrované v: WOS

3. [1.1] DONG, Xin - LEE, Yen-Jie - RAPP, Ralf. Open Heavy-Flavor Production in Heavy-Ion Collisions. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 69. ISSN 0163-8998, 2019, vol. 69, pp. 417-445., Registrované v: WOS

4. [1.1] FEDYNITCH, Anatoli - RIEHN, Felix - ENGEL, Ralph - GAISSER, Thomas K. - STANEV, Todor. Hadronic interaction model SIBYLL 2.3c and inclusive lepton fluxes. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 100, no. 10, 103018., Registrované v: WOS

5. [1.1] HE, Min - RAPP, Ralf. Charm-baryon production in proton-proton collisions. In PHYSICS LETTERS B. ISSN 0370-2693, 2019, vol. 795, pp. 117-121., Registrované v: WOS

6. [1.1] SONG, T. - BRATKOVSKAYA, E. - CASSING, W. - MOREAU, P. Electromagnetic probes of the quark-gluon plasma. In ASTRONOMISCHE NACHRICHTEN. ISSN 0004-6337, 2019, vol. 340, no. 1-3, pp. 157-162., Registrované v: WOS

7. [1.1] YU, Gong-Ming - CAI, Yan-Bing - BAI, Zhen - HU, Qiang. Centrality Dependence of Charmed-Meson Photoproduction in Ultrarelativistic Heavy Ion Collisions. In COMMUNICATIONS IN THEORETICAL PHYSICS. ISSN 0253-6102, 2019, vol. 71, no. 5, pp. 563-567., Registrované v: WOS

8. [1.1] ZHANG YIFEI - XIE GUANNAN - ZHANG SHENGHUI - DONG XIN. Heavy flavor hadron measurement at RHIC. In SCIENTIA SINICA-PHYSICA MECHANICA & ASTRONOMICA. ISSN 1674-7275, 2019, vol. 49, no. 10, UNSP 102003., Registrované v: WOS

ADCA114 ADAMCZYK, L. - AGAKISHIEV, G. - AGGARWAL, M.M. - AHAMMED, Z. - ALAKHVERDYANTS, A.V. - FILIP, Peter. Di-electron spectrum at mid-rapidity in Sp+pS collisions at $\sqrt{s}=200$ GeV. In Physical Review C, 2012, vol. 86, no. 2, 024906. (2011: 3.308 - IF, 2.962 - SJR, Q1 - SJR, karentované - CCC). (2012 -

Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na:
<https://doi.org/10.1103/PhysRevC.86.024906>

Citácie:

1. [1.1] ZHANG YIFEI - XIE GUANNAN - ZHANG SHENGHUI - DONG XIN. *Heavy flavor hadron measurement at RHIC. In SCIENTIA SINICA-PHYSICA MECHANICA & ASTRONOMICA. ISSN 1674-7275, 2019, vol. 49, no. 10, UNSP 102003., Registrované v: WOS*

ADCA115 ADAMCZYK, L. - AGAKISHIEV, G. - AGGARWAL, M.M. - AHAMMED, Z. - ALAKHVERDYANTS, A.V. - FILIP, Peter. Measurement of the $W^- e^- \nu$ and $Z/\gamma^* - e^+ e^-$ production cross sections at midrapidity in proton-proton collisions at $\sqrt{s} = 500$ GeV. In *Physical Review D*, 2012, vol. 85, no. 9, 92010. (2011: 4.558 - IF, Q1 - JCR, 2.795 - SJR, Q1 - SJR, karentované - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na:
<https://doi.org/10.1103/PhysRevD.85.092010>

Citácie:

1. [1.1] AABOUD, M. - AAD, G. - ABBOTT, B. - et al. *Measurement of $W^{+/-}$ boson and Z-boson production cross-sections in pp collisions at $\sqrt{s}=2.76$ TeV with the ATLAS detector. In EUROPEAN PHYSICAL JOURNAL C, 2019, vol. 79, no. 11, 901., Registrované v: WOS*

2. [1.1] ASCHENAUER, E. C. - FAZIO, S. - LEE, J. H. - MANTYSAARI, H. - PAGE, B. S. - SCHENKE, B. - ULLRICH, T. - VENUGOPALAN, R. - ZURITA, P. *The electron-ion collider: assessing the energy dependence of key measurements. In REPORTS ON PROGRESS IN PHYSICS. ISSN 0034-4885, 2019, vol. 82, no. 2, 024301., Registrované v: WOS*

3. [1.1] XU QING-HUA - LIANG ZUO-TANG. *Nucleon spin structure and measurements on sea quark polarization at RHIC. In SCIENTIA SINICA-PHYSICA MECHANICA & ASTRONOMICA. ISSN 1674-7275, 2019, vol. 49, no. 10, UNSP 102007., Registrované v: WOS*

ADCA116 ADAMCZYK, L. - ADKINS, J.K. - AGAKISHIEV, G. - AGGARWAL, M.M. - AHAMMED, Z. - FILIP, Peter. Measurement of interaction between antiprotons. In *Nature : International Weekly Journal of Science*, 2015, vol. 527, no. 7578, p. 345-348. (2014: 41.456 - IF, Q1 - JCR, 18.780 - SJR, Q1 - SJR, karentované - CCC). (2015 - Current Contents). ISSN 0028-0836. Dostupné na:
<https://doi.org/10.1038/nature15724>

Citácie:

1. [1.1] ACHARYA, S. - ADAMOVA, D. - ADHYA, S. P. - et al. *First Observation of an Attractive Interaction between a Proton and a Cascade Baryon. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 123, no. 11, 112002., Registrované v: WOS*

2. [1.1] ACHARYA, S. - ADAMOVA, D. - ADOLFSSON, J. - et al. *p-p, p-Lambda, and Lambda-Lambda correlations studied via femtoscopy in pp reactions at $\sqrt{s}=7$ TeV. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 2, 024001., Registrované v: WOS*

3. [1.1] CHEN JINHUI - MA YUGANG - ZHANG ZHENGQIAO - SAHA NEHA. *Recent progress on antimatter and exotic strange particles study at RHIC. In SCIENTIA SINICA-PHYSICA MECHANICA & ASTRONOMICA. ISSN 1674-7275, 2019, vol. 49, no. 10, UNSP 102002., Registrované v: WOS*

4. [1.1] WANG, Ting-Ting - MA, Yu-Gang - ZHANG, Zheng-Qiao. *Effects of P-tot gates and velocity gates on light-particle momentum correlation in intermediate-energy heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 5, 054626., Registrované v: WOS*

5. [1.1] ZBROSZCZYK, Hanna Paulina. *Geometry and Dynamics in Heavy-Ion*

Collisions Seen by the Femtoscopy Method. In PHOTONICS APPLICATIONS IN ASTRONOMY, COMMUNICATIONS, INDUSTRY, AND HIGH-ENERGY PHYSICS EXPERIMENTS 2019. ISSN 0277-786X, 2019, vol. 11176, 1117643., Registrované v: WOS

- ADCA117 ADAM, J. - ADAMCZYK, L. - ADAMS, J. R. - ADKINS, J. K. - AGAKISHIEV, G. - FILIP, Peter. Transverse spin transfer to Lambda and (Lambda)over-bar hyperons in polarized proton-proton collisions at root s=200 GeV. In Physical Review D, 2018, vol. 98, no. 9, 091103. (2017: 4.394 - IF, Q1 - JCR, 1.801 - SJR, Q1 - SJR, karentované - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.98.091103>

Citácie:

1. [1.1] XU QING-HUA - LIANG ZUO-TANG. Nucleon spin structure and measurements on sea quark polarization at RHIC. In SCIENTIA SINICA-PHYSICA MECHANICA & ASTRONOMICA. ISSN 1674-7275, 2019, vol. 49, no. 10, UNSP 102007., Registrované v: WOS

- ADCA118 ADAM, J. - ADAMCZYK, L. - ADAMS, J. R. - ADKINS, J. K. - AGAKISHIEV, G. - FILIP, Peter. Longitudinal double-spin asymmetries for pi(0)s in the forward direction for 510 GeV polarized pp collisions. In Physical Review D, 2018, vol. 98, no. 3, 032013. (2017: 4.394 - IF, Q1 - JCR, 1.801 - SJR, Q1 - SJR, karentované - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.98.032013>

Citácie:

1. [1.1] DE FLORIAN, Daniel - AGUSTIN LUCERO, Gonzalo - SASSOT, Rodolfo - STRATMANN, Marco - VOGELSANG, Werner. Monte Carlo sampling variant of the DSSV14 set of helicity parton densities. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 100, no. 11, 114027., Registrované v: WOS

2. [1.1] HUANG, H. - KEWISCH, J. - LIU, C. - MARUSIC, A. - MENG, W. - MEOT, F. - ODDO, P. - PTITSYN, V. - RANJBAR, V. - ROSER, T. - SCHMIDKE, W. B. Measurement of the Spin Tune Using the Coherent Spin Motion of Polarized Protons in a Storage Ring. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 122, no. 20, 204803., Registrované v: WOS

- ADCA119 ADAM, J. - ADAMCZYK, L. - ADAMS, J.R. - ADKINS, J.K. - AGAKISHIEV, G. - FILIP, Peter. Correlation measurements between flow harmonics in Au plus Au collisions at RHIC. In Physics Letters Section B : Nuclear, Elementary Particle and High-Energy Physics, 2018, vol. 783, p. 459-465. (2017: 4.254 - IF, Q1 - JCR, 2.336 - SJR, Q1 - SJR, karentované - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2018.05.076>

Citácie:

1. [1.1] BHALERAO, Rajeev S. - GIACALONE, Giuliano - OLLITRAULT, Jean-Yves. Primordial non-Gaussianity in heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 1, 014909., Registrované v: WOS

2. [1.1] SCHENKE, Bjorn - SHEN, Chun - TRIBEDY, Prithwish. Multiparticle and charge-dependent azimuthal correlations in heavy-ion collisions at the Relativistic Heavy-Ion Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 4, 044908., Registrované v: WOS

- ADCA120 ADAM, J. - ADAMCZYK, L. - ADAMS, J.R. - ADKINS, J.K. - AGAKISHIEV, G. - FILIP, Peter. Beam energy dependence of rapidity-even dipolar flow in Au plus Au collisions. In Physics Letters Section B : Nuclear, Elementary Particle and High-Energy Physics, 2018, vol. 748, p. 26-32. (2017: 4.254 - IF, Q1 - JCR, 2.336 - SJR, Q1 - SJR, karentované - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2018.07.013>

Citácie:

1. [1.1] YANG, Pei-Pin - WANG, Qi - LIU, Fu-Hu. *Mutual Derivation Between Arbitrary Distribution Forms of Momenta and Momentum Components*. In *INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS*. ISSN 0020-7748, 2019, vol. 58, no. 8, pp. 2603-2618., Registrované v: WOS
- ADCA121 ADAM, J. - ADAMCZYK, L. - ADAMS, J.R. - ADKINS, J.K. - AGAKISHIEV, G. - FILIP, Peter. *J/psi production cross section and its dependence on charged-particle multiplicity in p plus p collisions at root s=200 GeV*. In *Physics Letters Section B : Nuclear, Elementary Particle and High-Energy Physics*, 2018, vol. 786, p. 87-93. (2017: 4.254 - IF, Q1 - JCR, 2.336 - SJR, Q1 - SJR, karentované - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: [https://doi.org/10.1007/JHEP10\(2019\)084](https://doi.org/10.1007/JHEP10(2019)084)
Citácie:
1. [1.1] ACHARYA, S. - ADAMOVA, D. - ADLER, A. - et al. *Inclusive J/psi production at mid-rapidity in pp collisions at root s=5.02 TeV*. In *JOURNAL OF HIGH ENERGY PHYSICS*, 2019, no. 10, 084., Registrované v: WOS
- ADCA122 ADAM, J. - ADAMCZYK, L. - ADAMS, J.R. - ADKINS, J.K. - AGAKISHIEV, G. - FILIP, Peter. *Low-p(T) e(+)e(-) Pair Production in Au plus Au Collisions at root s(NN)=200 GeV and U plus U Collisions at root s(NN)=193 GeV at STAR*. In *Physical Review Letters*, 2018, vol. 98, no. 3, 032011. (2017: 8.839 - IF, Q1 - JCR, 3.622 - SJR, Q1 - SJR, karentované - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.121.132301>
Citácie:
1. [1.1] KLEIN, Spencer - MUELLER, A. H. - XIAO, Bo-Wen - YUAN, Feng. *Acoplanarity of a Lepton Pair to Probe the Electromagnetic Property of Quark Matter*. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2019, vol. 122, no. 13, 132301., Registrované v: WOS
2. [1.1] KLUSEK-GAWENDA, Mariola - RAPP, Ralf - SCHAFER, Wolfgang - SZCZUREK, Antoni. *Dilepton radiation in heavy-ion collisions at small transverse momentum*. In *PHYSICS LETTERS B*. ISSN 0370-2693, 2019, vol. 790, pp. 339-344., Registrované v: WOS
3. [1.1] LI, Cong - ZHOU, Jian - ZHOU, Ya-jin. *Probing the linear polarization of photons in ultraperipheral heavy ion collisions*. In *PHYSICS LETTERS B*. ISSN 0370-2693, 2019, vol. 795, pp. 576-580., Registrované v: WOS
4. [1.1] SZCZUREK, Antoni. *PHOTON-INDUCED PROCESSES IN SEMI-CENTRAL NUCLEUS-NUCLEUS COLLISIONS*. In *ACTA PHYSICA POLONICA B*. ISSN 0587-4254, 2019, vol. 50, no. 6, pp. 1263-1274., Registrované v: WOS
5. [1.1] WANG PENGFEI - ZHA WANGMEI - TANG ZEBO. *Recent progress of quarkonium measurements in heavy-ion collisions at RHIC energies from STAR*. In *SCIENTIA SINICA-PHYSICA MECHANICA & ASTRONOMICA*. ISSN 1674-7275, 2019, vol. 49, no. 10, UNSP 102004., Registrované v: WOS
6. [1.1] YE, Y. J. - MA, Y. G. - TANG, A. H. - WANG, G. *Effect of magnetic fields on pairs of oppositely charged particles in ultrarelativistic heavy-ion collisions*. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 99, no. 4, 044901., Registrované v: WOS
7. [1.1] ZHA, W. - RUAN, L. - TANG, Z. - XU, Z. - YANG, S. *Coherent photo-produced J/psi and dielectron yields in isobaric collisions*. In *PHYSICS LETTERS B*. ISSN 0370-2693, 2019, vol. 789, pp. 238-242., Registrované v: WOS
8. [1.1] ZHAO, Jie - WANG, Fuqiang. *Experimental searches for the chiral magnetic effect in heavy-ion collisions*. In *PROGRESS IN PARTICLE AND NUCLEAR PHYSICS*. ISSN 0146-6410, 2019, vol. 107, pp. 200-236., Registrované v: WOS

- ADCA123 ADAM, J. - ADAMCZYK, L. - ADAMS, J.R. - ADKINS, J.K. - AGAKISHIEV, G. - FILIP, Peter. Improved measurement of the longitudinal spin transfer to Lambda and (Lambda)over-bar hyperons in polarized proton-proton collisions at root s=200 GeV. In Physical Review D, 2018, vol. 98, no. 11, 112009. (2017: 4.394 - IF, Q1 - JCR, 1.801 - SJR, Q1 - SJR, karentované - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.98.112009>
- Citácie:
- [1.1] LIU, Xiaonan - MA, Bo-Qiang. Nucleon strangeness polarization from Lambda/(Lambda)over-bar hyperon production in polarized proton-proton collision at RHIC. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2019, vol. 79, no. 5, 409., Registrované v: WOS
 - [1.1] XU QING-HUA - LIANG ZUO-TANG. Nucleon spin structure and measurements on sea quark polarization at RHIC. In SCIENTIA SINICA-PHYSICA MECHANICA & ASTRONOMICA. ISSN 1674-7275, 2019, vol. 49, no. 10, UNSP 102007., Registrované v: WOS
- ADCA124 ADAMS, J. - AGGARWAL, M.M. - AHAMMED, Z. - AMONETT, J. - ANDERSON, B.D. - FILIP, Peter. Pion interferometry in Au+Au collisions at root s(NN)=200 GeV. In Physical review C, 2005, vol. 71, no. 4, 044906. (2004: 3.125 - IF, karentované - CCC). (2005 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.71.044906>
- Citácie:
- [1.1] ACHARYA, S. - ADAMOVA, D. - ADOLFSSON, J. - et al. p-p, p-Lambda, and Lambda-Lambda correlations studied via femtoscopy in pp reactions at root s=7 TeV. In PHYSICAL REVIEW C, 2019, vol. 99, no. 2, 024001., Registrované v: WOS
 - [1.1] ADZHYMAMBETOV, M. D. - SHAPOVAL, V. M. - SINYUKOV, Yu. M. Description of bulk observables in Au plus Au collisions at top RHIC energy in the integrated hydrokinetic model. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2019, vol. 987, pp. 321-336., Registrované v: WOS
 - [1.1] HORVATIC, Davor - KEKEZ, Dalibor - KLABUCAR, Dubravko. eta'; and eta mesons at high T when the U-A(1) and chiral symmetry breaking are tied. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 99, no. 1, 014007., Registrované v: WOS
 - [1.1] KASZA, Gabor - CSORGO, Tamas. Lifetime estimations from RHIC Au plus Au data. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2019, vol. 34, no. 26, 1950147., Registrované v: WOS
 - [1.1] SINYUKOV, Yu. M. - ADZHYMAMBETOV, M. D. - NABOKA, V. Yu. - SHAPOVAL, V. M. THE FEMTOSCOPY SCALES IN Au plus Au COLLISIONS AT THE TOP RHIC ENERGY. In ACTA PHYSICA POLONICA B PROCEEDINGS SUPPLEMENT. ISSN 1899-2358, 2019, vol. 12, no. 2, pp. 235-240., Registrované v: WOS
- ADCA125 ADAMS, J. - ADLER, C. - AGGARWAL, M.M. - AHAMMED, Z. - AMONETT, J. - FILIP, Peter. Net charge fluctuations in Au+Au collisions at root s (NN)=130 GeV. In Physical Review C. Nuclear physics, 2003, vol. 68, no. 4, 044905. (2002: 2.848 - IF, karentované - CCC). (2003 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevLett.89.082301>
- Citácie:
- [1.1] ALI, Bushra - KHAN, Shaista - AHMAD, Shakeel. Contributions of Jets in Net Charge Fluctuations from the Beam Energy Scan at RHIC and LHC. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2019, vol. 2019, 6034981., Registrované v: WOS

2. [1.1] KAUR, Amanjot - KUMAR, Sandeep - KAUR, Paramjit. Achieving colossal Kerr nonlinearity via multiphoton atomic coherence in a five-level Lambda- Xi system. In *PHYSICA SCRIPTA*. ISSN 0031-8949, 2019, vol. 94, no. 11, 115210., Registrované v: WOS
3. [1.1] MALI, Provash - GHOSH, Somnath - MUKHOPADHYAY, Amitabha. System size dependence of net-charge fluctuation in nucleus-nucleus collisions at FAIR energies. In *JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS*. ISSN 0954-3899, 2019, vol. 46, no. 12, 125107., Registrované v: WOS
4. [1.1] PRUNEAU, Claude A. Role of baryon number conservation in measurements of fluctuations. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 100, no. 3, 034905., Registrované v: WOS

ADCA126 ADAMS, J. - ADLER, C. - AGGARWAL, M.M. - AHAMMED, Z. - AMONETT, J. - FILIP, Peter. Measurements of transverse energy distributions in Au plus Au collisions at root $s(NN)=200$ GeV. In *Physical Review C*, 2004, vol. 70, no. 5, 054907. (2003: 2.708 - IF, karentované - CCC). (2004 - Current Contents, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.70.054907>

Citácie:

1. [1.1] KURKELA, Aleksi - WIEDEMANN, Urs Achim - WU, Bin. Flow in AA and pA as an interplay of fluid-like and non-fluid like excitations. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2019, vol. 79, no. 11, 965., Registrované v: WOS
2. [1.1] SIRUNYAN, A. M. - TUMASYAN, A. - ADAM, W. - et al. Centrality and pseudorapidity dependence of the transverse energy density in pPb collisions at root $s(NN)=5.02$ TeV. In *PHYSICAL REVIEW C*, 2019, vol. 100, no. 2, 024902., Registrované v: WOS
3. [1.1] SOYEZ, Gregory. Pileup mitigation at the LHC: A theorist's view. In *PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS*. ISSN 0370-1573, 2019, vol. 803, pp. 1-158., Registrované v: WOS

ADCA127 ADAMS, J. - ADLER, C. - AGGARWAL, M.M. - AHAMMED, Z. - AMONETT, J. - FILIP, Peter. Rapidity and centrality dependence of proton and antiproton production from Au-197+Au-197 collisions at root $S_{NN}=130$ GeV. In *Physical Review C*, 2004, vol. 70, no. 4, 041901. (2003: 2.708 - IF, karentované - CCC). (2004 - Current Contents, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.70.041901>

Citácie:

1. [1.1] ASCHENAUER, E. C. - FAZIO, S. - LEE, J. H. - MANTYSAARI, H. - PAGE, B. S. - SCHENKE, B. - ULLRICH, T. - VENUGOPALAN, R. - ZURITA, P. The electron-ion collider: assessing the energy dependence of key measurements. In *REPORTS ON PROGRESS IN PHYSICS*. ISSN 0034-4885, 2019, vol. 82, no. 2, 024301., Registrované v: WOS

ADCA128 ADAMS, J. - ADLER, C. - AGGARWAL, M.M. - AHAMMED, Z. - AMONETT, J. - FILIP, Peter. Production of $e^{+}e^{-}$ pairs accompanied by nuclear dissociation in ultraperipheral heavy-ion collisions. In *Physical Review C*, 2004, vol. 70, no. 3, 031902. (2003: 2.708 - IF, karentované - CCC). (2004 - Current Contents, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.70.031902>

Citácie:

1. [1.1] AZEVEDO, C. - GONCALVES, V. P. - MOREIRA, B. D. Exclusive dilepton production in ultraperipheral PbPb collisions at the LHC. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2019, vol. 79, no. 5, 432., Registrované v: WOS

2. [1.1] KLEIN, Spencer - MUELLER, A. H. - XIAO, Bo-Wen - YUAN, Feng. *Acoplanarity of a Lepton Pair to Probe the Electromagnetic Property of Quark Matter*. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2019, vol. 122, no. 13, 132301., Registrované v: WOS
3. [1.1] LANSBERG, J. P. - MASSACRIER, L. - SZYMANOWSKI, L. - WAGNER, J. *Single-transverse-spin asymmetries in exclusive photo-production of J/ψ in ultra-peripheral collisions in the fixed-target mode at the LHC and in the collider mode at RHIC*. In *PHYSICS LETTERS B*. ISSN 0370-2693, 2019, vol. 793, pp. 33-40., Registrované v: WOS
4. [1.1] LI, Cong - ZHOU, Jian - ZHOU, Ya-jin. *Probing the linear polarization of photons in ultraperipheral heavy ion collisions*. In *PHYSICS LETTERS B*. ISSN 0370-2693, 2019, vol. 795, pp. 576-580., Registrované v: WOS
5. [1.1] SURANYI, Oliver. *γ Study of Very Forward Neutrons with the CMS Zero Degree Calorimeter*. In *UNIVERSE*, 2019, vol. 5, no. 10, 210., Registrované v: WOS
6. [1.1] ZHA, W. - RUAN, L. - TANG, Z. - XU, Z. - YANG, S. *Coherent photo-produced J/ψ and dielectron yields in isobaric collisions*. In *PHYSICS LETTERS B*. ISSN 0370-2693, 2019, vol. 789, pp. 238-242., Registrované v: WOS

ADCA129 ADAMS, J. - ADLER, C. - AGGARWAL, M.M. - AMMONED, Z. - FILIP, Peter. Incident energy dependence of $p(t)$ correlations at relativistic energies. In *Physical review C*, 2005, vol. 72, no. 4, 044902. (2004: 3.125 - IF, karentované - CCC). (2005 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.72.044902>

Citácie:

1. [1.1] GARDIM, Fernando G. - GRASSI, Frederique - ISHIDA, Pedro - LUZUM, Matthew - OLLITRAULT, Jean-Yves. *$p(T)$ -dependent particle number fluctuations from principal-component analyses in hydrodynamic simulations of heavy-ion collisions*. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 100, no. 5, 054905., Registrované v: WOS
2. [1.1] GONZALEZ, Victor - MARIN, Ana - LADRON DE GUEVARA, Pedro - PAN, Jinjin - BASU, Sumit - PRUNEAU, Claude A. *Effect of centrality bin width corrections on two-particle number and transverse momentum differential correlation functions*. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 99, no. 3, 034907., Registrované v: WOS
3. [1.1] SAHOO, Baidyanath - NANDI, Basanta Kumar - PUJAHARI, Prabhat - BASU, Sumit - PRUNEAU, Claude. *Simulation studies of $R_{-2}(\Delta\eta, \Delta\phi)$ and $P_{-2}(\Delta\eta, \Delta\phi)$ correlation functions in pp collisions with the PYTHIA and HERWIG models*. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 100, no. 2, 024909., Registrované v: WOS

ADCA130 ADAMS, J. - ADLER, C. - AGGARWAL, M.M. - AHAMMED, Z. - AMONETT, J. - FILIP, Peter. Pion, kaon, proton and anti-proton transverse momentum distributions from $p+p$ and $d+Au$ collisions at $\sqrt{s_{NN}}=200$ GeV. In *Physics Letters B*, 2005, vol. 616, no. 1-2, p. 8-16. (2004: 4.619 - IF, karentované - CCC). (2005 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2005.04.041>

Citácie:

1. [1.1] ZHANG, Chao - ZHENG, Liang - LIU, Feng - SHI, Shusu - LIN, Zi-Wei. *Update of a multiphase transport model with modern parton distribution functions and nuclear shadowing*. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 99, no. 6, 064906., Registrované v: WOS

ADCA131 ADAMS, J. - AGGARWAL, M.M. - AHAMMED, Z. - AMONETT, J. - ANDERSON, B.D. - FILIP, Peter. Particle-type dependence of azimuthal anisotropy

and nuclear modification of particle production in Au plus Au collisions at root $s(NN)=200$ GeV. In *Physical Review Letters*, 2004, vol. 92, no. 5, 052302. (2003: 7.035 - IF, karentované - CCC). (2004 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.92.052302>

Citácie:

1. [1.1] BARTALINI, P. - GAUNT, J. R. *MULTIPLE PARTON INTERACTIONS AT THE LHC Introduction*. In *MULTIPLE PARTON INTERACTIONS AT THE LHC*. ISSN 0218-0324, 2019, vol. 29, pp. 1-+., Registrované v: WOS
2. [1.1] KUNDU, Sourav - MALLICK, Dukhishyam - MOHANTY, Bedangadas. *Study of charged particle multiplicity, average transverse momentum and azimuthal anisotropy in Xe plus Xe collisions at root $s(NN)=5.44$ TeV using AMPT model*. In *EUROPEAN PHYSICAL JOURNAL A*. ISSN 1434-6001, 2019, vol. 55, no. 9, 157., Registrované v: WOS
3. [1.1] SIRUNYAN, A. M. - TUMASYAN, A. - ADAM, W. - et al. *Observation of prompt J/ψ meson elliptic flow in high-multiplicity pPb collisions at root $s(NN)=8.16$ TeV*. In *PHYSICS LETTERS B*, 2019, vol. 791, pp. 172-194., Registrované v: WOS
4. [1.1] SOYEZ, Gregory. *Pileup mitigation at the LHC: A theorist's view*. In *PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS*. ISSN 0370-1573, 2019, vol. 803, pp. 1-158., Registrované v: WOS
5. [1.1] SRIVASTAVA, P. K. - SINGH, Arpit - CHATURVEDI, O. S. K. - RAINA, P. K. - SINGH, B. K. *Transverse momentum distribution of charged hadrons based on wounded quark model*. In *EUROPEAN PHYSICAL JOURNAL A*. ISSN 1434-6001, 2019, vol. 55, no. 5, 69., Registrované v: WOS

ADCA132 ADAMS, J. - ADLER, C. - AGGARWAL, M.M. - AHAMMED, Z. - AMONETT, J. - FILIP, Peter. *Evidence from d+Au measurements for final-state suppression of high-p(T) hadrons in Au plus Au collisions at RHIC*. In *Physical Review Letters*, 2003, vol. 91, no. 7, 072304. (2002: 7.323 - IF, karentované - CCC). (2003 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.91.072304>

Citácie:

1. [1.1] ACHARYA, S. - ACOSTA, F. T. - ADAMOVA, D. - et al. *Analysis of the apparent nuclear modification in peripheral Pb-Pb collisions at 5.02 TeV*. In *PHYSICS LETTERS B*, 2019, vol. 793, pp. 420-432., Registrované v: WOS
2. [1.1] ACHARYA, S. - ADAMOVA, D. - ADHYA, S. P. - et al. *Measurement of jet radial profiles in Pb-Pb collisions at root $s(NN)=2.76$ TeV*. In *PHYSICS LETTERS B*, 2019, vol. 796, pp. 204-219., Registrované v: WOS
3. [1.1] ACHARYA, S. - ADAMOVA, D. - ADOLFSSON, J. - et al. *Two-particle differential transverse momentum and number density correlations in p-Pb collisions at 5.02 TeV and Pb-Pb collisions at 2.76 TeV at the CERN Large Hadron Collider*. In *PHYSICAL REVIEW C*, 2019, vol. 100, no. 4, 044903., Registrované v: WOS
4. [1.1] ADARE, A. - AFANASIEV, S. - AIDALA, C. - et al. *Measurement of two-particle correlations with respect to second- and third-order event planes in Au plus Au collisions at root $s(NN)=200$ GeV*. In *PHYSICAL REVIEW C*, 2019, vol. 99, no. 5, 054903., Registrované v: WOS
5. [1.1] DAI WEI - XING HONGXI - ZHANG BEN-WEI - WANG ENKE - WANG XIN-NIAN. *Multiple scattering and parton energy loss in nuclei*. In *SCIENTIA SINICA-PHYSICA MECHANICA & ASTRONOMICA*. ISSN 1674-7275, 2019, vol. 49, no. 10, UNSP 102005., Registrované v: WOS
6. [1.1] FRAJNA, Eszter - VERESI, Robert. *Correlation of Heavy and Light Flavors in Simulations*. In *UNIVERSE*. ISSN 2218-1997, 2019, vol. 5, no. 5, 118.,

Registrované v: WOS

7. [1.1] HOSOKAWA, Ritsuya - ACHARYA, S. - ACOSTA, F. T. - et al. Exploring jet profiles in Pb-Pb collisions at 5.02 TeV with the ALICE detector. In NUCLEAR PHYSICS A, 2019, vol. 982, pp. 639-642., Registrované v: WOS

8. [1.1] QIU, Jian-Wei - RINGER, Felix - SATO, Nobuo - ZURITA, Pia. Factorization of Jet Cross Sections in Heavy-Ion Collisions. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 122, no. 25, 252301., Registrované v: WOS

9. [1.1] WANG, T. T. - MA, Y. G. Nucleon-number scalings of anisotropic flows and nuclear modification factor for light nuclei in the squeeze-out region. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2019, vol. 55, no. 6, 102., Registrované v: WOS

10. [1.1] ZHANG YIFEI - XIE GUANNAN - ZHANG SHENGHUI - DONG XIN. Heavy flavor hadron measurement at RHIC. In SCIENTIA SINICA-PHYSICA MECHANICA & ASTRONOMICA. ISSN 1674-7275, 2019, vol. 49, no. 10, UNSP 102003., Registrované v: WOS

ADCA133 ADAMS, J. - ADLER, C. - AGGARWAL, M.M. - AHAMMED, Z. - AMONETT, J. - FILIP, Peter. Transverse-momentum and collision-energy dependence of high-p(T) hadron suppression in An+An collisions at ultrarelativistic energies. In Physical Review Letters, 2003, vol. 91, no. 17, 172302. (2002: 7.323 - IF, karentované - CCC). (2003 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.91.172302>

Citácie:

1. [1.1] AAD, G. - ABBOTT, B. - ABBOTT, D. C. - et al. Measurement of $W^{+/-}$ boson production in Pb plus Pb collisions at $\sqrt{s(NN)}=5.02$ TeV with the ATLAS detector. In EUROPEAN PHYSICAL JOURNAL C, 2019, vol. 79, no. 11, 935., Registrované v: WOS

2. [1.1] ACHARYA, S. - ACOSTA, F. T. - ADAMOVA, D. - et al. Analysis of the apparent nuclear modification in peripheral Pb-Pb collisions at 5.02 TeV. In PHYSICS LETTERS B, 2019, vol. 793, pp. 420-432., Registrované v: WOS

3. [1.1] ACHARYA, S. - ADAMOVA, D. - ADHYA, S. P. - et al. Measurement of jet radial profiles in Pb-Pb collisions at $\sqrt{s(NN)}=2.76$ TeV. In PHYSICS LETTERS B, 2019, vol. 796, pp. 204-219., Registrované v: WOS

4. [1.1] ACHARYA, S. - ADAMOVA, D. - ADOLFSSON, J. - et al. Two-particle differential transverse momentum and number density correlations in p-Pb collisions at 5.02 TeV and Pb-Pb collisions at 2.76 TeV at the CERN Large Hadron Collider. In PHYSICAL REVIEW C, 2019, vol. 100, no. 4, 044903., Registrované v: WOS

5. [1.1] ASCHENAUER, E. C. - FAZIO, S. - LEE, J. H. - MANTYSAARI, H. - PAGE, B. S. - SCHENKE, B. - ULLRICH, T. - VENUGOPALAN, R. - ZURITA, P. The electron-ion collider: assessing the energy dependence of key measurements. In REPORTS ON PROGRESS IN PHYSICS. ISSN 0034-4885, 2019, vol. 82, no. 2, 024301., Registrované v: WOS

6. [1.1] CAO, Shanshan - COCI, Gabriele - DAS, Santosh Kumar - KE, Weiyao - LIU, Shuai Y. F. - PLUMARI, Salvatore - SONG, Taesoo - XU, Yingru - AICHELIN, Jorg - BASS, Steffen - BRATKOVSKAYA, Elena - DONG, Xin - GOSSIAUX, Pol Bernard - GRECO, Vincenzo - HE, Min - NAHRGANE, Marlene - RAPP, Ralf - SCARDINA, Francesco - WANG, Xin-Nian. Toward the determination of heavy-quark transport coefficients in quark-gluon plasma. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 5, 054907., Registrované v: WOS

7. [1.1] KURKELA, Aleksy - WIEDEMANN, Urs Achim - WU, Bin. Flow in AA

and pA as an interplay of fluid-like and non-fluid like excitations. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2019, vol. 79, no. 11, 965., Registrované v: WOS

8. [1.1] RAY, R. L. - JENTSCH, A. Phenomenological models of two-particle correlation distributions on transverse momentum in relativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 2, 024911., Registrované v: WOS

9. [1.1] SRIVASTAVA, P. K. - SINGH, Arpit - CHATURVEDI, O. S. K. - RAINA, P. K. - SINGH, B. K. Transverse momentum distribution of charged hadrons based on wounded quark model. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2019, vol. 55, no. 5., Registrované v: WOS

- ADCA134 ADAMS, J. - AGGARWAL, M.M. - AHAMMED, Z. - AMONETT, J. - ANDERSON, B.D. - FILIP, Peter. Azimuthally sensitive hanbury brown-twiss interferometry in Au+Au collisions at root s(NN)= 200 GeV. In Physical Review Letters, 2004, vol. 93, no. 1, 012301. (2003: 7.035 - IF, karentované - CCC). (2004 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.93.012301>

Citácie:

1. [1.1] WANG, Ting-Ting - MA, Yu-Gang - ZHANG, Zheng-Qiao. Effects of P-tot gates and velocity gates on light-particle momentum correlation in intermediate-energy heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 5, 054626., Registrované v: WOS

- ADCA135 ADAMS, J. - AGGARWAL, M.M. - AHAMMED, Z. - AMONETT, J. - ANDERSON, B.D. - FILIP, Peter. Multistrange baryon production in Au-Au collisions at s(NN)=130-GeV. In Physical Review Letters, 2004, vol. 92, no. 18, 182301. (2003: 7.035 - IF, karentované - CCC). (2004 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.92.182301>

Citácie:

1. [1.1] YU, Ning - LUO, Xiaofeng. Particle decay from statistical thermal model in high-energy nucleus-nucleus collisions. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2019, vol. 55, no. 2, 26., Registrované v: WOS

2. [1.1] ZHAO, Jie - LI, Hanlin - WANG, Fuqiang. Isolating the chiral magnetic effect from backgrounds by pair invariant mass. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2019, vol. 79, no. 2, 168., Registrované v: WOS

- ADCA136 ADAMS, J. - AGGARWAL, M.M. - AHAMMED, Z. - AMONETT, J. - ANDERSON, B.D. - FILIP, Peter. Identified particle distribution in pp and Au+Au collisions at root s(NN)=200 GeV. In Physical Review Letters, 2004, vol. 92, no. 11, 112301. (2003: 7.035 - IF, karentované - CCC). (2004 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.92.112301>

Citácie:

1. [1.1] ADZHYMAMBETOV, M. D. - SHAPOVAL, V. M. - SINYUKOV, Yu. M. Description of bulk observables in Au plus Au collisions at top RHIC energy in the integrated hydrokinetic model. In NUCLEAR PHYSICS A, 2019, vol. 987, pp. 321-336., Registrované v: WOS

2. [1.1] KADAM, Guruprasad - PAWAR, Swapnali - MISHARA, Hiranmaya. Estimating transport coefficients of interacting pion gas with K-matrix cross sections. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS, 2019, vol. 46, no. 1, 015102., Registrované v: WOS

3. [1.1] LAO, Hai-Ling - GAO, Ya-Qin - LIU, Fu-Hu. Energy Dependent Chemical Potentials of Light Particles and Quarks from Yield Ratios of

Antiparticles to Particles in High Energy Collisions. In UNIVERSE, 2019, vol. 5, no. 6, 152., Registrované v: WOS

- ADCA137 ADAMS, J. - AGGARWAL, M.M. - AHAMMED, Z. - AMONETT, J. - ANDERSON, B.D. - FILIP, Peter. Cross sections and transverse single-spin asymmetries in forward neutral-pion production from proton collisions at root s=200 GeV. In Physical Review Letters, 2004, vol. 92, no. 17, 171801. (2003: 7.035 - IF, karentované - CCC). (2004 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.92.171801>

Citácie:

1. [1.1] AIDALA, C. - AKIBA, Y. - ALFRED, M. - et al. Nuclear Dependence of the Transverse Single-Spin Asymmetry in the Production of Charged Hadrons at Forward Rapidity in Polarized p plus p, p plus Al, and p plus Au Collisions at root s(NN)=200 GeV. In PHYSICAL REVIEW LETTERS, 2019, vol. 123, no. 12, 122001., Registrované v: WOS
2. [1.1] XING, Hongxi - YOSHIDA, Shinsuke. Introduction to the Transverse-Momentum-Weighted Technique in the Twist-3 Collinear Factorization Approach. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2019, vol. 2019, 4825790., Registrované v: WOS

- ADCA138 ADAMS, J. - ADLER, C. - AGGARWAL, M.M. - AHAMMED, Z. - AMONETT, J. - FILIP, Peter. Multistrange baryon elliptic flow in Au plus Au collisions at root(NN)-N-S=200 GeV. In Physical Review Letters, 2005, vol. 95, no. 12, 122301. (2004: 7.218 - IF, karentované - CCC). (2005 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.95.122301>

Citácie:

1. [1.1] GILANI, A. R. - WAZIR, Z. - SULEYMANOV, M. K. - KANWAL, S. - ASLAM, S. M. - ZAMAN, Ali. Analysis of transverse momentum distributions of charged particles produced in CC interactions at 4.2 A GeV/c. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2019, vol. 34, no. 23, 1950187., Registrované v: WOS
2. [1.1] KORNAKOV, Georgy - GALATYUK, Tetyana. An iterative method to estimate the combinatorial background. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2019, vol. 55, no. 11, 204., Registrované v: WOS
3. [1.1] LIU, He - WANG, Feng-Tao - SUN, Kai-Jia - XU, Jun - KO, Che Ming. Isospin splitting of pion elliptic flow in relativistic heavy-ion collisions. In PHYSICS LETTERS B. ISSN 0370-2693, 2019, vol. 798, 135002., Registrované v: WOS
4. [1.1] SULEYMANOV, Mais. THE COLLECTIVE BEHAVIOR OF THE PARTONS AND ITS INFLUENCE ON THE JET SUPPRESSION IN HEAVY ION COLLISIONS. In MODERN TRENDS IN PHYSICS. ISSN 2522-4352, 2019, pp. 270-274., Registrované v: WOS
5. [1.1] WANG, Feng-Tao - XU, Jun. Hadronization using the Wigner function approach for a multiphase transport model. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 6, 064909., Registrované v: WOS
6. [1.1] WAZIR, Z. - GILANI, A. R. - SULEYMANOV, M. K. - AJAZ, M. - ASLAM, S. M. - KHATTAK, S. A. - KHAN, A. Transverse Momentum Distributions of Charged Hadrons Produced in (HeC)-C-12 Collisions at 4.2A GeV/c. In PHYSICS OF PARTICLES AND NUCLEI LETTERS. ISSN 1547-4771, 2019, vol. 16, no. 6, pp. 662-666., Registrované v: WOS
7. [1.1] XIA, Xiao-Liang - LI, Hui - HUANG, Xu-Guang - HUANG, Huan Zhong. Feed-down effect on Lambda spin polarization. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 1, 014913., Registrované v: WOS

- ADCA139 ADAMS, J. - ADLER, C. - AGGARWAL, M.M. - AHAMMED, Z. - AMONETT, J.

- FILIP, Peter. Distributions of charged hadrons associated with high transverse momentum particles in pp and Au plus Au collisions at $\sqrt{s(NN)}=200$ GeV. In Physical Review Letters, 2005, vol. 95, no. 15, 152301. (2004: 7.218 - IF, karentované - CCC). (2005 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.95.152301>

Citácie:

1. [1.1] ACHARYA, S. - ADAMOVA, D. - ADOLFSSON, J. - et al. Two-particle differential transverse momentum and number density correlations in p-Pb collisions at 5.02 TeV and Pb-Pb collisions at 2.76 TeV at the CERN Large Hadron Collider. In PHYSICAL REVIEW C, 2019, vol. 100, no. 4, 044903., Registrované v: WOS
2. [1.1] ADARE, A. - AFANASIEV, S. - AIDALA, C. - et al. Measurement of two-particle correlations with respect to second- and third-order event planes in Au plus Au collisions at $\sqrt{s(NN)}=200$ GeV. In PHYSICAL REVIEW C, 2019, vol. 99, no. 5, 054903., Registrované v: WOS
3. [1.1] BARTALINI, P. - GAUNT, J. R. MULTIPLE PARTON INTERACTIONS AT THE LHC Introduction. In MULTIPLE PARTON INTERACTIONS AT THE LHC. ISSN 0218-0324, 2019, vol. 29, pp. 1-+., Registrované v: WOS
4. [1.1] LI, G. L. - YANG, C. B. Azimuthal correlations of particles in a non-central rapidity region in high energy heavy ion collisions. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2019, vol. 46, no. 3, 035006., Registrované v: WOS
5. [1.1] RAY, R. L. - JENTSCH, A. Phenomenological models of two-particle correlation distributions on transverse momentum in relativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 2, 024911., Registrované v: WOS
6. [1.1] SIRUNYAN, A. M. - TUMASYAN, A. - ADAM, W. - et al. Observation of prompt J/psi meson elliptic flow in high-multiplicity pPb collisions at $\sqrt{s(NN)}=8.16$ TeV. In PHYSICS LETTERS B, 2019, vol. 791, pp. 172-194., Registrované v: WOS
7. [1.1] TRAINOR, Thomas A. Comparing the PYTHIA Monte Carlo to a two-component (soft plus hard) model of hadron production in high-energy p-p collisions. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E. ISSN 0218-3013, 2019, vol. 28, no. 4, 1950023., Registrované v: WOS
8. [1.1] WEN, Dan - CASTILHO, Wagner Maciel - LIN, Kai - QIAN, Wei-Liang - HAMA, Yojiro - KODAMA, Takeshi. On the peripheral tube description of the two-particle correlations in nuclear collisions. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2019, vol. 46, no. 3, 035103., Registrované v: WOS
9. [1.1] YI, Li. Study of Small Colliding Systems. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2019, vol. 982, pp. 85-91., Registrované v: WOS
10. [1.1] ZHAO, Jie - WANG, Fuqiang. Experimental searches for the chiral magnetic effect in heavy-ion collisions. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2019, vol. 107, pp. 200-236., Registrované v: WOS

ADCA140 ADAMS, J. - ADLER, C. - AGGARWAL, M.M. - AHAMMED, Z. - AMONETT, J. - FILIP, Peter. Multiplicity and pseudorapidity distributions of photons in Au+Au collisions at $\sqrt{s(NN)}=62.4$ GeV. In Physical Review Letters, 2005, vol. 95, no. 6, 062301. (2004: 7.218 - IF, karentované - CCC). (2005 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.95.062301>

Citácie:

1. [1.1] SAHOO, Pragati - PAREEK, Pooja - TIWARI, Swatantra Kumar - SAHOO, Raghunath. Limiting fragmentation in high-energy nuclear collisions at the CERN Large Hadron Collider. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 99, no. 4, 044906., Registrované v: WOS

ADAMS, J. - AGGARWAL, M.M. - AHAMMED, Z. - AMONETT, J. - ANDERSON, B.D. - FILIP, Peter. $\rho(0)$ production and possible modification in Au+Au and p+p collisions at $\sqrt{s(NN)}=200$ GeV. In *Physical Review Letters*, 2004, vol. 92, no. 9, 092301. (2003: 7.035 - IF, karentované - CCC). (2004 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.92.092301>

Citácie:

1. [1.1] ACHARYA, S. - ACOSTA, F. T. - ADAMOVA, D. - et al. Production of the $\rho(770)(0)$ meson in pp and Pb-Pb collisions at $\sqrt{s(NN)}=2.76$ TeV. In *PHYSICAL REVIEW C*, 2019, vol. 99, no. 6, UNSP 064901., Registrované v: WOS
2. [1.1] ACHARYA, S. - ADAMOVA, D. - ADOLFSSON, J. - et al. Two-particle differential transverse momentum and number density correlations in p-Pb collisions at 5.02 TeV and Pb-Pb collisions at 2.76 TeV at the CERN Large Hadron Collider. In *PHYSICAL REVIEW C*, 2019, vol. 100, no. 4, 044903., Registrované v: WOS
3. [1.1] BHATTACHARYA, Sumana - BISWAS, Deeptak - GHOSH, Sanjay K. - RAY, Rajarshi - SINGHA, Pracheta. Novel scheme for parametrizing the chemical freeze-out surface in heavy ion collision experiments. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2019, vol. 100, no. 5, 054037., Registrované v: WOS
4. [1.1] CAI, Yiming - COHEN, Thomas D. - GELMAN, Boris A. - YAMAUCHI, Yukari. Yields of weakly bound light nuclei as a probe of the statistical hadronization model. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 100, no. 2, 024911., Registrované v: WOS
5. [1.1] KORNAKOV, Georgy - GALATYUK, Tetyana. An iterative method to estimate the combinatorial background. In *EUROPEAN PHYSICAL JOURNAL A*. ISSN 1434-6001, 2019, vol. 55, no. 11, 204., Registrované v: WOS
6. [1.1] LIPAVSKY, P. - LIN, Pei-Jen. Local conservation laws in ultracold Fermi systems with time-dependent interaction potential. In *PHYSICAL REVIEW E*. ISSN 2470-0045, 2019, vol. 99, no. 5, 052108., Registrované v: WOS
7. [1.1] LIU, He - WANG, Feng-Tao - SUN, Kai-Jia - XU, Jun - KO, Che Ming. Isospin splitting of pion elliptic flow in relativistic heavy-ion collisions. In *PHYSICS LETTERS B*. ISSN 0370-2693, 2019, vol. 798, 135002., Registrované v: WOS
8. [1.1] LUO, Xuan - SUN, Hao - LI, Jing - XIE, Yi-Ling - TICHOUK. Double spin asymmetry in dihadron production in SIDIS off a longitudinally polarized nucleon target. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2019, vol. 100, no. 9, 094036., Registrované v: WOS
9. [1.1] NAYAK, Kishora - SHI, Shusu - XU, Nu - LIN, Zi-Wei. Energy dependence study of directed flow in Au plus Au collisions using an improved coalescence in a multiphase transport model. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 100, no. 5, 054903., Registrované v: WOS
10. [1.1] NIEMI, H. - ESKOLA, K. J. - PAATELAINEN, R. - TUOMINEN, K. Latest predictions from the EbyE NLO EKRT model. In *NUCLEAR PHYSICS A*. ISSN 0375-9474, 2019, vol. 982, pp. 443-446., Registrované v: WOS
11. [1.1] RATH, Rutuparna - TRIPATHY, Sushanta - SAHOO, Raghunath - DE, Sudipan - YOUNUS, Mohammed. Identified-particle production in Xe plus Xe collisions at $\sqrt{s(NN)}=5.44$ TeV using a multiphase transport model. In

PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 6, 064903.,

Registrované v: WOS

12. [1.1] SPIELES, Christian - BLEICHER, Marcus. Secondary Drell-Yan dileptons in heavy-ion reactions. In *INTERNATIONAL JOURNAL OF MODERN PHYSICS E. ISSN 0218-3013, 2019, vol. 28, no. 6, 1950047., Registrované v: WOS*

13. [1.1] WANG, Feng-Tao - XU, Jun. Hadronization using the Wigner function approach for a multiphase transport model. In *PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 6, 064909., Registrované v: WOS*

14. [1.1] XIA, Xiao-Liang - LI, Hui - HUANG, Xu-Guang - HUANG, Huan Zhong. Feed-down effect on Lambda spin polarization. In *PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 1, 014913., Registrované v: WOS*

15. [1.1] XING, Hongxi - YOSHIDA, Shinsuke. New approach to the Sivvers effect in the collinear twist-3 formalism. In *PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 100, no. 5, 054024., Registrované v: WOS*

16. [1.1] XU, Zhenyu - LIU, Jianli - ZHANG, Panpan - WEI, Donghai - ZHANG, Jingbo - HUO, Lei. Elliptic flow of hadrons in Au plus Au collisions at root S-NN=7.7, 19.6 and 39 GeV from a multi-phase transport model based on a dynamical quark coalescence mechanism. In *JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2019, vol. 46, no. 7, 075102., Registrované v: WOS*

17. [1.1] YANG, Wei - WANG, Xiaoyu - YANG, Yongliang - LU, Zhun. Single-spin asymmetry in dihadron production in SIDIS off longitudinally polarized nucleon targets. In *PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 99, no. 5, 054003., Registrované v: WOS*

18. [1.1] YASSIN, Hayam - ELYAZEED, Eman R. Abo. TRANSVERSE MOMENTUM $p(T)$ SPECTRA OF STRANGE PARTICLES PRODUCTION IN DIFFERENT COLLISIONS AT root s(NN)=2.76, 5.02 AND 7 TeV. In *ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2019, vol. 50, no. 1, pp. 37-54., Registrované v: WOS*

19. [1.1] YE, Y. J. - MA, Y. G. - TANG, A. H. - WANG, G. Effect of magnetic fields on pairs of oppositely charged particles in ultrarelativistic heavy-ion collisions. In *PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 4, 044901., Registrované v: WOS*

20. [1.1] ZHAO, Jie - WANG, Fuqiang. Experimental searches for the chiral magnetic effect in heavy-ion collisions. In *PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2019, vol. 107, pp. 200-236., Registrované v: WOS*

21. [1.1] ZHOU, You. Collective Effects in Nuclear Collisions: Experimental Overview. In *NUCLEAR PHYSICS A. ISSN 0375-9474, 2019, vol. 982, pp. 71-77., Registrované v: WOS*

ADCA142 ADAMS, J. - ADLER, C. - AGGARWAL, M.M. - AHAMMED, Z. - AMONETT, J. - FILIP, Peter. Azimuthal anisotropy in Au plus Au collisions at root S-NN=200 GeV. In *Physical Review C, 2005, vol. 72, no. 1, 014904. (2004: 3.125 - IF, karentované - CCC). (2005 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.72.014904>*

Citácie:

1. [1.1] ACHARYA, S. - ADAMOVA, D. - ADOLFSSON, J. - et al. Two-particle differential transverse momentum and number density correlations in p-Pb collisions at 5.02 TeV and Pb-Pb collisions at 2.76 TeV at the CERN Large Hadron Collider. In *PHYSICAL REVIEW C, 2019, vol. 100, no. 4, 044903., Registrované v: WOS*

2. [1.1] ADARE, A. - AFANASIEV, S. - AIDALA, C. - et al. Measurement of two-particle correlations with respect to second- and third-order event planes in Au plus Au collisions at root $s(NN)=200$ GeV. In *PHYSICAL REVIEW C*, 2019, vol. 99, no. 5, 054903., Registrované v: WOS
3. [1.1] ADARE, A. - AIDALA, C. - AJITANAND, N. N. - et al. Multiparticle azimuthal correlations for extracting event-by-event elliptic and triangular flow in Au plus Au collisions at root $S\text{-}NN=200$ GeV. In *PHYSICAL REVIEW C*, 2019, vol. 99, no. 2, 024903., Registrované v: WOS
4. [1.1] ADZHYMAMBETOV, M. D. - SHAPOVAL, V. M. - SINYUKOV, Yu. M. Description of bulk observables in Au plus Au collisions at top RHIC energy in the integrated hydrokinetic model. In *NUCLEAR PHYSICS A*. ISSN 0375-9474, 2019, vol. 987, pp. 321-336., Registrované v: WOS
5. [1.1] BHALERAO, Rajeev S. - GIACALONE, Giuliano - GUERRERO-RODRIGUEZ, Pablo - LUZUM, Matthew - MARQUET, Cyrille - OLLITRAULT, Jean-Yves. RELATING ECCENTRICITY FLUCTUATIONS TO DENSITY FLUCTUATIONS IN HEAVY-ION COLLISIONS. In *ACTA PHYSICA POLONICA B*. ISSN 0587-4254, 2019, vol. 50, no. 6, pp. 1165-1176., Registrované v: WOS
6. [1.1] GIACALONE, Giuliano - GUERRERO-RODRIGUEZ, Pablo - LUZUM, Matthew - MARQUET, Cyrille - OLLITRAULT, Jean-Yves. Fluctuations in heavy-ion collisions generated by QCD interactions in the color glass condensate effective theory. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 100, no. 2, 024905., Registrované v: WOS
7. [1.1] HAQUE, Md Rihan - NASIM, Md - MOHANTY, Bedangadas. Systematic investigation of azimuthal anisotropy in Au plus Au and U plus U collisions at root $s(NN)=200$ GeV. In *JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS*. ISSN 0954-3899, 2019, vol. 46, no. 8, 085104., Registrované v: WOS
8. [1.1] KADAM, Guruprasad - PAWAR, Swapnali - MISHRA, Hiranmaya. Estimating transport coefficients of interacting pion gas with K-matrix cross sections. In *JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS*. ISSN 0954-3899, 2019, vol. 46, no. 1, 015102., Registrované v: WOS
9. [1.1] KURKELA, Aleksi - MAZELIAUSKAS, Aleksas. Chemical Equilibration in Hadronic Collisions. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2019, vol. 122, no. 14, 142301., Registrované v: WOS
10. [1.1] LIU, He - WANG, Feng-Tao - SUN, Kai-Jia - XU, Jun - KO, Che Ming. Isospin splitting of pion elliptic flow in relativistic heavy-ion collisions. In *PHYSICS LETTERS B*. ISSN 0370-2693, 2019, vol. 798, 135002., Registrované v: WOS
11. [1.1] NIEMI, H. - ESKOLA, K. J. - PAATELAINEN, R. - TUOMINEN, K. Latest predictions from the EbyE NLO EKRT model. In *NUCLEAR PHYSICS A*. ISSN 0375-9474, 2019, vol. 982, pp. 443-446., Registrované v: WOS
12. [1.1] RISTEA, O. - RISTEA, C. - JIPA, A. - PETRUSE, T. - ESANU, T. - CALIN, M. FLOW STUDIES IN NUCLEUS-NUCLEUS COLLISIONS AT FAIR-GSI AVAILABLE ENERGIES. In *ROMANIAN REPORTS IN PHYSICS*. ISSN 1221-1451, 2019, vol. 71, no. 1, 302., Registrované v: WOS
13. [1.1] WANG, Feng-Tao - XU, Jun. Hadronization using the Wigner function approach for a multiphase transport model. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 100, no. 6, 064909., Registrované v: WOS
14. [1.1] YI, Li. Study of Small Colliding Systems. In *NUCLEAR PHYSICS A*. ISSN 0375-9474, 2019, vol. 982, pp. 85-91., Registrované v: WOS
15. [1.1] ZHANG YIFEI - XIE GUANNAN - ZHANG SHENGHUI - DONG XIN. Heavy flavor hadron measurement at RHIC. In *SCIENTIA SINICA-PHYSICA MECHANICA & ASTRONOMICA*. ISSN 1674-7275, 2019, vol. 49, no. 10, UNSP

102003., Registrované v: WOS

- ADCA143 ADAMS, J. - AGGARWAL, M.M. - AHAMMED, Z. - AMONETT, J. - ANDERSON, B.D. - FILIP, Peter. Hadronization geometry from net-charge angular correlations on momentum subspace (η , ϕ) in Au-Au collisions at ($\sqrt{s_{NN}}$)=130 GeV. In Physics Letters Section B : Nuclear, Elementary Particle and High-Energy Physics, 2006, vol. 634, no. 4, p. 347-355. (2005: 5.301 - IF, Q1 - JCR, 2.980 - SJR, Q1 - SJR, karentované - CCC). (2006 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2006.01.061>

Citácie:

1. [1.1] RAY, R. L. - JENTSCH, A. Phenomenological models of two-particle correlation distributions on transverse momentum in relativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 2, 024911., Registrované v: WOS

- ADCA144 ADAMS, J. - AGGARWAL, J. - AHAMMED, Z. - ANDERSON, B.D. - ARKHIPKIN, D. - FILIP, Peter. Proton-Lambda correlations in central Au+Au collisions at $\sqrt{s_{NN}}$ =200 GeV. In Physical Review C, 2006, vol. 74, no. 6, 064906. (2005: 3.610 - IF, 1.287 - SJR, Q1 - SJR, karentované - CCC). (2006 - Current Contents, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.74.064906>

Citácie:

1. [1.1] ACHARYA, S. - ADAMOVA, D. - ADHYA, S. P. - et al. First Observation of an Attractive Interaction between a Proton and a Cascade Baryon. In PHYSICAL REVIEW LETTERS, 2019, vol. 123, no. 11, 112002., Registrované v: WOS

2. [1.1] ACHARYA, S. - ADAMOVA, D. - ADOLFSSON, J. - et al. Effects of P-tot gates and velocity gates on light-particle momentum correlation in intermediate-energy heavy-ion collisions. In PHYSICAL REVIEW C, 2019, vol. 99, no. 5, 054626., Registrované v: WOS

3. [1.1] HAIDENBAUER, J. Coupled-channel effects in hadron-hadron correlation functions. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2019, vol. 981, pp. 1-16., Registrované v: WOS

4. [1.1] WANG, Ting-Ting - MA, Yu-Gang - ZHANG, Zheng-Qiao. Effects of P-tot gates and velocity gates on light-particle momentum correlation in intermediate-energy heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 5, 054626., Registrované v: WOS

- ADCA145 ADAMS, J. - AGGARWAL, M.M. - AHAMMED, Z. - AMONETT, J. - ANDERSON, B.D. - FILIP, Peter. Transverse-momentum p(t) correlations on (η , ϕ) from mean-p(t) fluctuations in Au-Au collisions at $\sqrt{s_{NN}}$ =200 GeV. In Journal of Physics G, 2006, vol. 32, no. 6, 137-L48. (2005: 2.173 - IF, Q2 - JCR, 1.104 - SJR, Q2 - SJR, karentované - CCC). (2006 - Current Contents, WOS, SCOPUS). ISSN 0954-3899. Dostupné na: <https://doi.org/10.1088/0954-3899/32/6/L02>

Citácie:

1. [1.1] ACHARYA, S. - ADAMOVA, D. - ADOLFSSON, J. - et al. Two-particle differential transverse momentum and number density correlations in p-Pb collisions at 5.02 TeV and Pb-Pb collisions at 2.76 TeV at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 4, 044903., Registrované v: WOS

2. [1.1] GONZALEZ, Victor - MARIN, Ana - LADRON DE GUEVARA, Pedro - PAN, Jinjin - BASU, Sumit - PRUNEAU, Claude A. Effect of centrality bin width corrections on two-particle number and transverse momentum differential

correlation functions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 3, 034907., Registrované v: WOS

3. [1.1] RAY, R. L. - JENTSCH, A. *Phenomenological models of two-particle correlation distributions on transverse momentum in relativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 2, 024911., Registrované v: WOS*

4. [1.1] TRAINOR, Thomas A. *Comparing the PYTHIA Monte Carlo to a two-component (soft plus hard) model of hadron production in high-energy p-p collisions. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E. ISSN 0218-3013, 2019, vol. 28, no. 4, 1950023., Registrované v: WOS*

- ADCA146 ADAMS, J. - AGGARWAL, M.M. - AHAMMED, Z. - AMONETT, J. - ANDERSON, B.D. - FILIP, Peter. The energy dependence of $p(t)$ angular correlations inferred from mean- $p(t)$ fluctuation scale dependence in heavy ion collisions at the SPA and RHIC. In Journal of Physics G, 2007, vol. 34, no. 3, p. 451-465. (2006: 1.781 - IF, Q2 - JCR, 1.101 - SJR, Q2 - SJR, karentované - CCC). (2007 - Current Contents, WOS, SCOPUS). ISSN 0954-3899.

Citácie:

1. [1.1] RAY, R. L. - JENTSCH, A. *Phenomenological models of two-particle correlation distributions on transverse momentum in relativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 2, 024911., Registrované v: WOS*

2. [1.1] TRAINOR, Thomas A. *Comparing the PYTHIA Monte Carlo to a two-component (soft plus hard) model of hadron production in high-energy p-p collisions. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E. ISSN 0218-3013, 2019, vol. 28, no. 4, 1950023., Registrované v: WOS*

- ADCA147 ADAMS, J. - AGGARWAL, M.M. - AHAMMED, Z. - AMONETT, J. - ANDERSON, B.D. - FILIP, Peter. Two-particle correlations on transverse momentum and momentum dissipation in Au-Au collisions at root sNN=130 GeV. In Journal of Physics G, 2007, vol. 34, p. 799-816. (2006: 1.781 - IF, Q2 - JCR, 1.101 - SJR, Q2 - SJR, karentované - CCC). (2007 - Current Contents, WOS, SCOPUS). ISSN 0954-3899.

Citácie:

1. [1.1] RAY, R. L. - JENTSCH, A. *Phenomenological models of two-particle correlation distributions on transverse momentum in relativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 2, 024911., Registrované v: WOS*

- ADCA148 ADAMS, J. - AGGARWAL, M.M. - AHAMMED, Z. - AMONETT, J. - ANDERSON, B.D. - FILIP, Peter. Multiplicity and pseudorapidity distributions of charged particles and photons at forward pseudorapidity in Au plus Au collisions at root s(NN)=62.4 GeV. In Physical Review C, 2006, vol. 73, no. 3, 034906. (2005: 3.610 - IF, 1.287 - SJR, Q1 - SJR, karentované - CCC). (2006 - Current Contents, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.73.034906>

Citácie:

1. [1.1] KELLERS, B. - WOLSCHIN, G. *Limiting fragmentation at LHC energies. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS. ISSN 2050-3911, 2019, no. 5, 053D03., Registrované v: WOS*

2. [1.1] ROGLY, Rudolph - GIACALONE, Giuliano - OLLITRAULT, Jean-Yves. *Isolating dynamical net-charge fluctuations. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 3, 034902., Registrované v: WOS*

3. [1.1] SAHOO, Pragati - PAREEK, Pooja - TIWARI, Swatantra Kumar - SAHOO, Raghunath. *Limiting fragmentation in high-energy nuclear collisions at*

the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 4, 044906., Registrované v: WOS

- ADCA149 ADAMS, J. - AGGARWAL, M.M. - AHAMMED, Z. - AMONETT, J. - ANDERSON, B.D. - FILIP, Peter. Minijet deformation and charge-independent angular correlations on momentum subspace (η , ϕ) in Au-Au collisions at $\sqrt{s_{NN}}=130$ GeV. In Physical Review C, 2006, vol. 73, no. 6, 064907. (2005: 3.610 - IF, 1.287 - SJR, Q1 - SJR, karentované - CCC). (2006 - Current Contents, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.73.064907>

Citácie:

1. [1.1] ACHARYA, S. - ADAMOVA, D. - ADOLFSSON, J. - et al. Two-particle differential transverse momentum and number density correlations in p-Pb collisions at 5.02 TeV and Pb-Pb collisions at 2.76 TeV at the CERN Large Hadron Collider. In PHYSICAL REVIEW C, 2019, vol. 100, no. 4, 044903., Registrované v: WOS

2. [1.1] TRAINOR, Thomas A. Comparing the PYTHIA Monte Carlo to a two-component (soft plus hard) model of hadron production in high-energy p-p collisions. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E. ISSN 0218-3013, 2019, vol. 28, no. 4, 1950023., Registrované v: WOS

3. [1.1] ZHAO, Jie - WANG, Fuqiang. Experimental searches for the chiral magnetic effect in heavy-ion collisions. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2019, vol. 107, pp. 200-236., Registrované v: WOS

- ADCA150 ADAMS, J. - AGGARWAL, M.M. - AHAMMED, Z. - AMONETT, J. - ANDERSON, B.D. - FILIP, Peter. Multiplicity dependence of inclusive p(t) spectra from p-p collisions at $\sqrt{s}=200$ GeV. In Physical review D, 2006, vol. 74, no. 3, 032006. (2005: 4.852 - IF, Q1 - JCR, 1.833 - SJR, Q1 - SJR, karentované - CCC). (2006 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.74.032006>

Citácie:

1. [1.1] TRAINOR, Thomas A. Comparing the PYTHIA Monte Carlo to a two-component (soft plus hard) model of hadron production in high-energy p-p collisions. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E. ISSN 0218-3013, 2019, vol. 28, no. 4, 1950023., Registrované v: WOS

- ADCA151 ADAMS, J. - AGGARWAL, M.M. - AHAMMED, Z. - ANDERSON, B.D. - ARKHIPKIN, D. - FILIP, Peter. Delta ϕ Delta η correlations in central Au plus Au collisions at $\sqrt{s_{NN}}=200$ GeV. In Physical Review C, 2007, vol. 75, no. 3, 034901. (2006: 3.327 - IF, 1.625 - SJR, Q1 - SJR, karentované - CCC). (2007 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.75.034901>

Citácie:

1. [1.1] ACHARYA, S. - ADAMOVA, D. - ADOLFSSON, J. - et al. Two-particle differential transverse momentum and number density correlations in p-Pb collisions at 5.02 TeV and Pb-Pb collisions at 2.76 TeV at the CERN Large Hadron Collider. In PHYSICAL REVIEW C, 2019, vol. 100, no. 4, 044903., Registrované v: WOS

2. [1.1] SAHOO, Baidyanath - NANDI, Basanta Kumar - PUJAHARI, Prabhat - BASU, Sumit - PRUNEAU, Claude. Simulation studies of R-2(Delta η , Delta ϕ) and P-2(Delta η , Delta ϕ) correlation functions in pp collisions with the PYTHIA and HERWIG models. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 2, 024909., Registrované v: WOS

- ADCA152 ADAMS, J. - AGGARWAL, M.M. - AHAMMED, Z. - AMONETT, J. - ANDERSON, B.D. - FILIP, Peter. Forward neutral pion production in p+p and d+Au

collisions at root $s(NN)=200$ GeV. In Physical Review Letters, 2006, vol. 97, no. 15, 152302. (2005: 7.489 - IF, Q1 - JCR, 4.082 - SJR, Q1 - SJR, karentované - CCC). (2006 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.97.152302>

Citácie:

1. [1.1] MANTYSAARI, Heikki - PAUKKUNEN, Hannu. Saturation and forward jets in proton-lead collisions at the LHC. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 100, no. 11, 114029., Registrované v: WOS

ADCA153

ADAMS, J. - AGGARWAL, M.M. - AHAMMED, Z. - AMONETT, J. - ANDERSON, B.D. - FILIP, Peter. Direct observation of dijets in central Au plus Au collisions at root $s(NN)=200$ GeV. In Physical Review Letters, 2006, vol. 97, no. 16, 162301. (2005: 7.489 - IF, Q1 - JCR, 4.082 - SJR, Q1 - SJR, karentované - CCC). (2006 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.97.162301>

Citácie:

1. [1.1] ACHARYA, S. - ADAMOVA, D. - ADHYA, S. P. - et al. Measurement of jet radial profiles in Pb-Pb collisions at root $s(NN)=2.76$ TeV. In PHYSICS LETTERS B, 2019, vol. 796, pp. 204-219., Registrované v: WOS

2. [1.1] ACHARYA, S. - ADAMOVA, D. - ADOLFSSON, J. - et al. Two-particle differential transverse momentum and number density correlations in p-Pb collisions at 5.02 TeV and Pb-Pb collisions at 2.76 TeV at the CERN Large Hadron Collider. In PHYSICAL REVIEW C, 2019, vol. 100, no. 4, 044903., Registrované v: WOS

3. [1.1] ADARE, A. - AFANASIEV, S. - AIDALA, C. - et al. Measurement of two-particle correlations with respect to second- and third-order event planes in Au plus Au collisions at root $s(NN)=200$ GeV. In PHYSICAL REVIEW C, 2019, vol. 99, no. 5, 054903., Registrované v: WOS

4. [1.1] WEN, Dan - CASTILHO, Wagner Maciel - LIN, Kai - QIAN, Wei-Liang - HAMA, Yojiro - KODAMA, Takeshi. On the peripheral tube description of the two-particle correlations in nuclear collisions. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2019, vol. 46, no. 3, 035103., Registrované v: WOS

5. [1.1] XIE, Man - WEI, Shu-Yi - QIN, Guang-You - ZHANG, Han-Zhong. Extracting jet transport coefficient via single hadron and dihadron productions in high-energy heavy-ion collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2019, vol. 79, no. 7, 589., Registrované v: WOS

ADCA154

ADAMS, J. - AGGARWAL, M.M. - AHAMMED, Z. - AMONETT, J. - ANDERSON, B.D. - FILIP, Peter. Scaling properties of hyperon production in Au+Au collisions at root $s(NN)=200$ GeV. In Physical Review Letters, 2007, vol. 98, no. 6, 062301. (2006: 7.072 - IF, Q1 - JCR, 4.781 - SJR, Q1 - SJR, karentované - CCC). (2007 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.98.062301>

Citácie:

1. [1.1] ADAMCZEWSKI-MUSCH, J. - ARNOLD, O. - BEHNKE, C. - et al. Sub-threshold production of K-s(0) mesons and Lambda hyperons in Au plus Au collisions at root $s(NN)=2.4$ GeV. In PHYSICS LETTERS B, 2019, vol. 793, pp. 457-463., Registrované v: WOS

2. [1.1] ADZHYMAMBETOV, M. D. - SHAPOVAL, V. M. - SINYUKOV, Yu. M. Description of bulk observables in Au plus Au collisions at top RHIC energy in the integrated hydrokinetic model. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2019, vol. 987, pp. 321-336., Registrované v: WOS

3. [1.1] ALMAALOL, Dekrayat - ALQAHTANI, Mubarak - STRICKLAND,

- Michael. Anisotropic hydrodynamic modeling of 200 GeV Au-Au collisions. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 99, no. 4, 044902., Registrované v: WOS
4. [1.1] BHATTACHARYYA, Sumana - BISWAS, Deeptak - GHOSH, Sanjay K. - RAY, Rajarshi - SINGHA, Pracheta. Novel scheme for parametrizing the chemical freeze-out surface in heavy ion collision experiments. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2019, vol. 100, no. 5, 054037., Registrované v: WOS
5. [1.1] BLUHM, Marcus - NAHRGANG, Marlene. Freeze-out conditions from strangeness observables at RHIC. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2019, vol. 79, no. 2, 155., Registrované v: WOS
6. [1.1] PARRA, R. A. - UDDIN, S. - INAM-UL BASHIR - NANDA, H. - BASHIR, W. - AHMAD, R. Study of Pion Transverse Momentum Distributions in Ultra-Relativistic Heavy Ion Collisions: A USTFM Approach. In *JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS*. ISSN 1063-7761, 2019, vol. 129, no. 2, pp. 217-228., Registrované v: WOS
7. [1.1] WANG, Feng-Tao - XU, Jun. Hadronization using the Wigner function approach for a multiphase transport model. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 100, no. 6, 064909., Registrované v: WOS
8. [1.1] WAQAS, M. - LIU, F-H - FAKHRADDIN, S. - RAHIM, M. A. Possible scenarios for single, double, or multiple kinetic freeze-out in high-energy collisions. In *INDIAN JOURNAL OF PHYSICS*. ISSN 0973-1458, 2019, vol. 93, no. 10, pp. 1329-1343., Registrované v: WOS
9. [1.1] XIA, Xiao-Liang - LI, Hui - HUANG, Xu-Guang - HUANG, Huan Zhong. Feed-down effect on Lambda spin polarization. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 100, no. 1, 014913., Registrované v: WOS

ADCA155

ADAMS, J. - AGGARWAL, M.M. - AHAMMED, Z. - AMONETT, J. - ANDERSON, B.D. - FILIP, Peter. Identified hadron spectra at large transverse momentum in p+p and d+Au collisions at $\sqrt{s_{NN}}=200$ GeV. In *Physics Letters B*, 2006, vol. 637, no. 3, p. 161-169. (2005: 5.301 - IF, Q1 - JCR, 2.980 - SJR, Q1 - SJR, karentované - CCC). (2006 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2006.04.032>

Citácie:

1. [1.1] AAIJ, R. - BETETA, C. Abellan - ADEVA, B. - et al. Measurement of Charged Hadron Production in Z-Tagged Jets in Proton-Proton Collisions at $\sqrt{s}=8$ TeV. In *PHYSICAL REVIEW LETTERS*, 2019, vol. 123, no. 23, 232001., Registrované v: WOS
2. [1.1] AJAZ, M. - MARYAM. $p(T)$ spectra of charged hadrons in proton-proton collisions at $\sqrt{s}=200$ GeV. In *MODERN PHYSICS LETTERS A*. ISSN 0217-7323, 2019, vol. 34, no. 19, 1950148., Registrované v: WOS
3. [1.1] GILANI, A. R. - WAZIR, Z. - SULEYMANOV, M. K. - KANWAL, S. - ASLAM, S. M. - ZAMAN, Ali. Analysis of transverse momentum distributions of charged particles produced in CC interactions at 4.2 A GeV/c. In *MODERN PHYSICS LETTERS A*. ISSN 0217-7323, 2019, vol. 34, no. 23, 1950187., Registrované v: WOS
4. [1.1] SHEN, Keming - BARNAFOLDI, Gergely Gabor - BIRO, Tamas Sandor. Hadron Spectra Parameters within the Non-Extensive Approach. In *UNIVERSE*, 2019, vol. 5, no. 5, 122., Registrované v: WOS
5. [1.1] SHEN, Keming - BARNAFOLDI, Gergely Gabor - BIRO, Tamas Sandor. Hadronization within the non-extensive approach and the evolution of the parameters. In *EUROPEAN PHYSICAL JOURNAL A*. ISSN 1434-6001, 2019, vol. 55, no. 8, 126., Registrované v: WOS
6. [1.1] WAZIR, Z. - GILANI, A. R. - SULEYMANOV, M. K. - AJAZ, M. - ASLAM,

S. M. - KHATTAK, S. A. - KHAN, A. Transverse Momentum Distributions of Charged Hadrons Produced in (HeC)-C-12 Collisions at 4.2A GeV/c. In PHYSICS OF PARTICLES AND NUCLEI LETTERS. ISSN 1547-4771, 2019, vol. 16, no. 6, pp. 662-666., Registrované v: WOS

ADAMS, J. - AGGARWAL, M.M. - AHAMMED, Z. - AMONETT, J. - ANDERSON, B.D. - FILIP, Peter. Experimental and theoretical challenges in the search for the quark-gluon plasma: The STAR Collaboration's critical assessment of the evidence from RHIC collisions. In Nuclear Physics A, 2005, vol. 757, no. 1-2, p. 102-183. (2004: 2.108 - IF). ISSN 0375-9474. Dostupné na: <https://doi.org/10.1016/j.nuclphysa.2005.03.085>

Citácie:

1. [1.1] AABOUD, M. - AAD, G. - ABBOTT, B. - et al. Measurement of the nuclear modification factor for inclusive jets in Pb plus Pb collisions at root $s(NN)=5.02$ TeV with the ATLAS detector. In PHYSICS LETTERS B, 2019, vol. 790, pp. 108-128., Registrované v: WOS
2. [1.1] AAD, G. - ABBOTT, B. - ABBOTT, D. C. - et al. Measurement of flow harmonics correlations with mean transverse momentum in lead-lead and proton-lead collisions at root $s(NN)=5.02$ TeV with the ATLAS detector. In EUROPEAN PHYSICAL JOURNAL C, 2019, vol. 79, no. 12, 985., Registrované v: WOS
3. [1.1] ABREU, Luciano M. - CORREA, Emerson B. S. - LINHARES, Cesar A. - et al. Finite-volume and magnetic effects on the phase structure of the three-flavor Nambu-Jona-Lasinio model. In PHYSICAL REVIEW D, 2019, vol. 99, no. 7, 076001., Registrované v: WOS
4. [1.1] ACHARYA, S. - ACOSTA, F. T. - ADAMOVA, D. - et al. Direct photon elliptic flow in Pb-Pb collisions at root $s(NN)=2.76$ TeV. In PHYSICS LETTERS B, 2019, vol. 789, pp. 308-322., Registrované v: WOS
5. [1.1] ACHARYA, S. - ACOSTA, F. T. - ADAMOVA, D. - et al. Upsilon suppression at forward rapidity in Pb-Pb collisions at root $s(NN)=5.02$ TeV. In PHYSICS LETTERS B, 2019, vol. 790, pp. 89-101., Registrované v: WOS
6. [1.1] ACHARYA, S. - ACOSTA, F. T. - Adamova, D. - et al. Direct photon production at low transverse momentum in proton-proton collisions at root $s=2.76$ and 8 TeV. In PHYSICAL REVIEW C, 2019, vol. 99, no. 2, 024912., Registrované v: WOS
7. [1.1] ACHARYA, S. - ADAMOVA, D. - ADHYA, S. P. - et al. Measurement of jet radial profiles in Pb-Pb collisions at root $s(NN)=2.76$ TeV. In PHYSICS LETTERS B, 2019, vol. 796, pp. 204-219., Registrované v: WOS
8. [1.1] ACHARYA, S. - ADAMOVA, D. - ADOLFSSON, J. - et al. Two-particle differential transverse momentum and number density correlations in p-Pb collisions at 5.02 TeV and Pb-Pb collisions at 2.76 TeV at the CERN Large Hadron Collider In PHYSICAL REVIEW C, 2019, vol. 100, no. 4, 044903., Registrované v: WOS
9. [1.1] ADARE, A. - AFANASIEV, S. - AIDALA, C. - et al. Measurement of two-particle correlations with respect to second- and third-order event planes in Au plus Au collisions at root $s(NN)=200$ GeV. In PHYSICAL REVIEW C, 2019, vol. 99, no. 5, 054903., Registrované v: WOS
10. [1.1] ADARE, A. - AIDALA, C. - AJITANAND, N. N. - et al. Multiparticle azimuthal correlations for extracting event-by-event elliptic and triangular flow in Au plus Au collisions at root $S-NN=200$ GeV. In PHYSICAL REVIEW C, 2019, vol. 99, no. 2, 024903., Registrované v: WOS
11. [1.1] AIDALA, C. - AKIBA, Y. - ALFRED, M. - et al. Creation of quark-gluon plasma droplets with three distinct geometries. In NATURE PHYSICS, 2019, vol. 15, no. 3, pp. 214-+., Registrované v: WOS

12. [1.1] ALEXANDRU, Andrei - HORVATH, Ivan. Possible new phase of thermal QCD. In *PHYSICAL REVIEW D*, 2019, vol. 100, no. 9, 094507., Registrované v: WOS
13. [1.1] Aad, G. - ABBOTT, B. - ABBOTT, D. C. - et al. Measurement of W - $+$ / W - $-$ boson production in Pb plus Pb collisions at root $s(NN)=5.02$ TeV with the ATLAS detector. In *EUROPEAN PHYSICAL JOURNAL C*, 2019, vol. 79, no. 11, 935., Registrované v: WOS
14. [1.1] BARTALINI, P. - GAUNT, J. R. MULTIPLE PARTON INTERACTIONS AT THE LHC Introduction. In *MULTIPLE PARTON INTERACTIONS AT THE LHC* Book Series: Advanced Series on Directions in High Energy Physics, 2019, vol. 29, pp. 1-+, Registrované v: WOS
15. [1.1] BAUTISTA, I. - PAJARES, C. - RAMIREZ, J. E. String percolation in AA and p plus p collisions. In *REVISTA MEXICANA DE FISICA*, 2019, vol. 65, no. 3, pp. 197-223., Registrované v: WOS
16. [1.1] BERDNIKOV, A. Ya - BERDNIKOV, Ya A. - ZHARKO, S., V - et al. Features of short-living neutral kaon production in copper-gold nuclei collisions at 200 GeV. *ST PETERSBURG POLYTECHNIC UNIVERSITY JOURNAL- PHYSICS AND MATHEMATICS*, 2019, vol. 12, no. 3, pp. 131-142., Registrované v: WOS
17. [1.1] BERDNIKOV, A. Ya - BERDNIKOV, Ya A. - ZHARKO, S., V - et al. Jet-quenching studies in ultrarelativistic copper-gold nuclei collisions using omega mesons. In *ST PETERSBURG POLYTECHNIC UNIVERSITY JOURNAL- PHYSICS AND MATHEMATICS*, 2019, vol. 12, no. 3, pp. 143-154., Registrované v: WOS
18. [1.1] BISWAS, Rathijit - CHOUDHURY, Subikash - PRASAD, Sidharth Kumar - et al. Study of jet-medium interactions using jet shape observables in heavy ion collisions at LHC energies with JEWEL. In *JOURNAL OF PHYSICS G- NUCLEAR AND PARTICLE PHYSICS*, 2019, vol. 46, no. 9, 095004., Registrované v: WOS
19. [1.1] BONATI, Claudio - PELISSETTO, Andrea - VICARI, Ettore. Phase Diagram, Symmetry Breaking, and Critical Behavior of Three-Dimensional Lattice Multiflavor Scalar Chromodynamics. In *PHYSICAL REVIEW LETTERS*, 2019, vol. 123, no. 23, 232002., Registrované v: WOS
20. [1.1] BREHM, Enrico. Heavy quarks in strongly coupled non-conformal plasmas with anisotropy. In *JOURNAL OF HIGH ENERGY PHYSICS*, 2019, no. 6, 128., Registrované v: WOS
21. [1.1] BREWER, Jasmine - MILHANO, Jose Guilherme - THALER, Jesse. Sorting Out Quenched Jets. In *PHYSICAL REVIEW LETTERS*, 2019, vol. 122, no. 22, 222301., Registrované v: WOS
22. [1.1] CAO, Shanshan - COCI, Gabriele - DAS, Santosh Kumar - et al. Toward the determination of heavy-quark transport coefficients in quark-gluon plasma. In *PHYSICAL REVIEW C*, 2019, vol. 99, no. 5, 054907., Registrované v: WOS
23. [1.1] CHEN Zhengyu - GREINER, Carsten - XU, Zhe - et al. Shear viscosity of ultrarelativistic Boson systems in the presence of a Bose-Einstein condensate. In *PHYSICAL REVIEW C*, 2019, vol. 100, no. 1, 014906., Registrované v: WOS
24. [1.1] CHENG, Yi-Lin - ZHANG, Song - MA, Yu-Gang - et al. Electromagnetic field from asymmetric to symmetric heavy-ion collisions at 200 GeV/c. In *PHYSICAL REVIEW C*, 2019, vol. 99, no. 5, 054906., Registrované v: WOS
25. [1.1] CRITELLI, Renato - ROUGEMONT, Romulo - NORONHA, Jorge. Holographic Bjorken flow of a hot and dense fluid in the vicinity of a critical point. In *PHYSICAL REVIEW D*, 2019, vol. 99, no. 6, 066004., Registrované v: WOS

26. [1.1] CUNHA, I. E. - BARROS, C. C., Jr. *Hadronic Matter in the Robertson-Walker Metric and the Early Universe*. In *PHYSICS OF PARTICLES AND NUCLEI LETTERS*, 2019, vol. 16, no. 3, pp. 170-175., Registrované v: WOS
27. [1.1] CZAJKA, Alina - DASGUPTA, Keshav - GALE, Charles - et al. *Bulk viscosity at extreme limits: from kinetic theory to strings*. In *JOURNAL OF HIGH ENERGY PHYSICS*, 2019, no. 7, 145., Registrované v: WOS
28. [1.1] DASH, Ashutosh - ROY, Victor - MOHANTY, Bedangadas. *Magneto-vortical evolution of QGP in heavy ion collisions*. In *JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS*, 2019, vol. 46, no. 1, 015103., Registrované v: WOS
29. [1.1] DASH, Ashutosh - SAMANTA, Subhasis - MOHANTY, Bedangadas. *Transport coefficients for multicomponent gas of hadrons using Chapman-Enskog method*. In *PHYSICAL REVIEW D*, 2019, vol. 100, no. 1, 014025., Registrované v: WOS
30. [1.1] DASH, Ashutosh - Samanta, Subhasis. *Interacting Hadron resonance gas model within S-matrix formalis*. In *INTERNATIONAL JOURNAL OF MODERN PHYSICS E*, 2019, vol. 28, no. 9, 1940001., Registrované v: WOS
31. [1.1] DONG, Xin - GRECO, Vincenzo. *Heavy quark production and properties of Quark-Gluon Plasma*. In *PROGRESS IN PARTICLE AND NUCLEAR PHYSICS*, 2019, vol. 104, pp. 97-141., Registrované v: WOS
32. [1.1] DONG, Xin - LEE, Yen-Jie - RAPP, Ralf. *Open Heavy-Flavor Production in Heavy-Ion Collisions*. In *ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE*, Vol. 69, Book Series: Annual Review of Nuclear and Particle Science, 2019, vol. 69, pp. 417-445., Registrované v: WOS
33. [1.1] GIACALONE, Giuliano - MAZELIAUSKAS, Aleksas - SCHLICHTING, Soeren. *Hydrodynamic Attractors, Initial State Energy, and Particle Production in Relativistic Nuclear Collisions*. In *PHYSICAL REVIEW LETTERS*, 2019, vol. 123, no. 26, 262301., Registrované v: WOS
34. [1.1] GILANI, A. R. - WAZIR, Z. - SULEYMANOV, M. K. - et al. *Analysis of transverse momentum distributions of charged particles produced in CC interactions at 4.2 A GeV/c*. In *MODERN PHYSICS LETTERS A*, 2019, vol. 34, no. 23, 1950187., Registrované v: WOS
35. [1.1] GONZALEZ, Victor - MARIN, Ana - LADRON DE GUEVARA, Pedro - et al. *Effect of centrality bin width corrections on two-particle number and transverse momentum differential correlation functions*. In *PHYSICAL REVIEW C*, 2019, vol. 99, no. 3, 034907., Registrované v: WOS
36. [1.1] GUO, Yun - DU, Qianqian. *Two-loop perturbative corrections to the constrained effective potential in thermal QCD*. In *JOURNAL OF HIGH ENERGY PHYSICS*, 2019, no. 5, 042., Registrované v: WOS
37. [1.1] HAQUE, Md Rihan - NASIM, Md - MOHANTY, Bedangadas. *Systematic investigation of azimuthal anisotropy in Au plus Au and U plus U collisions at root s(NN)=200 GeV*. In *JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS*, 2019, vol. 46, no. 8, 085104., Registrované v: WOS
38. [1.1] HE, Yayun - CAO, Shanshan - CHEN, Wei - et al. *Interplaying mechanisms behind single inclusive jet suppression in heavy-ion collisions*. In *PHYSICAL REVIEW C*, 2019, vol. 99, no. 5, 054911., Registrované v: WOS
39. [1.1] HESHMATIAN, S. - MORAD, R. *Jet suppression in non-conformal plasma using AdS/CFT*. In *JOURNAL OF HIGH ENERGY PHYSICS*, 2019, no. 3, 045., Registrované v: WOS
40. [1.1] HUI, Jia-Qi - JIANG, Zhi-Jin. *A Description of Transverse Momentum Distributions in p plus p Collisions at RHIC and LHC Energies*. In *ADVANCES IN HIGH ENERGY PHYSICS*, 2019, vol. 2019, 8372416., Registrované v: WOS

41. [1.1] JAMAL, M. Yousuf - CHANDRA, Vinod. Energy loss of heavy quarks in the isotropic collisional hot QCD medium. In *EUROPEAN PHYSICAL JOURNAL C*, 2019, vol. 79, no. 9, 761., Registrované v: WOS
42. [1.1] KASZA, Gabor - CSORGO, Tamas. Lifetime estimations from RHIC Au plus Au data. In *INTERNATIONAL JOURNAL OF MODERN PHYSICS A*, 2019, vol. 34, no. 26, 1950147., Registrované v: WOS
43. [1.1] KHAIDUKOV, Z. V. - SIMONOV, Yu A. Thermodynamics of a quark-gluon plasma at finite baryon density. In *PHYSICAL REVIEW D*, 2019, vol. 100, no. 7, 076009., Registrované v: WOS
44. [1.1] KHALEK, Rabah Abdul - ETHIER, Jacob J. - ROJO, Juan. Nuclear parton distributions from lepton-nucleus scattering and the impact of an electron-ion collider. In *EUROPEAN PHYSICAL JOURNAL C*, 2019, vol. 79, no. 6, 471., Registrované v: WOS
45. [1.1] KIOUMARSIPOUR, M. - SADEGHI, J. Effects of hyperscaling violation and dynamical exponents on heavy quark potential and jet quenching parameter. In *EUROPEAN PHYSICAL JOURNAL C*, 2019, vol. 79, no. 7, 636., Registrované v: WOS
46. [1.1] KOLBE, I. - HOROWITZ, W. A. - MOGLIACCI, S. Small System Corrections to Thermal Field Theory and pQCD Energy Loss. In *INTERNATIONAL WORKSHOP ON DISCOVERY PHYSICS AT THE LHC (KRUGER2018)*, Book Series: *Journal of Physics Conference Series*, 2019, vol. 1271, 012019., Registrované v: WOS
47. [1.1] KOOTHOTTIL, Sebastian - BANNUR, Vishnu M. Thermodynamic behavior of magnetized quark-gluon plasma within the self-consistent quasiparticle model. In *PHYSICAL REVIEW C*, 2019, vol. 99, no. 3, 035210., Registrované v: WOS
48. [1.1] KUNDU, Sourav - MALLICK, Dukhishyam - MOHANTY, Bedangadas. Study of charged particle multiplicity, average transverse momentum and azimuthal anisotropy in Xe plus Xe collisions at $\sqrt{s(NN)}=5.44$ TeV using AMPT model. In *EUROPEAN PHYSICAL JOURNAL A*, 2019, vol. 55, no. 9, 157., Registrované v: WOS
49. [1.1] KURGYIS, Balint - CSANAD, Mate. Observables from a perturbative, accelerating solution of relativistic hydrodynamics. In *ACTA PHYSICA POLONICA B PROCEEDINGS SUPPLEMENT*, 2019, vol. 12, no. 2, pp. 169-174., Registrované v: WOS
50. [1.1] KURIAN, Manu - CHANDRA, Vinod. Longitudinal conductivity of hot magnetized collisional QCD medium in the inhomogeneous electric field. In *PHYSICAL REVIEW D*, 2019, vol. 99, no. 11, 116018., Registrované v: WOS
51. [1.1] KURIAN, Manu - DAS, Santosh K. - CHANDRA, Vinod. Heavy quark dynamics in a hot magnetized QCD medium. In *PHYSICAL REVIEW D*, 2019, vol. 100, no. 7, 074003., Registrované v: WOS
52. [1.1] KURIAN, Manu - MITRA, Sukanya - GHOSH, Snigdha - et al. Transport coefficients of hot magnetized QCD matter beyond the lowest Landau level approximation. In *EUROPEAN PHYSICAL JOURNAL C*, 2019, vol. 79, no. 2, 134., Registrované v: WOS
53. [1.1] KURKELA, Aleksis - MAZELIAUSKAS, Aleksas - PAQUET, Jean-Francois - et al. Matching the Nonequilibrium Initial Stage of Heavy Ion Collisions to Hydrodynamics with QCD Kinetic Theory. In *PHYSICAL REVIEW LETTERS*, 2019, vol. 122, no. 12, 122302., Registrované v: WOS
54. [1.1] LAU, Pak Hang Chris - LIU, Hong - YIN, Yi. Characterizing hydrodynamical fluctuations in heavy-ion collisions from effective field theory approach. Conference: 27th International Conference on Ultrarelativistic

- Nucleus-Nucleus Collisions (Quark Matter) Location: Venice, ITALY Date: MAY 13-19, 2018. In NUCLEAR PHYSICS A, 2019, vol. 982, pp. 923-926., Registrované v: WOS*
55. [1.1] LEE, Yen-Jie - BADEA, Anthony - BATY, Austin - et al. Measurements of two-particle correlations in $e^{(+)}e^{(-)}$ collisions at 91 GeV with ALEPH archived data. Conference: 27th International Conference on Ultrarelativistic Nucleus-Nucleus Collisions (Quark Matter) Location: Venice, ITALY Date: MAY 13-19, 2018. In NUCLEAR PHYSICS A, 2019, vol. 982, pp. 483-486., Registrované v: WOS
56. [1.1] LI, Hanlin - LIN, Zi-Wei - WANG, Fuqiang. Charm quarks are more hydrodynamic than light quarks in final-state elliptic flow. In PHYSICAL REVIEW C, 2019, vol. 99, no. 4, 044911., Registrované v: WOS
57. [1.1] LI, Shuang - WANG, Chaowen - WANG, Renzhuo - et al. Probing the transport properties of quark-gluon plasma via heavy-flavor Boltzmann and Langevin dynamics. In PHYSICAL REVIEW C, 2019, vol. 99, no. 5, 054909., Registrované v: WOS
58. [1.1] LIU, Feng-Xian - CHEN, Gang - SHE, Zhi-Lei - et al. $H\text{-}3(\Lambda)$ and $(3)(\Lambda)\overline{(\Lambda)}(H)\overline{(\Lambda)}$ production and characterization in Cu plus Cu collisions at $\sqrt{s(NN)}=200$ GeV. In PHYSICAL REVIEW C, 2019, vol. 99, no. 3, 034904., Registrované v: WOS
59. [1.1] LOKHTIN, I. P. - SIDOROVA, A. A. Mechanisms of B Meson Suppression in Ultrarelativistic Heavy Ion Collisions. In JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS, 2019, vol. 128, no. 4, pp. 586-591., Registrované v: WOS
60. [1.1] MACHADO, M. - DAMGAARD, P. H. - GAARDHOJE, J. J. - et al. Angular power spectrum of heavy ion collisions. In PHYSICAL REVIEW C, 2019, vol. 99, no. 5, 054910., Registrované v: WOS
61. [1.1] MARIMUTHU, N. - PRAJAPATI, R. - SINGH, M. K. - et al. Study of relativistic charged particles production in Kr-84(36) emulsion interactions similar to 1 GeV per nucleon with wounded nucleon model Title Keywords Abstract Refs Biosis. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E, 2019, vol. 28, no. 8, 1950058., Registrované v: WOS
62. [1.1] MOHAMADITABAR, Alireza - TAGHAVI-SHAHRI, F. - KHANPOUR, Hamzeh - et al. Determination of contributions from residual light charged hadrons to inclusive charged hadrons from $e^{(+)}e^{(-)}$ annihilation data. In EUROPEAN PHYSICAL JOURNAL A, 2019, vol. 55, no. 10, 185., Registrované v: WOS
63. [1.1] MONNAI, Akihiko. Landau and Eckart frames for relativistic fluids in nuclear collisions. In PHYSICAL REVIEW C, 2019, vol. 100, no. 1, 014901., Registrované v: WOS
64. [1.1] NILIMA, Indrani - AGOTIYA, Vineet Kumar. Equation of States and Charmonium Suppression in Heavy-Ion Collisions. In ADVANCES IN HIGH ENERGY PHYSICS, 2019, vol. 2019, 9574136., Registrované v: WOS
65. [1.1] PLUMARI, S. Anisotropic flows and the shear viscosity of the QGP within an event-by-event massive parton transport approach. In EUROPEAN PHYSICAL JOURNAL C, 2019, vol. 79, no. 1, 2., Registrované v: WOS
66. [1.1] PRUNEAU, Claude A. Role of baryon number conservation in measurements of fluctuations. In PHYSICAL REVIEW C, 2019, vol. 100, no. 3, 034905., Registrované v: WOS
67. [1.1] PUNETHA, Garima - CHANDOLA, H. C. Effective Potential Formalism at Finite Temperature in Dual QCD and Deconfinement Phase Transition. In XXII INTERNATIONAL SCIENTIFIC CONFERENCE OF YOUNG SCIENTISTS AND

- SPECIALISTS (AYSS-2018), Book Series: EPJ Web of Conferences, 2019, vol. 201, UNSP 09009., Registrované v: WOS*
68. [1.1] RADZEVICH, P., V - BERDNIKOV, A. Ya - BERDNIKOV, Ya A. - et al. *Suppression of the hadronic yields in the uranium nuclei collisions at the different quark's composition of the produced particles. In ST PETERSBURG POLYTECHNIC UNIVERSITY JOURNAL-PHYSICS AND MATHEMATICS, 2019, vol. 12, no. 2, pp. 111-120., Registrované v: WOS*
69. [1.1] RODE, Sudhir Pandurang - BHADURI, Partha Pratim - ROY, Ankhi. *Anisotropic flow of charged and identified hadrons at FAIR energies and its dependence on the nuclear equation of state. In EUROPEAN PHYSICAL JOURNAL A, 2019, vol. 55, no. 11, 216., Registrované v: WOS*
70. [1.1] SADHU, Samrangy - GHOSH, Premomoy. *Anomalous features of particle production in high-multiplicity events of pp collisions at the LHC energies. In PHYSICAL REVIEW D, 2019, vol. 99, no. 3, 034020., Registrované v: WOS*
71. [1.1] SAHOO, Baidyanath - NANDI, Basanta Kumar - PUJAHARI, Prabhat - et al. *Simulation studies of R-2(Delta eta, Delta phi) and P-2(Delta eta, Delta phi) correlation functions in pp collisions with the PYTHIA and HERWIG models. In PHYSICAL REVIEW C, 2019, vol. 100, no. 2, 024909., Registrované v: WOS*
72. [1.1] SAHOO, Pragati - TIWARI, Swatantra Kumar - DE, Sudipan - et al. *Thermodynamic and transport properties in Au plus Au collisions at RHIC energies from the clustering of color strings. In MODERN PHYSICS LETTERS A, 2019, vol. 34, no. 4, 1950034., Registrované v: WOS*
73. [1.1] SARMA, Pranjal - BHATTACHARJEE, Buddhadeb. *Color reconnection as a possible mechanism of intermittency in the emission spectra of charged particles in PYTHIA-generated high-multiplicity pp collisions at energies available at the CERN Large Hadron Collider. In PHYSICAL REVIEW C, 2019, vol. 99, no. 3, 034901., Registrované v: WOS*
74. [1.1] SHEIKH, Ashik Ikbal - AHAMMED, Zubayer. *Impact of the chromo-electromagnetic field fluctuations on transport coefficients of heavy quarks and shear viscosity to entropy density ratio of quark-gluon plasma. In NUCLEAR PHYSICS A, 2019, vol. 986, pp. 48-59., Registrované v: WOS*
75. [1.1] SIRUNYAN, A. M. - TUMASYAN, A. - ADAM, W. - et al. *Charged-particle angular correlations in XeXe collisions at $\sqrt{s(NN)}=5.44$ TeV. In PHYSICAL REVIEW C, 2019, vol. 100, no. 4, 044902., Registrované v: WOS*
76. [1.1] SIRUNYAN, A. M. - TUMASYAN, A. - ADAM, W. - et al. *Non-Gaussian elliptic-flow fluctuations in PbPb collisions at $\sqrt{s(NN)}=5.02$ TeV. In PHYSICS LETTERS B, 2019, vol. 789, pp. 643-665., Registrované v: WOS*
77. [1.1] SIRUNYAN, A. M. - TUMASYAN, A. - ADAM, W. - et al. *Studies of Beauty Suppression via Nonprompt D-0 Mesons in Pb-Pb Collisions at $\sqrt{s(NN)}=5.02$ TeV. In PHYSICAL REVIEW LETTERS, 2019, vol. 123, no. 2, 022001., Registrované v: WOS*
78. [1.1] STRICKER, Laura - OTTINGER, Hans Christian. *Stability analysis for a thermodynamically consistent model of relativistic fluid dynamics. In PHYSICAL REVIEW E, 2019, vol. 99, no. 1, 013105., Registrované v: WOS*
79. [1.1] TOKAREV, M. V. - KECHECHYAN, A. O. - ZBOROVSKY, I. *Self-Similarity of Negative Particle Production in Au plus Au Collisions at STAR. In PHYSICS OF PARTICLES AND NUCLEI LETTERS, 2019, vol. 16, no. 5, pp. 508-513., Registrované v: WOS*
80. [1.1] TU, Biao - SHI, Shusu - LIU, Feng. *Elliptic flow of transported and produced protons in Au plus Au collisions with the UrQMD model. In CHINESE PHYSICS C, 2019, vol. 43, no. 5, 054106., Registrované v: WOS*

81. [1.1] TU, Zhoudunming. Search for the chiral magnetic effect and vorticity-induced polarization effects in nuclear collisions. Conference: 27th International Conference on Ultrarelativistic Nucleus-Nucleus Collisions (Quark Matter) Location: Venice, ITALY Date: MAY 13-19, 2018. In NUCLEAR PHYSICS A, 2019, vol. 982, pp. 50-56., Registrované v: WOS
82. [1.1] VERTESI, Robert. Heavy-Flavor Measurements with the ALICE Experiment at the LHC. In UNIVERSE, 2019, vol. 5, no. 5, 130., Registrované v: WOS
83. [1.1] WAKAYAMA, M. - BORNIAKOV, V. G. - BOYDA, D. L. - et al. Lee-Yang zeros in lattice QCD for searching phase transition points. In PHYSICS LETTERS B, 2019, vol. 793, pp. 227-233., Registrované v: WOS
84. [1.1] WANG, T. T. - MA, Y. G. Nucleon-number scalings of anisotropic flows and nuclear modification factor for light nuclei in the squeeze-out region. In EUROPEAN PHYSICAL JOURNAL A, 2019, vol. 55, no. 6, 102., Registrované v: WOS
85. [1.1] WAZIR, Z. - GILANI, A. R. - SULEYMANOV, M. K. - et al. Transverse Momentum Distributions of Charged Hadrons Produced in (HeC)-C-12 Collisions at 4.2A GeV/c. In PHYSICS OF PARTICLES AND NUCLEI LETTERS, 2019, vol. 16, no. 6, pp. 662-666., Registrované v: WOS
86. [1.1] WENG, Wenqi - LIANG, Jiaming - XUE, Jiang - et al. The Transfer Effects of Cognitive Training on Working Memory Among Chinese Older Adults With Mild Cognitive Impairment: A Randomized Controlled Trial. In FRONTIERS IN AGING NEUROSCIENCE, 2019, vol. 11, 212., Registrované v: WOS
87. [1.1] XIA, Yonghui - WANG, Qingwu - FENG, Hongtao - et al. Finite volume effects on the QCD chiral phase transition in the finite size dependent Nambu-Jona-Lasinio model. In CHINESE PHYSICS C, 2019, vol. 43, no. 3, 034101., Registrované v: WOS
88. [1.1] XIONG, Yuanhui - Tang, Xingzheng; Luo, Zhongjie. Drag force on heavy quarks from holographic QCD. In CHINESE PHYSICS C, 2019, vol. 43, no. 11, 113103., Registrované v: WOS
89. [1.1] YANG, Chi - CHEN, JinHui - MA, YuGang - et al. Inner TPC upgrade at RHIC-STAR. In SCIENTIA SINICA-PHYSICA MECHANICA & ASTRONOMICA, 2019, vol. 49, no. 10, UNSP 102008., Registrované v: WOS
90. [1.1] YU, Ning - LUO, Xiaofeng. Particle decay from statistical thermal model in high-energy nucleus-nucleus collisions. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2019, vol. 55, no. 2, pp., Registrované v: WOS
91. [1.1] ZHANG, Chao - ZHENG, Liang - LIU, Feng - et al. Update of a multiphase transport model with modern parton distribution functions and nuclear shadowing. In PHYSICAL REVIEW C, 2019, vol. 99, no. 6, 064906., Registrované v: WOS
92. [1.1] ZHANG, Liang - JIANG, Kun - LI, Cheng - et al. Data-driven subtraction of anisotropic flows in jet-like correlation studies in heavy-ion collisions. In PHYSICAL REVIEW C, 2019, vol. 100, no. 1, 014903., Registrované v: WOS
93. [1.1] ZHANG, Liu-Yao - CHEN, Jin-Hui - LIN, Zi-Wei - et al. Two-particle angular correlations in heavy ion collisions from a multiphase transport model. In PHYSICAL REVIEW C, 2019, vol. 99, no. 5, 054904., Registrované v: WOS
94. [1.1] ZHANG, Yao - ZHANG, Jingbo - SUO, Yaming - et al. Temperature-dependent shear viscosity in a multi-phase transport model for ultrarelativistic heavy-ion collisions at RHIC and LHC. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS, 2019, vol. 46, no. 5, 055101., Registrované v: WOS
95. [1.1] ZHANG, YiFei - XIE, GuanNan - ZHANG, ShengHui - et al. Heavy

flavor hadron measurement at RHIC. In SCIENTIA SINICA-PHYSICA MECHANICA & ASTRONOMICA, 2019, vol. 49, no. 10, UNSP 102003., Registrované v: WOS

96. [1.1] ZHANG, Zi-qiang - ZHU, Xiangrong. *Effect of gluon condensate on jet quenching parameter and drag force. In EUROPEAN PHYSICAL JOURNAL C, 2019, vol. 79, no. 2, 107., Registrované v: WOS*

97. [1.1] ZHAO, Jie - WANG, Fuqiang. *Experimental searches for the chiral magnetic effect in heavy-ion collisions. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS, 2019, vol. 107, pp. 200-236., Registrované v: WOS*

98. [1.1] ZHU, Xin Peng - YU, Li Li - LI, Shu Xia. *Analysis of the back-to-back correlation function of kaons at different evolution temperatures. SCIENTIA SINICA-PHYSICA MECHANICA & ASTRONOMICA, 2019, vol. 49, no. 5, 051001., Registrované v: WOS*

99. [1.1] ZHU, Zhou-Run - FENG, Sheng-Qin - SHI, Ya-Fei - et al. *Energy loss of heavy and light quarks in holographic magnetized background. In PHYSICAL REVIEW D, 2019, vol. 99, no. 12, 126001., Registrované v: WOS*

ADCA157 ADAMS, J. - ADLER, C. - AGGARWAL, M.M. - AHAMMED, Z. - AMONETT, J. - FILIP, Peter. *Phi meson production in Au + Au and p + p collisions at root s(NN)=200 GeV. In Physics Letters B, 2005, vol. 612, no. 3-4, p. 181-189. (2004: 4.619 - IF, karentované - CCC). (2005 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2004.12.082>*

Citácie:

1. [1.1] ACHARYA, S. - ACOSTA, F. T. - ADAMOVA, D. - et al. *Production of the rho(770)(0) meson in pp and Pb-Pb collisions at root S-NN=2.76 TeV. In PHYSICAL REVIEW C, 2019, vol. 99, iss. 6, art. no. UNSP 064901., Registrované v: WOS*

2. [1.1] ALMAALOL, Dekrayat - ALQAHTANI, Mubarak - STRICKLAND, Michael. *Anisotropic hydrodynamic modeling of 200 GeV Au-Au collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 4, 044902., Registrované v: WOS*

3. [1.1] ARAKELYAN, G. H. - MERINO, C. - SHABELSKI, Yu M. *Theoretical description of hadroproduction and production on nuclear targets of phi-mesons at very high energies. In XIII INTERNATIONAL CONFERENCE ON BEAUTY, CHARM AND HYPERON HADRONS (BEACH 2018). ISSN 1742-6588, 2019, vol. 1137, UNSP 012045., Registrované v: WOS*

4. [1.1] BHATTACHARYYA, Sumana - BISWAS, Deeptak - GHOSH, Sanjay K. - RAY, Rajarshi - SINGHA, Pracheta. *Novel scheme for parametrizing the chemical freeze-out surface in heavy ion collision experiments. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 100, no. 5., Registrované v: WOS*

5. [1.1] RIABOV, V. G. *Overview of ALICE results on light flavour hadron production. In 4TH INTERNATIONAL CONFERENCE ON PARTICLE PHYSICS AND ASTROPHYSICS (ICPPA-2018). ISSN 1742-6588, 2019, vol. 1390., Registrované v: WOS*

6. [1.1] WAQAS, M. - LIU, F-H - FAKHRADDIN, S. - RAHIM, M. A. *Possible scenarios for single, double, or multiple kinetic freeze-out in high-energy collisions. In INDIAN JOURNAL OF PHYSICS. ISSN 0973-1458, 2019, vol. 93, no. 10, pp. 1329-1343., Registrované v: WOS*

ADCA158 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. Dostupné na: <https://doi.org/10.1103/PhysRevC.75.045205>*

Citácie:

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

ADCA159 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. Dostupné na: <https://doi.org/10.1103/PhysRevC.78.035201>

Citácie:

1. [1.1] HASHAMIPOUR, Hadi - GOHARIPOUR, Muhammad - GOUSHEH, Siamak S. Nucleon axial form factor from generalized parton distributions. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 100, no. 1, 016001., Registrované v: WOS

2. [1.1] KIM, K. S. - CHOI, Ki-Seok - CHEOUN, Myung-Ki - SO, W. Y. - MOON, Heejang. Role of axial mass and strange axial form factor from various target nuclei in neutrino-nucleus scattering. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 3, 034604., Registrované v: WOS

ADCA160 ADAMUŠČIN, Cyril - DUBNIČKA, Stanislav - DUBNIČKOVÁ, A.Z. New value of the proton charge root mean square radius. In Progress in Particle and Nuclear Physics, 2012, vol. 67, no. 2, p. 479-485. (2011: 2.614 - IF, Q2 - JCR, 2.668 - SJR, Q1 - SJR, karentované - CCC). (2012 - Current Contents). ISSN 0146-6410. Dostupné na: <https://doi.org/10.1016/j.ppnp.2012.01.014>

Citácie:

1. [1.1] HAGELSTEIN, Franziska - PASCALUTSA, Vladimir. Lower bound on the proton charge radius from electron scattering data. In PHYSICS LETTERS B. ISSN 0370-2693, 2019, vol. 797, UNSP 134825., Registrované v: WOS

2. [1.1] KARSHENBOIM, S. G. - IVANOV, V. G. - EIDELMAN, S. I. Determination of the Proton Charge Radius by Different Methods. In PHYSICS OF PARTICLES AND NUCLEI LETTERS. ISSN 1547-4771, 2019, vol. 16, no. 5, pp. 514-519., Registrované v: WOS

ADCA161 AFANASIEV, S.V. - ANTICIC, T. - BACHLER, J. - BARMA, D. - BARTKE, J. - FILIP, Peter. Event-by-event fluctuations of the kaon-to-pion ratio in central Pb plus Pb collisions at 158 GeV per nucleon. In Physical Review Letters, 2001, vol. 86, no. 10, p. 1965-1969. (2000: 6.462 - IF, karentované - CCC). (2001 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.86.1965>

Citácie:

1. [1.1] MALI, Provash - GHOSH, Somnath - MUKHOPADHYAY, Amitabha. System size dependence of net-charge fluctuation in nucleus-nucleus collisions at FAIR energies. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2019, vol. 46, no. 12, 125107., Registrované v: WOS

ADCA162 AGAKICHIEV, G. - AGODI, C. - ALVAREZ-POL, H. - ATKIN, E. - BADURA, E. - HLAVÁČ, Stanislav - TURZO, Ivan. The high-acceptance dielectron spectrometer HADES. In European Physical Journal A, 2009, vol. 41, no. 2, p. 243-277. Dostupné na: <https://doi.org/10.1140/epja/i2009-10807-5>

Citácie:

1. [1.1] BELYAEV, A. - AVRAMENKO, S. A. - AGAKISHIEV, G. - PECHENOV, V. N. - RIKHVITSKY, V. S. On the initial approximation of charged particle tracks in detectors with linear sensing elements. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN

0168-9002, 2019, vol. 938, pp. 1-4., Registrované v: WOS

2. [1.1] BUFALINO, Stefania. Strangeness and nuclei production in nuclear collisions. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2019, vol. 982, pp. 64-70., Registrované v: WOS

3. [1.1] GALATYUK, Tetyana. Future facilities for high mu(B) physics. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2019, vol. 982, pp. 163-169., Registrované v: WOS

4. [1.1] LALIK, Rafal. Status and perspectives of hyperon production and electromagnetic decays with HADES at FAIR. In XIII INTERNATIONAL CONFERENCE ON BEAUTY, CHARM AND HYPERON HADRONS (BEACH 2018). ISSN 1742-6588, 2019, vol. 1137, UNSP 012057., Registrované v: WOS

5. [1.1] REIMANN, S. - DROBA, M. - MEUSEL, O. - PODLECH, H. An algorithm for automated lattice design of transfer lines. In 10TH INTERNATIONAL PARTICLE ACCELERATOR CONFERENCE. ISSN 1742-6588, 2019, vol. 1350, UNSP 012110., Registrované v: WOS

6. [1.1] SINGH, B. - ERNI, W. - KRUSCHE, B. - et al. Technical design report for the (P)over-barANDA Barrel DIRC detector. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS, 2019, vol. 46, no. 4, 045001., Registrované v: WOS

ADCA163 AGAKICHIEV, G. - AGODI, C. - ALVAREZ-POL, H. - BALANDA, A. - BERTINI, D. - HLAVÁČ, Stanislav. Dielectron production in C-12+C-12 collisions at 2A GeV with the HADES spectrometer. In Physical Review Letters, 2007, vol. 98, no. 5, 052302. Dostupné na: <https://doi.org/10.1103/PhysRevLett.98.052302>

Citácie:

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

ADCA164 AGAKISHIEV, G. - AGGARWAL, M.M. - AHAMMED, Z. - ALAKHVERDYANTS, A.V. - ALEKSEEV, I. - FILIP, Peter. Anomalous centrality evolution of two-particle angular correlations from Au-Au collisions at root s (NN)=62 and 200 GeV. In Physical Review C, 2012, vol. 86, no. 6, 064902. (2011: 3.308 - IF, 2.962 - SJR, Q1 - SJR, karentované - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.86.064902>

Citácie:

1. [1.1] ACHARYA, S. - ADAMOVA, D. - ADOLFSSON, J. - et al. Two-particle differential transverse momentum and number density correlations in p-Pb collisions at 5.02 TeV and Pb-Pb collisions at 2.76 TeV at the CERN Large Hadron Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 4, 044903., Registrované v: WOS

2. [1.1] RAY, R. L. - JENTSCH, A. Phenomenological models of two-particle correlation distributions on transverse momentum in relativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 2, 024911., Registrované v: WOS

3. [1.1] TRAINOR, Thomas A. Comparing the PYTHIA Monte Carlo to a two-component (soft plus hard) model of hadron production in high-energy p-p collisions. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E. ISSN 0218-3013, 2019, vol. 28, no. 4, 1950023., Registrované v: WOS

ADCA165 AGAKISHIEV, G. - AGGARWAL, M.M. - AHAMMED, Z. - ALAKHVERDYANTS, A.V. - ALEKSEEV, I. - FILIP, Peter. Energy and system-

size dependence of two- and four-particle nu(2) measurements in heavy-ion collisions at $\sqrt{s(NN)}=62.4$ and 200 GeV and implications on flow fluctuations and nonflow. In *Physical Review C*, 2012, vol. 86, no. 1, 014904. (2011: 3.308 - IF, 2.962 - SJR, Q1 - SJR, karentované - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.86.014904>

Citácie:

1. [1.1] BRONIOWSKI, Wojciech - ROHRMOSER, Martin. *Correlations with fluctuating strings*. In *ACTA PHYSICA POLONICA B*. ISSN 0587-4254, 2019, vol. 50, no. 6, pp. 1019-1028., Registrované v: WOS
2. [1.1] ROHRMOSER, Martin - BRONIOWSKI, Wojciech. *Forward-backward multiplicity fluctuations in ultrarelativistic nuclear collisions with wounded quarks and fluctuating strings*. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 99, no. 2, 024904., Registrované v: WOS

ADCA166

AGAKISHIEV, G. - AGGARWAL, M.M. - AHAMMED, Z. - ALAKHVERDYANTS, A.V. - ALEKSEEV, I. - FILIP, Peter. System size and energy dependence of near-side dihadron correlations. In *Physical Review C*, 2012, vol. 85, no. 1, 014903. (2011: 3.308 - IF, 2.962 - SJR, Q1 - SJR, karentované - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.85.014903>

Citácie:

1. [1.1] ACHARYA, S. - ADAMOVA, D. - ADOLFSSON, J. - et al. *Two-particle differential transverse momentum and number density correlations in p-Pb collisions at 5.02 TeV and Pb-Pb collisions at 2.76 TeV at the CERN Large Hadron Collider*. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 100, no. 4, 044903., Registrované v: WOS
2. [1.1] ADARE, A. - AFANASIEV, S. - AIDALA, C. - et al. *Measurement of two-particle correlations with respect to second- and third-order event planes in Au plus Au collisions at $\sqrt{s(NN)}=200$ GeV*. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 99, no. 5, 054903., Registrované v: WOS

ADCA167

AGAKISHIEV, G. - AGGARWAL, M.M. - AHAMMED, Z. - ALAKHVERDYANTS, A.V. - ALEKSEEV, I. - FILIP, Peter. Identified Hadron Compositions in p plus p and Au plus Au Collisions at High Transverse Momenta at $\sqrt{s(NN)}=200$ GeV. In *Physical Review Letters*, 2012, vol. 108, no. 7, 072302. (2011: 7.370 - IF, Q1 - JCR, 6.314 - SJR, Q1 - SJR, karentované - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.108.072302>

Citácie:

1. [1.1] AIDALA, C. - AKIBA, Y. - ALFRED, M. - et al. *Nuclear Dependence of the Transverse Single-Spin Asymmetry in the Production of Charged Hadrons at Forward Rapidity in Polarized p plus p, p plus Al, and p plus Au Collisions at $\sqrt{s(NN)}=200$ GeV*. *PHYSICAL REVIEW LETTERS*, 2019, vol. 123, no. 12, 122001., Registrované v: WOS
2. [1.1] ASCHENAUER, Elke C. - BORSA, Ignacio - SASSOT, Rodolfo - VAN HULSE, Charlotte. *Semi-inclusive deep-inelastic scattering, parton distributions, and fragmentation functions at a future electron-ion collider*. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2019, vol. 99, no. 9, 094004., Registrované v: WOS
3. [1.1] DAI WEI - XING HONGXI - ZHANG BEN-WEI - WANG ENKE - WANG XIN-NIAN. *Multiple scattering and parton energy loss in nuclei*. In *SCIENTIA SINICA-PHYSICA MECHANICA & ASTRONOMICA*. ISSN 1674-7275, 2019, vol. 49, no. 10, UNSP 102005., Registrované v: WOS
4. [1.1] EPELE, Manuel - CANAL, Carlos Garcia - SASSOT, R. *Heavy quark*

mass effects in parton-to-kaon hadronization probabilities. In PHYSICS LETTERS B. ISSN 0370-2693, 2019, vol. 790, pp. 102-107., Registrované v: WOS 5. [1.1] MA, Guo-Yang - DAI, Wei - ZHANG, Ben-Wei - WANG, Enke. NLO Productions of and K_S^0 with a global extraction of the jet transport parameter in heavy-ion collisions. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2019, vol. 79, no. 6, 518., Registrované v: WOS

ADCA168 AGAKISHIEV, G. - AGGARWAL, M.M. - AHAMMED, Z. - ALAKHVERDYANTS, A.V. - ALEKSEEV, I. - FILIP, Peter. Directed and elliptic flow of charged particles in Cu plus Cu collisions at $\sqrt{s(NN)}=22.4$ GeV. In Physical Review C, 2012, vol. 85, no. 1, 014901. (2011: 3.308 - IF, 2.962 - SJR, Q1 - SJR, karentované - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.85.014901>

Citácie:

1. [1.1] CHKHAIDZE, L. - CHLACHIDZE, G. - DJOBAVA, T. - GALOYAN, A. - KHARKHELAURI, L. - TOGOO, R. - UZHINSKY, V. Study of azimuthal correlations in the target fragmentation region in p, d, He, C plus C, Ta and C plus Ne, Cu collisions at momenta of 4.2, 4.5 and 10 A GeV/c. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2019, vol. 55, no. 1, 7., Registrované v: WOS

ADCA169 AGAKISHIEV, G. - AGGARWAL, M.M. - AHAMMED, Z. - ALAKHVERDYANTS, A.V. - ALEKSEEV, I. - FILIP, Peter. $\rho(0)$ photoproduction in AuAu collisions at $\sqrt{s(NN)}=62.4$ GeV measured with the STAR. In Physical Review C, 2012, vol. 85, no. 1, 014910. (2011: 3.308 - IF, 2.962 - SJR, Q1 - SJR, karentované - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.85.014910>

Citácie:

1. [1.1] GUZEY, V. - KLASSEN, M. Inclusive dijet photoproduction in ultraperipheral heavy ion collisions at the CERN Large Hadron Collider in next-to-leading order QCD. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 6, 065202., Registrované v: WOS

2. [1.1] KHOZE, V. A. - MARTIN, A. D. - RYSKIN, M. G. Exclusive vector meson production in heavy ion collisions. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2019, vol. 46, no. 8, 085002., Registrované v: WOS

ADCA170 AGAKISHIEV, G. - AGGARWAL, M.M. - AHAMMED, Z. - ALAKHVERDYANTS, A.V. - ALEKSEEV, I. - FILIP, Peter. Strangeness enhancement in Cu-Cu and Au-Au collisions at $\sqrt{s(NN)}=200$ GeV. In Physical Review Letters, 2012, vol. 108, no. 7, 072301. (2011: 7.370 - IF, Q1 - JCR, 6.314 - SJR, Q1 - SJR, karentované - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.108.072301>

Citácie:

1. [1.1] LIU, Feng-Xian - CHEN, Gang - SHE, Zhi-Lei - ZHENG, Liang - XIE, Yi-Long - DONG, Zi-Jian - ZHOU, Dai-Mei - SA, Ben-Hao. $H-3(\Lambda)$ and $(\bar{3})(\bar{\Lambda})$ production and characterization in Cu plus Cu collisions at $\sqrt{s(NN)}=200$ GeV. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 3, 034904., Registrované v: WOS

2. [1.1] LIU, Feng-Xian - CHEN, Gang - SHE, Zhi-Lei - ZHOU, Dai-Mei - XIE, Yi-Long. Light (anti)nuclei production in Cu plus Cu collisions at $\sqrt{s(NN)}=200$ GeV. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2019, vol. 55, no. 9, 160., Registrované v: WOS

3. [1.1] MOREAU, Pierre - SOLOVEVA, Olga - OLIVA, Lucia - SONG, Taesoo - CASSING, Wolfgang - BRATKOVSKAYA, Elena. Exploring the partonic phase at

finite chemical potential within an extended off-shell transport approach. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 1, 014911., Registrované v: WOS

4. [1.1] SIRUNYAN, A. M. - TUMASYAN, A. - ADAM, W. - et al. Measurement of $B\text{-}s(0)$ meson production in pp and PbPb collisions at root $S\text{-}NN=5.02$ TeV. In PHYSICS LETTERS B, 2019, vol. 796, pp. 168-190., Registrované v: WOS

- ADCA171 AGAKISHIEV, H. - AGGARWAL, M.M. - AHAMMED, Z. - ALAKHVERDYANTS, A.V. - ALEKSEEV, I. - FILIP, Peter. Event-plane-dependent dihadron correlations with harmonic $v(n)$ subtraction in Au plus Au collisions at $\sqrt{s_{NN}}=200$ GeV. In Physical Review C, 2014, vol. 89, no. 4, 041901. (2013: 3.881 - IF, karentované - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.89.041901>

Citácie:

1. [1.1] ADARE, A. - AFANASIEV, S. - AIDALA, C. - et al. Measurement of two-particle correlations with respect to second- and third-order event planes in Au plus Au collisions at root $s(NN)=200$ GeV. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 5, 054903., Registrované v: WOS

2. [1.1] WEN, Dan - CASTILHO, Wagner Maciel - LIN, Kai - QIAN, Wei-Liang - HAMA, Yojiro - KODAMA, Takeshi. On the peripheral tube description of the two-particle correlations in nuclear collisions. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2019, vol. 46, no. 3, 035103., Registrované v: WOS

- ADCA172 AGAKISHIEV, H. - AGGARWAL, M.M. - AHAMMED, Z. - ALAKHVERDYANTS, A.V. - ALEKSEEV, I. - FILIP, Peter. High $p(T)$ nonphotonic electron production in p plus p collisions at $\sqrt{s}=200$ GeV. In Physical Review D, 2011, vol. 83, no. 5, 052006. (2010: 4.964 - IF, Q1 - JCR, 2.759 - SJR, Q1 - SJR, karentované - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.83.052006>

Citácie:

1. [1.1] DONG, Xin - GRECO, Vincenzo. Heavy quark production and properties of Quark-Gluon Plasma. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2019, vol. 104, pp. 97-141., Registrované v: WOS

- ADCA173 AGAKISHIEV, H. - AGGARWAL, M.H. - AHAMMED, Z. - ALAKHVERDYANTS, A.V. - ALEKSEEV, I. - FILIP, Peter. Evolution of the differential transverse momentum correlation function with centrality in Au+Au collisions at $\sqrt{s(NN)}=200$ GeV. In Physics Letters B, 2011, vol. 704, no. 5, p. 467-473. (2010: 5.255 - IF, Q1 - JCR, 3.103 - SJR, Q1 - SJR, karentované - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2011.09.075>

Citácie:

1. [1.1] GONZALEZ, Victor - MARIN, Ana - LADRON DE GUEVARA, Pedro - PAN, Jinjin - BASU, Sumit - PRUNEAU, Claude A. Effect of centrality bin width corrections on two-particle number and transverse momentum differential correlation functions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 3, 034907., Registrované v: WOS

2. [1.1] MOSCHELLI, George - GAVIN, Sean. EXTRACTING THE SHEAR RELAXATION TIME OF QUARK-GLUON PLASMA FROM RAPIDITY CORRELATIONS. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2019, vol. 50, no. 6, pp. 1139-1149., Registrované v: WOS

3. [1.1] MOSCHELLI, George - GAVIN, Sean. Measuring the Rate of Isotropization of Quark-Gluon Plasma Using Rapidity Correlations. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2019, vol. 982, pp. 311-314.,

Registrované v: WOS

4. [1.1] SAHOO, Baidyanath - NANDI, Basanta Kumar - PUJAHARI, Prabhat - BASU, Sumit - PRUNEAU, Claude. Simulation studies of R-2(Delta eta, Delta phi) and P-2(Delta eta, Delta phi) correlation functions in pp collisions with the PYTHIA and HERWIG models. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 2, 024909., Registrované v: WOS

5. [1.1] VARGA-KOFARAGO, Monika - ACHARYA, S. - ACOSTA, F. T. - et al. The evolution of the near-side peak in two-particle number and transverse momentum correlations in Pb-Pb collisions from ALICE. In NUCLEAR PHYSICS A, 2019, vol. 982, pp. 363-366., Registrované v: WOS

ADCA174 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. (2010: 36.104 - IF, Q1 - JCR, 16.465 - SJR, Q1 - SJR, karentované - CCC). (2011 - Current Contents). ISSN 0028-0836. Dostupné na: <https://doi.org/10.1038/nature10079>

Citácie:

1. [1.1] CHEN JINHUI - MA YUGANG - ZHANG ZHENGQIAO - SAHA NEHA. Recent progress on antimatter and exotic strange particles study at RHIC. In SCIENTIA SINICA-PHYSICA MECHANICA & ASTRONOMICA. ISSN 1674-7275, 2019, vol. 49, no. 10, UNSP 102002., Registrované v: WOS

2. [1.1] LIU, Feng-Xian - CHEN, Gang - SHE, Zhi-Lei - ZHENG, Liang - XIE, Yi-Long - DONG, Zi-Jian - ZHOU, Dai-Mei - SA, Ben-Hao. H-3(Lambda) and (3)((Lambda)over-bar)(H)over-bar production and characterization in Cu plus Cu collisions at root s(NN)=200 GeV. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 3, 034904., Registrované v: WOS

3. [1.1] LIU, Feng-Xian - CHEN, Gang - SHE, Zhi-Lei - ZHOU, Dai-Mei - XIE, Yi-Long. Light (anti)nuclei production in Cu plus Cu collisions at root s(NN)=200 GeV. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2019, vol. 55, no. 9, 160., Registrované v: WOS

4. [1.1] SAMANTA, Chhanda. Superheavy nuclei and hypernuclei: extending the limits of the nuclear chart. In JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY. ISSN 0236-5731, 2019, vol. 322, no. 1, pp. 205-211., Registrované v: WOS

5. [1.1] SUN, Kai-Jia - KO, Che Ming - DOENIGUS, Benjamin. Suppression of light nuclei production in collisions of small systems at the Large Hadron Collider. In PHYSICS LETTERS B. ISSN 0370-2693, 2019, vol. 792, pp. 132-137., Registrované v: WOS

6. [1.1] WANG YI - ZHANG QIU-NAN - HAN DONG - LI YUAN-JING. Time of flight technology based on multi-gap resistive plate chamber. In ACTA PHYSICA SINICA. ISSN 1000-3290, 2019, vol. 68, no. 10, 102901., Registrované v: WOS

7. [1.1] WANG, Y. - ZHANG, Q. - HAN, D. - WANG, F. - YU, Y. - LYU, P. - LI, Y. Status of technology of MRPC time of flight system. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, 2019, vol. 14, C06015., Registrované v: WOS

8. [1.1] XU, Xinyuan - RAPP, Ralf. Production of light nuclei at thermal freezeout in ultrarelativistic heavy-ion collisions. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2019, vol. 55, no. 5, 68., Registrované v: WOS

9. [1.1] YANG CHI - CHEN JINHUI - MA YUGANG - XU QINGHUA. Inner TPC upgrade at RHIC-STAR. In SCIENTIA SINICA-PHYSICA MECHANICA & ASTRONOMICA. ISSN 1674-7275, 2019, vol. 49, no. 10, UNSP 102008., Registrované v: WOS

ADCA175 AGAKISHIEV, H. - AGGARWAL, M.H. - AHAMMED, Z. -

ALAKHVERDYANTS, A.V. - ALEKSEEV, I. - FILIP, Peter. Experimental studies of di-jet survival and surface emission bias in Au+Au collisions via angular correlations with respect to back-to-back leading hadrons. In *Physical Review C*, 2011, vol. 83, no. 6, 061901. (2010: 3.416 - IF, 2.409 - SJR, Q1 - SJR, karentované - CCC). (2011 - Current Contents). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.83.061901>

Citácie:

1. [1.1] AABOUD, M. - AAD, G. - ABBOTT, B. - *et al.* Comparison of Fragmentation Functions for Jets Dominated by Light Quarks and Gluons from *pp* and *Pb* plus *Pb* Collisions in ATLAS. In *PHYSICAL REVIEW LETTERS*, 2019, vol. 123, no. 4, 042001., Registrované v: WOS

2. [1.1] ADARE, A. - AFANASIEV, S. - AIDALA, C. - *et al.* Measurement of two-particle correlations with respect to second- and third-order event planes in *Au* plus *Au* collisions at $\sqrt{s(NN)}=200$ GeV. In *PHYSICAL REVIEW C*, 2019, vol. 99, no. 5, 054903., Registrované v: WOS

ADCA176 AGGARWAL, M.M. - AHAMMED, Z. - ALAKHVERDYANTS, A.V. - ALEKSEEV, I. - ALFORD, J. - FILIP, Peter. Higher moments of net proton multiplicity distributions at RHIC. In *Physical Review Letters*, 2010, vol. 105, no. 2, 022302. (2009: 7.328 - IF, 6.325 - SJR, Q1 - SJR, karentované - CCC). (2010 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.105.022302>

Citácie:

1. [1.1] AREF', EVA, I. Ya. Holographic Entanglement Entropy for Heavy-Ion Collisions. In *PHYSICS OF PARTICLES AND NUCLEI LETTERS*. ISSN 1547-4771, 2019, vol. 16, no. 5, pp. 486-492., Registrované v: WOS

2. [1.1] BZDAK, Adam - KOCH, Volker. Mapping the QCD phase diagram with statistics-friendly distributions. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 100, no. 5, 051902., Registrované v: WOS

3. [1.1] CASELLE, Michele - MAGNOLI, Nicodemo - NADA, Alessandro - PANERO, Marco - SCANAVINO, Marcello. Conformal perturbation theory confronts lattice results in the vicinity of a critical point. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2019, vol. 100, no. 3, 034512., Registrované v: WOS

4. [1.1] FAN, Wenkai - LUO, Xiaofeng - ZONG, Hongshi. Probing the QCD phase structure with higher order baryon number susceptibilities within the NJL model. In *CHINESE PHYSICS C*. ISSN 1674-1137, 2019, vol. 43, no. 3, 033103., Registrované v: WOS

5. [1.1] FAN, Wenkai - LUO, Xiaofeng - ZONG, Hongshi. Second to tenth order susceptibilities of conserved charges within a modified Nambu-Jona-Lasinio model. In *CHINESE PHYSICS C*. ISSN 1674-1137, 2019, vol. 43, no. 5, 054109., Registrované v: WOS

6. [1.1] HEROLD, Christoph - KITTIRATPATTANA, Apiwit - KOBDAJ, Chinorat - LIMPHIRAT, Ayut - YAN, Yupeng - NAHRGANG, Marlene - STEINHEIMER, Jan - BLEICHER, Marcus. Entropy production and reheating at the chiral phase transition. In *PHYSICS LETTERS B*. ISSN 0370-2693, 2019, vol. 790, pp. 557-562., Registrované v: WOS

7. [1.1] ISSERSTEDT, Philipp - BUBALLA, Michael - FISCHER, Christian S. - GUNKEL, Pascal J. Baryon number fluctuations in the QCD phase diagram from Dyson-Schwinger equations. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2019, vol. 100, no. 7, 074011., Registrované v: WOS

8. [1.1] JIN, XiaoHai - CHEN, JinHui - LIN, ZiWei - MA, GuoLiang - MA, YuGang - ZHANG, Song. Explore the QCD phase transition phenomena from a multiphase transport model. In *SCIENCE CHINA-PHYSICS MECHANICS &*

ASTRONOMY. ISSN 1674-7348, 2019, vol. 62, no. 1, 11012., Registrované v: WOS

9. [1.1] KALWAR, Kaleemullah - SHEN, Ming. Electrospun cellulose acetate nanofibers and Au@AgNPs for antimicrobial activity A mini review. In NANOTECHNOLOGY REVIEWS. ISSN 2191-9089, 2019, vol. 8, no. 1, pp. 246-257., Registrované v: WOS

10. [1.1] LI, Zhibin - XU, Kun - WANG, Xinyang - HUANG, Mei. The kurtosis of net baryon number fluctuations from a realistic Polyakov-Nambu-Jona-Lasinio model along the experimental freeze-out line. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2019, vol. 79, no. 3, 245., Registrované v: WOS

11. [1.1] PANDAV, Ashish - MALLICK, Debasish - MOHANTY, Bedangadas. Effect of limited statistics on higher order cumulants measurement in heavy-ion collision experiments. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2019, vol. 991, UNSP 121608., Registrované v: WOS

12. [1.1] ROGLY, Rudolph - GIACALONE, Giuliano - OLLITRAULT, Jean-Yves. Isolating dynamical net-charge fluctuations. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 3, 034902., Registrované v: WOS

13. [1.1] SHAO, Guo-yun - HE, Wei-bo - GAO, Xue-yan. Deformed QCD phase structure and entropy oscillation in the presence of a magnetic background. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 100, no. 1, 014020., Registrované v: WOS

14. [1.1] STEINBERG, V - STAUDENMAIER, J. - OLIINYCHENKO, D. - LI, F. - ERKINER, O. - ELFNER, H. Strangeness production via resonances in heavy-ion collisions at energies available at the GSI Schwerionensynchrotron. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 6, 064908., Registrované v: WOS

15. [1.1] WAKAYAMA, M. - BORNIAKOV, V. G. - BOYDA, D. L. - GOY, V. A. - IIDA, H. - MOLOCHKOV, A. - NAKAMURA, A. - ZAKHAROV, V. Lee-Yang zeros in lattice QCD for searching phase transition points. In PHYSICS LETTERS B. ISSN 0370-2693, 2019, vol. 793, pp. 227-233., Registrované v: WOS

16. [1.1] WANG, Fei - CAO, Yakun - ZONG, Hongshi. Novel self-consistent mean field approximation and its application in strong interaction phase transitions. In CHINESE PHYSICS C. ISSN 1674-1137, 2019, vol. 43, no. 8, 084102., Registrované v: WOS

17. [1.1] WANG, Xinyang - WEI, Minghua - LI, Zhibin - HUANG, Mei. Quark matter under rotation in the NJL model with vector interaction. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 99, no. 1, 016018., Registrované v: WOS

18. [1.1] WU, Shanjin - SONG, Huichao. Universal scaling of conserved charge in stochastic diffusion dynamics. In CHINESE PHYSICS C. ISSN 1674-1137, 2019, vol. 43, no. 8, 084103., Registrované v: WOS

19. [1.1] WU, Shanjin - WU, Zeming - SONG, Huichao. Universal scaling of the sigma field and net-protons from Langevin dynamics of model A. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 6, 064902., Registrované v: WOS

20. [1.1] YANG, Li-Kang - LUO, Xiaofeng - ZONG, Hong-Shi. QCD phase diagram in chiral imbalance with self-consistent mean field approximation. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 100, no. 9, 094012., Registrované v: WOS

21. [1.1] YU, Ning - LUO, Xiaofeng. Particle decay from statistical thermal model in high-energy nucleus-nucleus collisions. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2019, vol. 55, no. 2, 26., Registrované v: WOS

ADCA177 AGGARWAL, M.M. - AHAMMED, Z. - ALAKHVERDYANTS, A.V. - ALEKSEEV, I. - ALFORD, J. - FILIP, Peter. Balance functions from Au+Au, d+Au

and p+p collisions at $\sqrt{s(NN)}=200$ GeV. In *Physical Review C*, 2010, vol. 82, no. 2, 024905. (2009: 3.477 - IF, 2.222 - SJR, Q1 - SJR, karentované - CCC). (2010 - Current Contents, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.82.024905>

Citácie:

1. [1.1] ACHARYA, S. - ADAMOVA, D. - ADOLFSSON, J. - et al. Two-particle differential transverse momentum and number density correlations in p-Pb collisions at 5.02 TeV and Pb-Pb collisions at 2.76 TeV at the CERN Large Hadron Collider. In *PHYSICAL REVIEW C*, 2019, vol. 100, no. 4, 044903., Registrované v: WOS
2. [1.1] PAN, Jinjin - ACHARYA, S. - ACOSTA, F. T. - et al. Balance functions of (un)identified hadrons in Pb-Pb, p-Pb, and pp collisions at the LHC. In *NUCLEAR PHYSICS A*, 2019, vol. 982, pp. 315-318., Registrované v: WOS
3. [1.1] PRATT, Scott - PLUMBERG, Christopher. Evolving charge correlations in a hybrid model with both hydrodynamics and hadronic Boltzmann descriptions. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 99, no. 4, 044916., Registrované v: WOS
4. [1.1] PRUNEAU, Claude A. Role of baryon number conservation in measurements of fluctuations. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 100, no. 3, 034905., Registrované v: WOS
5. [1.1] SAHOO, Baidyanath - NANDI, Basanta Kumar - PUJAHARI, Prabhat - BASU, Sumit - PRUNEAU, Claude. Simulation studies of R-2(Delta eta, Delta phi) and P-2(Delta eta, Delta phi) correlation functions in pp collisions with the PYTHIA and HERWIG models. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 100, no. 2, 024909., Registrované v: WOS

ADCA178

AGGARWAL, M.M. - AHAMMED, Z. - ALAKHVERDYANTS, A.V. - ALEKSEEV, I. - AFORD, J. - FILIP, Peter. Azimuthal di-hadron correlations in d plus Au and Au plus Au collisions at $\sqrt{s(NN)}=200$ GeV measured at the STAR detector. In *Physical Review C*, 2010, vol. 82, no. 2, 024912. (2009: 3.477 - IF, 2.222 - SJR, Q1 - SJR, karentované - CCC). (2010 - Current Contents, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.82.024912>

Citácie:

1. [1.1] ADARE, A. - AFANASIEV, S. - AIDALA, C. - et al. Measurement of two-particle correlations with respect to second- and third-order event planes in Au plus Au collisions at $\sqrt{s(NN)}=200$ GeV. In *PHYSICAL REVIEW C*, 2019, vol. 99, no. 5, 054903., Registrované v: WOS
2. [1.1] ASCHENAUER, E. C. - FAZIO, S. - LEE, J. H. - MANTYSAARI, H. - PAGE, B. S. - SCHENKE, B. - ULLRICH, T. - VENUGOPALAN, R. - ZURITA, P. The electron-ion collider: assessing the energy dependence of key measurements. In *REPORTS ON PROGRESS IN PHYSICS*. ISSN 0034-4885, 2019, vol. 82, no. 2, 024301., Registrované v: WOS
3. [1.1] BAUTISTA, I. - PAJARES, C. - RAMIREZ, J. E. String percolation in AA and p plus p collisions. In *REVISTA MEXICANA DE FISICA*. ISSN 0035-001X, 2019, vol. 65, no. 3, pp. 197-223., Registrované v: WOS
4. [1.1] KIRAKOSYAN, Martin - KOVALENKO, Aleksandr - LEONIDOV, Andrey. Sound propagation and Mach cone in anisotropic hydrodynamics. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2019, vol. 79, no. 5, 434., Registrované v: WOS
5. [1.1] ZHANG YIFEI - XIE GUANNAN - ZHANG SHENGHUI - DONG XIN. Heavy flavor hadron measurement at RHIC. In *SCIENTIA SINICA-PHYSICA MECHANICA & ASTRONOMICA*. ISSN 1674-7275, 2019, vol. 49, no. 10, UNSP 102003., Registrované v: WOS

ADCA179 AGGARWAL, M.M. - AHAMMED, Z. - ALAKHVERDYANTS, A.V. - ALEKSEEV, I. - ALFORD, J. - FILIP, Peter. $K^*(0)$ production in Cu plus Cu and Au plus Au collisions at $\sqrt{s(NN)}=62.4$ GeV and 200 GeV. In Physical Review C, 2011, vol. 84, no. 3, 034909. (2010: 3.416 - IF, 2.409 - SJR, Q1 - SJR, karentované - CCC). (2011 - Current Contents). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.84.034909>

Citácie:

1. [1.1] ARAKELYAN, G. H. - MERINO, C. - SHABELSKI, Yu M.

Hadroproduction of neutral K^ -mesons up to LHC energies. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2019, vol. 55, no. 9, 151.,*

Registrované v: WOS

2. [1.1] BARTALINI, P. - GAUNT, J. R. MULTIPLE PARTON INTERACTIONS AT THE LHC Introduction. In MULTIPLE PARTON INTERACTIONS AT THE LHC. ISSN 0218-0324, 2019, vol. 29, pp. 1-+., Registrované v: WOS

3. [1.1] ILNER, Andrej - BLAIR, Justin - CABRERA, Daniel - MARKERT, Christina - BRATKOVSKAYA, Elena. Probing hot and dense nuclear matter with K^* , $(K)\overline{\text{bar}}^*$ vector mesons. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 2, 024914., Registrované v: WOS

ADCA180 AGGARWAL, M.M. - AHAMMED, Z. - ALAKHVERDYANTS, A.V. - ALEKSEEV, I. - ALFORD, J. - FILIP, Peter. Measurement of the bottom quark contribution to nonphotonic electron production in p plus p collisions at $\sqrt{s}=200$ GeV. In Physical Review Letters, 2010, vol. 105, no. 20, 202301. (2009: 7.328 - IF, 6.325 - SJR, Q1 - SJR, karentované - CCC). (2010 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.105.202301>

Citácie:

1. [1.1] AIDALA, C. - AKIBA, Y. - ALFRED, M. - et al. C. Measurement of charm and bottom production from semileptonic hadron decays in p plus p collisions at $\sqrt{s}=200$ GeV. In PHYSICAL REVIEW D, 2019, vol. 99, no. 9, 092003., Registrované v: WOS

2. [1.1] AIDALA, C. - AKIBA, Y. - ALFRED, M. - et al. Measurements of $\mu\mu$ pairs from open heavy flavor and Drell-Yan in p plus p collisions at $\sqrt{s}=200$ GeV. In PHYSICAL REVIEW D, 2019, vol. 99, no. 7, 072003., Registrované v: WOS

ADCA181 AGGARWAL, M.M. - AHAMMED, Z. - ALAKHVERDYANTS, A.V. - ALEKSEEV, I. - ALFORD, J. - FILIP, Peter. Pion femtoscopy in p plus p collisions at $\sqrt{s}=200$ GeV. In Physical Review C, 2011, vol. 83, no. 6, 064905. (2010: 3.416 - IF, 2.409 - SJR, Q1 - SJR, karentované - CCC). (2011 - Current Contents). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.83.064905>

Citácie:

1. [1.1] PORFY, Barnabas. NA61/SHINE LEVY HBT MEASUREMENTS IN Be plus Be COLLISIONS AT 150A GeV/c. In ACTA PHYSICA POLONICA B PROCEEDINGS SUPPLEMENT. ISSN 1899-2358, 2019, vol. 12, no. 2, pp. 451-456., Registrované v: WOS

ADCA182 ALT, C. - ANTICIC, T. - BAATAR, B. - BARMA, D. - BETLER, M. - FILIP, Peter. Electric charge fluctuations in central Pb+Pb collisions at 20A, 30A, 40A, 80A and 158A GeV. In Physical Review C, 2004, vol. 70, no. 6, 064903. (2003: 2.708 - IF, karentované - CCC). (2004 - Current Contents, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.70.064903>

Citácie:

1. [1.1] BRAUN-MUNZINGER, Peter - DOENIGUS, Benjamin. Loosely-bound objects produced in nuclear collisions at the LHC. In NUCLEAR PHYSICS A.

ISSN 0375-9474, 2019, vol. 987, pp. 144-201., Registrované v: WOS
 2. [1.1] MALI, Provash - GHOSH, Somnath - MUKHOPADHYAY, Amitabha. System size dependence of net-charge fluctuation in nucleus-nucleus collisions at FAIR energies. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2019, vol. 46, no. 12, 125107., Registrované v: WOS
 3. [1.1] WANG, Rui-Qin - SONG, Jun - LI, Gang - SHAO, Feng-Lan. Different production sources of light nuclei in ultra-relativistic heavy-ion collisions. In CHINESE PHYSICS C. ISSN 1674-1137, 2019, vol. 43, no. 2, 024101., Registrované v: WOS

ADCA183 ALT, C. - ANTICIC, T. - BAATAR, B. - BARNA, D. - BARTKE, J. - FILIP, Peter. Evidence for an exotic $S=-2$, $Q=-2$ baryon resonance in proton-proton collisions at the CERN SPS. In Physical Review Letters, 2004, vol. 92, no. 4, 042003. (2003: 7.035 - IF, karentované - CCC). (2004 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.92.042003>

Citácie:

1. [1.1] MART, T. Coupled $K+\Lambda$ and $K^0\Lambda$ photoproduction off the nucleon: Consequences from the recent CLAS and MAMI data and the $N(1680)P_{11}$ narrow state. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 100, no. 5, 056008., Registrované v: WOS
 2. [1.1] YANG, Ghil-Seok - KIM, Hyun-Chul. New narrow nucleon resonances N^* (1685) and N^* (1726) within the chiral quark-soliton model. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS. ISSN 2050-3911, 2019, no. 9., Registrované v: WOS

ADCA184 ALT, C. - ANTICIC, T. - BAATAR, D. - BARNA, D. - BARTKE, J. - FILIP, Peter. Directed and elliptic flow of charged pions and protons in Pb plus Pb collisions at 40A and 158A GeV. In Physical Review C, 2003, vol. 68, no. 3, 034903. (2002: 2.848 - IF, karentované - CCC). (2003 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.68.034903>

Citácie:

1. [1.1] BARTALINI, P. - GAUNT, J. R. MULTIPLE PARTON INTERACTIONS AT THE LHC Introduction. In MULTIPLE PARTON INTERACTIONS AT THE LHC. ISSN 0218-0324, 2019, vol. 29, pp. 1-+., Registrované v: WOS
 2. [1.1] GOLOSOV, Oleg - KLOCHKOV, Viktor - KASHIRIN, Evgeny - SELYUZHENKOV, Ilya. Anisotropic flow measured in Pb-Pb collisions with the NA49 and NA61/SHINE experiments at CERN SPS. In 4TH INTERNATIONAL CONFERENCE ON PARTICLE PHYSICS AND ASTROPHYSICS (ICPPA-2018). ISSN 1742-6588, 2019, vol. 1390, 012014., Registrované v: WOS
 3. [1.1] KASHIRIN, E. - GOLOSOV, O. - KLOCHKOV, V. - SELYUZHENKOV, I. NEW MEASUREMENT OF PION DIRECTED FLOW RELATIVE TO THE SPECTATOR PLANE BY THE NA49 EXPERIMENT AT CERN. In ACTA PHYSICA POLONICA B PROCEEDINGS SUPPLEMENT. ISSN 1899-2358, 2019, vol. 12, no. 2, pp. 419-424., Registrované v: WOS
 4. [1.1] KLOCHKOV, V - SELYUZHENKOV, I - ADUSZKIEWICZ, A. - et al. NA61/SHINE measurements of anisotropic flow relative to the spectator plane in Pb plus Pb collisions at 30A GeV/c. In NUCLEAR PHYSICS A, 2019, vol. 982, pp. 439-442., Registrované v: WOS
 5. [1.1] KOWALSKI, Seweryn - PULAWSKI, Szymon. RECENT RESULTS FROM NA61/SHINE. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2019, vol. 50, no. 11, pp. 1765-1770., Registrované v: WOS
 6. [1.1] KURKELA, Aleksy - WIEDEMANN, Urs Achim - WU, Bin. Flow in AA and pA as an interplay of fluid-like and non-fluid like excitations. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2019, vol. 79, no. 11, 965.,

Registrované v: WOS

7. [1.1] MARCINEK, Antoni. STRONG AND ELECTROMAGNETIC COLLECTIVE EFFECTS FROM NA61/SHINE. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2019, vol. 50, no. 6, pp. 1127-1137., Registrované v: WOS

8. [1.1] NARA, Yasushi - STOECKER, Horst. Sensitivity of the excitation functions of collective flow to relativistic scalar and vector meson interactions in the relativistic quantum molecular dynamics model RQMD.RMF. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 5, 054902., Registrované v: WOS

9. [1.1] SOYEZ, Gregory. Pileup mitigation at the LHC: A theorist's view. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, 2019, vol. 803, pp. 1-158., Registrované v: WOS

ADCA185 ANDREEV, G.A. - HARTMANOVÁ, Mária. Flotation method of precise density-measurements. In Physica status solidi A, 1989, vol. 116, no. 2, p. 457-468. ISSN 1862-6300. Dostupné na: <https://doi.org/10.1002/pssa.2211160203>

Citácie:

1. [1.1] THUKRAL, Kanika - VIJAYAN, N. - SONIA - HARANATH, D. - MAURYA, K. K. - PHILIP, J. - JAYARAMAKRISHNAN, V. Comprehensive study on L-Proline Lithium Chloride Monohydrate single crystal: A semi organic material for nonlinear optical applications. In ARABIAN JOURNAL OF CHEMISTRY. ISSN 1878-5352, 2019, vol. 12, no. 8, pp. 3193-3201., Registrované v: WOS

ADCA186 ANDREYEV, A.N. - ELSEVIERS, J. - HUYSE, M. - VAN DUPPEN, P. - ANTALIC, S. - BARZAKH, A. - BREE, N. - COCOLIOS, T.E. - COMAS, V.F. - DIRIKEN, J. - FEDOROV, D. - FEDOSSEEV, V. - FRANCHOO, S. - HEREDIA, J.A. - IVANOV, O. - KOSTER, U. - MARSH, B.A. - NISHIO, K. - PAGE, R.D. - PATRONIS, N. - SELIVERSTOV, M. - TSEKHANOVICH, I. - VAN DEN BERGH, P. - VAN DE WALLE, J. - VENHART, M. - VERMOTE, S. - VESELSKÝ, Martin - WAGEMANS, C. - ICHIKAWA, T. - IWAMOTO, A. - MOLLER, P. - SIERK, A.J. New type of asymmetric Fission in proton-rich nuclei. In Physical Review Letters, 2010, vol. 105, no. 25, 252502. (2009: 7.328 - IF, 6.325 - SJR, Q1 - SJR, karentované - CCC). (2010 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.105.252502>

Citácie:

1. [1.1] CHAKRABARTI, Alok - DECHOUDHURY, Siddhartha - BHOWMICK, Debasis - NAIK, Vaishali. Signature of bi-modal fission in uranium nuclei. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2019, vol. 46, no. 12., Registrované v: WOS

2. [1.1] CHATILLON, A. - TAIEB, J. - ALVAREZ-POL, H. - AUDOUIN, L. - AYYAD, Y. - BELIER, G. - BENLLIURE, J. - BOUTOUX, G. - CAAMANO, M. - CASAREJOS, E. - CORTINA-GIL, D. - EBRAN, A. - FARGET, F. - FERNANDEZ-DOMINGUEZ, B. - GORBINET, T. - GREUTE, L. - HEINZ, A. - JOHANSSON, H. T. - JURADO, B. - KELIC-HEIL, A. - KURZ, N. - LAURENT, B. - MARTIN, J-F - NOCIFORO, C. - PARADELA, C. - PELLEREAU, E. - PIETRI, S. - PROCHAZKA, A. - RODRIGUEZ-SANCHEZ, J. L. - SIMON, H. - TASSAN-GOT, L. - VARGAS, J. - VOSS, B. - WEICK, H. Experimental study of nuclear fission along the thorium isotopic chain: From asymmetric to symmetric fission. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 5, 054628., Registrované v: WOS

3. [1.1] GHOSH, Tilak Kumar. Into the fission valley of 'magic nucleus'; polonium. In CURRENT SCIENCE. ISSN 0011-3891, 2019, vol. 116, no. 12, pp. 1961-1964., Registrované v: WOS

4. [1.1] GUPTA, Shilpi - SCHMITT, C. - MAHATA, K. - SHRIVASTAVA, A. - SUGATHAN, P. - JHINGAN, A. - GOLDA, K. S. - SANEESH, N. - KUMAR, M. - KAUR, G. - STUTTGE, L. - ARORA, D. - ARORA, H. - CHATTERJEE, A. - CHAUHAN, K. - DUGGI, S. K. - KAUR, D. P. - MISHRA, V - PATIL, Prashant N. - RANI, K. *Asymmetric fission around lead: The case of Po-198. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 6, 064608., Registrované v: WOS*
5. [1.1] KAJINO, T. - AOKI, W. - BALANTEKIN, A. B. - DIEHL, R. - FAMIANO, M. A. - MATHEWS, G. J. *Current status of r-process nucleosynthesis. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2019, vol. 107, pp. 109-166., Registrované v: WOS*
6. [1.1] KAUR, Amandeep - SHARMA, Manoj K. *Fine structure effect among heavy-ion induced fission fragments at near and above barrier energies. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2019, vol. 55, no. 6, 89., Registrované v: WOS*
7. [1.1] KAVITA - GOLDA, K. S. - GHOSH, T. K. - JHINGAN, A. - SUGATHAN, P. - CHATTERJEE, A. - BEHERA, B. R. - KUMAR, Ashok - KUMAR, Rakesh - SANEESH, N. - KUMAR, M. - YADAV, Abhishek - YADAV, C. - KUMAR, Neeraj - BANERJEE, Akashrup - RANI, A. - DUGGI, S. K. - DUBEY, Rakesh - RANI, Kavita - NOOR, Shoaib - ACHARYA, Jaimin - SINGH, Hardev. *Fusion-fission dynamics of Pt-188,Pt-190 through fission fragment mass distribution measurements. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 2, 024626., Registrované v: WOS*
8. [1.1] LEMAITRE, J-F - GORIELY, S. - HILAIRE, S. - SIDA, J-L. *Fully microscopic scission-point model to predict fission fragment observables. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 3, 034612., Registrované v: WOS*
9. [1.1] MALIK, Sham S. - MAZUMDAR, I. *Role of quantum phase transition in spontaneous fission. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2019, vol. 990, pp. 220-243., Registrované v: WOS*
10. [1.1] NAGAME, Yuichiro. *Nuclear and chemical characterization of heavy actinides. In RADIOCHIMICA ACTA. ISSN 0033-8230, 2019, vol. 107, no. 9-11, pp. 803-819., Registrované v: WOS*
11. [1.1] RUAN, XinHui - HU, JiangTao - RONG, Tao - BAO, XiaoJun. *Yields distribution of induced fission with improved scission point model. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2019, vol. 46, no. 12, 125108., Registrované v: WOS*
12. [1.1] RYSENS, W. - BENDER, M. - BENNACEUR, K. - HEENEN, P-H - MEYER, J. *Impact of the surface energy coefficient on the deformation properties of atomic nuclei as predicted by Skyrme energy density functionals. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 4, 044315., Registrované v: WOS*
13. [1.1] SCAMPS, Guillaume - SIMENEL, Cedric. *Effect of shell structure on the fission of sub-lead nuclei. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 4, 041602., Registrované v: WOS*
14. [1.1] WANG, Zhiming - ZHU, Wenjie - ZHONG, Chunlai - FAN, Tieshuan. *New calculations of five-dimensional fission barriers for actinide nuclei. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2019, vol. 989, pp. 81-96., Registrované v: WOS*

ADCA187

ANDREYEV, A.N. - LIBERATI, V. - ANTALIC, S. - ACKERMANN, D. - BARZAKH, A. - BREE, N. - COCOLIOS, T.E. - DIRIKEN, J. - ELSEVIERS, J. - FEDOROV, D. - FINK, D. - FRANCHOO, S. - HEINZ, S. - HESSBERGER, F.P. - HOFMANN, S. - HUYSE, M. - IVANOV, O. - KHUYAGBAATAR, J. - KINDLER,

B. - KOSTER, U. - LANE, J.F.W. - LOMMEL, B. - MARSH, B. - MOLKANOV, P. - NISHIO, K. - PAGE, R.D. - PATRONIS, N. - PAUWELS, D. - RADULOV, D. - SARO, S. - SELIVERSTOV, M. - SJODIN, M. - TSEKHANOVICH, I. - VAN DEN BERGH, P. - VAN DUPPEN, P. - VENHART, Martin - VESELSKÝ, Martin. alpha-decay spectroscopy of the chain Ti-179(g) - Au-175(g) - Ir-171(g) - Re-167(m). In Physical Review C, 2013, vol. 87, no. 5, 054311. (2012: 3.715 - IF, 2.769 - SJR, Q1 - SJR, karentované - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.87.054311>

Citácie:

1. [1.1] *MANDAL, S. - DINI, K. - KIBIS, O. V. - LIEW, T. C. H. On the possibility of a terahertz light emitting diode based on a dressed quantum well. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2019, vol. 9, 16320, Registrované v: WOS*

ADCA188 ANNUŠOVÁ, Adriana** - MARINOV, Daniil - BOOTH, Jean-Paul - SIRSE, Nishant - LINO DA SILVA, Mario - LOPEZ, Bruno - GUERRA, Vasco. Kinetics of highly vibrationally excited O-2(X) molecules in inductively-coupled oxygen plasmas. In PLASMA SOURCES SCI T, 2018, vol. 27, no. 4, art. no. 045006, [30] p. (2017: 3.939 - IF, Q1 - JCR, 1.015 - SJR, Q1 - SJR, karentované - CCC). (2018 - Current Contents). ISSN 0963-0252. Dostupné na: <https://doi.org/10.1088/1361-6595/aab47d>

Citácie:

1. [1.1] *GUERRA, Vasco - TEJERO-DEL-CAZ, Antonio - PINTASSILGO, Carlos D. - ALVES, Luis L. Modelling N-2-O-2 plasmas: volume and surface kinetics. In PLASMA SOURCES SCIENCE & TECHNOLOGY. ISSN 0963-0252, 2019, vol. 28, no. 7, 073001., Registrované v: WOS*

2. [1.1] *KHVATOV, N. A. - ZAGIDULLIN, M. - TOLSTOV, G. - MEDVEDKOV, I. A. - MEBEL, A. M. - HEAVEN, M. C. - AZYAZOV, V. N. Product channels of the reactions of O-2(b(1)Sigma(+)(g)). In CHEMICAL PHYSICS. ISSN 0301-0104, 2019, vol. 521, pp. 85-91., Registrované v: WOS*

3. [1.1] *MAKABE, Toshiaki. Current status and nature of high-frequency electronegative plasmas: basis for material processing in device manufacturing. In JAPANESE JOURNAL OF APPLIED PHYSICS. ISSN 0021-4922, 2019, vol. 58, no. 11, 110101., Registrované v: WOS*

4. [1.1] *PIETANZA, Lucia Daniela - COLONNA, Gianpiero - CAPITELLI, Mario. Dissociative Electron Attachment From Vibrationally Excited Molecules in Nanosecond Repetitively Pulsed CO Discharges and Afterglows. In FRONTIERS IN CHEMISTRY. ISSN 2296-2646, 2019, vol. 7, 163., Registrované v: WOS*

5. [1.1] *ZAGIDULLIN, M. - KHVATOV, N. A. - MEDVEDKOV, I. A. - MEBEL, A. M. - HEAVEN, Michael C. - AZYAZOV, V. N. O-2(b(1)Sigma(+)(g)) removal by I-2 and NO at temperatures of 297-750 K. In CHEMICAL PHYSICS LETTERS. ISSN 0009-2614, 2019, vol. 735, UNSP 136774., Registrované v: WOS*

ADCA189 ANTICIC, T. - BAATAR, B. - BARMA, D. - BETLER, M. - BETEV, L. - FILIP, Peter. Transverse momentum fluctuations in nuclear collisions at 158A GeV. In Physical Review C, 2004, vol. 70, no. 3, 034902. (2003: 2.708 - IF, karentované - CCC). (2004 - Current Contents, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.70.034902>

Citácie:

1. [1.1] *ANDRONOV, E. V. - KOVALENKO, V. N. Strongly Intensive Fluctuations Between the Multiplicity and the Total Transverse Momentum in pp Interactions in the Multipomeron Exchange Approach. In THEORETICAL AND MATHEMATICAL PHYSICS. ISSN 0040-5779, 2019, vol. 200, no. 3, pp. 1282-1293., Registrované v: WOS*

2. [1.1] DAVIS, N. RECENT RESULTS FROM PROTON INTERMITTENCY ANALYSIS IN NUCLEUS NUCLEUS COLLISIONS FROM NA61 AT CERN SPS. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2019, vol. 50, no. 6, pp. 1029-1040., Registrované v: WOS
3. [1.1] MALI, Provash - GHOSH, Somnath - MUKHOPADHYAY, Amitabha. System size dependence of net-charge fluctuation in nucleus-nucleus collisions at FAIR energies. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2019, vol. 46, no. 12, 125107., Registrované v: WOS
4. [1.1] PROKHOROVA, Daria - DAVIS, Nikolaos. Highlights from NA61/SHINE: Proton Intermittency Analysis. In UNIVERSE. ISSN 2218-1997, 2019, vol. 5, no. 5, UNSP 103., Registrované v: WOS
5. [1.1] RAY, R. L. - JENTSCH, A. Phenomenological models of two-particle correlation distributions on transverse momentum in relativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 2, 024911., Registrované v: WOS

ADCA190 ANTICIC, T. - BAATAR, B. - BARMA, D. - BETLER, M. - BETEV, L. - FILIP, Peter. Energy and centrality dependence of deuteron and proton production in Pb+Pb collisions at relativistic energies. In Physical review C, 2004, vol. 69, no. 2, 024902. (2003: 2.708 - IF, karentované - CCC). (2004 - Current Contents, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.69.024902>

Citácie:

1. [1.1] LAO, Hai-Ling - GAO, Ya-Qin - LIU, Fu-Hu. Energy Dependent Chemical Potentials of Light Particles and Quarks from Yield Ratios of Antiparticles to Particles in High Energy Collisions. In UNIVERSE, 2019, vol. 5, no. 6, 152., Registrované v: WOS
2. [1.1] WANG, Rui-Qin - SONG, Jun - LI, Gang - SHAO, Feng-Lan. Different production sources of light nuclei in ultra-relativistic heavy-ion collisions. In CHINESE PHYSICS C. ISSN 1674-1137, 2019, vol. 43, no. 2, 024101., Registrované v: WOS
3. [1.1] YU, Ning - LUO, Xiaofeng. Particle decay from statistical thermal model in high-energy nucleus-nucleus collisions. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2019, vol. 55, no. 2, 26., Registrované v: WOS

ADCA191 ANTICIC, T. - BAATAR, B. - BARNA, D. - BEHLER, M. - BETEV, L. - FILIP, Peter. Lambda and (Lambda) over-bar production in central Pb-Pb collisions at 40, 80, and 158A GeV. In Physical Review Letters, 2004, vol. 93, no. 2, 022302. (2003: 7.035 - IF, karentované - CCC). (2004 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.93.022302>

Citácie:

1. [1.1] BHATTACHARYYA, Sumana - BISWAS, Deeptak - GHOSH, Sanjay K. - RAY, Rajarshi - SINGHA, Pracheta. Novel scheme for parametrizing the chemical freeze-out surface in heavy ion collision experiments. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 100, no. 5, 054037., Registrované v: WOS
2. [1.1] KLOCHKOV, V - SELYZHENKOV, I - ADUSZKIEWICZ, A. - et al. Hidden strangeness shines in NA61/SHINE. In NUCLEAR PHYSICS A, 2019, vol. 982, pp. 855-858., Registrované v: WOS
3. [1.1] MARCINEK, Antoni. Mesons in NA61/SHINE. In MESON 2018 15TH INTERNATIONAL WORKSHOP ON MESON PHYSICS. ISSN 2100-014X, 2019, vol. 199, UNSP 02020., Registrované v: WOS
4. [1.1] MOREAU, Pierre - SOLOVEVA, Olga - OLIVA, Lucia - SONG, Taesoo - CASSING, Wolfgang - BRATKOVSKAYA, Elena. Exploring the partonic phase at finite chemical potential within an extended off-shell transport approach. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 1, 014911.,

Registrované v: WOS

5. [1.1] WU, Yang - ADAM, J. - ADAMCZYK, L. - et al. Recent results for STAR root $s(NN)=4.9$ GeV Al+Au and root $s(NN)=4.5$ GeV Au+Au Fixed-Target Collisions. In NUCLEAR PHYSICS A, 2019, vol. 982, pp. 899-902., Registrované v: WOS

6. [1.1] ZAKHAROV, B. G. Radiative Parton Energy Loss and Baryon Stopping in AA Collisions. In JETP LETTERS. ISSN 0021-3640, 2019, vol. 110, no. 6, pp. 375-381., Registrované v: WOS

ADCA192 ANTLANGER, Moritz - KAHL, Gerhard - MAZARS, Martial - ŠAMAJ, Ladislav - TRIZAC, Emmanuel. The asymmetric Wigner bilayer. In Journal of Chemical Physics, 2018, vol. 149, no. 24, p. 244904. (2017: 2.843 - IF, Q2 - JCR, 1.252 - SJR, Q1 - SJR, karentované - CCC). (2018 - Current Contents). ISSN 0021-9606. Dostupné na: <https://doi.org/10.1063/1.5053651>

Citácie:

1. [1.1] MAZARS, Martial - SALAZAR, Robert. Topological defects in the two-dimensional melting. In EPL. ISSN 0295-5075, 2019, vol. 126, no. 5, 56002., Registrované v: WOS

ADCA193 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. (2008: 1.114 - IF, Q3 - JCR, 0.566 - SJR, Q2 - SJR, karentované - CCC). (2009 - Current Contents). ISSN 0042-207X. Dostupné na: <https://doi.org/10.1016/j.vacuum.2009.04.070>

Citácie:

1. [1.1] MATSUMOTO, H. - OTA, S. - ANDO, A. - CHIBA, D. A flexible exchange-biased spin valve for sensing strain direction. In APPLIED PHYSICS LETTERS. ISSN 0003-6951, 2019, vol. 114, no. 13, 132401., Registrované v: WOS

2. [1.1] OTA, S. - ANDO, A. - SEKITANI, T. - KOYAMA, T. - CHIBA, D. Flexible CoFeB/MgO-based magnetic tunnel junctions annealed at high temperature ($>= 350$ degrees C). In APPLIED PHYSICS LETTERS. ISSN 0003-6951, 2019, vol. 115, no. 20, 202401., Registrované v: WOS

ADCA194 ANZOLINI, C. - ANGEL, R.J. - MERLINI, M. - DERZSI, M. - TOKÁR, Kamil - MILANI, S. - KREBS, M.Y. - BRENNER, F.E. - NESTOLA, F. - HARRIS, J.W. Depth of formation of CaSiO₃-walsbyite included in super-deep diamonds. In Lithos, 2016, vol. 265, p. 138-147. (2015: 3.723 - IF, Q1 - JCR, 2.906 - SJR, Q1 - SJR, karentované - CCC). (2016 - Current Contents). ISSN 0024-4937.

Citácie:

1. [1.1] BULATOV, V. K. - GIRNIS, A. V. - BREY, G. P. - WOODLAND, A. B. - HOEFER, H. E. Ferropericlase crystallization under upper mantle conditions. In CONTRIBUTIONS TO MINERALOGY AND PETROLOGY. ISSN 0010-7999, 2019, vol. 174, no. 5, 45., Registrované v: WOS

2. [1.1] LIAN, Dongyang - YANG, Jingsui. Ophiolite-Hosted Diamond: A New Window for Probing Carbon Cycling in the Deep Mantle. In ENGINEERING. ISSN 2095-8099, 2019, vol. 5, no. 3, pp. 406-420., Registrované v: WOS

3. [1.1] MOORE, Andy E. - HELMSTAEDT, Herwart. Evidence for two blue (type IIb) diamond populations. In NATURE. ISSN 0028-0836, 2019, vol. 570, no. 7760, pp. E26-E27., Registrované v: WOS

ADCA195 ASEEV, Pavel P. - MARRA, Pasquale - STAŇO, Peter - KLINOVAJA, Jelena - LOSS, Daniel. Degeneracy lifting of Majorana bound states due to electron-phonon interactions. In Physical Review B, 2019, vol. 99, no. 20, 205435. (2018: 3.736 - IF, Q1 - JCR, 1.502 - SJR, Q1 - SJR, karentované - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na:

<https://doi.org/10.1103/PhysRevB.99.205435>

Citácie:

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

ADCA196 ASQARDOUST, Sh. - HANZAKI, Z.H.** - ABEDI, H.R. - KRAJŇÁK, Tomáš - MINÁRIK, P. Enhancing the strength and ductility in accumulative back extruded WE43 magnesium alloy through achieving bimodal grain size distribution and texture weakening. In *Materials Science and Engineering A*, 2017, vol. 698, p. 218-229. (2016: 3.094 - IF, Q1 - JCR, 1.669 - SJR, Q1 - SJR, karentované - CCC). (2017 - Current Contents). ISSN 0921-5093. Dostupné na: <https://doi.org/10.1016/j.msea.2017.04.098>

Citácie:

1. [1.1] DROZDENKO, Daria - YAMASAKI, Michiaki - MATHIS, Kristian - DOBRON, Patrik - LUKAC, Pavel - KIZU, Naoya - INOUE, Shin-ichi - KAWAMURA, Yoshihito. Optimization of mechanical properties of dilute Mg-Zn-Y alloys prepared by rapid solidification. In *MATERIALS & DESIGN*. ISSN 0264-1275, 2019, vol. 181, UNSP 107984., Registrované v: WOS

2. [1.1] SHAHSA, H. - ZAREI-HANZAKI, A. - BARABI, A. - CHO, J. H. - HAN, Sang-Ho. Dynamic dissolution and transformation of LPSO phase during thermomechanical processing of a GWZ magnesium alloy. In *MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING*. ISSN 0921-5093, 2019, vol. 754, pp. 85-98., Registrované v: WOS

3. [1.1] ZHAO, Xi - LI, Shuchang - XUE, Yong - ZHANG, Zhimin. An Investigation on Microstructure, Texture and Mechanical Properties of AZ80 Mg Alloy Processed by Annular Channel Angular Extrusion. In *MATERIALS*, 2019, vol. 12, no. 6, 1001., Registrované v: WOS

ADCA197 ATHANASOPOULOS, Stavros - SCHAUER, Franz - NÁDAŽDY, Vojtech - WEIß, Mareike - KAHLE, Frank-Julian - SCHERF, Ullrich - BÄSSLER, Heinz - KÖHLER, Anna**. What is the Binding Energy of a Charge Transfer State in an Organic Solar Cell? In *Advanced Energy Materials*, 2019, vol. 9, no. 24, art. no. 1900814. (2018: 24.884 - IF, Q1 - JCR, 8.900 - SJR, Q1 - SJR, karentované - CCC). (2019 - Current Contents). ISSN 1614-6832. Dostupné na: <https://doi.org/10.1002/aenm.201900814>

Citácie:

1. [1.1] BOSCHETTO, Gabriele - KROMPIEC, Michal - SKYLARIS, Chris-Kriton. How Does Polymorphism Affect the Interfacial Charge-Transfer States in Organic Photovoltaics? In *JOURNAL OF PHYSICAL CHEMISTRY C*. ISSN 1932-7447, 2019, vol. 123, no. 42, pp. 25585-25595., Registrované v: WOS

2. [1.1] KAISER, W. - GAGLIARDI, A. Kinetic Monte Carlo Study of the Role of the Energetic Disorder on the Open-Circuit Voltage in Polymer/Fullerene Solar Cells. In *JOURNAL OF PHYSICAL CHEMISTRY LETTERS*. ISSN 1948-7185, 2019, vol. 10, no. 20, pp. 6097-6104., Registrované v: WOS

3. [1.1] LI, Yongxi - SHERIFF, Hafiz K. M. - LIU, Xiao - WANG, Chun-Kai - DING, Kan - HAN, Han - WONG, Ken-Tsung - FORREST, Stephen R. Vacuum-Deposited Biterinary Organic Photovoltaics. In *JOURNAL OF THE AMERICAN CHEMICAL SOCIETY*. ISSN 0002-7863, 2019, vol. 141, no. 45, pp. 18204-18210., Registrované v: WOS

ADCA198 AUGER, M.A. - VAZQUEZ, L. - CUERNO, R. - CASTRO, M. - JERGEL, Matej - SANCHEZ, O. Intrinsic anomalous surface roughening of TiN films deposited by

reactive sputtering. In *Physical Review B*, 2006, vol. 73, no. 4, 045436. (2005: 3.185 - IF, Q1 - JCR, 2.126 - SJR, Q1 - SJR, karentované - CCC). (2006 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.73.045436>

Citácie:

1. [1.1] BHOWMIK, Dipak - CHOWDHURY, Debasree - KARMAKAR, Prasanta. *Dynamic scaling behavior of mica ripples produced by low energy Ar⁺ ion erosion. In SURFACE SCIENCE. ISSN 0039-6028, 2019, vol. 679, pp. 86-92., Registrované v: WOS*
2. [1.1] CREEDEN, Jason A. - MADARAS, Scott E. - BERINGER, Douglas B. - NOVIKOVA, Irina - LUKASZEWSKI, Rosa A. *Intrinsic anomalous scaling of epitaxial vanadium dioxide thin films on titanium dioxide. In AIP ADVANCES, 2019, vol. 9, no. 9, 095045., Registrované v: WOS*
3. [1.1] FOADI, Farnaz - TEN BRINK, Gert H. - MOHAMMADIZADEH, Mohammad Reza - PALASANTZAS, George. *Roughness dependent wettability of sputtered copper thin films: The effect of the local surface slope. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2019, vol. 125, no. 24, 244307., Registrované v: WOS*
4. [1.1] PODGURSKY, V. - BOGATOV, A. - YASHIN, M. - VILJUS, M. - BOLSHAKOV, A. P. - SEDOV, V. - VOLOBUJEVA, O. - MERE, A. - RAADIK, T. - RALCHENKO, V. *A comparative study of the growth dynamics and tribological properties of nanocrystalline diamond films deposited on the (110) single crystal diamond and Si(100) substrates. In DIAMOND AND RELATED MATERIALS. ISSN 0925-9635, 2019, vol. 92, no., 159-167., Registrované v: WOS*

ADCA199 AYISSI, S. - PALOTÁS, Krisztián - QIN, H. - YANG, L. - CHARPENTIER, P.A. *Nanostructural adsorption of vanadium oxide on functionalized graphene: a DFT study. In Physical Chemistry Chemical Physics, 2016, vol. 18, no. 42, p. 29208-29217. (2015: 4.449 - IF, Q1 - JCR, 1.725 - SJR, Q1 - SJR, karentované - CCC). (2016 - Current Contents). ISSN 1463-9076. Dostupné na: <https://doi.org/10.1039/c6cp03967g>*

Citácie:

1. [1.1] LANGROUDI, Mohadeseh Meskinfam - POMELLI, Christian Silvio - GIGLIOLI, Romano - CHIAPPE, Cinzia - COSTA DE OLIVEIRA, Maida Aysla - MECHERI, Barbara - LICOCCIA, Silvia - D'EPIFANIO, Alessandra. *Interaction of vanadium species with a functionalized graphite electrode: A combined theoretical and experimental study for flow battery applications. In JOURNAL OF POWER SOURCES. ISSN 0378-7753, 2019, vol. 420, pp. 134-142., Registrované v: WOS*

ADCA200 AZIMI-ROEEN, Ghasem - KASHANI-BOZORG, Seyed Farshid - NOSKO, Martin - ŠVEC, Peter. *Reactive mechanism and mechanical properties of in-situ hybrid nano-composites fabricated from an Al-Fe₂O₃ system by friction stir processing. In Materials Characterization, 2017, vol. 127, p. 279-287. (2016: 2.714 - IF, Q1 - JCR, 1.222 - SJR, Q1 - SJR, karentované - CCC). (2017 - Current Contents). ISSN 1044-5803. Dostupné na: <https://doi.org/10.1016/j.matchar.2017.03.007>*

Citácie:

1. [1.1] AZARNIYA, Amir - AZARNIYA, Abolfazl - ABDOLLAH-ZADEH, Amir - HOSSEINI, Hamid Reza Madaah - RAMAKRISHNA, Seeram. *In Situ Hybrid Aluminum Matrix Composites: A Review of Phase Transformations and Mechanical Aspects. In ADVANCED ENGINEERING MATERIALS. ISSN 1438-1656, 2019, vol. 21, no. 7, 1801269., Registrované v: WOS*
2. [1.1] AZIZIEH, M. - DEZFULI, M. A. G. - BALAK, Z. - KIM, H. S. *A novel approach for producing in situ Al-Al₂Cu composite via friction stir processing. In*

MATERIALS RESEARCH EXPRESS. ISSN 2053-1591, 2019, vol. 6, no. 3, 036528., Registrované v: WOS

3. [1.1] AZIZIEH, M. - POURMODHEJI, R. - LARKI, A. N. - DEZFULI, M. A. G. - REZAEI, A. - KIM, H. S. Effect of multi-pass friction stir processing on the microstructure and hardness of AA1100/Al13Fe4 in situ composites. In *MATERIALS RESEARCH EXPRESS*. ISSN 2053-1591, 2019, vol. 6, no. 4, 046558., Registrované v: WOS

4. [1.1] FOTOOHI, Hamed - LOTFI, Behnam - SADEGHIAN, Zohreh - BYEON, Jai-won. Microstructural characterization and properties of in situ Al-Al₃Ni/TiC hybrid composite fabricated by friction stir processing using reactive powder. In *MATERIALS CHARACTERIZATION*. ISSN 1044-5803, 2019, vol. 149, pp. 124-132., Registrované v: WOS

5. [1.1] KALASHNIKOVA, Tatiana - GUSAROVA, Anastasia - CHUMAEVSKII, Andrey - KNYAZHEV, Evgeny - SHVEDOV, Mikhail - VASILYEV, Petr. Regularities of Composite Materials Formation using Additive Electron-Beam Technology, Friction Stir Welding and Friction Stir Processing. In *OBRABOTKA METALLOV-METAL WORKING AND MATERIAL SCIENCE*. ISSN 1994-6309, 2019, vol. 21, no. 4, pp. 94-112., Registrované v: WOS

6. [1.1] PATEL, Surendra Kumar - SINGH, Virendra Pratap - KURIACHEN, Basil. Friction stir processing of alloys with secondary phase particles: an overview. In *MATERIALS AND MANUFACTURING PROCESSES*. ISSN 1042-6914, 2019, vol. 34, no. 13, pp. 1429-1457., Registrované v: WOS

7. [1.1] YAQOOB, Basit - PASHA, Riffat Asim - AWANG, Mokhtar - NASIR, Muhammad Ali - HUSSAIN, Azhar - NAZIR, Kamran. Comparison of Mixing Strategies and Hybrid Ratio Optimization for Mechanical Properties Enhancement of Al-CeO₂-GNP's Metal Matrix Composite Fabricated by Friction Stir Processing. In *METALLOGRAPHY MICROSTRUCTURE AND ANALYSIS*. ISSN 2192-9262, 2019, vol. 8, no. 4, pp. 534-544., Registrované v: WOS

ADCA201 AZIMI-ROEEN, Ghasem** - KASHANI-BOZORG, Seyed Farshid - NOSKO, Martin** - NAGY, Štefan** - MATKO, Igor**. Formation of Al/(Al₁₃Fe₄ + Al₂O₃) Nano-composites via Mechanical Alloying and Friction Stir Processing. In *Journal of Materials Engineering and Performance*, 2018, vol. 27, no. 2, p. 471-482. (2017: 1.340 - IF, Q3 - JCR, 0.611 - SJR, Q2 - SJR, karentované - CCC). (2018 - Current Contents). ISSN 1059-9495. Dostupné na: <https://doi.org/10.1007/s11665-018-3170-8> (Vega č. 2/0158/16 : Výskum metodík prípravy ultrajemných a jemnozrnných materiálov na báze Al a AlTi pre mikroštruktútnu charakterizáciu pomocou EBSD metódy. APVV-14-0936 : Vývoj nového typu termosolárneho kolektora pre stredno-teplotné aplikácie)

Citácie:

1. [1.1] BAJAKKE, Padmakumar A. - MALIK, Vinayak R. - DESHPANDE, Anand S. Particulate metal matrix composites and their fabrication via friction stir processing a review. In *MATERIALS AND MANUFACTURING PROCESSES*. ISSN 1042-6914, 2019, vol. 34, no. 8, pp. 833-881., Registrované v: WOS

2. [1.1] STAWIARZ, Michel - KURTYKA, Pawel - RYLKO, Natalia - GLUZMAN, Simon. INFLUENCE OF FSP PROCESS MODIFICATION ON SELECTED PROPERTIES OF Al-Si-Cu/SiCp COMPOSITE SURFACE LAYER. In *COMPOSITES THEORY AND PRACTICE*. ISSN 2084-6096, 2019, vol. 19, no. 4, pp. 161-168., Registrované v: WOS

ADCA202 BALOG, Martin - YU, P. - QIAN, M. - BEHULOVA, M. - ŠVEC, Peter - CICKA, R. Nanoscaled Al-AlN composites consolidated by equal channel angular pressing (ECAP) of partially in situ nitrided Al powder. In *Materials Science and Engineering*

A - Structural Materials Properties Microstructure and Processing, 2013, vol. 562, p. 190-195. (2012: 2.108 - IF, Q1 - JCR, 1.744 - SJR, Q1 - SJR, karentované - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 0921-5093. Dostupné na: <https://doi.org/10.1103/PhysRevE.89.032128>

Citácie:

1. [1.1] *CHERNOUSOV, Andrey A. - CHAN, Ben Y. B. Oxynitride dendritic strengthening in pre-melted aluminium flakes through controlled in situ nitridation. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2019, vol. 806, pp. 841-851., Registrované v: WOS*
2. [1.1] *HOMAYOUN, H. - KHOSRAVIFARD, A. - EBRAHIMI, R. Consolidation of pure aluminum powder by Cyclic Expansion-Extrusion (CEE) process. In MATERIALS TODAY COMMUNICATIONS. ISSN 2352-4928, 2019, vol. 21, 100597., Registrované v: WOS*

ADCA203 BAMIDELE, J. - LEE, S.H. - TURANSKÝ, Robert - NAITOH, Y. - LI, Y.J. - SUGAWARA, Y. - ŠTICH, Ivan - KANTOROVICH, L. Vertical atomic manipulation with dynamic atomic-force microscopy without tip change via a multi-step mechanism. In Nature Communications, 2014, vol. 5, 4476. (2013: 10.742 - IF, Q1 - JCR, 5.967 - SJR, karentované - CCC). (2014 - Current Contents). ISSN 2041-1723. Dostupné na: <https://doi.org/10.1038/ncomms5476>

Citácie:

1. [1.1] *FREMY-KOCH, Sweetlana - SADEGHI, Ali - PAWLAK, Remy - KAWAI, Shigeki - BARATOFF, Alexis - GOEDECKER, Stefan - MEYER, Ernst - GLATZEL, Thilo. Controlled switching of a single CuPc molecule on Cu(111) at low temperature. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 100, no. 15, 155427., Registrované v: WOS*

ADCA204 BAMIDELE, J. - KINOSHITA, Y. - TURANSKÝ, Robert - LEE, S.H. - NAITOH, Y. - LI, Y.J. - SUGAWARA, Y. - ŠTICH, Ivan - KANTOROVICH, L. Image formation and contrast inversion in noncontact atomic force microscopy imaging of oxidized Cu(110) surfaces. In Physical Review B, 2014, vol. 90, no. 3, p. 035410. (2013: 3.664 - IF, Q1 - JCR, 2.804 - SJR, karentované - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.90.035410>

Citácie:

1. [1.1] *LIEBIG, Alexander - GIESSIBL, Franz J. In-situ characterization of O-terminated Cu tips for high-resolution atomic force microscopy. In APPLIED PHYSICS LETTERS. ISSN 0003-6951, 2019, vol. 114, no. 14, 143103., Registrované v: WOS*

ADCA205 BAMIDELE, J. - KINOSHITA, Y. - TURANSKÝ, Robert - LEE, S.H. - NAITOH, Y. - LI, Y.J. - SUGAWARA, Y. - ŠTICH, Ivan - KANTOROVICH, L. Chemical tip fingerprinting in scanning probe microscopy of an oxidized Cu(110) surface. In Physical Review B, 2012, vol. 86, no. 15, 155422. (2011: 3.691 - IF, Q1 - JCR, 3.326 - SJR, Q1 - SJR, karentované - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.86.155422>

Citácie:

1. [1.1] *LI, Minglin - ZHUO, Weirong - PANG, Haosheng - LAI, Lianfeng. Improving the atomic-resolution AFM imaging of monolayer MoS2 for worn tips: a molecular dynamics study. In JAPANESE JOURNAL OF APPLIED PHYSICS. ISSN 0021-4922, 2019, vol. 58, no. 5, 055003., Registrované v: WOS*
2. [1.1] *LIEBIG, Alexander - GIESSIBL, Franz J. In-situ characterization of O-terminated Cu tips for high-resolution atomic force microscopy. In APPLIED PHYSICS LETTERS. ISSN 0003-6951, 2019, vol. 114, no. 14, 143103.,*

Registrované v: WOS

- ADCA206 BANDILLA, A. - DROBNÝ, Gabriel - JEX, Igor. Nondegenerate parametric interactions and nonclassical effects. In Physical Review A, 1996, vol. 53, no. 1, p. 507-516. ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.53.507>

Citácie:

1. [1.1] MARTINS, Alex Clesio Nunes - KLIMOV, Andrei B. - DE GUISE, Hubert. Correspondence rules for Wigner functions over SU(3)/U(2). In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2019, vol. 52, no. 28, 285202., Registrované v: WOS

- ADCA207 BANDŽUCH, Peter - MORHÁČ, Miroslav - KRIŠTIÁK, Jozef. Study of the Van Cittert and Gold iterative methods of deconvolution and their application in the deconvolution of experimental spectra of positron annihilation. In Nuclear Instruments and Methods in Physics Research A. Accelerators, Spectrometers, Detectors and Associated Equipment, 1997, vol. 384, no. 2-3, p. 506-515. (1996: 1.038 - IF, karentované - CCC). (1997 - Current Contents, SCOPUS). ISSN 0168-9002. Dostupné na: [https://doi.org/10.1016/S0168-9002\(96\)00874-1](https://doi.org/10.1016/S0168-9002(96)00874-1)

Citácie:

1. [1.1] ALIZADEH, Davood - ASHRAFI, Saleh. New hybrid metaheuristic algorithm for scintillator gamma ray spectrum analysis. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, 2019, vol. 915, pp. 1-9., Registrované v: WOS

- ADCA208 BARTOSIK, M. - DANIEL, R. - MITTERRER, C. - MAŤKO, Igor - BURGHAMMER, M. - MAYRHOFFER, 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. (2012: 1.604 - IF, Q2 - JCR, 0.897 - SJR, Q1 - SJR, karentované - CCC). (2013 - Current Contents). ISSN 0040-6090. Dostupné na: <https://doi.org/10.1016/j.tsf.2013.05.102>

Citácie:

1. [1.1] SPERR, M. - ZHANG, Z. L. - IVANOV, Y. P. - MAYRHOFFER, P. H. - BARTOSIK, M. Correlating elemental distribution with mechanical properties of TiN/SiNx nanocomposite coatings. In SCRIPTA MATERIALIA. ISSN 1359-6462, 2019, vol. 170, pp. 20-23., Registrované v: WOS

- ADCA209 BARTOŠ, Erik - DUBNIČKA, Stanislav - DUBNIČKOVÁ, A.Z.** - HAYASHII, H. The mass and width differences of the neutral and charged $\rho(770)$, $\rho(1450)$ and $\rho(1700)$ mesons from $e^+e^- \rightarrow \pi^+\pi^-$ and $\tau^- \rightarrow \pi^-\pi^0$ processes. In International Journal of Modern Physics A, 2017, vol. 32, no. 25, art. no. 1750154. (2016: 1.597 - IF, Q2 - JCR, 1.054 - SJR, Q1 - SJR, karentované - CCC). (2017 - Current Contents). ISSN 0217-751X. Dostupné na: <https://doi.org/10.1142/S0217751X17501548>

Citácie:

1. [1.1] GONZALEZ-SOLIS, Sergi - ROIG, Pablo. A dispersive analysis of the pion vector form factor and $\tau(-) \rightarrow K^- K^0 S \nu(\tau)$ decay. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2019, vol. 79, no. 5, 436., Registrované v: WOS

- ADCA210 BARTOŠ, Erik - DUBNIČKA, Stanislav - LIPTAJ, Andrej - DUBNIČKOVÁ, Z. A. - KAMINSKI, R. What are the correct $\rho(0)(770)$ meson mass and width values? In Physical Review D, 2017, vol. 96, no. 11, 113004. (2016: 4.557 - IF, Q1 - JCR, 2.115 - SJR, Q1 - SJR, karentované - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 1550-7998.

Citácie:

1. [1.1] NESTERENKO, A. Explicit form of the R-ratio of electron-positron

annihilation into hadrons. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2019, vol. 46, no. 11, 115006., Registrované v: WOS

- ADCA211 BARTOŠ, Josef - ŠAUŠA, Ondrej - KRIŠTIAK, Jozef - BLOCHOWICZ, T. - RÖSSLER, E. Free-volume microstructure of glycerol and its supercooled liquid-state dynamics. In Journal of Physics: Condensed Matter, 2001, vol. 13, no. 50, p. 11473-11484. (2000: 1.608 - IF, karentované - CCC). (2001 - Current Contents, WOS, SCOPUS). ISSN 0953-8984. Dostupné na: <https://doi.org/10.1088/0953-8984/13/50/307>

Citácie:

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

- ADCA212 BARTOŠ, Josef - ŠAUŠA, Ondrej - RAČKO, Dušan - KRIŠTIAK, Jozef - FONTANELLA, J.J. Positron annihilation lifetime response and relaxation dynamics in glycerol. In Journal of Non-Crystalline Solids, 2005, vol. 351, no. 33-36, p. 2599-2604. (2004: 1.433 - IF, karentované - CCC). (2005 - Current Contents, SCOPUS). ISSN 0022-3093. Dostupné na: <https://doi.org/10.1016/j.jnoncrysol.2005.04.084>

Citácie:

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

- ADCA213 BARTOŠ, Josef - KRIŠTIAK, Jozef. Free volume aspects of the strong-fragile classification of polymer liquids. In Journal of Non-Crystalline Solids, 1998, vol. 235, p. 293 -295. (1997: 1.017 - IF, karentované - CCC). (1998 - Current Contents, WOS, SCOPUS). ISSN 0022-3093.

Citácie:

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

- ADCA214 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. (1996: 3.331 - IF, karentované - CCC). (1997 - Current Contents). ISSN 0024-9297.

Citácie:

1. [1.1] CHEN, X.X. - HUANG, L. - DONG, C.J. - NIU, L.H. - ZHANG, Y. - CHEN, Z. Influence of Vinyl Acetate Content on the Surface Hydrophobic Recovery of Ethylene Vinyl Acetate Copolymer after Plasma Modification. In CHEMISTRYSELECT. ISSN 2365-6549, FEB 7 2019, vol. 4, no. 5, p. 1763-1765., Registrované v: WOS

- ADCA215 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.

Citácie:

1. [1.1] SANDITOV, D.S. - MASHANOV, A.A. Atom Delocalization and

Fluctuation Hole Formation in Amorphous Organic Polymers and Inorganic Glasses. In POLYMER SCIENCE SERIES A. ISSN 0965-545X, MAR 2019, vol. 61, no. 2, p. 119-127., Registrované v: WOS

- ADCA216 BARTOŠ, Josef - ŠVAJDLENKOVÁ, Helena - ŠAUŠA, Ondrej - LUKEŠOVÁ, Miroslava - EHLERS, D. - MICHL, M. - LUNKENHEIMER, P. - LOIDL, A. Molecular probe dynamics and free volume in organic glass-formers and their relationships to structural relaxation: 1-propanol. In Journal of Physics: Condensed Matter, 2016, vol. 28, no. 1, 015101. (2015: 2.209 - IF, Q2 - JCR, 1.043 - SJR, Q1 - SJR, karentované - CCC). (2016 - Current Contents). ISSN 0953-8984. Dostupné na: <https://doi.org/10.1088/0953-8984/28/1/015101>

Citácie:

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

- ADCA217 BARTOŠ, Josef - ŠAUŠA, Ondrej - KOHLER, M. - ŠVAJDLENKOVÁ, Helena - LUNKENHEIMER, P. - KRIŠTIK, Jozef - LOIDL, A. Positron annihilation and broadband dielectric spectroscopy : A series of propylene glycols. In Journal of Non-Crystalline Solids, 2011, vol. 357, p. 376 - 384. (2010: 1.492 - IF, Q1 - JCR, 0.910 - SJR, Q1 - SJR, karentované - CCC). (2011 - Current Contents, SCOPUS). ISSN 0022-3093. Dostupné na: <https://doi.org/10.1016/j.jnoncrysol.2010.07.030>

Citácie:

1. [1.1] ARAUJO, S. - DELPOUVE, N. - DOMENEK, S. - GUINAULT, A. - GOLOVCHAK, R. - SZATANIK, R. - INGRAM, A. - FAUCHARD, C. - DELBREILH, L. - DARGENT, E. Cooperativity Scaling and Free Volume in Plasticized Polylactide. In MACROMOLECULES. ISSN 0024-9297, AUG 27 2019, vol. 52, no. 16, pp. 6107-6115., Registrované v: WOS

- ADCA218 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, 164507, p. 1-10. (2010: 2.921 - IF, Q1 - JCR, 1.777 - SJR, Q1 - SJR, karentované - CCC). (2011 - Current Contents). ISSN 0021-9606. Dostupné na: <https://doi.org/10.1140/epje/i2011-11104-x>

Citácie:

1. [1.1] THANGSWAMY, M. - DUTTA, D. - MAHESHWARI, P. - SEN, D. - PUJARI, P.K. Energetics of ice nucleation in mesoporous titania using positron annihilation spectroscopy. In PHYSICAL CHEMISTRY CHEMICAL PHYSICS. ISSN 1463-9076, 2019, vol. 21, no. 11, pp. 6033-6041., Registrované v: WOS

- ADCA219 BARTOŠ, Josef - ANDREOZZI, L. - FAETTI, M. - ŠAUŠA, Ondrej - RAČKO, Dušan - KRIŠTIK, Jozef. Free volume in poly(propylene glycol) and its relationships to spin probe reorientation. In Journal of Non-Crystalline Solids, 2006, vol. 352, no. 42-49, p. 4785-4789. (2005: 1.264 - IF, Q1 - JCR, 1.003 - SJR, Q1 - SJR, karentované - CCC). (2006 - Current Contents, SCOPUS). ISSN 0022-3093. Dostupné na: <https://doi.org/10.1016/j.jnoncrysol.2006.02.165>

Citácie:

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

- ADCA220 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. (2009: 3.475 - IF, 3.107 - SJR, Q1 - SJR, karentované - CCC). (2010 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.82.045311>

Citácie:

1. [1.1] RAMIREZ, Hanz Y. - CHOU, Ying-Lin - CHENG, Shun-Jen. *Effects of electrostatic environment on the electrically triggered production of entangled photon pairs from droplet epitaxial quantum dots. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2019, vol. 9, 1547., Registrované v: WOS*

ADCA221 BARZAKH, A.E. - ANDREYEV, A.N. - COCOLIOS, T.E. - DE GROOTE, R. P. - FEDOROV, D. V. - FEDOSSEEV, V. N. - FERRER, R. - FINK, D. A. - GHYS, L. - HUYSE, M. - KOSTER, U. - LANE, J. - LIBERATI, V. - LYNCH, K. M. - MARCH, B. A. - MOLKANOV, P. L. - PROCTER, T. J. - RAPISARDA, E. - ROTHE, S. - SANDHU, K. - SELIVERSTOV, M. D. - SJODIN, A. M. - VAN BEVEREN, C. - VAN DUPPEN, P. - VENHART, Martin - VESELSKÝ, Martin. Changes in mean-squared charge radii and magnetic moments of 179-184Tl measured by in-source laser spectroscopy. In *Physical Review C*, 2017, vol. 95, no. 1, art. no. 014324. (2016: 3.820 - IF, Q1 - JCR, 1.936 - SJR, Q1 - SJR, karentované - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.95.014324>

Citácie:

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

ADCA222 BAVARESCO, Jessica - HERRERA VALENCIA, Natalia - KLÖCKL, Claude - PIVOLUSKA, Matej - ERKER, Paul - FRIIS, Nicolai** - MALIK, Mehul** - HUBER, Marcus**. Measurements in two bases are sufficient for certifying high-dimensional entanglement. In *Nature Physics*, 2018, vol. 14, no. 10, p. 1032-1037. (2017: 22.727 - IF, Q1 - JCR, 9.791 - SJR, Q1 - SJR, karentované - CCC). (2018 - Current Contents). ISSN 1745-2473. Dostupné na: <https://doi.org/10.1038/s41567-018-0203-z>

Citácie:

1. [1.1] ASBAN, Shahaf - MUKAMEL, Shaul. *Scattering-Based Geometric Shaping of Photon-Photon Interactions. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 123, no. 26., Registrované v: WOS*

2. [1.1] COZZOLINO, Daniele - BACCO, Davide - DA LIO, Beatrice - INGERSLEV, Kasper - DING, Yunhong - DALGAARD, Kjeld - KRISTENSEN, Poul - GALILI, Michael - ROTTWITT, Karsten - RAMACHANDRAN, Siddharth - OXENLOWE, Leif Katsuo. *Orbital Angular Momentum States Enabling Fiber-based High-dimensional Quantum Communication. In PHYSICAL REVIEW APPLIED. ISSN 2331-7019, 2019, vol. 11, no. 6, 064058., Registrované v: WOS*

3. [1.1] GUO, Yu - CHENG, Shuming - HU, Xiaomin - LIU, Bi-Heng - HUANG, En-Ming - HUANG, Yun-Feng - LI, Chuan-Feng - GUO, Guang-Can - CAVALCANTI, Eric G. *Experimental Measurement-Device-Independent Quantum Steering and Randomness Generation Beyond Qubits. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 123, no. 17, 170402., Registrované v: WOS*

4. [1.1] LIU, Shilong - LIU, Shikai - YANG, Chen - XU, Zhaohuai - LI, Yinhai - LI, Yan - ZHOU, Zhiyuan - GUO, Guangcan - SHI, Baosen. *Classical simulation of high-dimensional entanglement by non-separable angular-radial modes. In OPTICS EXPRESS. ISSN 1094-4087, 2019, vol. 27, no. 13, pp. 18363-18375., Registrované v: WOS*

5. [1.1] SAGGIO, Valeria - DIMIC, Aleksandra - GREGANTI, Chiara -

ROZEMA, Lee A. - WALTHER, Philip - DAKIC, Borivoje. Experimental few-copy multipartite entanglement detection. In NATURE PHYSICS. ISSN 1745-2473, 2019, vol. 15, no. 9, pp. 935-+, Registrované v: WOS

6. [1.1] SCHNEELOCH, James - TISON, Christopher C. - FANTO, Michael L. - ALSING, Paul M. - HOWLAND, Gregory A. Quantifying entanglement in a 68-billion-dimensional quantum state space. In NATURE COMMUNICATIONS. ISSN 2041-1723, 2019, vol. 10, 2785., Registrované v: WOS

7. [1.1] SCIARA, Stefania - REIMER, Christian - KUES, Michael - RORTOCKI, Piotr - CINO, Alfonso - MOSS, David J. - CASPANI, Lucia - MUNRO, William J. - MORANDOTTI, Roberto. Universal N-Partite d-Level Pure-State Entanglement Witness Based on Realistic Measurement Settings. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 122, no. 12, 120501., Registrované v: WOS

8. [1.1] SORELLI, Giacomo - LEONHARD, Nina - SHATOKHIN, Vyacheslav N. - REINLEIN, Claudia - BUCHLEITNER, Andreas. Entanglement protection of high-dimensional states by adaptive optics. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2019, vol. 21, 023003., Registrované v: WOS

9. [1.1] TONINELLI, Ermes - NDAGANO, Bienvenu - VALLES, Adam - SEPHTON, Bereneice - NAPE, Isaac - AMBROSIO, Antonio - CAPASSO, Federico - PADGETT, Miles J. - FORBES, Andrew. Concepts in quantum state tomography and classical implementation with intense light: a tutorial. In ADVANCES IN OPTICS AND PHOTONICS. ISSN 1943-8206, 2019, vol. 11, no. 1, pp. 67-134., Registrované v: WOS

10. [1.1] VERGYRIS, Panagiotis - MAZEAS, Florent - GOUZIEN, Elie - LABONTE, Laurent - ALIBART, Olivier - TANZILLI, Sebastien - KAISER, Florian. Fibre based hyperentanglement generation for dense wavelength division multiplexing. In QUANTUM SCIENCE AND TECHNOLOGY. ISSN 2058-9565, 2019, vol. 4, no. 4, 045007., Registrované v: WOS

11. [1.1] XIA, Zheng-Tong. Nonexotic-exotic bipartite mode entanglements of an SU(3) baryon. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2019, vol. 989, pp. 97-116., Registrované v: WOS

12. [1.1] ZHOU, Yiyu - MIRHOSSEINI, Mohammad - OLIVER, Stone - ZHAO, Jiapeng - RAFSANJANI, Seyed Mohammad Hashemi - LAVERY, Martin P. J. - WILLNER, Alan E. - BOYD, Robert W. Using all transverse degrees of freedom in quantum communications based on a generic mode sorter. In OPTICS EXPRESS. ISSN 1094-4087, 2019, vol. 27, no. 7, pp. 10383-10394., Registrované v: WOS

ADCA223 BELIČKA, M. - DUBNIČKA, Stanislav - DUBNIČKOVÁ, A.Z. - LIPTAJ, Andrej. Rigorous pion electromagnetic form factor behavior in the spacelike region. In Physical Review C. Nuclear physics, 2011, vol. 83, no. 2, 028201. (2010: 3.416 - IF, 2.409 - SJR, Q1 - SJR, karentované - CCC). (2011 - Current Contents). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.83.028201>

Citácie:

1. [1.1] KROLL, P. Hard exclusive processes involving kaons. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2019, vol. 55, no. 5, 76., Registrované v: WOS

ADCA224 BENGUS, V.Z. - TABACHNIKOVA, E.D. - DUHAJ, Pavol - OCELIK, V. Low temperature mechanical properties of metallic glasses- Connection with structure. In Materials Science and Engineering A - Structural Materials Properties Microstructure and Processing, 1997, vol. 226, p. 823-832. (1996: 0.852 - IF, karentované - CCC). (1997 - Current Contents, WOS, SCOPUS). ISSN 0921-5093. Dostupné na: [https://doi.org/10.1016/s0921-5093\(97\)80086-x](https://doi.org/10.1016/s0921-5093(97)80086-x)

Citácie:

1. [1.1] HASANI, S. - REZAEI-SHAHREZA, P. - SEIFODDINI, A. *Effect of Cu Presence on Evolution of Mechanical and Magnetic Properties in a Novel Fe-Based Bulk Metallic Glass During Partial Annealing Process. In METALLURGICAL AND MATERIALS TRANSACTIONS A-PHYSICAL METALLURGY AND MATERIALS SCIENCE. ISSN 1073-5623, 2019, vol. 50A, no. 1, pp. 63-71., Registrované v: WOS*
- ADCA225 BENKOVIČOVÁ, Monika** - HOLOŠ, Ana - NÁDAŽDY, Peter - HALAHOVETS, Yuriy - KOTLÁR, Mário - KOLLÁR, Jozef - ŠIFFALOVICH, Peter - JERSEL, Matej - MAJKOVÁ, Eva - MOSNÁČEK, Jaroslav - IVANČO, Ján. Tailoring the interparticle distance in Langmuir nanoparticle films. In Physical Chemistry Chemical Physics, 2019, vol. 21, no. 18, p. 9553-9563. (2018: 3.567 - IF, Q1 - JCR, 1.310 - SJR, Q1 - SJR, karentované - CCC). (2019 - Current Contents). ISSN 1463-9076. Dostupné na: <https://doi.org/10.1039/c9cp02064k>
- Citácie:
1. [1.1] REIK, M. - CALABRO, M. - GRIESEMER, S. - BARRY, E. - BU, W. - LIN, B. - RICE, S.A. *The influence of fractional surface coverage on the core-core separation in ordered monolayers of thiol-ligated Au nanoparticles. In SOFT MATTER. ISSN 1744-683X, NOV 21 2019, vol. 15, no. 43, p. 8800-8807., Registrované v: WOS*
- ADCA226 BENKOVIČOVÁ, Monika - VÉGSO, Karol - ŠIFFALOVICH, Peter - JERSEL, Matej - LUBY, Štefan - MAJKOVÁ, Eva. Preparation of gold nanoparticles for plasmonic applications. In Thin Solid Films, 2013, vol. 543, p. 138-141. (2012: 1.604 - IF, Q2 - JCR, 0.897 - SJR, Q1 - SJR, karentované - CCC). (2013 - Current Contents). ISSN 0040-6090. Dostupné na: <https://doi.org/10.1016/j.tsf.2013.01.048>
- Citácie:
1. [1.1] DHANUNJAYA, M. - KUMAR, K. Vinod - MANIKANTHABABU, N. - RAO, S. V. S. Nageswara - PATHAK, A. P. *Swift heavy ion irradiation assisted Si nanoparticle formation in HfSiOx nano-composite thin films deposited by RF magnetron sputtering method. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS. ISSN 0168-583X, 2019, vol. 446, pp. 37-42., Registrované v: WOS*
2. [1.1] LIU, Yuxiu - LIU, Qing - LIU, Yingen - JU, Fuxia - MA, Qinghua - HE, Qin. *In vivo evaluation of enhanced drug carrier efficiency and cardiac anti-hypertrophy therapeutic potential of nano-curcumin encapsulated photo-plasmonic nanoparticles combined polymerized nano-vesicles: A novel strategy. In JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY B-BIOLOGY. ISSN 1011-1344, 2019, vol. 199, 111619., Registrované v: WOS*
- ADCA227 BENKOVIČOVÁ, Monika - VÉGSO, Karol - ŠIFFALOVICH, Peter - JERSEL, Matej - MAJKOVÁ, Eva - LUBY, Štefan - ŠATKA, A. Preparation of sterically stabilized gold nanoparticles for plasmonic applications. In Chemical Papers, 2013, vol. 67, no. 9, p. 1225-1230. (2012: 0.879 - IF, Q3 - JCR, 0.301 - SJR, karentované - CCC). (2013 - Current Contents). ISSN 0366-6352. Dostupné na: <https://doi.org/10.2478/s11696-013-0315-y>
- Citácie:
1. [1.1] MALEKI, Nasim - KASHANIAN, Soheila - NAZARI, Maryam - SHAHABADI, Nahid. *A Novel and Enhanced Membrane-Free Performance of Glucose/O-2 Biofuel Cell, Integrated With Biocompatible Laccase Nanoflower Biocathode and Glucose Dehydrogenase Bioanode. In IEEE SENSORS JOURNAL. ISSN 1530-437X, 2019, vol. 19, no. 24, pp. 11988-11994., Registrované v: WOS*
- ADCA228 BERGOU, J.A. - BUŽEK, Vladimír - FELDMAN, E. - HERZOG, U. - HILLERY, M. Programmable quantum-state discriminators with simple programs. In Physical

Review A, 2006, vol. 73, no. 6, 062334. (2005: 2.997 - IF, Q1 - JCR, 1.394 - SJR, Q1 - SJR, karentované - CCC). (2006 - Current Contents, SCOPUS). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.73.062334>

Citácie:

1. [1.1] SPEDALIERI, Gaetana - LUPO, Cosmo - BRAUNSTEIN, Samuel L. - PIRANDOLA, Stefano. Thermal quantum metrology in memoryless and correlated environments. In *QUANTUM SCIENCE AND TECHNOLOGY*. ISSN 2058-9565, 2019, vol. 4, no. 1, 015008., Registrované v: WOS

ADCA229 BERTHOLD, R. - KREINER, G. - BURKHARDT, U. - HOFFMANN, S. - AUFFERMANN, G. - PROTS, Y. - DASHJAV, E. - AMARSANAA, A. - MIHALKOVIČ, Marek. Crystal structure and phase stability of the Phi phase in the Al-Mg-Zn system. In *Intermetallics*, 2013, vol. 32, p. 259-273. (2012: 1.857 - IF, Q1 - JCR, 1.286 - SJR, Q1 - SJR, karentované - CCC). (2013 - Current Contents). ISSN 0966-9795. Dostupné na: <https://doi.org/10.1016/j.intermet.2012.08.025>

Citácie:

1. [1.1] METALNIKOV, Polina - BEN-HAMU, Guy - SHIN, Kwang Seon. Relation Between Zn Additions, Microstructure and Corrosion Behavior of New Wrought Mg-5Al Alloys. In *METALS AND MATERIALS INTERNATIONAL*. ISSN 1598-9623, 2019, vol., no., pp., Registrované v: WOS

ADCA230 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.

Citácie:

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

ADCA231 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 $^{112}\text{Sn}(n, 2n)^{111}\text{Sn}$ -. ^{111}In . In *Radiochimica Acta*, 2005, vol. 93, no. 6, p. 311-326. Dostupné na: <https://doi.org/10.1007/s10894-016-0066-1>

Citácie:

1. [1.1] BUYUKUSLU, Halim - KAPLAN, Abdullah. EVALUATED EMPIRICAL SYSTEMATICS OF $(n, n\alpha)$ REACTION CROSS-SECTIONS AT 14 15 MeV INCIDENT ENERGY. In *NUCLEAR PHYSICS AND ATOMIC ENERGY*. ISSN 1818-331X, 2019, vol. 20, no. 3, pp. 235-242., Registrované v: WOS

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

ADCA232 BISIO, A. - D'ARIANO, G.M. - PERINOTTI, P. - SEDLÁK, Michal. Optimal processing of reversible quantum channels. In *Physics Letters A*, 2014, vol. 378, no. 26-27, p. 1797-1808. (2013: 1.626 - IF, Q2 - JCR, 0.631 - SJR, karentované - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 0375-9601. Dostupné na: <https://doi.org/10.1016/j.physleta.2014.04.042>

Citácie:

1. [1.1] MO, Yin - CHIRIBELLA, Giulio. Quantum-enhanced learning of rotations about an unknown direction. In *NEW JOURNAL OF PHYSICS*. ISSN 1367-2630, 2019, vol. 21, no. 11, 113003., Registrované v: WOS

2. [1.1] *QUINTINO, Marco Tulio - DONG, Qingxiuxiong - SHIMBO, Atsushi - SOEDA, Akihito - MURAO, Mio. Probabilistic exact universal quantum circuits for transforming unitary operations. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 6, 062339., Registrované v: WOS*

ADCA233 *BISIO, A. - D'ARIANO, G.M. - PERINOTTI, P. - SEDLÁK, Michal. Quantum learning algorithms for quantum measurements. In Physics Letters A, 2011, vol. 375, no. 39, p. 3425-3434. (2010: 1.963 - IF, Q2 - JCR, 0.932 - SJR, Q2 - SJR, karentované - CCC). (2011 - Current Contents). ISSN 0375-9601. Dostupné na: <https://doi.org/10.1016/j.physleta.2011.08.002>*

Citácie:

1. [1.1] *GYONGYOSI, Laszlo - IMRE, Sandor. A Survey on quantum computing technology. In COMPUTER SCIENCE REVIEW. ISSN 1574-0137, 2019, vol. 31, pp. 51-71., Registrované v: WOS*

2. [1.1] *MO, Yin - CHIRIBELLA, Giulio. Quantum-enhanced learning of rotations about an unknown direction. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2019, vol. 21, no. 11, 113003., Registrované v: WOS*

3. [1.1] *SENTIS, Gael - MONRAS, Alex - MUNOZ-TAPIA, Ramon - CALSAMIGLIA, John - BAGAN, Emilio. Unsupervised Classification of Quantum Data. In PHYSICAL REVIEW X. ISSN 2160-3308, 2019, vol. 9, no. 4, 041029., Registrované v: WOS*

ADCA234 *BLUME, C. - AFANASIEV, S.V. - ANTICIC, T. - BAATAR, B. - BARNA, D. - FILIP, Peter. Results on correlations and fluctuations from NA49. In Nuclear Physics A, 2003, vol. 715, p. 55C-64C. (2003 - Current Contents, SCOPUS). ISSN 0375-9474. Dostupné na: [https://doi.org/10.1016/S0375-9474\(02\)01413-6](https://doi.org/10.1016/S0375-9474(02)01413-6)*

Citácie:

1. [1.1] *ANDRONOV, E. V. - KOVALENKO, V. N. Strongly Intensive Fluctuations Between the Multiplicity and the Total Transverse Momentum in pp Interactions in the Multipomeron Exchange Approach. In THEORETICAL AND MATHEMATICAL PHYSICS. ISSN 0040-5779, 2019, vol. 200, no. 3, pp. 1282-1293., Registrované v: WOS*

2. [1.1] *RAY, R. L. - JENTSCH, A. Phenomenological models of two-particle correlation distributions on transverse momentum in relativistic heavy-ion collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 2, 024911., Registrované v: WOS*

3. [1.1] *SIRUNYAN, A. M. - TUMASYAN, A. - ADAM, W. - et al. Centrality and pseudorapidity dependence of the transverse energy density in pPb collisions at $\sqrt{s(NN)}=5.02$ TeV. In PHYSICAL REVIEW C, 2019, vol. 100, no. 2, 024902., Registrované v: WOS*

ADCA235 *BODIK, Michal - ZAHORANOVÁ, Anna - MIČUŠÍK, Matej - BUGÁROVÁ, Nikola - ŠPITÁLSKY, Zdenko - OMASTOVÁ, Mária - MAJKOVÁ, Eva - JERGEL, Matej - ŠIFFALOVIC, Peter. Fast low-temperature plasma reduction of monolayer graphene oxide at atmospheric pressure. In Nanotechnology, 2017, vol. 28, art. no. 145601. (2016: 3.440 - IF, Q1 - JCR, 1.339 - SJR, Q1 - SJR, karentované - CCC). (2017 - Current Contents). ISSN 0957-4484. Dostupné na: <https://doi.org/10.1088/1361-6528/aa60ef>*

Citácie:

1. [1.1] *FERRARI, A.G.M. - BROWNSON, D.A.C. - BANKS, C.E. Investigating the Integrity of Graphene towards the Electrochemical Oxygen Evolution Reaction. In CHEMELECTROCHEM. ISSN 2196-0216, OCT 31 2019, vol. 6, no. 21, p. 5446-5453., Registrované v: WOS*

2. [1.1] *SAHOO, S.K. - MALLIK, A. Fundamentals of Fascinating Graphene Nanosheets: A Comprehensive Study. In NANO. ISSN 1793-2920, MAR 2019, vol.*

14, no. 3., Registrované v: WOS

ADCA236 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.

Citácie:

1. [1.1] FAJSTAVR, Dominik - PISLOVA, Marketa - SLEPICKA, Petr - SVORCIK, Vaclav. PREPARATION OF COMPOSITE PERIODIC METAL-POLYMER NANOSTRUCTURES. In 10TH ANNIVERSARY INTERNATIONAL CONFERENCE ON NANOMATERIALS RESEARCH & APPLICATION (NANOCON 2018 (R)), 2019, pp. 289-294., Registrované v: WOS

2. [1.1] FAJSTAVR, Dominik - SLEPICKA, Petr - SVORCIK, Vaclav. LIPSS with gold nanoclusters prepared by combination of heat treatment and KrF exposure. In APPLIED SURFACE SCIENCE. ISSN 0169-4332, 2019, vol. 465, pp. 919-928., Registrované v: WOS

ADCA237 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. (1999: 1.293 - IF, karentované - CCC). (2000 - Current Contents, SCOPUS). ISSN 0034-6748.

Citácie:

1. [1.1] JANNOT, Yves - SCHAEFER, Sebastien - DEGIOVANNI, Alain - BIANCHIN, Jeremy - FIERRO, Vanessa - CELZARD, Alain. A new method for measuring the thermal conductivity of small insulating samples. In REVIEW OF SCIENTIFIC INSTRUMENTS. ISSN 0034-6748, 2019, vol. 90, no. 5, 054901., Registrované v: WOS

2. [1.1] MALINARIC, Svetozar - DIESKA, Peter. Stepwise Transient Method and Transient Plane Source Method Comparison. In CENTRAL EUROPEAN SYMPOSIUM ON THERMOPHYSICS 2019 (CEST). ISSN 0094-243X, 2019, vol. 2133, 020024., Registrované v: WOS

3. [1.1] MARUZHENKO, Oleksii - MAMUNYA, Yevgen - BOITEUX, Gisele - PUSZ, Slawomira - SZELUGA, Urszula - PRUVOST, Sebastien. Improving the thermal and electrical properties of polymer composites by ordered distribution of carbon micro- and nanofillers. In INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER. ISSN 0017-9310, 2019, vol. 138, pp. 75-84., Registrované v: WOS

4. [1.1] MIRANDA, M. M. - MATOS, C. R. - RODRIGUES, N. V. - PEREIRA, A. J. S. C. - COSTA, J. J. Effect of temperature on the thermal conductivity of a granite with high heat production from Central Portugal. In JOURNAL OF IBERIAN GEOLOGY. ISSN 1698-6180, 2019, vol. 45, no. 1, pp. 147-161., Registrované v: WOS

5. [1.1] NYAZIKA, Tatenda - JIMENEZ, Maude - SAMYN, Fabienne - BOURBIGOT, Serge. Pyrolysis modeling, sensitivity analysis, and optimization techniques for combustible materials: A review. In JOURNAL OF FIRE SCIENCES. ISSN 0734-9041, 2019, vol. 37, no. 4-6, pp. 377-433., Registrované v: WOS

6. [1.1] SWAMY, M. C. Kumar - SATYANARAYAN. A Review of the Performance and Characterization of Conventional and Promising Thermal Interface Materials for Electronic Package Applications. In JOURNAL OF ELECTRONIC MATERIALS. ISSN 0361-5235, 2019, vol. 48, no. 12, pp. 7623-7634., Registrované v: WOS

7. [1.1] WANG, Hanfu - CHU, Weiguo - CHEN, Guangming. A Brief Review on

Measuring Methods of Thermal Conductivity of Organic and Hybrid Thermoelectric Materials. In ADVANCED ELECTRONIC MATERIALS. ISSN 2199-160X, 2019, vol. 5, no. 11, 1900167., Registrované v: WOS

- ADCA238 BONANOME, M. - BUŽEK, Vladimír - HILLERY, M. - ZIMAN, Mário. Toward protocols for quantum-ensured privacy and secure voting. In Physical Review A, 2011, vol. 84, no. 2, 022331. (2010: 2.861 - IF, Q1 - JCR, 2.400 - SJR, Q1 - SJR, karentované - CCC). (2011 - Current Contents). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.84.022331>

Citácie:

1. [1.1] *Ji, ZhaoXu - ZHANG, HuanGuo - WANG, HouZhen - WU, FuSheng - JIA, JianWei - WU, WanQing. Quantum protocols for secure multi-party summation. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2019, vol. 18, no. 6, 168., Registrované v: WOS*
2. [1.1] *LI, Chaoyang - CHEN, Xiubo - LI, Hengji - YANG, Yuguang - LI, Jian. Efficient quantum private comparison protocol based on the entanglement swapping between four-qubit cluster state and extended Bell state. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2019, vol. 18, no. 5, 158., Registrované v: WOS*
3. [1.1] *WANG, Sheng-lan - ZHANG, Shun - WANG, Qing - SHI, Run-hua. Fault-Tolerant Quantum Anonymous Voting Protocol. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2019, vol. 58, no. 3, pp. 1008-1016., Registrované v: WOS*
4. [1.1] *ZHANG, Huanguo - JI, Zhaoxu - WANG, Houzhen - WU, Wanqing. Survey on Quantum Information Security. In CHINA COMMUNICATIONS. ISSN 1673-5447, 2019, vol. 16, no. 10, pp. 1-36., Registrované v: WOS*
5. [1.1] *ZHANG, Shun - WANG, Sheng-lan - WANG, Qing - SHI, Run-hua. Quantum Anonymous Voting Protocol with the Privacy Protection of the Candidate. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2019, vol. 58, no. 10, pp. 3323-3332., Registrované v: WOS*

- ADCA239 BOUDA, A. - PIVOLUSKA, M. - PLESCH, Martin. Improving the Hadamard extractor. In Theoretical Computer Science, 2012, vol. 459, p. 69-76. (2011: 0.665 - IF, Q3 - JCR, 0.747 - SJR, Q1 - SJR, karentované - CCC). (2012 - Current Contents). ISSN 0304-3975. Dostupné na: <https://doi.org/10.1016/j.tcs.2012.07.030>

Citácie:

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

- ADCA240 BOUDA, J. - BUŽEK, Vladimír. Entanglement swapping between multi-qudit systems. In Journal of Physics A, 2001, vol. 34, no. 20, p. 4301-4311. ISSN 1751-8113. Dostupné na: <https://doi.org/10.1088/0305-4470/34/20/304>

Citácie:

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

- ADCA241 BOUDA, J. - PAWLOWSKI, M. - PIVOLUSKA, M. - PLESCH, Martin. Device-independent randomness extraction from an arbitrarily weak min-entropy source. In Physical Review A, 2014, vol. 90, no. 3, 032313. (2013: 2.991 - IF, Q1 - JCR, 2.317 - SJR, karentované - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.90.032313>

Citácie:

1. [1.1] COOPMANS, Tim - KANIEWSKI, Jędrzej - SCHAFFNER, Christian. Robust self-testing of two-qubit states. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2019, vol. 99, no. 5, 052123., Registrované v: WOS
2. [1.1] CURCHOD, Florian J. - ALMEIDA, Mafalda L. - ACIN, Antonio. A versatile construction of Bell inequalities for the multipartite scenario. In *NEW JOURNAL OF PHYSICS*. ISSN 1367-2630, 2019, vol. 21, 023016., Registrované v: WOS
3. [1.1] KANIEWSKI, Jędrzej - SUPIC, Ivan - TURA, Jordi - BACCARI, Flavio - SALAVRAKOS, Alexia - AUGUSIAK, Remigiusz. Maximal nonlocality from maximal entanglement and mutually unbiased bases, and self-testing of two-qutrit quantum systems. In *QUANTUM*. ISSN 2521-327X, 2019, vol. 3., Registrované v: WOS

ADCA242 BOUDA, J. - PIVOLUSKA, M. - PLESCH, Martin - WILMOTT, C. Weak randomness seriously limits the security of quantum key distribution. In *Physical Review A*, 2012, vol. 86, no. 6, 062308. (2011: 2.878 - IF, Q1 - JCR, 2.316 - SJR, Q1 - SJR, karentované - CCC). (2012 - Current Contents). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.86.062308>

Citácie:

1. [1.1] GUO, Xiaomin - CHENG, Chen - WU, Mingchuan - GAO, Qingzhong - LI, Pu - GUO, Yanqiang. Parallel real-time quantum random number generator. In *OPTICS LETTERS*. ISSN 0146-9592, 2019, vol. 44, no. 22, pp. 5566-5569., Registrované v: WOS
2. [1.1] XU, Bingjie - CHEN, Ziyang - LI, Zhengyu - YANG, Jie - SU, Qi - HUANG, Wei - ZHANG, Yichen - GUO, Hong. High speed continuous variable source-independent quantum random number generation. In *QUANTUM SCIENCE AND TECHNOLOGY*. ISSN 2058-9565, 2019, vol. 4, no. 2, 025013., Registrované v: WOS
3. [1.1] ZHANG, Chun-Mei - WANG, Wen-Bo - LI, Hong-Wei - WANG, Qin. Weak randomness impacts the security of reference-frame-independent quantum key distribution. In *OPTICS LETTERS*. ISSN 0146-9592, 2019, vol. 44, no. 5, pp. 1226-1229., Registrované v: WOS
4. [1.1] ZHENG, Ziyong - ZHANG, Yichen - HUANG, Weinan - YU, Song - GUO, Hong. 6 Gbps real-time optical quantum random number generator based on vacuum fluctuation. In *REVIEW OF SCIENTIFIC INSTRUMENTS*. ISSN 0034-6748, 2019, vol. 90, no. 4, 043105., Registrované v: WOS

ADCA243 BRAUNSTEIN, S.L. - BUŽEK, Vladimír - HILLERY, M. Quantum-information distributors: Quantum network for symmetric and asymmetric cloning in arbitrary dimension and continuous limit. In *Physical Review A*, 2001, vol. 63, no. 5, 052313. (2000: 2.684 - IF). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.63.052313>

Citácie:

1. [1.1] CARMELI, Claudio - HEINOSAARI, Teiko - MIYADERA, Takayuki - TOIGO, Alessandro. Witnessing incompatibility of quantum channels. In *JOURNAL OF MATHEMATICAL PHYSICS*. ISSN 0022-2488, 2019, vol. 60, no. 12, 122202., Registrované v: WOS
2. [1.1] FAN, You-Ji - ZHENG, Zhen-Fei - ZHANG, Yu - LU, Dao-Ming - YANG, Chui-Ping. One-step implementation of a multi-target-qubit controlled phase gate with cat-state qubits in circuit QED. In *FRONTIERS OF PHYSICS*. ISSN 2095-0462, 2019, vol. 14, no. 2, 21602., Registrované v: WOS

ADCA244 BRAVYI, S. - CAHA, Libor - MOVASSAGH, R. - NAGAJ, Daniel - SHOR, P. Criticality without frustration for quantum spin-1 chains. In *Physical Review Letters*, 2012, vol. 109, no. 20, 207202. (2011: 7.370 - IF, Q1 - JCR, 6.314 - SJR, Q1 - SJR,

karentované - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.
Dostupné na: <https://doi.org/10.1103/PhysRevLett.109.207202>

Citácie:

1. [1.1] ADHIKARI, Khagendra - BEACH, K. S. D. *Deforming the Fredkin spin chain away from its frustration-free point*. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2019, vol. 99, no. 5, 054436., Registrované v: WOS
2. [1.1] ALBA, Vincenzo - SANTALLA, Silvia N. - RUGGIERO, Paola - RODRIGUEZ-LAGUNA, Javier - CALABRESE, Pasquale - SIERRA, German. *Unusual area-law violation in random inhomogeneous systems*. In *JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT*. ISSN 1742-5468, 2019, 023105., Registrované v: WOS
3. [1.1] ALEXANDER, Rafael N. - AHMADAIN, Amr - ZHANG, Zhao - KLICH, Israel. *Exact rainbow tensor networks for the colorful Motzkin and Fredkin spin chains*. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2019, vol. 100, no. 21, 214430., Registrované v: WOS
4. [1.1] BISHOP, Michael. *Spectral Gaps for the Two-Species Product Vacua and Boundary States Models on the d-Dimensional Lattice*. In *JOURNAL OF STATISTICAL PHYSICS*. ISSN 0022-4715, 2019, vol. 175, no. 2, pp. 418-455., Registrované v: WOS
5. [1.1] BRANDAO, Fernando G. S. L. - CROSSON, Elizabeth - SAHINOGLU, M. Burak - BOWEN, John. *Quantum Error Correcting Codes in Eigenstates of Translation-Invariant Spin Chains*. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2019, vol. 123, no. 11, 110502., Registrované v: WOS
6. [1.1] DELL'ANNA, L. - BARBIERO, L. - TROMBETTONI, A. *Dynamics and correlations in Motzkin and Fredkin spin chains*. In *JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT*. ISSN 1742-5468, 2019, vol. 2019, no. 12, 124025., Registrované v: WOS
7. [1.1] DELL'ANNA, Luca. *Long-distance entanglement in Motzkin and Fredkin spin chains*. In *SCIPOST PHYSICS*. ISSN 2542-4653, 2019, vol. 7, no. 4, 053., Registrované v: WOS
8. [1.1] GIAMPAOLO, Salvatore Marco - RAMOS, Flavia Braga - FRANCHINI, Fabio. *The frustration of being odd: universal area law violation in local systems*. In *JOURNAL OF PHYSICS COMMUNICATIONS*. ISSN 2399-6528, 2019, vol. 3, no. 8, UNSP 081001., Registrované v: WOS
9. [1.1] HAKOSHIMA, Hideaki - SHIMIZU, Akira. *Anomalous Enhancement of Entanglement Entropy in Nonequilibrium Steady States Driven by Zero-Temperature Reservoirs*. In *JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN*. ISSN 0031-9015, 2019, vol. 88, no. 2, 023001., Registrované v: WOS
10. [1.1] LEMM, Marius - MOZGUNOV, Evgeny. *Spectral gaps of frustration-free spin systems with boundary*. In *JOURNAL OF MATHEMATICAL PHYSICS*. ISSN 0022-2488, 2019, vol. 60, no. 5, 051901., Registrované v: WOS
11. [1.1] PADMANABHAN, Pramod - SUGINO, Fumihiko - KOREPIN, Vladimir. *Quantum phase transitions and localization in semigroup Fredkin spin chain*. In *QUANTUM INFORMATION PROCESSING*. ISSN 1570-0755, 2019, vol. 18, no. 3, 69., Registrované v: WOS
12. [1.1] ROY, Nilanjan - SHARMA, Auditya - MUKHERJEE, Rick. *Quantum simulation of long-range XY quantum spin glass with strong area-law violation using trapped ions*. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2019, vol. 99, no. 5, 052342., Registrované v: WOS
13. [1.1] WITCZAK-KREMPA, William. *Entanglement susceptibilities and universal geometric entanglement entropy*. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2019, vol. 99, no. 7, 075138., Registrované v: WOS

- ADCA245 BRAZIER, A. - BUŽEK, Vladimír - KNIGHT, P.L. Probabilistic programmable quantum processors with multiple copies of program states. In Physical Review A, 2005, vol. 71, no. 3, 032306. ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.71.032306>
Citácie:
1. [1.1] MO, Yin - CHIRIBELLA, Giulio. Quantum-enhanced learning of rotations about an unknown direction. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2019, vol. 21, no. 11, 113003., Registrované v: WOS
- ADCA246 BRNDIAR, Ján - MARKOŠ, Peter. Universality of the metal-insulator transition in three-dimensional disordered systems. In Physical Review B, 2006, vol. 74, no. 15, 153103. Dostupné na: <https://doi.org/10.1103/PhysRevB.74.153103>
Citácie:
1. [1.1] ZHANG, Wei - WANG, Lei - WANG, Ziqiang. Interpretable machine learning study of the many-body localization transition in disordered quantum Ising spin chains. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 99, no. 5, 054208., Registrované v: WOS
- ADCA247 BRNDIAR, Ján - TURANSKÝ, Robert - DIETZEL, D. - SCHIRMEISEN, A. - ŠTICH, Ivan. Understanding frictional duality and bi-duality: Sb- nanoparticles on HOPG. In Nanotechnology, 2011, vol. 22, no. 8, 085704. (2010: 3.652 - IF, Q1 - JCR, 1.844 - SJR, Q1 - SJR, karentované - CCC). (2011 - Current Contents). ISSN 0957-4484. Dostupné na: <https://doi.org/10.1088/0957-4484/22/8/085704>
Citácie:
1. [1.1] BAKSI, Merve - TOFFOLI, Daniele - GULSEREN, Oguz - USTUNEL, Hande. Nanotribological Properties of the h-BN/Au(111) Interface: A DFT Study. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2019, vol. 123, no. 46, pp. 28411-28418., Registrované v: WOS
2. [1.1] WANG, Wen - LI, Xide. Interlayer motion and ultra-low sliding friction in microscale graphite flakes. In EPL. ISSN 0295-5075, 2019, vol. 125, no. 2, 26003., Registrované v: WOS
- ADCA248 BUTVIN, Pavol - BUTVINOVÁ, Beata - SILVEYRA, J.M. - CHROMČÍKOVÁ, Mária - JANIČKOVIČ, Dušan - SITEK, J. - ŠVEC, Peter - VLASÁK, Gabriel. Effects of substitution of Mo for Nb on Less-common properties of Finemet alloys. In Journal of Magnetism and Magnetic Materials, 2010, vol. 322, p. 3035-3040. (2009: 1.204 - IF, Q2 - JCR, 0.844 - SJR, Q2 - SJR, karentované - CCC). (2010 - Current Contents, WOS, SCOPUS). ISSN 0304-8853. Dostupné na: <https://doi.org/10.1016/j.jmmm.2010.05.025>
Citácie:
1. [1.1] MOYA, Javier A. - GAMARRA CAMELLA, Soledad - BEREJNOI, Carlos. Evolution of soft magnetic, mechanical and electrical properties measured simultaneously during annealing of rapidly solidified alloys. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2019, vol. 476, pp. 248-253., Registrované v: WOS
- ADCA249 BUTVIN, Pavol - JANOŠEK, M. - RIPKA, P. - BUTVINOVÁ, Beata - ŠVEC, Peter - KUZMINSKI, M. - ŠVEC, Peter Jr. - JANIČKOVIČ, Dušan - VLASÁK, Gabriel. Field annealed closed-path fluxgate sensors made of metallic-glass ribbons. In Sensors and Actuators A, 2012, vol. 184, p. 72-77. (2011: 3.898 - IF, Q1 - JCR, 1.485 - SJR, Q1 - SJR, karentované - CCC). (2012 - Current Contents). ISSN 0925-4005. Dostupné na: <https://doi.org/10.1016/j.sna.2012.07.001>
Citácie:
1. [1.1] BUTTA, Mattia - SCHUTTE, Byron P. Low-Noise Orthogonal Fluxgate Using Flipped Current Joule Annealing. In IEEE TRANSACTIONS ON MAGNETICS. ISSN 0018-9464, 2019, vol. 55, no. 7, 4002906., Registrované v:

WOS

ADCA250 BUŽEK, Vladimír - JEX, I. - QUANG, T.K. K-photon coherent states. In Journal of Modern Optics, 1990, vol. 37, no. 2, p. 159-163. ISSN 0950-0340. Dostupné na: <https://doi.org/10.1080/09500349014550231>

Citácie:

1. [1.1] CASTILLO-CELEITA, Miguel - DIAZ-BAUTISTA, Erik - FERNANDEZ C, David J. Polynomial Heisenberg algebras, multiphoton coherent states and geometric phases. In PHYSICA SCRIPTA. ISSN 0031-8949, 2019, vol. 94, no. 4, 045203., Registrované v: WOS

ADCA251 BUŽEK, Vladimír. The jaynes-cummings model with a q-analog of a coherent state. In Journal of Modern Optics, 1992, vol. 39, no. 5, p. 949-959. ISSN 0950-0340. Dostupné na: <https://doi.org/10.1080/09500349214550981>

Citácie:

1. [1.1] MOJAVERI, B. - DEHGHANI, A. - BAHRBEIG, R. Jafarzadeh. Enhancing entanglement of entangled coherent states via a f-deformed photon-addition operation. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2019, vol. 134, no. 9, 456., Registrované v: WOS
2. [1.1] MOJAVERI, B. - DEHGHANI, A. - FASIHI, M. A. - MOHAMMADPOUR, T. Ground state and thermal entanglement between two two-level atoms interacting with a nondegenerate parametric amplifier: Different sub-spaces. In INTERNATIONAL JOURNAL OF MODERN PHYSICS B. ISSN 0217-9792, 2019, vol. 33, no. 6, 1950035., Registrované v: WOS

ADCA252 BUŽEK, Vladimír. Su(1,1) squeezing of su(1,1) generalized coherent states. In Journal of Modern Optics, 1990, vol. 37, no. 3, p. 303-316. ISSN 0950-0340. Dostupné na: <https://doi.org/10.1080/09500349014550371>

Citácie:

1. [1.1] BOSSINI, D. - DAL CONTE, S. - CERULLO, G. - GOMONAY, O. - PISAREV, R. - BOROVSAN, M. - MIHAJLOVIC, D. - SINOV, J. - MENTINK, J. H. - RASING, Th - KIMEL, A. Laser-driven quantum magnonics and terahertz dynamics of the order parameter in antiferromagnets. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 100, no. 2, 024428., Registrované v: WOS
2. [1.1] CASTILLO-CELEITA, Miguel - DIAZ-BAUTISTA, Erik - FERNANDEZ C, David J. Polynomial Heisenberg algebras, multiphoton coherent states and geometric phases. In PHYSICA SCRIPTA. ISSN 0031-8949, 2019, vol. 94, no. 4, 045203., Registrované v: WOS
3. [1.1] DEHGHANI, A. - MOJAVERI, B. - ALENABI, A. A. Excitation and depression of coherent state of the simple harmonic oscillator. In JOURNAL OF MATHEMATICAL PHYSICS. ISSN 0022-2488, 2019, vol. 60, no. 8, 083501., Registrované v: WOS
4. [1.1] DEHGHANI, A. - MOJAVERI, B. - BAHRBEIG, R. Jafarzadeh. "Near";-Cat States: Nonclassicality and Generation. In JOURNAL OF RUSSIAN LASER RESEARCH. ISSN 1071-2836, 2019, vol. 40, no. 2, pp. 121-131., Registrované v: WOS
5. [1.1] DEHGHANI, A. - MOJAVERI, B. - FASEGHANDIS, S. Amiri. Photon added coherent states of the parity deformed oscillator. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2019, vol. 34, no. 14, 1950104., Registrované v: WOS

ADCA253 BUŽEK, Vladimír - HILLERY, M. - WERNER, R. Universal-NOT gate. In Journal of Modern Optics, 2000, vol. 47, p. 211-232. (1999: 1.475 - IF). ISSN 0950-0340.

Citácie:

1. [1.1] MEHER, Nilakantha. A proposal for the implementation of quantum gates in an optomechanical system via phonon blockade. In JOURNAL OF PHYSICS

B-ATOMIC MOLECULAR AND OPTICAL PHYSICS. ISSN 0953-4075, 2019, vol. 52, no. 20, 205502., Registrované v: WOS

- ADCA254 BUŽEK, Vladimír - HLADKÝ, B. Macroscopic superposition states of light via 2-photon resonant interaction of atoms with cavity field. In Journal of Modern Optics, 1993, vol. 40, no. 7, p. 1309-1324. ISSN 0950-0340. Dostupné na: <https://doi.org/10.1080/09500349314551371>

Citácie:

1. [1.1] *DEHGHANI, A. - MOJAVERI, B. - BAHREBEIG, R. Jafarzadeh. Damping in the Interaction of a Two-Photon Field and a Two-Level Atom Through Quantized Caldirola-Kanai Hamiltonian. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2019, vol. 58, no. 3, pp. 865-877., Registrované v: WOS*

2. [1.1] *ISMAIL, M. Kh - EL-SHAHAT, T. M. The damped interaction between a single-mode cavity field with Caldirola-Kanai Hamiltonian and a three-level atom. In CHINESE JOURNAL OF PHYSICS. ISSN 0577-9073, 2019, vol. 59, pp. 273-280., Registrované v: WOS*

- ADCA255 BUŽEK, Vladimír - DERKA, R. - ADAM, G. - KNIGHT, P.L. Reconstruction of quantum states of spin systems: From quantum Bayesian inference to quantum tomography. In Annals of Physics, 1998, vol. 266, no. 2, p. 454-496. ISSN 0003-4916. Dostupné na: <https://doi.org/10.1103/PhysRevA.99.012336>

Citácie:

1. [1.1] *MARTINEZ, D. - SOLIS-PROSSER, M. A. - CANAS, G. - JIMENEZ, O. - DELGADO, A. - LIMA, G. Experimental quantum tomography assisted by multiply symmetric states in higher dimensions. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 99, no. 1, 012336., Registrované v: WOS*

- ADCA256 BUŽEK, Vladimír. On the non-linear Jaynes-Cummings model- the path-integral approach. In Czechoslovak Journal of Physics, 1989, vol. 39, no. 7, p. 757-765. ISSN 0011-4626. Dostupné na: <https://doi.org/10.1007/BF01598454>

Citácie:

1. [1.1] *ADANMITONDE, A. J. - AVOSSEVOU, G. Y. H. Full Analytic Spectrum of Generalized Jaynes-Cummings Hamiltonians. In THEORETICAL AND MATHEMATICAL PHYSICS. ISSN 0040-5779, 2019, vol. 201, no. 1, pp. 1503-1513., Registrované v: WOS*

2. [1.1] *CHORENO, E. - OJEDA-GUILLEN, D. Sp(4, R) algebraic approach of the most general Hamiltonian of a two-level system in two-dimensional geometry. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2019, vol. 134, no. 12, 606., Registrované v: WOS*

- ADCA257 BUŽEK, Vladimír - DROBNÝ, Gabriel. Quantum tomography via the MaxEnt principle. In Journal of Modern Optics, 2000, vol. 47, no. 14/15, p. 2823-2839. (1999: 1.475 - IF). ISSN 0950-0340. Dostupné na: <https://doi.org/10.1080/09500340008232199>

Citácie:

1. [1.1] *LOSADA, Marcelo - HOLIK, Federico - MASSRI, Cesar - PLASTINO, Angelo. Solutions for the MaxEnt problem with symmetry constraints. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2019, vol. 18, no. 9, 293., Registrované v: WOS*

- ADCA258 BUŽEK, Vladimír - QUANG, T. Generalized coherent state for bosonic realization of su(2) lie-algebra. In Journal of the Optical Society of America B, 1989, vol. 6, no. 12, p. 2447-2449. ISSN 0740-3224. Dostupné na: <https://doi.org/10.1364/JOSAB.6.002447>

Citácie:

1. [1.1] *SHEN, Yijie - MENG, Yuan - FU, Xing - GONG, Mali. Hybrid topological*

evolution of multi-singularity vortex beams: generalized nature for helical-Ince-Gaussian and Hermite-Laguerre-Gaussian modes. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA A-OPTICS IMAGE SCIENCE AND VISION. ISSN 1084-7529, 2019, vol. 36, no. 4, pp. 578-587., Registrované v: WOS

2. [1.1] SHEN, Yijie - WANG, Xuejiao - XIE, Zhenwei - MIN, Changjun - FU, Xing - LIU, Qiang - GONG, Mali - YUAN, Xiaocong. *Optical vortices 30 years on: OAM manipulation from topological charge to multiple singularities. In LIGHT-SCIENCE & APPLICATIONS. ISSN 2047-7538, 2019, vol. 8, 90., Registrované v: WOS*

ADCA259 BUŽEK, Vladimír. Light squeezing in the jaynes-cummings model with intensity-dependent coupling. In Journal of Modern Optics, 1989, vol. 36, no. 9, p. 1151-1162. ISSN 0950-0340. Dostupné na: <https://doi.org/10.1080/09500348914551181>

Citácie:

1. [1.1] LU, Dao-Ming. *Influences of Detuning on Geometrical Quantum Discord Dynamics in Double Jaynes-Cummings System. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2019, vol. 58, no. 5, pp. 1395-1403., Registrované v: WOS*
2. [1.1] SINGH, Sudha - GILHARE, Karuna. *Dynamical Properties of Intensity Dependent Two-Mode Raman Coupled Model in a Kerr Medium. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2019, vol. 58, no. 6, pp. 1721-1744., Registrované v: WOS*
3. [1.1] XIE, Qin - HUANG, Jiang. *Dynamics of Entanglement of Two Atoms in Two Dissipative Cavities in the Double Jaynes-Cummings Models. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2019, vol. 58, no. 11, pp. 3815-3821., Registrované v: WOS*

ADCA260 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.

Citácie:

1. [1.1] CHIRIBELLA, Giulio - EBLER, Daniel. *Quantum speedup in the identification of cause-effect relations. In NATURE COMMUNICATIONS. ISSN 2041-1723, 2019, vol. 10, 1472., Registrované v: WOS*
2. [1.1] DONG, Qingxiuxiong - QUINTINO, Marco Tulio - SOEDA, Akihito - MURAO, Mio. *Implementing positive maps with multiple copies of an input state. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 99, no. 5, 052352., Registrované v: WOS*
3. [1.1] FILIPPOV, Sergey N. - KUZHAMURATOVA, Ksenia V. *Quantum informational properties of the Landau-Streater channel. In JOURNAL OF MATHEMATICAL PHYSICS. ISSN 0022-2488, 2019, vol. 60, no. 4, 042202., Registrované v: WOS*
4. [1.1] MO, Yin - CHIRIBELLA, Giulio. *Quantum-enhanced learning of rotations about an unknown direction. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2019, vol. 21, no. 11, 113003., Registrované v: WOS*
5. [1.1] QUINTINO, Marco Tulio - DONG, Qingxiuxiong - SHIMBO, Atsushi - SOEDA, Akihito - MURAO, Mio. *Probabilistic exact universal quantum circuits for transforming unitary operations. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 6, 062339., Registrované v: WOS*
6. [1.1] SEDLAK, Michal - BISIO, Alessandro - ZIMAN, Mario. *Optimal Probabilistic Storage and Retrieval of Unitary Channels. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 122, no. 17, 170502., Registrované v: WOS*

ADCA261 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.

Citácie:

1. [1.1] FLICK, Johannes - WELAKUH, Davis M. - RUGGENTHALER, Michael - APPEL, Heiko - RUBIO, Angel. Light-Matter Response in Nonrelativistic Quantum Electrodynamics. In *ACS PHOTONICS*. ISSN 2330-4022, 2019, vol. 6, no. 11, pp. 2757-2778., Registrované v: WOS
2. [1.1] HOFFMANN, Norah M. - SCHAEFER, Christian - RUBIO, Angel - KELLY, Aaron - APPEL, Heiko. Capturing vacuum fluctuations and photon correlations in cavity quantum electrodynamics with multitrajectory Ehrenfest dynamics. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2019, vol. 99, no. 6, 063819., Registrované v: WOS
3. [1.1] HOFFMANN, Norah M. - SCHAEFER, Christian - SAEKKINEN, Niko - RUBIO, Angel - APPEL, Heiko - KELLY, Aaron. Benchmarking semiclassical and perturbative methods for real-time simulations of cavity-bound emission and interference. In *JOURNAL OF CHEMICAL PHYSICS*. ISSN 0021-9606, 2019, vol. 151, no. 24., Registrované v: WOS
4. [1.1] QIAO, Lei - SUN, Chang-Pu. Atom-photon bound states and non-Markovian cooperative dynamics in coupled-resonator waveguides. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2019, vol. 100, no. 6, 063806., Registrované v: WOS
5. [1.1] ZHANG, Anwei - CHEN, Xianfeng - YUAN, Luqi. Hidden equivalence in the collective emission from a dilute atomic cloud. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2019, vol. 99, no. 2, 023842., Registrované v: WOS

ADCA262 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.

Citácie:

1. [1.1] MITCHISON, Mark T. Quantum thermal absorption machines: refrigerators, engines and clocks. In *CONTEMPORARY PHYSICS*. ISSN 0010-7514, 2019, vol. 60, no. 2, pp. 164-187., Registrované v: WOS

ADCA263 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.

Citácie:

1. [1.1] DE MARTINI, Francesco - SCIARRINO, Fabio. Twenty Years of Quantum State Teleportation at the Sapienza University in Rome. In *ENTROPY*, 2019, vol. 21, no. 8, 768., Registrované v: WOS
2. [1.1] SHI, Peng - LI, Nachuan - WANG, Shumei - LIU, Zhi - REN, Mengran - MA, Hongyang. Quantum Multi-User Broadcast Protocol for the "Platform as a Service" Model. In *SENSORS*, 2019, vol. 19, no. 23, 5257., Registrované v: WOS

ADCA264 BUŽEK, Vladimír - KONÔPKA, M. Dynamics of open systems governed by the Milburn equation. In *Physical Review A*, 1998, vol. 58, no. 3, p. 1735-1739. ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.58.1735>

Citácie:

1. [1.1] ANWAR, S. Jamal - RAMZAN, M. - KHAN, M. Khalid. Thermal Field and Intrinsic Decoherence Effects on the Dynamics of N-level Moving Atomic System. In *INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS*. ISSN 0020-7748, 2019, vol. 58, no. 8, pp. 2465-2480., Registrované v: WOS
2. [1.1] BRUCE, S. A. - DIAZ-VALDES, J. F. Fundamental length in classical electrodynamics. In *EPL*. ISSN 0295-5075, 2019, vol. 127, no. 2, 20003., Registrované v: WOS

- ADCA265 BUŽEK, Vladimír - GANTSOG, T. - KIM, M.S. Phase properties of Schrodinger cat states of light decaying in phase-sensitive reservoirs. In *Physica Scripta*, 1993, vol. T48, p. 131-142. ISSN 0031-8949. Dostupné na: <https://doi.org/10.1088/0031-8949/1993/T48/021>
Citácie:
1. [1.1] KOZLOVSKII, A. V. *Fluctuations of the hermitian phase operator of electromagnetic field for quantum phase superpositions of coherent states. In JOURNAL OF MODERN OPTICS. ISSN 0950-0340, 2019, vol. 66, no. 5, pp. 463-472., Registrované v: WOS*
- ADCA266 BUŽEK, Vladimír - MOYACESSA, H. - KNIGHT, P.L. - PHOENIX, S.J.D. Schrodinger-cat states in the resonant jaynes-cummings model-collapse and revival of oscillations of the photon-number distribution. In *Physical Review A*, 1992, vol. 45, no, p. 8190-8203. ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.45.8190>
Citácie:
1. [1.1] ASSEMAT, F. - GROSSO, D. - SIGNOLES, A. - FACON, A. - DOTSENKO, I - HAROCHE, S. - RAIMOND, J. M. - BRUNE, M. - GLEYZES, S. *Quantum Rabi Oscillations in Coherent and in Mesoscopic Cat Field States. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 123, no. 14, 143605., Registrované v: WOS*
2. [1.1] CHEN, Jiabao - KONSTANTINOV, Denis - MOLMER, Klaus. *Adiabatic preparation of squeezed states of oscillators and large spin systems coupled to a two-level system. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 99, no. 1, 013803., Registrované v: WOS*
- ADCA267 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.
Citácie:
1. [1.1] BEHERA, Bikash K. - REZA, Tasnum - GUPTA, Angad - PANIGRAHI, Prasanta K. *Designing quantum router in IBM quantum computer. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2019, vol. 18, no. 11, 328., Registrované v: WOS*
2. [1.1] BISWAL, Laxmidhar - BHATTACHARJEE, Debjyoti - CHATTOPADHYAY, Anupam - RAHAMAN, Hafizur. *Techniques for fault-tolerant decomposition of a multicontrolled Toffoli gate. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 6, 062326., Registrované v: WOS*
3. [1.1] CUZMINSCHI, Marina - ZUBAREV, Alexei - ISAR, Aurelian. *QUANTUM FIDELITY OF TWO-MODE GAUSSIAN STATES IN A THERMAL RESERVOIR. In PROCEEDINGS OF THE ROMANIAN ACADEMY SERIES A-MATHEMATICS PHYSICS TECHNICAL SCIENCES INFORMATION SCIENCE. ISSN 1454-9069, 2019, vol. 20, no. 3, pp. 251-258., Registrované v: WOS*
4. [1.1] DE MARTINI, Francesco - SCIARRINO, Fabio. *Twenty Years of Quantum State Teleportation at the Sapienza University in Rome. In ENTROPY, 2019, vol. 21, no. 8, 768., Registrované v: WOS*
5. [1.1] EPSTEIN, Samuel. *Algorithmic No-Cloning Theorem. In IEEE TRANSACTIONS ON INFORMATION THEORY. ISSN 0018-9448, 2019, vol. 65, no. 9, pp. 5925-5930., Registrované v: WOS*
6. [1.1] GHOREISHI, Seyed Arash - AKHTARSHENAS, Seyed Javad - SARBISHAEI, Mohsen. *Parametrization of quantum states based on the quantum state discrimination problem. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2019, vol. 18, no. 5, 150., Registrované v: WOS*
7. [1.1] GOSWAMI, Suchetana - ADHIKARI, Satyabrata - MAJUMDAR, A. S. *Coherence and entanglement under three-qubit cloning operations. In*

- QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2019, vol. 18, no. 1, 36., Registrované v: WOS*
8. [1.1] HUANG, Chien-Ying - LAMBERT, Neill - LI, Che-Ming - LU, Yen-Te - NORI, Franco. Securing quantum networking tasks with multipartite Einstein-Podolsky-Rosen steering. In *PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 99, no. 1, 012302., Registrované v: WOS*
9. [1.1] JAIN, Aditya - CHAKRABARTY, Ndranil - CHATTERJEE, Sourav. Asymmetric broadcasting of quantum correlations. In *PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 99, no. 2, 022315., Registrované v: WOS*
10. [1.1] JU, Chia-Yi - MIRANOWICZ, Adam - CHEN, Guang-Yin - NORI, Franco. Non-Hermitian Hamiltonians and no-go theorems in quantum information. In *PHYSICAL REVIEW A. ISSN 1050-2947, 2019, vol. 100, no. 6, 062118., Registrované v: WOS*
11. [1.1] KULKARNI, Anant - BINDA, Namita - KAUSHIK, Brajesh Kumar. Quantum Computing Circuits Based on Spin-Torque Qubit Architecture Toward the physical realization of quantum computers. In *IEEE NANOTECHNOLOGY MAGAZINE. ISSN 1932-4510, 2019, vol. 13, no. 5, pp. 15-24., Registrované v: WOS*
12. [1.1] LEE, Jaehak - PARK, Jiyong - NHA, Hyunchul. Quantum non-Gaussianity and secure quantum communication. In *NPJ QUANTUM INFORMATION, 2019, vol. 5, no. 5., Registrované v: WOS*
13. [1.1] LIANG, Xiao-Bin - LI, Bo - FEI, Shao-Ming. Complete characterization of qubit masking. In *PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 3, 030304., Registrované v: WOS*
14. [1.1] LIANG, Yeong-Cherng - YEH, Yu-Hao - MENDONCA, Paulo E. M. F. - TEH, Run Yan - REID, Margaret D. - DRUMMOND, Peter D. Quantum fidelity measures for mixed states. In *REPORTS ON PROGRESS IN PHYSICS. ISSN 0034-4885, 2019, vol. 82, no. 7, 076001., Registrované v: WOS*
15. [1.1] MAIMONE, Filippo - SCELZA, Giovanni - NADDEO, Adele. A natural cure for causality violations in Newton Schrodinger equation. In *PHYSICA SCRIPTA. ISSN 0031-8949, 2019, vol. 94, no. 7, 075001., Registrované v: WOS*
16. [1.1] MUNDRA, Rounak - PATEL, Dhruvil - CHAKRABARTY, Indranil - GANGULY, Nirman - CHATTERJEE, Sourav. Broadcasting of quantum correlations in qubit-qudit systems. In *PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 4, 042319., Registrované v: WOS*
17. [1.1] OH, Changhun - LEE, Changhyoup - BANCHI, Leonardo - LEE, Su-Yong - ROCKSTUHL, Carsten - JEONG, Hyunseok. Optimal measurements for quantum fidelity between Gaussian states and its relevance to quantum metrology. In *PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 1, 012323., Registrované v: WOS*
18. [1.1] REDDY, Anirudh - SAMUEL, Joseph - SINHA, Supurna. A physical perspective on classical cloning. In *PHYSICS LETTERS A. ISSN 0375-9601, 2019, vol. 383, no. 27, UNSP 125846., Registrované v: WOS*
19. [1.1] SEDLAK, Michal - BISIO, Alessandro - ZIMAN, Mario. Optimal Probabilistic Storage and Retrieval of Unitary Channels. In *PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 122, no. 17, 170502., Registrované v: WOS*
20. [1.1] TIAN, Mingzhen - VEGA, Devin. Quantum memory and quantum cloning in an atomic frequency comb. In *PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 4, 042328., Registrované v: WOS*
21. [1.1] WANG, Ming-Hao - CAI, Qing-Yu. High-fidelity quantum cloning of two nonorthogonal quantum states via weak measurements. In *PHYSICAL REVIEW*

- A. ISSN 2469-9926, 2019, vol. 99, no. 1, 012324., Registrované v: WOS
22. [1.1] WANG, MingHao - CAI, QingYu. Duplicating classical bits with universal quantum cloning machine. In SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY. ISSN 1674-7348, 2019, vol. 62, no. 3, 030312., Registrované v: WOS
23. [1.1] WANG, Xiao-Jun - AN, Long-Xi - MENG, Fan-Xu - YU, Xu-Tao - ZHANG, Zai-Chen. A Multicast Scheme Based on Fidelity Metrics in Quantum Networks. In IEEE ACCESS. ISSN 2169-3536, 2019, vol. 7, pp. 65703-65713., Registrované v: WOS
24. [1.1] YUAN, Tingting - ZHOU, Fang - CHEN, Shengping - XIANG, Shaohua - SONG, Kehui - ZHAO, Yujing. Multipurpose Quantum Simulator Based on a Hybrid Solid-State Quantum Device. In SYMMETRY-BASEL, 2019, vol. 11, no. 4, 467., Registrované v: WOS

ADCA268 BUŽEK, Vladimír. Periodic revivals of squeezing in an anharmonic-oscillator model with coherent-light. In Physics Letters A, 1989, vol. 136, no. 4-5, p. 188-192. ISSN 0375-9601. Dostupné na: [https://doi.org/10.1016/0375-9601\(89\)90558-6](https://doi.org/10.1016/0375-9601(89)90558-6)

Citácie:

1. [1.1] BAYEN, Dolan Krishna - MANDAL, Swapan. Classical and quantum description of a periodically driven multi-photon anharmonic oscillator. In OPTICAL AND QUANTUM ELECTRONICS. ISSN 0306-8919, 2019, vol. 51, no. 12, 388., Registrované v: WOS

ADCA269 BUŽEK, Vladimír. Jaynes-Cummings model with intensity-dependent coupling interacting with squeezed vacuum. In Physics Letters A. General Atomic and Solid State Physics, 1989, vol. 139, no. 5-6, p. 231-235. ISSN 0375-9601. Dostupné na: [https://doi.org/10.1016/0375-9601\(89\)90145-X](https://doi.org/10.1016/0375-9601(89)90145-X)

Citácie:

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

ADCA270 BUŽEK, Vladimír - ORSZAG, M. - ROŠKO, M. Instability and entanglement of the ground state of the Dicke model. In Physical Review Letters, 2005, vol. 94, no. 16, 163601. (2004: 7.218 - IF, karentované - CCC). (2005 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.94.163601>

Citácie:

1. [1.1] ANDOLINA, G. M. - PELLEGRINO, F. M. D. - GIOVANNETTI, V - MACDONALD, A. H. - POLINI, M. Cavity quantum electrodynamics of strongly correlated electron systems: A no-go theorem for photon condensation. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 100, no. 12, 121109., Registrované v: WOS
2. [1.1] WANG, Yan-Zhi - HE, Shu - DUAN, Liwei - CHEN, Qing-Hu. Quantum phase transitions in the spin-boson model without the counterrotating terms. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 100, no. 11, 115106., Registrované v: WOS

ADCA271 BUŽEK, Vladimír - KNIGHT, P.L. The origin of squeezing in a superposition of coherent states. In Optics Communications, 1991, vol. 81, no. 5, p. 331-336. ISSN 0030-4018. Dostupné na: [https://doi.org/10.1016/0030-4018\(91\)90626-O](https://doi.org/10.1016/0030-4018(91)90626-O)

Citácie:

1. [1.1] SHUKLA, Namrata - AKHTAR, Naeem - SANDERS, Barry C. Quantum tetrachotomous states: Superposition of four coherent states on a line in phase space. In PHYSICAL REVIEW A. ISSN 1050-2947, 2019, vol. 99, no. 6, 063813.,

- Registrované v: WOS*
- ADCA272 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.
- Citácie:*
- [1.1] JAIN, Aditya - CHAKRABARTY, Ndranil - CHATTERJEE, Sourav. Asymmetric broadcasting of quantum correlations. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2019, vol. 99, no. 2, 022315., Registrované v: WOS
 - [1.1] MUNDRA, Rounak - PATEL, Dhruvil - CHAKRABARTY, Indranil - GANGULY, Nirman - CHATTERJEE, Sourav. Broadcasting of quantum correlations in qubit-qudit systems. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2019, vol. 100, no. 4, 042319., Registrované v: WOS
- ADCA273 BUŽEK, Vladimír. Jaynes-Cummings model with intensity-dependent coupling interacting with Holstein-Primakoff SU(1,1) coherent state. In *Physical Review A*, 1989, vol. 39, no. 6, p. 3196-3199. ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.39.3196>
- Citácie:*
- [1.1] ESMAIL, S. - SALAH, Ahmed - HASSAN, Samia S. A. Statistical Aspects and Dynamical Entanglement for a Two-Level Atom Moving on Along Cavity Length of x-Direction: Atomic Position Distribution. In *BRAZILIAN JOURNAL OF PHYSICS*. ISSN 0103-9733, 2019, vol. 49, no. 3, pp. 438-448., Registrované v: WOS
 - [1.1] LAHA, Pradip - LAKSHMIBALA, S. - BALAKRISHNAN, V. Nonclassical effects in optomechanics: dynamics and collapse of entanglement. In *JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS*. ISSN 0740-3224, 2019, vol. 36, no. 3, pp. 575-584., Registrované v: WOS
- ADCA274 BUŽEK, Vladimír. Dynamics of an excited 2-level atom in the presence of N-1 unexcited atoms in the free space. In *Physical Review A*, 1989, vol. 39, no. 4, p. 2232-2235. ISSN 1050-2947.
- Citácie:*
- [1.1] QIAO, Lei - SUN, Chang-Pu. Atom-photon bound states and non-Markovian cooperative dynamics in coupled-resonator waveguides. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2019, vol. 100, no. 6, 063806., Registrované v: WOS
 - [1.1] ZHANG, Anwei - CHEN, Xianfeng - YUAN, Luqi. Hidden equivalence in the collective emission from a dilute atomic cloud. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2019, vol. 99, no. 2, 023842., Registrované v: WOS
- ADCA275 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.
- Citácie:*
- [1.1] ABD-RABBOU, M. Y. - KHALIL, E. M. - AHMED, M. M. A. - OBADA, A.S. F. External Classical Field and Damping Effects on a Moving two Level atom in a Cavity Field Interaction with Kerr-like Medium. In *INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS*. ISSN 0020-7748, 2019, vol. 58, no. 12, pp. 4012-4024., Registrované v: WOS
 - [1.1] SINGH, Sudha - GILHARE, Karuna. Dynamical Properties of Intensity Dependent Two-Mode Raman Coupled Model in a Kerr Medium. In *INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS*. ISSN 0020-7748, 2019, vol. 58, no. 6, pp. 1721-1744., Registrované v: WOS
 - [1.1] SINGH, Sudha - OOI, C. H. Raymond. Dynamics of Kerr-like medium with two-mode intensity-dependent cavity fields. In *LASER PHYSICS*. ISSN 1054-660X, 2019, vol. 29, no. 1, 015202., Registrované v: WOS

ADCA276 BUŽEK, Vladimír - DERKA, R. - MASSAR, S. Optimal quantum clocks. In Physical Review Letters, 1999, vol. 82, no. 10, p. 2207-2210. (1998: 6.017 - IF, karentované - CCC). (1999 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Citácie:

1. [1.1] GAMBINI, Rodolfo - GARCIA-PINTOS, Luis Pedro - PULLIN, Jorge. Single-world consistent interpretation of quantum mechanics from fundamental time and length uncertainties. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 1, 012113., Registrované v: WOS
2. [1.1] HAYASHI, Masahito - VINJANAMPATHY, Sai - KWEK, L. C. Resolving unattainable Cramer-Rao bounds for quantum sensors. In JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS. ISSN 0953-4075, 2019, vol. 52, no. 1, 015503., Registrované v: WOS
3. [1.1] LOCK, Maximilian P. E. - FUENTES, Ivette. Quantum and classical effects in a light-clock falling in Schwarzschild geometry. In CLASSICAL AND QUANTUM GRAVITY. ISSN 0264-9381, 2019, vol. 36, no. 17, 175007., Registrované v: WOS
4. [1.1] WANG, Jieci - LIU, Tonghua - JING, Jiliang - CHEN, Songbai. Synchronization and Estimation of Gravity-Induced Time Difference for Quantum Clocks. In ADVANCED QUANTUM TECHNOLOGIES, 2019, vol. 2, no. 5-6., Registrované v: WOS
5. [1.1] WOODS, Mischa P. - SILVA, Ralph - OPPENHEIM, Jonathan. Autonomous Quantum Machines and Finite-Sized Clocks. In ANNALES HENRI POINCARÉ. ISSN 1424-0637, 2019, vol. 20, no. 1, pp. 125-218., Registrované v: WOS
6. [1.1] YANG, Ying - JING, Jiliang - ZHAO, Zixu. Enhancing estimation precision of parameter for a two-level atom with circular motion. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2019, vol. 18, no. 4, 120., Registrované v: WOS
7. [1.1] ZHAO, Zhikuan - FITZSIMONS, Jack K. - FITZSIMONS, Joseph F. Quantum-assisted Gaussian process regression. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 99, no. 5, 052331., Registrované v: WOS
8. [1.1] ZHAO, Zhikuan - FITZSIMONS, Jack K. - OSBORNE, Michael A. - ROBERTS, Stephen J. - FITZSIMONS, Joseph F. Quantum algorithms for training Gaussian processes. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 1, 012304., Registrované v: WOS

ADCA277 BUŽEK, Vladimír - HILLERY, M. - ZIMAN, Mário - ROSKO, M. Programmable quantum processors. In Quantum Information Processing, 2006, vol. 5, no. 5, p. 313-420. ISSN 1570-0755. Dostupné na: <https://doi.org/10.1007/s11128-006-0028-z>

Citácie:

1. [1.1] SENTIS, Gael - MONRAS, Alex - MUNOZ-TAPIA, Ramon - CALSAMIGLIA, John - BAGAN, Emilio. Unsupervised Classification of Quantum Data. In PHYSICAL REVIEW X. ISSN 2160-3308, 2019, vol. 9, no. 4, 041029., Registrované v: WOS

ADCA278 BUŽEK, Vladimír - KIM, M.S. - GANTSOG, T. Quantum phase distributions of amplified Schrodinger-cat states of light. In Physical Review A, 1993, vol. 48, no. 4, p. 3394-3397. ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.48.3394>

Citácie:

1. [1.1] SHUKLA, Namrata - AKHTAR, Naeem - SANDERS, Barry C. Quantum tetrachotomous states: Superposition of four coherent states on a line in phase space. In PHYSICAL REVIEW A. ISSN 1050-2947, 2019, vol. 99, no. 6, 063813., Registrované v: WOS

- ADCA279 BUŽEK, Vladimír - KEITEL, C.H. - KNIGHT, P.L. Sampling entropies and operational phase-space measurement. 1. - General formalism. In *Physical Review A*, 1995, vol. 51, no. 3, p. 2575-2593. ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.51.2575>
Citácie:
1. [1.1] BOSE, Soumyakanti. *Wehrl-entropy-based quantification of nonclassicality for single-mode quantum optical states*. In *JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL*. ISSN 1751-8113, 2019, vol. 52, no. 2, 025303., Registrované v: WOS
2. [1.1] RUNDLE, R. P. - TILMA, Todd - SAMSON, J. H. - DWYER, V. M. - BISHOP, R. F. - EVERITT, M. J. *General approach to quantum mechanics as a statistical theory*. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2019, vol. 99, no. 1, 012115., Registrované v: WOS
- ADCA280 BUŽEK, Vladimír - DROBNÝ, Gabriel. Signal-pump entanglement in quantum K-photon down-conversion. In *Physical Review A*, 1993, vol. 47, no. 2, p. 1237-1246. ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.47.1237>
Citácie:
1. [1.1] VINTSKEVICH, S. V. - GRIGORIEV, D. A. - FILIPPOV, S. N. *Effect of an incoherent pump on two-mode entanglement in optical parametric generation*. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2019, vol. 100, no. 5, 053811., Registrované v: WOS
- ADCA281 BUŽEK, Vladimír - HILLERY, M. Universal optimal cloning of arbitrary quantum states: From qubits to quantum registers. In *Physical Review Letters*, 1998, vol. 81, no. 22, p. 5003-5006. (1997: 6.140 - IF, karentované - CCC). (1998 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.
Citácie:
1. [1.1] DE MARTINI, Francesco - SCIARRINO, Fabio. *Twenty Years of Quantum State Teleportation at the Sapienza University in Rome*. In *ENTROPY*, 2019, vol. 21, no. 8, 768., Registrované v: WOS
2. [1.1] FREYTES, H. - HOLIK, F. - BOSYK, G. M. - SERGIOLI, G. *On an explicit representation of the ukasiewicz sum as a quantum operation*. In *SOFT COMPUTING*. ISSN 1432-7643, 2019, vol. 23, no. 12, pp. 3999-4007., Registrované v: WOS
3. [1.1] JAIN, Aditya - CHAKRABARTY, Ndranil - CHATTERJEE, Sourav. *Asymmetric broadcasting of quantum correlations*. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2019, vol. 99, no. 2, 022315., Registrované v: WOS
4. [1.1] LIANG, Yeong-Cherng - YEH, Yu-Hao - MENDONCA, Paulo E. M. F. - TEH, Run Yan - REID, Margaret D. - DRUMMOND, Peter D. *Quantum fidelity measures for mixed states*. In *REPORTS ON PROGRESS IN PHYSICS*. ISSN 0034-4885, 2019, vol. 82, no. 7, 076001., Registrované v: WOS
5. [1.1] MUNDRA, Rounak - PATEL, Dhruvil - CHAKRABARTY, Indranil - GANGULY, Nirman - CHATTERJEE, Sourav. *Broadcasting of quantum correlations in qubit-qudit systems*. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2019, vol. 100, no. 4, 042319., Registrované v: WOS
6. [1.1] REDDY, Anirudh - SAMUEL, Joseph - SINHA, Supurna. *A physical perspective on classical cloning*. In *PHYSICS LETTERS A*. ISSN 0375-9601, 2019, vol. 383, no. 27, UNSP 125846., Registrované v: WOS
7. [1.1] WANG, Zhan-Yun - GOU, Yi-Tao - HOU, Jin-Xing - CAO, Li-Ke - WANG, Xiao-Hui. *Probabilistic Resumable Quantum Teleportation of a Two-Qubit Entangled State*. In *ENTROPY*, 2019, vol. 21, no. 4, 352., Registrované v: WOS
- ADCA282 BYDŽOVSKÝ, J. - KRAUS, L. - ŠVEC, Peter - PASQUALE, Massimo - KOLLÁR, M. Strain sensors based on stress-annealed Co₆₉Fe₂Cr₇Si₈B₁₄ amorphous ribbons.

In Sensors and Actuators A, 2004, vol. 110, no. 1-3, p. 82-86. ISSN 0925-4005.

Dostupné na: <https://doi.org/10.1016/j.sna.2003.09.042>

Citácie:

1. [1.1] *IGNAKHIN, V. S. - SEVERIKOV, V. S. - GRISHIN, A. M. Tensile and torsional strain gauge based on Fe48Co32P14B6 metallic glass. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2019, vol. 476, pp. 382-386., Registrované v: WOS*

ADCA283

*CAHA, Libor** - LANDAU, Zeph - NAGAJ, Daniel**. Clocks in Feynman's computer and Kitaev's local Hamiltonian: Bias, gaps, idling, and pulse tuning. In Physical Review A, 2018, vol. 97, no. 6, 062306. (2017: 2.909 - IF, Q1 - JCR, 1.288 - SJR, Q1 - SJR, karentované - CCC). (2018 - Current Contents). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.97.062306>*

Citácie:

1. [1.1] *CIANI, A. - TERHAL, B. M. - DIVINCENZO, D. P. Hamiltonian quantum computing with superconducting qubits. In QUANTUM SCIENCE AND TECHNOLOGY. ISSN 2058-9565, 2019, vol. 4, no. 3, 035002., Registrované v: WOS*

2. [1.1] *GHARIBIAN, Sevag - YIRKA, Justin. The complexity of simulating local measurements on quantum systems. In QUANTUM. ISSN 2521-327X, 2019, vol. 3., Registrované v: WOS*

3. [1.1] *GULBAHAR, Burhan. Quantum path computing: computing architecture with propagation paths in multiple plane diffraction of classical sources of fermion and boson particles. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2019, vol. 18, no. 6, 167., Registrované v: WOS*

ADCA284

*CAMENZIND, Leon C. - YU, Luiqi - STAÑO, Peter - ZIMMERMAN, Jeremy D. - GOSSARD, Arthur C. - LOSS, Daniel - ZUMBÜHL, Dominik M.**. Hyperfine-phonon spin relaxation in a single-electron GaAs quantum dot. In Nature Communications, 2018, vol. 9, art. no. 3454. (2017: 12.353 - IF, Q1 - JCR, 6.582 - SJR, Q1 - SJR, karentované - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 2041-1723. Dostupné na: <https://doi.org/10.1038/s41467-018-05879-x>*

Citácie:

1. [1.1] *AVDEEV, Ivan D. - SMIRNOV, Dmitry S. Hyperfine interaction in atomically thin transition metal dichalcogenides. In NANOSCALE ADVANCES. ISSN 2516-0230, 2019, vol. 1, no. 7, pp. 2624-2632., Registrované v: WOS*

2. [1.1] *BASU, Tuhin Shuvra - DIESCH, Simon - OBERGFELL, Manuel - DEMSAR, Jure - SCHEER, Elke. Energy scales and dynamics of electronic excitations in functionalized gold nanoparticles measured at the single particle level. In PHYSICAL CHEMISTRY CHEMICAL PHYSICS. ISSN 1463-9076, 2019, vol. 21, no. 25, pp. 13446-13452., Registrované v: WOS*

3. [1.1] *BOGAN, Alex - STUDENIKIN, Sergei - KORKUSINSKI, Marek - GAUDREAU, Louis - ZAWADZKI, Piotr - SACHRAJDA, Andy - TRACY, Lisa - RENO, John - HARGETT, Terry. Single hole spin relaxation probed by fast single-shot latched charge sensing. In COMMUNICATIONS PHYSICS. ISSN 2399-3650, 2019, vol. 2, 17., Registrované v: WOS*

4. [1.1] *BORJANS, F. - ZAJAC, D. M. - HAZARD, T. M. - PETTA, J. R. Single-Spin Relaxation in a Synthetic Spin-Orbit Field. In PHYSICAL REVIEW APPLIED. ISSN 2331-7019, 2019, vol. 11, no. 4, 044063., Registrované v: WOS*

5. [1.1] *MILLS, A. R. - ZAJAC, D. M. - GULLANS, M. J. - SCHUPP, F. J. - HAZARD, T. M. - PETTA, J. R. Shuttling a single charge across a one-dimensional array of silicon quantum dots. In NATURE COMMUNICATIONS. ISSN 2041-1723, 2019, vol. 10, 1063., Registrované v: WOS*

6. [1.1] *WANG, Pengjie - HUANG, Ke - SUN, Jian - HU, Jingjin - FU, Hailong -*

LIN, Xi. Piezo-driven sample rotation system with ultra-low electron temperature. In REVIEW OF SCIENTIFIC INSTRUMENTS. ISSN 0034-6748, 2019, vol. 90, no. 2, 023905., Registrované v: WOS

- ADCA285 CAN, H. - ŠVEC, Peter Jr. - BUDŽOVSKÝ, J. - ŠVEC, Peter - SOZERI, H. - TOPAL, U.**. Systematic optimization of the sensing properties of ring-core fluxgate sensors with different core diameters and materials. In Sensors and Actuators A-Physical, 2017, vol. 255, p. 94-103. (2016: 2.499 - IF, Q1 - JCR, 0.787 - SJR, Q1 - SJR, karentované - CCC). (2017 - Current Contents). ISSN 0924-4247. Dostupné na: <https://doi.org/10.1016/j.sna.2017.01.013>

Citácie:

1. [1.1] HUANG, H. T. - GARU, P. - LI, C. H. - CHANG, W. C. - CHEN, B. W. - SUNG, S. Y. - LEE, C. M. - CHEN, J. Y. - HSIEH, T. F. - SHEU, W. J. - OUYANG, H. - WANG, W. C. - CHANG, C. R. - WANG, C. L. - HSU, M. S. - WEI, Z. H. *Magnetoresistive Biosensors for Direct Detection of Magnetic Nanoparticle Conjugated Biomarkers on a Chip. In SPIN. ISSN 2010-3247, 2019, vol. 9, no. 2, 1940002., Registrované v: WOS*

- ADCA286 CAN, H. - ŠVEC, Peter Jr. - TANRISEVEN, S. - BYDZOVSKÝ, J. - BIRLIKSEVEN, C. - SOZERI, H. - ŠVEC, Peter - TOPAL, U. Optimizing the sensing performance of a single-rod fluxgate magnetometer using thin magnetic wires. In Measurement Science and Technology, 2015, vol. 26, no. 11, 115102. (2014: 1.433 - IF, Q2 - JCR, 0.704 - SJR, Q1 - SJR, karentované - CCC). (2015 - Current Contents). ISSN 0957-0233. Dostupné na: <https://doi.org/10.1088/0957-0233/26/11/115102>

Citácie:

1. [1.1] BARANOV, P. - KOLOMEYTSEV, A. - ZATONOV, I. *Fluxgate sensor modeling. In III INTERNATIONAL CONFERENCE COGNITIVE ROBOTICS. ISSN 1757-8981, 2019, vol. 516, 012032., Registrované v: WOS*

- ADCA287 CAN, Hava - ECEVIT, Fevzi Necati - ŠVEC, Peter Jr. - ŠVEC, Peter - TOPAL, Ugur**. The Sensing Characteristics of Ring-Core Fluxgate Sensors at Temperature Interval of -50 °C to +85 °C. In IEEE Transactions on Magnetics, 2018, vol. 54, no. 7, 4000706. (2017: 1.467 - IF, Q3 - JCR, 0.488 - SJR, Q2 - SJR, karentované - CCC). (2018 - Current Contents). ISSN 0018-9464. Dostupné na: <https://doi.org/10.1109/TMAG.2018.2835771>

Citácie:

1. [1.1] JENG, Jen-Tzong - LU, Chih-Cheng - KU, Hsiang-Wei - HUANG, Bo-Rei - CHIA, Meng-Huan - XUAN THANG TRINH. *Three-Axis Microfluxgate With a Fluxguide. In IEEE TRANSACTIONS ON MAGNETICS. ISSN 0018-9464, 2019, vol. 55, no. 7, 4000706., Registrované v: WOS*

- ADCA288 CAPONE, S.** - BENKOVIČOVÁ, Monika - FORLEO, A. - JERGEL, Matej - MANERA, M.G. - ŠIFFALOVIC, Peter - TAURINO, A. - MAJKOVÁ, Eva - SICILIANO, P. - VÁVRA, Ivo - LUBY, Štefan - RELLA, R. Palladium/gamma-Fe₂O₃ nanoparticle mixtures for acetone and NO₂ gas sensors. In Sensors and Actuators B, 2017, vol. 243, p. 895-903. (2016: 5.401 - IF, Q1 - JCR, 1.343 - SJR, Q1 - SJR, karentované - CCC). (2017 - Current Contents). ISSN 0925-4005. Dostupné na: <https://doi.org/10.1016/j.snb.2016.12.027>

Citácie:

1. [1.1] GHOSH, Abhishek - ZHANG, Chen - SHI, Sheldon Q. - ZHANG, Haifeng. *High-Temperature Gas Sensors for Harsh Environment Applications: A Review. In CLEAN-SOIL AIR WATER. ISSN 1863-0650, 2019, vol. 47, no. 8, 1800491., Registrované v: WOS*
2. [1.1] LI, YuanKai - CHENG, Li - ZHANG, Xiao-Dong - GUO, Xin. *Hierarchically-structured MnFe₂O₄ nanospheres for highly sensitive detection of*

NO₂. In *SOLID STATE IONICS*. ISSN 0167-2738, 2019, vol. 336, pp. 102-109., Registrované v: WOS

3. [1.1] QU, Geping - FAN, Guijun - ZHOU, Moyan - RONG, Xiaoru - LI, Tao - ZHANG, Rui - SUN, Jing - CHEN, Deliang. Graphene-Modified ZnO Nanostructures for Low-Temperature NO₂ Sensing. In *ACS OMEGA*. ISSN 2470-1343, 2019, vol. 4, no. 2, pp. 4221-4232., Registrované v: WOS

4. [1.1] WANG, Mingjing - HOU, Tianyi - SHEN, Zhurui - ZHAO, Xiaodong - JI, Huiming. MOF-derived Fe₂O₃: Phase control and effects of phase composition on gas sensing performance. In *SENSORS AND ACTUATORS B-CHEMICAL*, 2019, vol. 292, pp. 171-179., Registrované v: WOS

ADCA289 CAPONE, S. - MANERA, M.G. - TAURINO, A. - SICILIANO, P. - RELLA, R. - LUBY, Štefan - BENKOVIČOVÁ, Monika - ŠIFFALOVÍČ, Peter - MAJKOVÁ, Eva. Fe₃O₄/gamma-Fe₂O₃ nanoparticle multilayers deposited by the Langmuir-Blodgett technique for gas sensors application. In *Langmuir*, 2014, vol. 30, no. 4, p. 1190-1197. (2013: 4.384 - IF, Q1 - JCR, 1.895 - SJR, karentované - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 0743-7463. Dostupné na: <https://doi.org/10.1021/la404542u>

Citácie:

1. [1.1] CHEN, Xianjia - DENG, Ni - ZHANG, Xuanji - LI, Jing - YANG, Yanting - HONG, Bo - JIN, Dingfeng - PENG, Xiaoling - WANG, Xinqing - GE, Hongliang - JIN, Hongxiao. Cerium-doped indium oxide nanosphere arrays with enhanced ethanol-sensing properties. In *JOURNAL OF NANOPARTICLE RESEARCH*. ISSN 1388-0764, 2019, vol. 21, no. 4, 77., Registrované v: WOS

2. [1.1] LEE, Jong-Heun. Technological realization of semiconducting metal oxide-based gas sensors. In *GAS SENSORS BASED ON CONDUCTING METAL OXIDES: BASIC UNDERSTANDING, TECHNOLOGY AND APPLICATIONS*, 2019, pp. 167-216., Registrované v: WOS

3. [1.1] RAMU, Jagadish - MAHANTHAPPA, Mallappa - YELLAPPA, Shivaraj - CHANDRASEKHAR, Kothapalli Bannoth. gamma-Fe(2)O(3) nanoparticles modified glassy carbon electrode for the sensitive detection of folic acid. In *MATERIALS RESEARCH EXPRESS*. ISSN 2053-1591, 2019, vol. 6, no. 10, 105070., Registrované v: WOS

4. [1.1] WANG, Mingjing - HOU, Tianyi - SHEN, Zhurui - ZHAO, Xiaodong - JI, Huiming. MOF-derived Fe₂O₃: Phase control and effects of phase composition on gas sensing performance. In *SENSORS AND ACTUATORS B-CHEMICAL*, 2019, vol. 292, pp. 171-179., Registrované v: WOS

5. [1.1] ZHANG, Hongwen - WANG, Yingying - ZHU, Xiaoguang - LI, Yue - CAI, Weiping. Bilayer Au nanoparticle-decorated WO₃ porous thin films: On-chip fabrication and enhanced NO₂ gas sensing performances with high selectivity. In *SENSORS AND ACTUATORS B-CHEMICAL*. ISSN 0925-4005, 2019, vol. 280, pp. 192-200., Registrované v: WOS

ADCA290 CIZEK, J. - LUKAC, F. - PROCHAZKA, I. - KUZEL, R. - JIRASKOVA, Y. - JANIČKOVIČ, Dušan - ANWAND, W. - BRAUER, G. Characterization of quenched-in vacancies in Fe-Al alloys. In *Physica B: Condensed Matter*, 2012, vol. 407, no. 14, p. 2659-2664. (2011: 1.063 - IF, Q3 - JCR, 0.595 - SJR, Q2 - SJR, karentované - CCC). (2012 - Current Contents). ISSN 0921-4526. Dostupné na: <https://doi.org/10.1016/j.physb.2011.12.122>

Citácie:

1. [1.1] EHRLER, Jonathan - LIEDKE, Maciej Oskar - CIZEK, Jakub - BOUCHER, Richard - BUTTERLING, Maik - ZHOU, Shengqiang - BOETTGER, Roman - HIRSCHMANN, Eric - THU TRANG TRINH - WAGNER, Andreas - LINDNER, Juergen - FASSBENDER, Juergen - LEYENS, Christoph - POTZGER,

- Kay - BALI, Rantej. *The role of open-volume defects in the annihilation of antisites in a B2-ordered alloy*. In ACTA MATERIALIA. ISSN 1359-6454, 2019, vol. 176, pp. 167-176., Registrované v: WOS
2. [1.1] FRIAK, Martin - VSIANSKA, Monika - SOB, Mojmir. *A Quantum-Mechanical Study of Clean and Cr-Segregated Antiphase Boundaries in Fe₃Al*. In MATERIALS, 2019, vol. 12, no. 23, 3954., Registrované v: WOS
3. [1.1] MIHALIKOVA, Ivana - FRIAK, Martin - KOUTNA, Nikola - HOLEC, David - SOB, Mojmir. *An Ab Initio Study of Vacancies in Disordered Magnetic Systems: A Case Study of Fe-Rich Fe-Al Phases*. In MATERIALS. ISSN 1996-1944, 2019, vol. 12, no. 9, 1430., Registrované v: WOS
4. [1.1] ZHANG, Dahao - ZHANG, Jing - XI, Guoqiang - WAN, Xin - YANG, Chengbo - MO, Xueyan - LIU, Shuang - ZHONG, Minghong - PAN, Fusheng. *The effects of induction quenching and pre-strain levels on twin behavior in extruded ZK21 magnesium alloy*. In MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING. ISSN 0921-5093, 2019, vol. 740, pp. 295-304., Registrované v: WOS

ADCA291 COCKAYNE, E. - MIHALKOVIČ, Marek - HENLEY, Ch. L. Structure of periodic crystals and quasicrystals in ultrathin films of Ba-Ti-O. In Physical Review B, 2016, vol. 93, no. 2, 020101R. (2015: 3.718 - IF, Q1 - JCR, 2.377 - SJR, Q1 - SJR, karentované - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.93.020101>

Citácie:

1. [1.1] FOERSTER, Stefan - SCHENK, Sebastian - ZOLLNER, Eva Maria - KRAHN, Oliver - CHIANG, Cheng-Tien - SCHUMANN, Florian O. - BAYAT, Alireza - SCHINDLER, Karl-Michael - TRAUTMANN, Martin - HAMMER, Rene - MEINEL, Klaus - ADEAGBO, Waheed A. - HERGERT, Wolfram - FLEGE, Jan Ingo - FALTA, Jens - ELLGUTH, Martin - TUSCHE, Christian - DEBOISSIEU, Marc - MUNTWILER, Matthias - GREBER, Thomas - WIDDERA, Wolf. *Quasicrystals and their Approximants in 2D Ternary Oxides*. In PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS. ISSN 0370-1972, 2019, 1900624., Registrované v: WOS

ADCA292 COCOLIOS, T.E. - DEXTERS, W. - SELIVERSTOV, M.D. - ANDREYEV, A.N. - ANTALIC, S. - BARZAKH, A.E. - BASTIN, B. - BUESCHER, J. - DARBY, I.G. - FEDOROV, D.V. - FEDOSSEYEV, V.N. - FLANAGAN, K.T. - FRANCHOO, S. - FRITZSCHE, S. - HUBER, G. - HUYSE, M. - KEUPERS, M. - KOESTER, U. - KUDRYAVTSEV, Yu. - MANE, E. - MARSH, B.A. - MOLKANOV, P.L. - PAGE, R.D. - SJOEDIN, A.M. - STEFAN, I. - VAN DE WALLE, J. - VAN DUPPEN, P. - VENHART, Martin - ZEMLYANOY, S.G. - BENDER, M. - HEENEN, P.-H. Early onset of ground state deformation in neutron deficient polonium isotopes. In Physical Review Letters, 2011, vol. 106, no. 5, 052503. (2010: 7.622 - IF, Q1 - JCR, 6.450 - SJR, Q1 - SJR, karentované - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.106.052503>

Citácie:

1. [1.1] GORGES, C. - RODRIGUEZ, L. V. - BALABANSKI, D. L. - BISSELL, M. L. - BLAUM, K. - CHEAL, B. - RUIZ, R. F. Garcia - GEORGIEV, G. - GINS, W. - HEYLEN, H. - KANELAKOPOULOS, A. - KAUFMANN, S. - KOWALSKA, M. - LAGAKI, V. - LECHNER, S. - MAASS, B. - MALBRUNOT-ETTENAUER, S. - NAZAREWICZ, W. - NEUGART, R. - NEYENS, G. - NOERTERSHAEUSER, W. - REINHARD, P.-G. - SAILER, S. - SANCHEZ, R. - SCHMIDT, S. - WEHNER, L. - WRAITH, C. - XIE, L. - XU, Z. Y. - YANG, X. F. - YORDANOV, D. T. *Laser*

Spectroscopy of Neutron-Rich Tin Isotopes: A Discontinuity in Charge Radii across the $N=82$ Shell Closure. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 122, no. 19, 192502., Registrované v: WOS

2. [1.1] RAEDER, S. - HEGGEN, H. - TEIGELHOEFER, A. - LASSEN, J.

Determination of the first ionization energy of polonium by resonance ionization spectroscopy part I: Measurement of even-parity Rydberg states at TRIUMF-ISAC. In SPECTROCHIMICA ACTA PART B-ATOMIC SPECTROSCOPY. ISSN 0584-8547, 2019, vol. 151, pp. 65-71., Registrované v: WOS

3. [1.1] SINGH, Balraj - BASUNIA, M. S. - MARTIN, Murray - MCCUTCHAN, E. A. - BALA, Indu - CABALLERO-FOLCH, R. - CANAVAN, Rhiann - CHAKRABARTI, Ritwika - CHEKHOVSKA, A. - GRINDER, M. M. - KAIM, Samra - KANJILAL, Debasmita - KASPEROVYCH, D. - KOBRA, M. J. - KOURA, H. - NANDI, Soumen - OLACEL, Adina - SINGH, Abhilasha - TEE, B. P. E.

Nuclear Data Sheets for $A=218$. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2019, vol. 160, pp. 405-471., Registrované v: WOS

- ADCA293 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. - JERTEL, Matej - KRUMREY, M. - LAFFORD, T.A. - LAMPERTI, A. - MATYI, R.J. - MEDUNA, M. - MILITA, S. - SAKURAI, K. - SHABELNIKOV, L. - ULYANENKOV, A. - LEE VAN DER, A. - WIENER, C. Reproducibility in x-ray reflectometry: results from the first world-wide Round Robin experiment. In Journal of Applied Crystallography, 2008, vol. 41, no. 1, p. 143-152. (2007: 3.629 - IF, Q1 - JCR, 1.660 - SJR, Q1 - SJR). ISSN 0021-8898. Dostupné na: <https://doi.org/10.1107/S0021889807051904>

Citácie:

1. [1.1] HOENICKE, Philipp - DETLEFS, Blanka - NOLOT, Emmanuel - KAYSER, Yves - MUEHLE, Uwe - POLLAKOWSKI, Beatrix - BECKHOFF, Burkhard. Reference-free grazing incidence x-ray fluorescence and reflectometry as a methodology for independent validation of x-ray reflectometry on ultrathin layer stacks and a depth-dependent characterization. In JOURNAL OF VACUUM SCIENCE & TECHNOLOGY A. ISSN 0734-2101, 2019, vol. 37, no. 4, 041502., Registrované v: WOS

2. [1.1] PAZZAGLIA, Andrea - MAFFINI, Alessandro - DELLASEGA, David - LAMPERTI, Alessio - PASSONI, Matteo. Reference-free evaluation of thin films mass thickness and composition through energy dispersive X-ray spectroscopy. In MATERIALS CHARACTERIZATION. ISSN 1044-5803, 2019, vol. 153, pp. 92-102., Registrované v: WOS

- ADCA294 CONDE, C.F. - CONDE, A. - JANIČKOVIČ, Dušan - ŠVEC, Peter. Composition dependence of Curie temperature and microstructure in amorphous Fe-Co-Mo-Cu-B metallic glasses. In Journal of Magnetism and Magnetic Materials, 2006, vol. 304, no. 2, p. E739-E742. (2005: 0.985 - IF, Q2 - JCR, 0.699 - SJR, Q2 - SJR, karentované - CCC). (2006 - Current Contents, WOS, SCOPUS). ISSN 0304-8853. Dostupné na: <https://doi.org/10.1016/j.jmmm.2006.02.208>

Citácie:

1. [1.1] ZUO, B. - YU, X. - WANG, X. N. - WANG, Z. Q. Microstructure and Properties of $Fe_{80-x}Co_xZr_{10-y}Nb_yB_{10}$ Alloys. In METAL SCIENCE AND HEAT TREATMENT. ISSN 0026-0673, 2019, vol. 61, no. 1-2, pp. 23-26., Registrované v: WOS

- ADCA295 CUCCHIERI, A. - MAAS, Axel - MENDES, T. Three-point vertices in Landau-gauge Yang-Mills theory. In Physical Review D, 2008, vol. 77, no. 9, 094510. (2007: 4.696 - IF, Q1 - JCR, 2.593 - SJR, Q1 - SJR, karentované - CCC). (2008 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na:

<https://doi.org/10.1103/PhysRevD.77.094510>

Citácie:

1. [1.1] AGUILAR, A. C. - FERREIRA, M. N. - FIGUEIREDO, C. T. - PAPAVALASSILIOU, J. Gluon mass scale through nonlinearities and vertex interplay. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2019, vol. 100, no. 9, 094039, Registrované v: WOS
2. [1.1] AGUILAR, A. C. - FERREIRA, M. N. - FIGUEIREDO, C. T. - PAPAVALASSILIOU, J. Nonperturbative Ball-Chiu construction of the three-gluon vertex. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2019, vol. 99, no. 9, 094010., Registrované v: WOS
3. [1.1] AGUILAR, A. C. - FERREIRA, M. N. - FIGUEIREDO, C. T. - PAPAVALASSILIOU, J. Nonperturbative structure of the ghost-gluon kernel. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2019, vol. 99, no. 3, 034026., Registrované v: WOS
4. [1.1] GRACEY, John A. - PELAEZ, Marcela - REINOSA, Urko - TISSIER, Matthieu. Two-loop calculation of Yang-Mills propagators in the Curci-Ferrari model. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2019, vol. 100, no. 3, 034023., Registrované v: WOS

ADCA296 ČAVOJSKÝ, Miroslav - BALOG, Martin - DVOŘÁK, Jiří - ILLEKOVÁ, Emília - ŠVEC, Peter - KRÍŽIK, Peter - JANIČKOVIČ, Dušan - SIMANČÍK, František. Microstructure and properties of extruded rapidly solidified AlCr_{4.7}Fe_{1.1}Si_{0.3} (at. %) alloys. In *Materials Science and Engineering A - Structural Materials Properties Microstructure and Processing*, 2012, vol. 549, p.233-241. (2011: 2.003 - IF, Q2 - JCR, 1.740 - SJR, Q1 - SJR, karentované - CCC). (2012 - Current Contents, SCOPUS, WOS). ISSN 0921-5093. Dostupné na: <https://doi.org/10.1016/j.msea.2012.04.051>

Citácie:

1. [1.1] EZEMENAKA, D. - PHIRI, A. - KHVAN, A. - CHEVERIKIN, V - FARTUSHNA, I - DINSDALE, A. An experimental investigation of phase transformations in the Al-rich corner of the Al-Cr-Fe system. In *JOURNAL OF ALLOYS AND COMPOUNDS*. ISSN 0925-8388, 2019, vol. 808, UNSP 151692., Registrované v: WOS

ADCA297 ČENČARIKOVÁ, Hana** - STREČKA, Jozef - GENDIAR, Andrej. Magnetization processes and existence of reentrant phase transitions in coupled spin-electron model on doubly decorated planar lattices. In *Journal of Magnetism and Magnetic Materials*, 2018, vol. 452, p. 512-521. (2017: 3.046 - IF, Q2 - JCR, 0.786 - SJR, Q1 - SJR, karentované - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 0304-8853. Dostupné na: <https://doi.org/10.1016/j.jmmm.2017.10.056>

Citácie:

1. [1.1] CARVALHO, R. C. P. - PEREIRA, M. S. S. - DE OLIVEIRA, I. N. - LYRA, M. L. Magnetic field influence on kinetically-induced frustration in a hybrid spin-electron ladder. In *PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS*. ISSN 0378-4371, 2019, vol. 526, 121116., Registrované v: WOS

ADCA298 ČERNÍČKOVÁ, I. - ŠVEC, Peter - WATANABE, S. - ČAPLOVIČ, L. - MIHALKOVIČ, Marek - KOLESÁR, V. - PRIPUTEN, P. - BEDNARČÍK, J. - JANIČKOVIČ, Dušan - JANOVEC, J. Fine structure of phases of epsilon-family in Al_{73.8}Pd_{11.9}Co_{14.3} alloy. In *Journal of Alloys and Compounds*, 2014, vol. 609, p. 73-79. (2013: 2.726 - IF, Q1 - JCR, 1.064 - SJR, karentované - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 0925-8388. Dostupné na: <https://doi.org/10.1016/j.jallcom.2014.04.044>

Citácie:

1. [1.1] HE, Zhanbing - LI, Hua - MA, Haikun - MA, Xiuliang. Hexagonal

structural block consisting of 2 nm decagonal clusters in Al₆₀Cr₂₀Fe₁₀Si₁₀ alloy. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2019, vol. 788, pp. 685-689., Registrované v: WOS

- ADCA299 DACHRAOUI, H. - MICHELSWIRTH, M. - ŠIFFALOVIČ, Peter - BARTZ, P. - SCHAEFER, C. - SCHNATWINKEL, B. - MATTAY, J. - PHEIFFER, W. - DRESCHER, M. - HEINZMANN, U. Photoinduced reconfiguration cycle in a molecular adsorbate layer studied by femtosecond inner-shell photoelectron spectroscopy. In Physical Review Letters, 2011, vol. 106, no. 10, 107401. (2010: 7.622 - IF, Q1 - JCR, 6.450 - SJR, Q1 - SJR, karentované - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.106.107401>

Citácie:

1. [1.1] ROTH, Friedrich - NEPPL, Stefan - SHAVORSKIY, Andrey - ARION, Tiberiu - MAHL, Johannes - SEO, Hyun Ook - BLUHM, Hendrik - HUSSAIN, Zahid - GESSNER, Oliver - EBERHARDT, Wolfgang. Efficient charge generation from triplet excitons in metal-organic heterojunctions. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 99, no. 2, 020303., Registrované v: WOS

- ADCA300 DANIEL, R. - KECKES, J. - MAŤKO, Igor - BURGHAMMER, M. - MITTERER, C. Origins of microstructure and stress gradients in nanocrystalline thin films: The role of growth parameters and self-organization. In Acta Materialia, 2013, vol. 61, no. 16, p. 6255-6266. (2012: 3.941 - IF, Q1 - JCR, 3.370 - SJR, Q1 - SJR, karentované - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 1359-6454. Dostupné na: <https://doi.org/10.1016/j.actamat.2013.07.009>

Citácie:

1. [1.1] ASCHAUER, E. - BARTOSIK, M. - BOLVARDI, H. - ARNDT, M. - POLCIK, P. - DAVYDOK, A. - KRYWKA, C. - RIEDL, H. - MAYRHOFER, P. H. Strain and stress analyses on thermally annealed Ti-Al-N/Mo-Si-B multilayer coatings by synchrotron X-ray diffraction. In SURFACE & COATINGS TECHNOLOGY. ISSN 0257-8972, 2019, vol. 361, pp. 364-370., Registrované v: WOS

2. [1.1] YANG, Wen-Sheng - SUN, Ta-Huang - CHEN, Sheng-Chi - JEN, Shien-Uang - GUO, Han-Jie - LIAO, Ming-Han - CHEN, Jiann-Ruey. Comparison of microstructures and magnetic properties in FePt alloy films deposited by direct current magnetron sputtering and high power impulse magnetron sputtering. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2019, vol. 803, pp. 341-347., Registrované v: WOS

- ADCA301 DE BOISSIEU, M. - FRANCOUAL, S. - MIHALKOVIČ, Marek - SHIBATA, K. - BARON, A.Q.R. - SIDIS, Y. - ISHIMASA, T. - WU, D. - LOGRASSO, T. - REGNAULT, L.-P. - GAHLER, F. - TSUTSUI, S. - HENNION, B. - BASTIE, P. - SATO, T.J. - TAKAKURA, H. - CURRAT, R. - TSAI, A.P. Lattice dynamics of the Zn-Mg-Sc icosahedral quasicrystal and its Zn-Sc periodic 1/1 approximant. In Nature Materials, 2007, vol. 6, no. 12, p. 977-984. (2006: 19.194 - IF, Q1 - JCR, 9.562 - SJR, Q1 - SJR, karentované - CCC). (2007 - Current Contents). ISSN 1476-1122. Dostupné na: <https://doi.org/10.1038/nmat2044>

Citácie:

1. [1.1] STRZALKA, Radoslaw - BUGANSKI, Ireneusz - KUCZERA, Pawel - PYTLIK, Lucjan - WOLNY, Janusz. Atomic Structure of Decagonal Al-Cu-Rh Quasicrystal-Revisited: New Correction for Phonons. In CRYSTALS. ISSN 2073-4352, 2019, vol. 9, no. 2, 78., Registrované v: WOS

- ADCA302 DELBECQ, M.R. - NAKAJIMA, T. - STAŇO, Peter - OTSUKA, T. - AMAHA, S. - YONEDA, J. - TAKEDA, K. - ALLISON, G. - LUDWIG, A. - WIECK, A.D. - TARUCHA, S. Quantum dephasing in a gated GaAs triple quantum dot due to

nonergodic noise. In *Physical Review Letters*, 2016, vol. 116, no. 4, 046802. (2015: 7.645 - IF, Q1 - JCR, 4.656 - SJR, Q1 - SJR, karentované - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.116.046802>

Citácie:

1. [1.1] CHEN, Hong-Bin - LO, Ping-Yuan - GNEITING, Clemens - BAE, Joonwoo - CHEN, Yueh-Nan - NORI, Franco. Quantifying the nonclassicality of pure dephasing. In *NATURE COMMUNICATIONS*. ISSN 2041-1723, 2019, vol. 10, 3794., Registrované v: WOS
2. [1.1] HUANG, W. - YANG, C. H. - CHAN, K. W. - TANTTU, T. - HENSEN, B. - LEON, R. C. C. - FOGARTY, M. A. - HWANG, J. C. C. - HUDSON, F. E. - ITOH, K. M. - MORELLO, A. - LAUCHT, A. - DZURAK, A. S. Fidelity benchmarks for two-qubit gates in silicon. In *NATURE*. ISSN 0028-0836, 2019, vol. 569, no. 7757, pp. 532-+, Registrované v: WOS
3. [1.1] REIGUE, Antoine - HOSTEIN, Richard - VOLIOTIS, Valia. Resonance fluorescence of a single semiconductor quantum dot: the impact of a fluctuating electrostatic environment. In *SEMICONDUCTOR SCIENCE AND TECHNOLOGY*. ISSN 0268-1242, 2019, vol. 34, no. 11, 113001., Registrované v: WOS
4. [1.1] SAKULDEE, Fattah - CYWINSKI, Lukasz. Characterization of a quasistatic environment with a qubit. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2019, vol. 99, no. 6, 062113., Registrované v: WOS
5. [1.1] ZHAO, R. - TANTTU, T. - TAN, K. Y. - HENSEN, B. - CHAN, K. W. - HWANG, J. C. C. - LEON, R. C. C. - YANG, C. H. - GILBERT, W. - HUDSON, F. E. - ITOH, K. M. - KISELEV, A. A. - LADD, T. D. - MORELLO, A. - LAUCHT, A. - DZURAK, A. S. Single-spin qubits in isotopically enriched silicon at low magnetic field. In *NATURE COMMUNICATIONS*. ISSN 2041-1723, 2019, vol. 10, 5500., Registrované v: WOS

ADCA303 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.

Citácie:

1. [1.1] MATSUDO, Ryutaro - SHIBATA, Akihiro - KATO, Seikou - KONDO, Kei-Ichi. How to extract the dominant part of the Wilson loop average in higher representations. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2019, vol. 100, no. 1, 014505., Registrované v: WOS

ADCA304 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.

Citácie:

1. [1.1] NEJAD, Seyed Mohsen Hosseini. Domain structures and quark potentials in SU(3) gauge theory. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2019, vol. 100, no. 11, 114504., Registrované v: WOS
2. [1.1] OXMAN, L. E. - SIMOES, G. M. k-strings with exact Casimir law and Abelian-like profiles. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2019, vol. 99, no. 1, 016011., Registrované v: WOS

ADCA305 DEL DEBBIO, L. - FABER, M. - GIEDT, J. - GREENSITE, J. - OLEJNÍK, Štefan. Detection of center vortices in the lattice Yang-Mills vacuum. In *Physical Review D*, 1998, vol. 58, no. 9, 094501. (1997: 3.420 - IF, karentované - CCC). (1998 - Current Contents, WOS, SCOPUS). ISSN 1550-7998.

Citácie:

1. [1.1] CAMPAGNARI, Davide - REINHARDT, Hugo. Equal-time quark

propagator in Coulomb gauge. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 100, no. 11, 114042., Registrované v: WOS

2. [1.1] OXMAN, L. E. - SIMOES, G. M. *k-strings with exact Casimir law and Abelian-like profiles. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 99, no. 1, 016011., Registrované v: WOS*

ADCA306 DE MARTINI, F. - BUŽEK, Vladimír - SCIARRINO, F. Experimental realization of the quantum universal NOT gate. In Nature, 2002, vol. 419, no. 6909, p. 815-818. (2002 - Current Contents). ISSN 0028-0836. Dostupné na: <https://doi.org/10.1038/nature01093>

Citácie:

1. [1.1] KLOBUS, Waldemar - LASKOWSKI, Wieslaw - PATEREK, Tomasz - WIESNIAK, Marcin - WEINFURTER, Harald. *Higher dimensional entanglement without correlations. In EUROPEAN PHYSICAL JOURNAL D. ISSN 1434-6060, 2019, vol. 73, no. 2, 29., Registrované v: WOS*

2. [1.1] WANG, Zhan-Yun - GOU, Yi-Tao - HOU, Jin-Xing - CAO, Li-Ke - WANG, Xiao-Hui. *Probabilistic Resumable Quantum Teleportation of a Two-Qubit Entangled State. In ENTROPY, 2019, vol. 21, no. 4, 352., Registrované v: WOS*

ADCA307 DE OLIVEIRA, F.A.M. - KIM, M.S. - KNIGHT, P.L. - BUŽEK, Vladimír. Properties of displaced number states. In Physical Review A, 1990, vol. 41, no. 5, p. 2645-2652. ISSN 1050-2947. Dostupné na: <https://doi.org/10.1088/1464-4266/2/4/314>

Citácie:

1. [1.1] ANAYA-CONTRERAS, Jorge A. - ZUNIGA-SEGUNDO, Arturo - MOYA-CESSA, Hector M. *Quasiprobability Distribution Functions from Fractional Fourier Transforms. In SYMMETRY-BASEL, 2019, vol. 11, no. 3, 344., Registrované v: WOS*

2. [1.1] ANBARAKI, Azam. *Entangled nonlinear displaced number states. In OPTIK. ISSN 0030-4026, 2019, vol. 176, pp. 287-294., Registrované v: WOS*

3. [1.1] MALPANI, Priya - ALAM, Nasir - THAPLIYAL, Kishore - PATHAK, Anirban - NARAYANAN, V. - BANERJEE, Subhashish. *Lower- and Higher-Order Nonclassical Properties of Photon Added and Subtracted Displaced Fock States. In ANNALEN DER PHYSIK. ISSN 0003-3804, 2019, vol. 531, no. 2, 1800318., Registrované v: WOS*

4. [1.1] OTHMAN, Anas. *TELEPORTATION VIA THE ENTANGLED DERIVATIVE OF COHERENT STATE. In QUANTUM INFORMATION & COMPUTATION. ISSN 1533-7146, 2019, vol. 19, no. 1-2, pp. 14-22., Registrované v: WOS*

5. [1.1] SHRINGARPURE, S. U. - FRANSON, J. D. *Generating photon-added states without adding a photon. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 4, 043802., Registrované v: WOS*

6. [1.1] SYCHEV, Demid V. - NOVIKOV, Valeriy A. - PIROV, Khurram K. - SIMON, Christoph - LVOVSKY, Alexander I. *Entanglement of macroscopically distinct states of light. In OPTICA. ISSN 2334-2536, 2019, vol. 6, no. 11, pp. 1425-1430., Registrované v: WOS*

7. [1.1] TORREAO, Jose R. A. - AMARAL, Marcos S. *Quantum-like signal-tuned approach to V1 modeling. In INTERNATIONAL JOURNAL OF MODERN PHYSICS C. ISSN 0129-1831, 2019, vol. 30, no. 5, 1950032., Registrované v: WOS*

8. [1.1] WOLF, Fabian - SHI, Chunyan - HEIP, Jan C. - GESSNER, Manuel - PEZZE, Luca - SMERZI, Augusto - SCHULTE, Marius - HAMMERER, Klemens - SCHMIDT, Piet O. *Motional Fock states for quantum-enhanced amplitude and phase measurements with trapped ions. In NATURE COMMUNICATIONS. ISSN*

2041-1723, 2019, vol. 10, 2929., Registrované v: WOS

9. [1.1] ZOU, Fen - FAN, Li-Bao - HUANG, Jin-Feng - LIAO, Jie-Qiao.

Enhancement of few-photon optomechanical effects with cross-Kerr nonlinearity.

In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 99, no. 4, 043837.,

Registrované v: WOS

ADCA308

DERKA, R. - BUŽEK, Vladimír - EKERT, A.K. Universal algorithm for optimal estimation of quantum states from finite ensembles via realizable generalized measurement. In Physical Review Letters, 1998, vol. 80, no. 8, p. 1571-1575. (1997: 6.140 - IF, karentované - CCC). (1998 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Citácie:

1. [1.1] KANG, Guo-Dong - ZHOU, Qing-Ping - FANG, Mao-Fa. Measurement-device-independent quantum key distribution with uncharacterized coherent sources. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2019, vol. 19, no. 1, 1., Registrované v: WOS

2. [1.1] LEE, Yonghae - JOO, Jaewoo - LEE, Soojoon. Hybrid quantum linear equation algorithm and its experimental test on IBM Quantum Experience. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2019, vol. 9, 4778., Registrované v: WOS

3. [1.1] RAN, Du - SHAN, Wu-Jiang - SHI, Zhi-Cheng - YANG, Zhen-Biao - SONG, Jie - XIA, Yan. Manipulation of Multi-Level Quantum Systems via Unsharp Measurements and Feedback Operations. In ANNALEN DER PHYSIK. ISSN 0003-3804, 2019, vol. 531, no. 11, 1900063., Registrované v: WOS

4. [1.1] REZAZADEH, F. - MANI, A. - KARIMPOUR, V. Power of a shared singlet state in comparison to a shared reference frame. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 2, 022329., Registrované v: WOS

5. [1.1] TAVAKOLI, Armin - ROSSET, Denis - RENOU, Marc-Olivier. Enabling Computation of Correlation Bounds for Finite-Dimensional Quantum Systems via Symmetrization. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 122, no. 7, 070501., Registrované v: WOS

6. [1.1] UPPU, Ravitej - WOLTERINK, Tom A. W. - GOORDEN, Sebastianus A. - CHEN, Bin - SKORIC, Boris - MOSK, Allard P. - PINKSE, Pepijn W. H. Asymmetric cryptography with physical unclonable keys. In QUANTUM SCIENCE AND TECHNOLOGY. ISSN 2058-9565, 2019, vol. 4, no. 4, 045011., Registrované v: WOS

7. [1.1] WANG, MingHao - CAI, QingYu. Duplicating classical bits with universal quantum cloning machine. In SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY. ISSN 1674-7348, 2019, vol. 62, no. 3, 030312., Registrované v: WOS

ADCA309

DERZSI, Mariana** - GRZELAK, Adam* - KONDRATIUK, Paweł* - TOKÁR, Kamil* - GROCHALA, Wojciech*. Quest for Compounds at the Verge of Charge Transfer Instabilities: The Case of Silver(II) Chloride. In Crystals, 2019, vol. 9, no. 8, 423. (2018: 2.061 - IF, Q2 - JCR, 0.497 - SJR, Q2 - SJR, karentované - CCC). (2019 - Current Contents). ISSN 2073-4352. First-Principles Prediction of Structures and Properties in Crystals. (2018: 2.061 - IF, Q2 - JCR, 0.497 - SJR, Q2 - SJR, karentované - CCC). Dostupné na: <https://doi.org/10.3390/cryst9080423>

Citácie:

1. [1.1] HERMANN, Andreas - KURZYDLOWSKI, Dominik. First-Principles Prediction of Structures and Properties in Crystals. In CRYSTALS. ISSN 2073-4352, 2019, vol. 9, no. 9, 463., Registrované v: WOS

ADCA310

DIETZEL, Dirk - BRNDIAR, Ján - ŠTICH, Ivan - ŠTICH, Ivan - SCHIRMEISEN, André. Limitations of structural superlubricity : chemical bonds versus contact size.

In ACS Nano, 2017, vol. 11, no. 8, p. 7642-7647. (2016: 13.942 - IF, Q1 - JCR, 6.948 - SJR, Q1 - SJR, karentované - CCC). (2017 - Current Contents). ISSN 1936-0851. Dostupné na: <https://doi.org/10.1021/acsnano.7b02240>

Citácie:

1. [1.1] BABAGHOLAMI, Behnaz - SADEGHI, Ali - ETEZADIFAR, M. *Partial commensuration and Amontons laws of friction adapted for large atomic interfaces. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 99, no. 16, pp., Registrované v: WOS*
2. [1.1] HOU, Lizhen - MEAD, James Lee - WANG, Shiliang - HUANG, Han. *The kinetic frictional shear stress of ZnO nanowires on graphite and mica substrates. In APPLIED SURFACE SCIENCE. ISSN 0169-4332, 2019, vol. 465, no., pp. 584-590., Registrované v: WOS*
3. [1.1] VAZIRISERESHK, Mohammad R. - YE, Han - YE, Zhijiang - OTERO-DE-LA-ROZA, Alberto - ZHAO, Meng-Qiang - GAO, Zhaoli - JOHNSON, A. T. Charlie - JOHNSON, Erin R. - CARPICK, Robert W. - MARTINI, Ashlie. *Origin of Nanoscale Friction Contrast between Supported Graphene, MoS₂, and a Graphene/MoS₂ Heterostructure. In NANO LETTERS. ISSN 1530-6984, 2019, vol. 19, no. 8, pp. 5496-5505., Registrované v: WOS*
4. [1.1] WANG, Jin - CAO, Wei - SONG, Yiming - QU, Cangyu - ZHENG, Quanshui - MA, Ming. *Generalized Scaling Law of Structural Superlubricity. In NANO LETTERS. ISSN 1530-6984, 2019, vol. 19, no. 11, pp. 7735-7741., Registrované v: WOS*
5. [1.1] WANG, Peng - ZHANG, Guangan - LU, Zhibin - YUE, Wen - ZHU, Lina. *Tribological behaviors of Pb/MoS₂ film under electrical condition in vacuum. In MATERIALS RESEARCH EXPRESS. ISSN 2053-1591, 2019, vol. 6, no. 7, pp., Registrované v: WOS*
6. [1.1] WANG, Wen - SHEN, Jian - HE, Q-C. *Microscale superlubricity of graphite under various twist angles. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 99, no. 5, pp., Registrované v: WOS*
7. [1.1] ZHAI, Wenzheng - ZHOU, Kun. *Nanomaterials in Superlubricity. In ADVANCED FUNCTIONAL MATERIALS. ISSN 1616-301X, 2019, vol. 29, no. 28, pp., Registrované v: WOS*
8. [3.1] MÜSER, M.H. *Are there limits to superlubricity of graphene in hard, rough contacts? In Frontiers in Mechanical Engineering. 2019, vol. 5, no. 28, pp. 1-14. doi: 10.3389/fmech.2019.00028.*

ADCA311

DI GIACOMO, A. - MAGGIORE, M. - OLEJNÍK, Štefan. *Confinement and chromoelectric flux tubes in lattice QCD. In Nuclear Physics B, 1990, vol. 347, no. 1-2, p. 441-460. ISSN 0550-3213. Dostupné na: [https://doi.org/10.1016/0550-3213\(90\)90567-W](https://doi.org/10.1016/0550-3213(90)90567-W)*

Citácie:

1. [1.1] BAKER, M. - CEA, P. - CHELNOKOV, V. - COSMAI, L. - CUTERI, F. - PAPA, A. *Isolating the confining color field in the SU(3) flux tube. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2019, vol. 79, no. 6, 478., Registrované v: WOS*
2. [1.1] BATTELLI, Nico - BONATI, Claudio. *Color flux tubes in SU(3) Yang-Mills theory: An investigation with the connected correlator. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 99, no. 11, 114501., Registrované v: WOS*
3. [1.1] BICUDO, P. - CARDOSO, N. - CARDOSO, M. *Pure gauge flux tubes and their widths at finite temperature. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2019, vol. 940, pp. 88-112., Registrované v: WOS*
4. [1.1] DAWID, Sebastian M. - SZCZEPANIAK, Adam P. *Coulomb flux tube*

revisited. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2019, vol. 100, no. 7, 074508., Registrované v: WOS

5. [1.1] MUELLER, Lasse - PHILIPSEN, Owe - REISINGER, Christian - WAGNER, Marc. Hybrid static potential flux tubes from SU(2) and SU(3) lattice gauge theory. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2019, vol. 100, no. 5, 054503., Registrované v: WOS

6. [1.1] NISHINO, Shogo - KONDO, Kei-ichi - SHIBATA, Akihiro - SASAGO, Takaaki - KATO, Seikou. Type of dual superconductivity for the SU(2) Yang-Mills theory. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2019, vol. 79, no. 9, 774., Registrované v: WOS

7. [1.1] SIMONOV, Yu A. Field correlator method for the confinement in QCD. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2019, vol. 99, no. 5, 056012., Registrované v: WOS

8. [1.1] YANAGIHARA, Ryosuke - IRITANI, Takumi - KITAZAWA, Masakiyo - ASAKAWA, Masayuki - HATSUDA, Tetsuo. Distribution of stress tensor around static quark-anti-quark from Yang-Mills gradient flow. In *PHYSICS LETTERS B*. ISSN 0370-2693, 2019, vol. 789, pp. 210-214., Registrované v: WOS

9. [1.1] YANAGIHARA, Ryosuke - KITAZAWA, Masakiyo. A study of stress-tensor distribution around the flux tube in the Abelian-Higgs model. In *PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS*. ISSN 2050-3911, 2019, no. 9, 093B02., Registrované v: WOS

ADCA312 DI GIACOMO, A. - MAGGIORE, M. - OLEJNÍK, Štefan. Evidence for flux tubes from cooled QCD configurations. In *Physics Letters B*, 1990, vol. 236, no. 2, p. 199-202. ISSN 0370-2693. Dostupné na: [https://doi.org/10.1016/0370-2693\(90\)90828-T](https://doi.org/10.1016/0370-2693(90)90828-T)
Citácie:

1. [1.1] BAKER, M. - CEA, P. - CHELNOKOV, V. - COSMAI, L. - CUTERI, F. - PAPA, A. Isolating the confining color field in the SU(3) flux tube. In *EUROPEAN PHYSICAL JOURNAL C*. ISSN 1434-6044, 2019, vol. 79, no. 6, 478., Registrované v: WOS

2. [1.1] BATTELLI, Nico - BONATI, Claudio. Color flux tubes in SU(3) Yang-Mills theory: An investigation with the connected correlator. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2019, vol. 99, no. 11., Registrované v: WOS

3. [1.1] BICUDO, P. - CARDOSO, N. - CARDOSO, M. Pure gauge flux tubes and their widths at finite temperature. In *NUCLEAR PHYSICS B*. ISSN 0550-3213, 2019, vol. 940, pp. 88-112., Registrované v: WOS

4. [1.1] MUELLER, Lasse - PHILIPSEN, Owe - REISINGER, Christian - WAGNER, Marc. Hybrid static potential flux tubes from SU(2) and SU(3) lattice gauge theory. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2019, vol. 100, no. 5, 054503., Registrované v: WOS

5. [1.1] PUNETHA, Garima - CHANDOLA, H. C. DUAL MEISSNER EFFECT AND QUARK CONFINEMENT POTENTIAL IN SU(3) DUAL QCD FORMALISM. In *ACTA PHYSICA POLONICA B*. ISSN 0587-4254, 2019, vol. 50, no. 9, pp. 1483-1500., Registrované v: WOS

6. [1.1] SIMONOV, Yu A. Field correlator method for the confinement in QCD. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2019, vol. 99, no. 5, 056012., Registrované v: WOS

ADCA313 DOBROZHAN, O. - OPANASYUK, A. - KOLESNYK, M. - DEMYDENKO, Maksym. Substructural investigations, Raman, and FTIR spectroscopies of nanocrystalline ZnO films deposited by pulsed spray pyrolysis. In *Physica Status Solidi A : Applications and Materials Science*, 2015, vol. 212, no. 12, pp. 2915 - 2921. (2014: 1.616 - IF, Q2 - JCR, 0.688 - SJR, Q1 - SJR, karentované - CCC). (2015 - Current Contents). ISSN 1862-6300. Dostupné na:

<https://doi.org/10.1002/pssa.201532324>

Citácie:

1. [1.1] WALTER, Timothy N. - LEE, Sora - ZHANG, Xiaotian - CHUBAROV, Mikhail - REDWING, Joan M. - JACKSON, Thomas N. - MOHNEY, Suzanne E. Atomic layer deposition of ZnO on MoS₂ and WSe₂. In *APPLIED SURFACE SCIENCE*. ISSN 0169-4332, 2019, vol. 480, pp. 43-51., Registrované v: WOS

- ADCA314 DOUPOVEC, Juraj - SITEK, J. - KAKOS, J. Crystallization of iron phosphate-glasses. In *Journal of Thermal Analysis and Calorimetry*, 1981, vol. 22, no. 2, p. 213-219. ISSN 1388-6150. Dostupné na: <https://doi.org/10.1007/BF01915267>

Citácie:

1. [1.1] KUCZEK, Justyna - SUŁOWSKA, Justyna - LACH, Radosław - SZUMERA, Magdalena. The glass formation and crystallization studies on iron phosphate-silicate glasses. In *JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY*. ISSN 1388-6150, 2019, vol. 138, no. 3, pp. 1953-1964., Registrované v: WOS

2. [1.1] PAVIC, Luka - NIKOLIC, Juraj - GRACA, Manuel P. F. - COSTA, Benilde F. O. - VALENTE, Manuel A. - SKOKO, Zeljko - SANTIC, Ana - MOGUS-MILANKOVIC, Andrea. Effect of controlled crystallization on polaronic transport in phosphate-based glass-ceramics. In *INTERNATIONAL JOURNAL OF APPLIED GLASS SCIENCE*. ISSN 2041-1286, 2019., Registrované v: WOS

- ADCA315 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.

Citácie:

1. [1.1] HUERTA ALDERETE, C. - MORALES RODRIGUEZ, M. P. - RODRIGUEZ-LARA, B. M. Engineering SU(1,1) circle times SU(1,1) vibrational states. In *SCIENTIFIC REPORTS*. ISSN 2045-2322, 2019, vol. 9, 2734., Registrované v: WOS

- ADCA316 DROBNÝ, Gabriel - JEX, I. Quantum-properties of field modes in trilinear optical processes. In *Physical Review A*, 1992, vol. 46, no. 1, pp. 499-506. ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.46.499>

Citácie:

1. [1.1] MARTINS, Alex Clesio Nunes - KLIMOV, Andrei B. - DE GUISE, Hubert. Correspondence rules for Wigner functions over SU(3)/U(2). In *JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL*. ISSN 1751-8113, 2019, vol. 52, no. 28, 285202., Registrované v: WOS

- ADCA317 DUBECKÝ, Matúš - DERIAN, René - MITAS, L. - ŠTICH, Ivan. Ground and excited electronic states of azobenzene: A quantum Monte Carlo study. In *Journal of Chemical Physics*, 2010, vol. 133, no. 24, 244301. (2009: 3.093 - IF, 2.040 - SJR, Q1 - SJR, karentované - CCC). (2010 - Current Contents). ISSN 0021-9606. Dostupné na: <https://doi.org/10.1063/1.3506028>

Citácie:

1. [1.1] DASH, Monika - FELDT, Jonas - MORONI, Saverio - SCEMAMA, Anthony - FILIPPI, Claudia. Excited States with Selected Configuration Interaction-Quantum Monte Carlo: Chemically Accurate Excitation Energies and Geometries. In *JOURNAL OF CHEMICAL THEORY AND COMPUTATION*. ISSN 1549-9618, 2019, vol. 15, no. 9, pp. 4896-4906., Registrované v: WOS

2. [1.1] MARTINS, Gabriel F. - CABRAL, Benedito J. C. Electron Propagator Theory Approach to the Electron Binding Energies of a Prototypical Photo-Switch Molecular System: Azobenzene. In *JOURNAL OF PHYSICAL CHEMISTRY A*. ISSN 1089-5639, 2019, vol. 123, no. 10, pp. 2091-2099., Registrované v: WOS

- ADCA318 DUBNIČKA, Stanislav - DUBNIČKOVÁ, Anna Zuzana - WEISENPACHER, Peter. Nucleon electromagnetic structure revisited. In Journal of Physics G: Nuclear and particle physics, 2003, vol. 29, no. 2, p. 405-429. (2002: 1.399 - IF). ISSN 0954-3899. Dostupné na: <https://doi.org/10.1088/0954-3899/29/2/316>
Citácie:
1. [1.1] BERLIN, Asher - KLING, Felix. Inelastic dark matter at the LHC lifetime frontier: ATLAS, CMS, LHCb, CODEX-b, FASER, and MATHUSLA. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 99, no. 1, 015021., Registrované v: WOS
2. [1.1] KARSHENBOIM, Savely G. - KORZININ, Evgeny Yu - SHELYUTO, Valery A. Relativistic finite-nuclear-size corrections to the energy levels in light muonic atoms. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 99, no. 3, 032508., Registrované v: WOS
- ADCA319 DUBNIČKA, Stanislav - DUBNIČKOVÁ, A. Z. - ISSADYKOV, A.** - IVANOV, M. A.** - LIPTAJ, Andrej**. Study of Bc decays into charmonia and D mesons. In Physical Review D, 2017, vol. 96, no. 7, art. no. 076017. (2016: 4.557 - IF, Q1 - JCR, 2.115 - SJR, Q1 - SJR, karentované - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.96.076017>
Citácie:
1. [1.2] DUTTA, Rupak. Predictions of $B \rightarrow c \rightarrow (D, D^*)\tau$ decay observables in the standard model and beyond. In Journal of Physics G: Nuclear and Particle Physics. ISSN 09543899, 2019, vol. 46, no. 3, 035008., Registrované v: SCOPUS
- ADCA320 DUBNIČKA, Stanislav - DUBNIČKOVÁ, A. Z. - IVANOV, M. A. - LIPTAJ, Andrej - SANTORELLI, P. - TRAN, C. T.**. Study of $B_s \rightarrow l+l-\gamma$ decays in covariant quark model. In Physical Review D, 2019, vol. 99, no. 1, art. no. 014042. (2018: 4.368 - IF, Q1 - JCR, 1.703 - SJR, Q1 - SJR, karentované - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.99.014042>
Citácie:
1. [1.2] DUBNIČKA, S. - DUBNIČKOVÁ, A. Z. - IVANOV, M. A. - LIPTAJ, A. - SANTORELLI, P. - TRAN, C. T. Study of $B_s \rightarrow \gamma$ decays in covariant quark model. In Physical Review D. ISSN 24700010, 2019, vol. 99, no. 1, 014042., Registrované v: SCOPUS
- ADCA321 DUBNIČKA, Stanislav - DUBNIČKOVÁ, A.Z. - KAMIŇSKI, R. - LIPTAJ, Andrej. Pion scalar form factor with correct mass and width of scalar mesons $f(0)(500)$ and $f(0)(980)$. In Physical Review D, 2016, vol. 94, no. 5, art. no. 054036. (2015: 4.506 - IF, Q2 - JCR, 2.236 - SJR, Q1 - SJR, karentované - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.94.054036>
Citácie:
1. [1.1] NESTERENKO, A. Explicit form of the R-ratio of electron-positron annihilation into hadrons. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2019, vol. 46, no. 11, 115006., Registrované v: WOS
- ADCA322 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 plus J/psi in a relativistic constituent quark model with infrared confinement. In Physical Review D, 2011, vol. 84, no. 1, 014006. (2010: 4.964 - IF, Q1 - JCR, 2.759 - SJR, Q1 - SJR, karentované - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na:

<https://doi.org/10.1103/PhysRevD.84.014006>

Citácie:

1. [1.1] CINCIÖGLU, E. - ÖZPİNECİ, A. Radiative decay of the $X(3872)$ as a mixed molecule-charmonium state in effective field theory. In *PHYSICS LETTERS B*. ISSN 0370-2693, 2019, vol. 797, UNSP 134856., Registrované v: WOS

ADCA323

DUBNIČKA, Stanislav - DUBNIČKOVÁ, A.Z. - IVANOV, M.A. - KORNER, J.G. Quark model description of the tetraquark state $X(3872)$ in a relativistic constituent quark model with infrared confinement. In *Physical Review D*, 2010, vol. 81, no. 11, 114007. (2009: 4.922 - IF, 2.792 - SJR, Q1 - SJR, karentované - CCC). (2010 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.81.114007>

Citácie:

1. [1.1] CINCIÖGLU, E. - ÖZPİNECİ, A. Radiative decay of the $X(3872)$ as a mixed molecule-charmonium state in effective field theory. In *PHYSICS LETTERS B*. ISSN 0370-2693, 2019, vol. 797, UNSP 134856., Registrované v: WOS

2. [1.1] ESAU, S. - PALAMETA, A. - KLEIV, R. T. - HARNETT, D. - STEELE, T. G. Axial vector cc and bb diquark masses from QCD Laplace sum rules. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2019, vol. 100, no. 7, 074025., Registrované v: WOS

3. [1.1] GIACOSA, Francesco - PIOTROWSKA, Milena - COITO, Susana. $X(3872)$ as virtual companion pole of the charm-anticharm state $\chi(c1)(2P)$. In *INTERNATIONAL JOURNAL OF MODERN PHYSICS A*. ISSN 0217-751X, 2019, vol. 34, no. 29, 1950173., Registrované v: WOS

4. [1.1] YU, Guo-Liang - WANG, Zhi-Gang. Analysis of the $X(3842)$ as a D-wave charmonium meson. In *INTERNATIONAL JOURNAL OF MODERN PHYSICS A*. ISSN 0217-751X, 2019, vol. 34, no. 26, 1950151., Registrované v: WOS

ADCA324

DUBNIČKOVÁ, A.Z. - DUBNIČKA, Stanislav - REKALO, M.P. Investigation of the baryon electromagnetic structure by polarization effects in $e(+)e(-)B(B)$ over-bar processes. In *Nuovo Cimento della Societa Italiana di Fisica A*, 1996, vol. 109, no. 3, p. 241-156. ISSN 0369-3546.

Citácie:

1. [1.1] ABLIKIM, M. - ACHASOV, M. N. - ADLARSON, P. - et al. Complete Measurement of the. Electromagnetic Form Factors. In *PHYSICAL REVIEW LETTERS*, 2019, vol. 123, no. 12, 122003., Registrované v: WOS

2. [1.1] ABLIKIM, M. - ACHASOV, M. N. - AHMED, S. - et al. Polarization and entanglement in baryon-antibaryon pair production in electron-positron annihilation. In *NATURE PHYSICS*, 2019, vol. 15, no. 7, pp. 631-+., Registrované v: WOS

3. [1.1] ADLARSON, P. - LI, C. Lambda hyperon spin polarization and CP tests at BESIII. In *MESON 2018 15TH INTERNATIONAL WORKSHOP ON MESON PHYSICS*. ISSN 2100-014X, 2019, vol. 199, UNSP 03009., Registrované v: WOS

4. [1.1] LI, Hai-Bo - MA, Xin-Xin. Polarization difference between hyperons and antihyperons induced by an external magnetic field. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2019, vol. 100, no. 7, 076007., Registrované v: WOS

5. [1.1] PEROTTI, Elisabetta - FALDT, Goran - KUPSC, Andrzej - LEUPOLD, Stefan - SONG, Jiao Jiao. Polarization observables in $e(+)e(-)$ annihilation to a baryon-antibaryon pair. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2019, vol. 99, no. 5, 056008., Registrované v: WOS

ADCA325

DUHAJ, Pavol - BARANCOK, D. - ONDREJKA, A. Study of transformation kinetics of amorphous PD-SI alloys. In *Journal of Non-Crystalline Solids*, 1976, vol. 21, no. 3, p. 411-428. ISSN 0022-3093.

Citácie:

1. [1.1] LI, F. C. - LIU, T. - ZHANG, J. Y. - SHUANG, S. - WANG, Q. - WANG, A. D. - WANG, J. G. - YANG, Y. *Amorphous-nanocrystalline alloys: fabrication, properties, and applications*. In *MATERIALS TODAY ADVANCES*. ISSN 2590-0498, 2019, vol. 4., Registrované v: WOS
2. [1.1] TIAN, Yuan - JIAO, Wei - LIU, Pan - SONG, Shuangxi - LU, Zhen - HIRATA, Akihiko - CHEN, Mingwei. *Fast coalescence of metallic glass nanoparticles*. In *NATURE COMMUNICATIONS*. ISSN 2041-1723, 2019, vol. 10, 5249., Registrované v: WOS

ADCA326 DUHAJ, Pavol - ŠVEC, Peter - SITEK, J. - JANIČKOVIČ, Dušan. Thermodynamic, kinetic and structural aspects of the formation of nanocrystalline phases in Fe_{73.5}-xNiCu₁Nb₃Si_{13.5}B₉ alloys. In *Materials Science and Engineering A*, 2001, vol. 304, p. 178-186. (2000: 0.897 - IF, karentované - CCC). (2001 - Current Contents, WOS, SCOPUS). ISSN 0921-5093. Dostupné na: [https://doi.org/10.1016/S0921-5093\(00\)01461-1](https://doi.org/10.1016/S0921-5093(00)01461-1)

Citácie:

1. [1.1] LUKSHINA, V. A. - DMITRIEVA, N. V. - VOLKOVA, E. G. - SHISHKIN, D. A. *Magnetic Properties of the Fe_{63.5}Ni₁₀Cu₁Nb₃Si_{13.5}B₉ Alloy Nanocrystallized in the Presence of Tensile Stresses*. In *PHYSICS OF METALS AND METALLOGRAPHY*. ISSN 0031-918X, 2019, vol. 120, no. 4, pp. 320-324., Registrované v: WOS
2. [1.1] LUKSHINA, V. A. - DMITRIEVA, N. V. - VOLKOVA, E. G. - SHISHKIN, D. A. *Structure of the Fe_{63.5}Ni₁₀Cu₁Nb₃Si_{13.5}B₉ Alloy Nanocrystallized in the Presence of Tensile Stresses*. In *PHYSICS OF METALS AND METALLOGRAPHY*. ISSN 0031-918X, 2019, vol. 120, no. 12, pp. 1145-1151., Registrované v: WOS

ADCA327 DUSZA, Ján - ŠVEC, Peter Jr. - GIRMAN, Vladimír - SEDLÁK, Richard** - CASTLE, Elinor - CSANÁDI, Tamás - KOVALČÍKOVÁ, Alexandra - REECE, Michael J. *Microstructure of (Hf-Ta-Zr-Nb)C high-entropy carbide at micro and nano/atomic level*. In *Journal of the European Ceramic Society*, 2018, vol. 38, no. 12, p. 4303-4307. (2017: 3.794 - IF, Q1 - JCR, 1.068 - SJR, Q1 - SJR, karentované - CCC). (2018 - Current Contents). ISSN 0955-2219. Dostupné na: <https://doi.org/10.1016/j.jeurceramsoc.2018.05.006>

Citácie:

1. [1.1] FENG, Lun - FAHRENHOLTZ, William G. - HILMAS, Gregory E. - ZHOU, Yue. *Synthesis of single-phase high-entropy carbide powders*. In *SCRIPTA MATERIALIA*. ISSN 1359-6462, 2019, vol. 162, pp. 90-93., Registrované v: WOS
2. [1.1] GEORGE, Easo P. - RAABE, Dierk - RITCHIE, Robert O. *High-entropy alloys*. In *NATURE REVIEWS MATERIALS*. ISSN 2058-8437, 2019, vol. 4, no. 8, pp. 515-534., Registrované v: WOS
3. [1.1] GILD, Joshua - BRAUN, Jeffrey - KAUFMANN, Kevin - MARIN, Eduardo - HARRINGTON, Tyler - HOPKINS, Patrick - VECCHIO, Kenneth - LUO, Jian. *A high-entropy silicide: (Mo_{0.2}Nb_{0.2}Ta_{0.2}Ti_{0.2}W_{0.2})Si-2*. In *JOURNAL OF MATERIMICS*. ISSN 2352-8478, 2019, vol. 5, no. 3, pp. 337-343., Registrované v: WOS
4. [1.1] GU, Junfeng - ZOU, Ji - SUN, Shi-Kuan - WANG, Hao - YU, Su-Yang - ZHANG, Jinyong - WANG, Weimin - FU, Zhengyi. *Dense and pure high-entropy metal diboride ceramics sintered from self-synthesized powders via boro/carbothermal reduction approach*. In *SCIENCE CHINA-MATERIALS*. ISSN 2095-8226, 2019, vol. 62, no. 12, pp. 1898-1909., Registrované v: WOS
5. [1.1] HARRINGTON, Tyler J. - GILD, Joshua - SARKER, Pranab - TOHER, Cormac - ROST, Christina M. - DIPPO, Olivia F. - MCELFFRESH, Cameron - KAUFMANN, Kevin - MARIN, Eduardo - BOROWSKI, Lucas - HOPKINS, Patrick E. - LUO, Jian - CURTAROLO, Stefano - BRENNER, Donald W. -

VECCHIO, Kenneth S. Phase stability and mechanical properties of novel high entropy transition metal carbides. In ACTA MATERIALIA. ISSN 1359-6454, 2019, vol. 166, pp. 271-280., Registrované v: WOS

6. [1.1] NESMELOV, D. D. - SHABALKIN, I. D. - LYSENKOV, A. S. - ORDAN'; YAN, S. S. Physical and Mechanical Properties of Hot-Pressed Materials of the ZrB₂-TaC-SiC System. In REFRACTORIES AND INDUSTRIAL CERAMICS. ISSN 1083-4877, 2019, vol. 59, no. 5, pp. 514-521., Registrované v: WOS

7. [1.1] TALLARITA, Giovanna - LICHERI, Roberta - GARRONI, Sebastiano - ORRU, Roberto - CAO, Giacomo. Novel processing route for the fabrication of bulk high-entropy metal diborides. In SCRIPTA MATERIALIA. ISSN 1359-6462, 2019, vol. 158, pp. 100-104., Registrované v: WOS

8. [1.1] WEI, Xiao-Feng - LIU, Ji-Xuan - LI, Fei - QIN, Yuan - LIANG, Yong-Cheng - ZHANG, Guo-Jun. High entropy carbide ceramics from different starting materials. In JOURNAL OF THE EUROPEAN CERAMIC SOCIETY. ISSN 0955-2219, 2019, vol. 39, no. 10, pp. 2989-2994., Registrované v: WOS

9. [1.1] YANG, Yan - MA, Li - GAN, Guo-Yong - WANG, Wei - TANG, Bi-Yu. Investigation of thermodynamic properties of high entropy (TaNbHfTiZr)C and (TaNbHfTiZr)N. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2019, vol. 788, pp. 1076-1083., Registrované v: WOS

10. [1.1] YE, Beilin - WEN, Tongqi - MANH CUONG NGUYEN - HAO, Luyao - WANG, Cai-Zhuang - CHU, Yanhui. First-principles study, fabrication and characterization of (Zr_{0.25}Nb_{0.25}Ti_{0.25}V_{0.25})C high-entropy ceramics. In ACTA MATERIALIA. ISSN 1359-6454, 2019, vol. 170, no., pp. 15-23., Registrované v: WOS

11. [1.1] ZHANG, Hanzhu - AKHTAR, Farid. Processing and Characterization of Refractory Quaternary and Quinary High-Entropy Carbide Composite. In ENTROPY. ISSN 1099-4300, 2019, vol. 21, no. 5, 474., Registrované v: WOS

12. [1.1] ZHANG, Zhen - FU, Shuai - AVERSANO, Francesco - BORTOLOTTI, Mauro - ZHANG, Haiwen - HU, Chunfeng - GRASSO, Salvatore. Arc melting: a novel method to prepare homogeneous solid solutions of transition metal carbides (Zr, Ta, Hf). In CERAMICS INTERNATIONAL. ISSN 0272-8842, 2019, vol. 45, no. 7, pp. 9316-9319., Registrované v: WOS

13. [1.1] ZHONG, Yu - SABAROU, Hooman - YAN, Xiaotian - YANG, Mei - GAO, Michael C. - LIU, Xingbo - SISSON, Richard D. Exploration of high entropy ceramics (HECs) with computational thermodynamics A case study with LaMnO₃ +/-delta. In MATERIALS & DESIGN. ISSN 0264-1275, 2019, vol. 182, UNSP 108060., Registrované v: WOS

ADCA328 DUŠEK, M. - BUŽEK, Vladimír. Quantum-controlled measurement device for quantum-state discrimination. In Physical Review A, 2002, vol. 66, no. 2, 022112. ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.66.022112>

Citácie:

1. [1.1] ISLAM, Nurul T. - LIM, Charles Ci Wen - CAHALL, Clinton - QI, Bing - KIM, Jungsang - GAUTHIER, Daniel J. Scalable high-rate, high-dimensional time-bin encoding quantum key distribution. In QUANTUM SCIENCE AND TECHNOLOGY. ISSN 2058-9565, 2019, vol. 4, no. 3, 035008., Registrované v: WOS

2. [1.1] KUBICKI, Aleksander M. - PALAZUELOS, Carlos - PEREZ-GARCIA, David. Resource Quantification for the No-Programming Theorem. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 122, no. 8, 080505., Registrované v: WOS

3. [1.1] MARVIAN, Iman - SPEKKENS, Robert W. No-Broadcasting Theorem for

Quantum Asymmetry and Coherence and a Trade-off Relation for Approximate Broadcasting. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 123, no. 2, 020404., Registrované v: WOS

4. [1.1] SEDLAK, Michal - BISIO, Alessandro - ZIMAN, Mario. *Optimal Probabilistic Storage and Retrieval of Unitary Channels. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 122, no. 17, 170502., Registrované v: WOS*

5. [1.1] YORDANOV, Yordan S. - BARNES, Crispin H. W. *Implementation of a general single-qubit positive operator-valued measure on a circuit-based quantum computer. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 6, 062317., Registrované v: WOS*

6. [1.1] ZHU, Gaoyan - KALMAN, Orsolya - WANG, Kunkun - XIAO, Lei - QU, Dengke - ZHAN, Xiang - BIAN, Zhihao - KISS, Tamas - XUE, Peng. *Experimental orthogonalization of highly overlapping quantum states with single photons. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 5, 052307., Registrované v: WOS*

ADCA329 EGGERS, T.** - LAM, D.S. - THIABGOH, O. - MARCIN, Jozef - ŠVEC, Peter - HUONG, N.T. - ŠKORVÁNEK, Ivan** - PHAN, M.H.**. *Impact of the transverse magnetocrystalline anisotropy of a Co coating layer on the magnetoimpedance response of FeNi-rich nanocrystalline ribbon. In Journal of Alloys and Compounds, 2018, vol. 741, p. 1105-1111. (2017: 3.779 - IF, Q1 - JCR, 1.020 - SJR, Q1 - SJR, karentované - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 0925-8388. Dostupné na: <https://doi.org/10.1016/j.jallcom.2018.01.206>*

Citácie:

1. [1.1] CAO, Yan - LI, Yue - SHAO, Shufang - LIU, Youjiang - WANG, Yingxian - LIN, Xinhua. *Excitation-Current-Dependent Magnetoinductance in Inductive Elements Containing CoFeSiB Ribbons Annealed in Transverse Magnetic Field. In JOURNAL OF ELECTRONIC MATERIALS. ISSN 0361-5235, 2019, vol. 48, no. 8, pp. 4913-4919., Registrované v: WOS*

2. [1.1] DASTANI, Mohammad Mehdi - AL-ALI, Muthana Hasan - MORADI, Mehrdad. *Influence of current annealing on the magneto-impedance response of co-based ribbons arising from surface structural improvement. In JOURNAL OF NON-CRYSTALLINE SOLIDS. ISSN 0022-3093, 2019, vol. 516, pp. 9-13., Registrované v: WOS*

3. [1.1] DENMARK, Daniel J. - BUSTOS-PEREZ, Xiomar - SWAIN, Anand - MANH-HUONG PHAN - MOHAPATRA, Subhra - MOHAPATRA, Shyam S. *Readiness of Magnetic Nanobiosensors for Point-of-Care Commercialization. In JOURNAL OF ELECTRONIC MATERIALS. ISSN 0361-5235, 2019, vol. 48, no. 8, pp. 4749-4761., Registrované v: WOS*

4. [1.1] HAJIALI, Mohammadreza - JAMILPANAH, Loghman - SHEYKHIFARD, Zahra - MOKHTARZADEH, Mahsa - YAZDI, Hossein - TORK, Behnam - SHOA E GHAREHBAGH, Javad - AZIZI, Behnam - ROOZMEH, Ehsan - JAFARI, Gholam Reza - MOHSENI, Seyed Majid. *Controlling Magnetization of Gr/Ni COMposite for Application in High-Performance Magnetic Sensors. In ACS APPLIED ELECTRONIC MATERIALS. ISSN 2637-6113, 2019, vol. 1, no. 12, pp. 2502-2513., Registrované v: WOS*

5. [1.1] WANG, Yao - WEN, Yumei - LI, Ping - CHEN, Lei. *Multilevel nonvolatile memory based on the hysteretic giant magnetoimpedance effect of heterogeneous magnetic laminate. In APPLIED PHYSICS EXPRESS. ISSN 1882-0778, 2019, vol. 12, no. 10, art. no. 104006., Registrované v: WOS*

6. [1.1] WANG, Yao - WEN, Yumei - LI, Ping. *Analytical and experimental study of the improved magnetic field sensitivity for nanocrystalline soft magnetic alloy*

and coil laminate with different layers. In *JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS*. ISSN 0304-8853, 2019, vol. 474, pp. 36-45.,
 Registrované v: WOS

- ADCA330 ELIÁŠOVÁ SOHOVÁ, Marianna - BODIK, Michal - ŠIFFALOVIČ, Peter** - BUGÁROVÁ, Nikola - LABUDOVÁ, Martina - ZAŤOVIČOVÁ, Miriam - HIANIK, Tibor - OMASTOVÁ, Mária - MAJKOVÁ, Eva - JERGEL, Matej - PASTOREKOVÁ, Silvia. Label-free tracking of nanosized graphene oxide cellular uptake by confocal Raman microscopy. In *Analyst*, 2018, vol. 143, iss. 15, p. 3686-3692. (2017: 3.864 - IF, Q1 - JCR, 1.249 - SJR, Q1 - SJR, karentované - CCC). (2018 - Current Contents). ISSN 0003-2654. Dostupné na: <https://doi.org/10.1039/c8an00225h>

Citácie:

1. [1.1] BALZEROVA, A. - POLAKOVA, K. - MALINA, T. - BELZA, J. - RANC, V. - ZBORIL, R. CELLULAR UPTAKE OF GRAPHENE ACID BY HEL AND HELA CELLS STUDIED BY UV RAMAN SPECTROSCOPY. In 10TH ANNIVERSARY INTERNATIONAL CONFERENCE ON NANOMATERIALS - RESEARCH & APPLICATION (NANOCON 2018 (R)). 2019, p. 566-571., Registrované v: WOS
2. [1.1] KIM, J. - NAM, S.H. - LIM, D.K. - SUH, Y.D. SERS-based particle tracking and molecular imaging in live cells: toward the monitoring of intracellular dynamics. In *NANOSCALE*. ISSN 2040-3364, DEC 7 2019, vol. 11, no. 45, p. 21724-21727., Registrované v: WOS
3. [1.1] PIPERNO, A. - MAZZAGLIA, A. - SCALA, A. - PENNISI, R. - ZAGAMI, R. - NERI, G. - TORCASIO, S.M. - ROSMINI, C. - MINEO, P.G. - POTARA, M. - FOCSAN, M. - ASTILEAN, S. - ZHOU, G.G. - SCIORTINET, M.T. Casting Light on Intracellular Tracking of a New Functional Graphene-Based MicroRNA Delivery System by FLIM and Raman Imaging. In *ACS APPLIED MATERIALS & INTERFACES*. ISSN 1944-8244, DEC 11 2019, vol. 11, no. 49, p. 46101-46111., Registrované v: WOS
4. [1.1] ZAHARIE-BUTUCCEL, D. - POTARA, M. - SUARASAN, S. - LICARETE, E. - ASTILEAN, S. Efficient combined near-infrared-triggered therapy: Phototherapy over chemotherapy in chitosan-reduced graphene oxide-IR820 Check 10 dye-doxorubicin nanoplatfoms. In *JOURNAL OF COLLOID AND INTERFACE SCIENCE*. ISSN 0021-9797, SEP 15 2019, vol. 552, p. 218-229., Registrované v: WOS

- ADCA331 EL KAMMOUNI, R. - IGLESIAS, I. - CHICHAY, K. - ŠVEC, Peter - RODIONOVA, V. - VAZQUEZ, M. High-temperature magnetic behavior of soft/soft and soft/hard Fe and Co-based biphasic microwires. In *Journal of Applied Physics*, 2014, vol. 116, no. 9, 093902. (2013: 2.185 - IF, Q2 - JCR, 1.165 - SJR, karentované - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 0021-8979. Dostupné na: <https://doi.org/10.1063/1.4894618>

Citácie:

1. [1.1] XIONG, Junlin - TU, Hengchao - LI, Xin - XIE, Wenhui - ZHAO, Z. J. Preparation and magnetic properties of composite wire with double magnetic layers. In *JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS*. ISSN 0304-8853, 2019, vol. 490, UNSP 165531., Registrované v: WOS

- ADCA332 ELSEVIERS, J. - ANDREYEV, A.N. - HUYSE, M. - VAN DUPPEN, P. - ANTALIC, S. - BARZAKH, A. - BREE, N. - COCOLIOS, T.E. - COMAS, V.F. - DIRIKEN, J. - FEDOROV, D. - FEDOSSEEV, V.N. - FRANCHOO, S. - GHYS, L. - HEREDIA, J.A. - IVANOV, O. - KOESTER, U. - MARSH, B.A. - NISHIO, K. - PAGE, R.D. - PATRONIS, N. - SELIVERSTOV, M.D. - TSEKHANOVICH, I. - VAN DER BERGH, P. - VAN DE WALLE, J. - VENHART, Martin - VERMOTE, S. - VESELSKÝ, Martin - WAGEMANS, C. beta-delayed fission of Tl-180. In

Physical Review C, 2013, vol. 88, no. 4, 044321. (2012: 3.715 - IF, 2.769 - SJR, Q1 - SJR, karentované - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.88.044321>

Citácie:

1. [1.1] KAJINO, T. - AOKI, W. - BALANTEKIN, A. B. - DIEHL, R. - FAMIANO, M. A. - MATHEWS, G. J. *Current status of r-process nucleosynthesis. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2019, vol. 107, pp. 109-166., Registrované v: WOS*

2. [1.1] KAVITA - GOLDA, K. S. - GHOSH, T. K. - JHINGAN, A. - SUGATHAN, P. - CHATTERJEE, A. - BEHERA, B. R. - KUMAR, Ashok - KUMAR, Rakesh - SANEESH, N. - KUMAR, M. - YADAV, Abhishek - YADAV, C. - KUMAR, Neeraj - BANERJEE, Akashrup - RANI, A. - DUGGI, S. K. - DUBEY, Rakesh - RANI, Kavita - NOOR, Shoaib - ACHARYA, Jaimin - SINGH, Hardev. *Fusion-fission dynamics of Pt-188,Pt-190 through fission fragment mass distribution measurements. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 2, 024626., Registrované v: WOS*

- ADCA333 ERDOGAN, Nursev - BOUZIANI, Asmae - PARK, Jongee** - MIČUŠÍK, Matej - KIM, Soo Young - MAJKOVÁ, Eva - OMASTOVÁ, Mária - OZTURK, Abdullah. *Synthesis and enhanced photocatalytic activity of nitrogen-doped triphasic TiO₂ nanoparticles. In Journal of Photochemistry and Photobiology. A: Polymer chemistry, 2019, vol. 377, p. 92-100. (2018: 3.261 - IF, Q2 - JCR, 0.657 - SJR, Q1 - SJR, karentované - CCC). (2019 - Current Contents). ISSN 1010-6030. Dostupné na: <https://doi.org/10.1016/j.jphotochem.2019.03.047>*

Citácie:

1. [1.2] DIACON, A. - MOCANU, A. - RĂDUCANU, C.E. - BUSUIOC, C. - ȘOMOGHI, R. - TRICĂ, B. - DINESCU, A. - RUSEN, E. *c/ZnO/Li₂O nanocomposites with enhanced photocatalytic activity. IN Scientific Reports, ISSN 2045-2322, 2019, vol. 9, no. 1, art. no. 16840., Registrované v: Scopus*

- ADCA334 EUCHNER, H. - YAMADA, T. - SCHOBBER, H. - ROLS, S. - MIHALKOVIČ, Marek - TAMURA, R. - ISHIMASA, T. - DE BOISSIEU, M. *Ordering and dynamics of the central tetrahedron in the 1/1 Zn₆Sc periodic approximant to quasicrystal. In Journal of Physics: Condensed Matter, 2012, vol. 24, no. 41, 415403. (2011: 2.546 - IF, Q2 - JCR, 1.660 - SJR, Q1 - SJR, karentované - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0953-8984. Dostupné na: <https://doi.org/10.1088/0953-8984/24/41/415403>*

Citácie:

1. [1.1] CHAHINE, Gilbert Andre - BLANC, Nils - ARNAUD, Stephan - DE GEUSER, Frederic - GUINEBRETIERE, Rene - BOUDET, Nathalie. *Advanced Non-Destructive in Situ Characterization of Metals with the French Collaborating Research Group D2AM/BM02 Beamline at the European Synchrotron Radiation Facility. In METALS. ISSN 2075-4701, 2019, vol. 9, no. 3, 352., Registrované v: WOS*

- ADCA335 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. (2010: 3.774 - IF, Q1 - JCR, 3.318 - SJR, Q1 - SJR, karentované - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevC.84.034307>*

Citácie:

1. [1.1] NISHIMURA, Katsuhiko - MATSUDA, Kenji - TSUCHIYA, Taiki - NUNOMURA, Norio - BENDO, Artenis - ISIKAWA, Yosikazu - IMAI, Kosuke -

ADACHI, Hiroki - HUTCHISON, Wayne D. Critical concentrations of Zn and Mg for enhanced diamagnetism in Al-Zn-Mg alloys. In AIP ADVANCES, 2019, vol. 9, no. 12., Registrované v: WOS

- ADCA336 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. (1997: 3.420 - IF, karentované - CCC). (1998 - Current Contents, WOS, SCOPUS). ISSN 1550-7998.

Citácie:

1. [1.1] *NEJAD, Seyed Mohsen Hosseini. Domain structures and quark potentials in SU(3) gauge theory. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 100, no. 11, 114504., Registrované v: WOS*

2. [1.1] *OXMAN, L. E. - SIMOES, G. M. k-strings with exact Casimir law and Abelian-like profiles. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 99, no. 1, 016011., Registrované v: WOS*

3. [1.1] *SIMONOV, Yu A. Field correlator method for the confinement in QCD. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 99, no. 5, 056012., Registrované v: WOS*

- ADCA337 FABER, Manfred - GREENSITE, Jeff - OLEJNÍK, Štefan. First evidence for center dominance in SU(3) lattice gauge theory. In Physics Letters B, 2000, vol. 474, no. 1-2, p. 177-181. (1999: 3.878 - IF, karentované - CCC). (2000 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: [https://doi.org/10.1016/S0370-2693\(00\)00013-7](https://doi.org/10.1016/S0370-2693(00)00013-7)

Citácie:

1. [1.1] *FISCHER, Christian S. QCD at finite temperature and chemical potential from Dyson-Schwinger equations. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2019, vol. 105, pp. 1-60., Registrované v: WOS*

- ADCA338 FARHI, E. - GOSSET, D. - HASSIDIM, A. - LUTOMIRSKI, A. - NAGAJ, Daniel - SHOR, P. Quantum state restoration and single-copy tomography for ground states of Hamiltonians. In Physical Review Letters, 2010, vol. 105, no. 19, 190503. (2009: 7.328 - IF, 6.325 - SJR, Q1 - SJR, karentované - CCC). (2010 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.105.190503>

Citácie:

1. [1.1] *GE, Yimin - TURA, Jordi - CIRAC, J. Ignacio. Faster ground state preparation and high-precision ground energy estimation with fewer qubits. In JOURNAL OF MATHEMATICAL PHYSICS. ISSN 0022-2488, 2019, vol. 60, no. 2, 190503., Registrované v: WOS*

- ADCA339 FELDMAN, E. - HILLERY, M. - LEE, H.-W. - REITZNER, Daniel - ZHENG, H. - BUŽEK, Vladimír. Finding structural anomalies in graphs by means of quantum walks. In Physical Review A, 2010, vol. 82, no. 4, 040301 R. (2009: 2.866 - IF, Q2 - JCR, 2.469 - SJR, Q1 - SJR, karentované - CCC). (2010 - Current Contents). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.82.040301>

Citácie:

1. [1.1] *KOCH, Daniel. Scattering quantum random walks on square grids and randomly generated mazes. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 99, no. 1, 012330., Registrované v: WOS*

- ADCA340 FERNANDEZ, J.F. - WIDOM, M. - CUEVAS, F. - ARES, J.R. - BODEGA, J. - LEARDINI, F. - MIHALKOVIČ, Marek - SANCHEZ, C. First-principles phase stability calculations and estimation of finite temperature effects on pseudo-binary Mg-6(PdxNi1-x) compounds. In Intermetallics, 2011, vol. 19, no. 4, p. 502-510. (2010: 2.335 - IF, Q1 - JCR, 1.573 - SJR, Q1 - SJR, karentované - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 0966-9795. Dostupné na:

<https://doi.org/2-s2.0-78751643712>

Citácie:

1. [1.1] DELSANTE, S. - NOVAKOVIC, R. - GAGLIOLO, A. - BORZONE, G. *Thermodynamic investigation on the Mg-Pd intermetallic phases. In JOURNAL OF CHEMICAL THERMODYNAMICS. ISSN 0021-9614, 2019, vol. 139, UNSP 105890., Registrované v: WOS*

- ADCA341 FERRARA, E. - STANTERO, A. - TIBERTO, P. - BARICCO, M. - JANIČKOVIČ, Dušan - KUBIČÁR, Ľudovít - DUHAJ, Pavol. Magnetic properties and surface roughness of Fe₆₄Co₂₁B₁₅ amorphous ribbons quenched from different melt temperatures. In Materials Science and Engineering A, 1997, vol. 226, p. 326-330. (1996: 0.852 - IF, karentované - CCC). (1997 - Current Contents, WOS, SCOPUS). ISSN 0921-5093.

Citácie:

1. [1.1] OZTURK, Sultan - ICIN, Kursat - GENCTURK, Merve - GOBULUK, Metin - TOPAL, Ugur - SVEC, Peter. Surface and structural characterization of amorphous Fe,Co-based melt-spun ribbons subjected to heat treatment processes. In JOURNAL OF NON-CRYSTALLINE SOLIDS. ISSN 0022-3093, 2019, vol. 522, UNSP 119592., Registrované v: WOS

- ADCA342 FEUERBACHER, M. - THOMAS, C. - MAKONGO, J.P.A. - HOFFMANN, S. - CARRILLO-CABRERA, W. - CARDOSO, R. - GRIN, Y. - KREINER, G. - JOUBERT, J.M. - SCHENK, T. - GASTALDI, J. - NGUYEN-THI, H. - MANGELINCK-NOEL, N. - BILLIA, B. - DONNADIEU, P. - CZYRSKA-FILEMONOWICZ, A. - ZIELINSKA-LIPIEC, A. - DUBIEL, B. - WEBER, T. - SCHAUB, P. - KRAUSS, G. - GRAMLICH, V. - CHRISTENSEN, J. - LLIDIN, S. - FREDERICKSON, D. - MIHALKOVIČ, Marek - SIKORA, W. - MALINOWSKI, J. - BRUHNE, S. - PROFFEN, T. - ASSMUS, W. - DE BOISSIEU, M. - BLEY, F. The samson phase, beta-Mg₂Al₃, revisited. In Zeitschrift für Kristallographie, 2007, vol. 222, no. 6, p. 259-288. (2006: 1.897 - IF, Q2 - JCR, 0.948 - SJR, Q1 - SJR, karentované - CCC). (2007 - Current Contents). ISSN 0044-2968. Dostupné na: <https://doi.org/10.1524/zkri.2007.222.6.259>

Citácie:

1. [1.1] DOLINSEK, Janez. Electronic transport properties of complex intermetallics. In CRYSTAL GROWTH OF INTERMETALLICS, 2019, pp. 261-278., Registrované v: WOS

2. [1.1] FEI, Y. - HUANG, Ch - LIU, H. The Phase Composition and Mechanical Properties of Al₂O₃-TiN-TiC Ceramic Materials with Different Ni Content. In JOURNAL OF CERAMIC SCIENCE AND TECHNOLOGY. ISSN 2190-9385, 2019, vol. 10, no. 2., Registrované v: WOS

- ADCA343 FIDRÍKOVÁ, Danica - VRETENÁR, Viliam - ŠIMKOVÁ, I. - GREIF, V. - VLČKO, J. - DIEŠKA, P. - KUBIČÁR, Ľudovít. Sensor for monitoring the moisture in porous materials. In International Journal of Thermophysics, 2013, vol. 34, no. 10, p. 1918-1929. (2012: 0.568 - IF, Q3 - JCR, 0.371 - SJR, karentované - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 0195-928X. Dostupné na: <https://doi.org/10.1007/s10765-013-1493-0>

Citácie:

1. [1.1] KRISTAK, Lubos - IGAZ, Rastislav - RUZIAK, Ivan. Applying the EDPS Method to the Research into Thermophysical Properties of Solid Wood of Coniferous Trees. In ADVANCES IN MATERIALS SCIENCE AND ENGINEERING. ISSN 1687-8434, 2019, vol. 2019, 2303720., Registrované v: WOS

2. [1.1] SCHOENFISCH, David - GOEDEL, Michael - BLINN, Joerg - HEYDE, Christian - SCHLARB, Heiko - DEFERME, Wim - PICARD, Antoni. New Type of

Thermal Moisture Sensor for in-Textile Measurements. In PHYSICA STATUS SOLIDI A-APPLICATIONS AND MATERIALS SCIENCE. ISSN 1862-6300, 2019, vol. 216, no. 12, 1800765., Registrované v: WOS

- ADCA344 FILIP, Peter. Elliptic flow in central collisions of deformed nuclei. In Physics of Atomic Nuclei, 2008, vol. 71, no. 9, p. 1609-1618. (2007: 0.515 - IF, Q4 - JCR, 0.358 - SJR, Q3 - SJR). ISSN 1063-7788. Dostupné na: <https://doi.org/10.1134/S1063778808090172>

Citácie:

1. [1.1] *BOZEK, Piotr - BRONIOWSKI, Wojciech - RYBCZYNSKI, Maciej - STEFANEK, Grzegorz. GLISSANDO 3: GLauber Initial-State Simulation AND mOre, ver. 3. In COMPUTER PHYSICS COMMUNICATIONS. ISSN 0010-4655, 2019, vol. 245, UNSP 106850., Registrované v: WOS*

- ADCA345 FILIP, Peter - LEDNICKY, R. - MASUI, H. - XU, N. Initial eccentricity in deformed Au-197+Au-197 and U-238+U-238 collisions at $s(\text{NN})=200$ GeV at the BNL Relativistic Heavy Ion Collider. In Physical Review C, 2009, vol. 80, no. 5, 054903. (2008: 3.124 - IF, 2.417 - SJR, Q1 - SJR, karentované - CCC). (2009 - Current Contents, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.80.054903>

Citácie:

1. [1.1] *BOZEK, Piotr - BRONIOWSKI, Wojciech - RYBCZYNSKI, Maciej - STEFANEK, Grzegorz. GLISSANDO 3: GLauber Initial-State Simulation AND mOre, ver. 3. In COMPUTER PHYSICS COMMUNICATIONS. ISSN 0010-4655, 2019, vol. 245, UNSP 106850., Registrované v: WOS*

2. [1.1] *KUNDU, Sourav - MALLICK, Dukhishyam - MOHANTY, Bedangadas. Study of charged particle multiplicity, average transverse momentum and azimuthal anisotropy in Xe plus Xe collisions at root $s(\text{NN})=5.44$ TeV using AMPT model. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2019, vol. 55, no. 9, 157., Registrované v: WOS*

3. [1.1] *SCHENKE, Bjorn - SHEN, Chun - TRIBEDY, Prithwish. Multiparticle and charge-dependent azimuthal correlations in heavy-ion collisions at the Relativistic Heavy-Ion Collider. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 4, 044908., Registrované v: WOS*

- ADCA346 FILIPPOV, S.N. - PILO, J. - MANISCALCO, S. - ZIMAN, Mário. Divisibility of quantum dynamical maps and collision models. In Physical Review A, 2017, vol. 96, no. 3, 032111. (2016: 2.925 - IF, Q1 - JCR, 1.482 - SJR, Q1 - SJR, karentované - CCC). (2017 - Current Contents). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.96.032111>

Citácie:

1. [1.1] *BEYER, Konstantin - LUOMA, Kimmo - STRUNZ, Walter T. Steering Heat Engines: A Truly Quantum Maxwell Demon. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 123, no. 25, 250606., Registrované v: WOS*

2. [1.1] *KARPAT, G. - YALCINKAYA, I - CAKMAK, B. Quantum synchronization in a collision model. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 1, 012133., Registrované v: WOS*

3. [1.1] *MAN, Zhong-Xiao - XIA, Yun-Jie - LO FRANCO, Rosario. Validity of the Landauer principle and quantum memory effects via collisional models. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 99, no. 4, 042106., Registrované v: WOS*

4. [1.1] *MAN, Zhong-Xiao - ZHANG, Qi - XIA, Yun-Jie. The effects of system-environment correlations on heat transport and quantum entanglement via collision models. In QUANTUM INFORMATION PROCESSING. ISSN 1570-*

0755, 2019, vol. 18, no. 5, 157., Registrované v: WOS

5. [1.1] MILZ, Simon - KIM, M. S. - POLLOCK, Felix A. - MODI, Kavan. Completely Positive Divisibility Does Not Mean Markovianity. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 123, no. 4, 040401., Registrované v: WOS

6. [1.1] PATHAK, Vijay - SHAJI, Anil. Non-Markovian Open Dynamics from Collision Models. In OPEN SYSTEMS & INFORMATION DYNAMICS. ISSN 1230-1612, 2019, vol. 26, no. 4, 1950018., Registrované v: WOS

7. [1.1] PUCHALA, Zbigniew - RUDNICKI, Lukasz - ZYCZKOWSKI, Karol. Pauli semigroups and unistochastic quantum channels. In PHYSICS LETTERS A. ISSN 0375-9601, 2019, vol. 383, no. 20, pp. 2376-2381., Registrované v: WOS

8. [1.1] SIUDZINSKA, Katarzyna. Geometry of Pauli maps and Pauli channels. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 6, 062331., Registrované v: WOS

9. [1.1] TURKPENCE, Deniz - AKINCI, Tahir Cetin - SEKER, Serhat. A steady state quantum classifier. In PHYSICS LETTERS A. ISSN 0375-9601, 2019, vol. 383, no. 13, pp. 1410-1418., Registrované v: WOS

10. [1.1] ZHANG, Qi - MAN, Zhong-Xiao - XIA, Yun-Jie. Non-Markovianity in the presence of multiple thermal environments via collision model. In PHYSICS LETTERS A. ISSN 0375-9601, 2019, vol. 383, no. 21, pp. 2456-2461., Registrované v: WOS

ADCA347 FILIPPOV, S.N. - ZIMAN, Mário. Entanglement sensitivity to signal attenuation and amplification. In Physical Review A, 2014, vol. 90, no. 1, 010301. (2013: 2.991 - IF, Q1 - JCR, 2.317 - SJR, karentované - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.90.010301>

Citácie:

1. [1.1] HOFMANN, K. - SEMENOV, A. A. - VOGEL, W. - BOHMANN, M. Quantum teleportation through atmospheric channels. In PHYSICA SCRIPTA. ISSN 0031-8949, 2019, vol. 94, no. 12, 125104., Registrované v: WOS

2. [1.1] HOSSEINIDEHAJ, Nedasadat - BABAR, Zunaira - MALANEY, Robert - NG, Soon Xin - HANZO, Lajos. Satellite-Based Continuous-Variable Quantum Communications: State-of-the-Art and a Predictive Outlook. In IEEE COMMUNICATIONS SURVEYS AND TUTORIALS, 2019, vol. 21, no. 1, pp. 881-919., Registrované v: WOS

3. [1.1] YUAN, Hong-Chun - XU, Xue-Xiang - MENG, Xiang-Guo. Entanglement properties of a tunable non-Gaussian quantum state by virtue of multi-photon conditional measurement. In LASER PHYSICS. ISSN 1054-660X, 2019, vol. 29, no. 11, 115204., Registrované v: WOS

ADCA348 FILIPPOV, S.N. - MELNIKOV, A.A. - ZIMAN, Mário. Dissociation and annihilation of multipartite entanglement structure in dissipative quantum dynamics. In Physical Review A, 2013, vol. 88, no. 6, 062328. (2012: 3.042 - IF, Q1 - JCR, 2.519 - SJR, Q1 - SJR, karentované - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.88.062328>

Citácie:

1. [1.1] MELNIKOV, Alexey A. - ALODJANTS, Aleksandr P. - FEDICHKIN, Leonid E. Hitting time for quantum walks of identical particles. In INTERNATIONAL CONFERENCE ON MICRO- AND NANO-ELECTRONICS 2018. ISSN 0277-786X, 2019, vol. 11022, UNSP 110222J., Registrované v: WOS

ADCA349 FILIPPOV, S.N. - ZIMAN, Mário. Probability-based comparison of quantum states. In Physical Review A, 2012, vol. 85, no. 6, 062301. (2011: 2.878 - IF, Q1 - JCR,

2.316 - SJR, Q1 - SJR, karentované - CCC). (2012 - Current Contents). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.85.062301>

Citácie:

1. [1.1] SHANG, Tao - PEI, Zhuang - CHEN, Ranyiliu - LIU, Jianwei. *Quantum Homomorphic Signature with Repeatable Verification. In CMC-COMPUTERS MATERIALS & CONTINUA. ISSN 1546-2218, 2019, vol. 59, no. 1, pp. 149-165., Registrované v: WOS*

ADCA350 FILIPPOV, S.N. - RYBÁR, Tomáš - ZIMAN, Mário. Local two-qubit entanglement-annihilating channels. In *Physical Review A*, 2012, vol. 85, no. 1, 012303. (2011: 2.878 - IF, Q1 - JCR, 2.316 - SJR, Q1 - SJR, karentované - CCC). (2012 - Current Contents). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.85.012303>

Citácie:

1. [1.1] CHRISTANDL, Matthias - MUELLER-HERMES, Alexander - WOLF, Michael M. *When Do Composed Maps Become Entanglement Breaking? In ANNALES HENRI POINCARÉ. ISSN 1424-0637, 2019, vol. 20, no. 7, pp. 2295-2322., Registrované v: WOS*

2. [1.1] TEREETENKOV, A. E. *Irreversible quantum evolution with quadratic generator: Review. In INFINITE DIMENSIONAL ANALYSIS QUANTUM PROBABILITY AND RELATED TOPICS. ISSN 0219-0257, 2019, vol. 22, no. 4, 1930001., Registrované v: WOS*

ADCA351 FLACHBART, Karol - GLOOS, K. - KONOVALOVA, E. - PADERNO, Y. - REIFFERS, Marián - SAMUELY, Peter - ŠVEC, Peter. Energy gap of intermediate-valent SmB₆ studied by point-contact spectroscopy. In *Physical Review B*, 2001, vol. 64, no. 8, art. no. 085104. (2000: 3.065 - IF, karentované - CCC). (2001 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.64.085104>

Citácie:

1. [1.1] OHTSUBO, Yoshiyuki - YAMASHITA, Yuki - HAGIWARA, Kenta - IDETA, Shin-ichiro - TANAKA, Kiyohisa - YUKAWA, Ryu - HORIBA, Koji - KUMIGASHIRA, Hiroshi - MIYAMOTO, Koji - OKUDA, Taichi - HIRANO, Wataru - IGA, Fumitoshi - KIMURA, Shin-ichi. *Non-trivial surface states of samarium hexaboride at the (111) surface. In NATURE COMMUNICATIONS. ISSN 2041-1723, 2019, vol. 10, 2298., Registrované v: WOS*

2. [1.1] STANKIEWICZ, Jolanta - EVANGELISTI, Marco - ROSA, Priscila F. S. - SCHLOTTMANN, Pedro - FISK, Zachary. *Physical properties of SmxB₆ single crystals. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 99, no. 4, 045138., Registrované v: WOS*

ADCA352 FLAVIGNY, F. - PAUWELS, D. - RADULOV, D. - DARBY, I.J. - DE WITTE, H. - DIRIKEN, J. - FEDOROV, D.V. - FEDOSSEEV, V.N. - FRAILE, L.M. - HUYSE, M. - IVANOV, V.S. - KOSTER, U. - MARSH, B.A. - OTSUKA, T. - POPESCU, L. - RAABE, R. - SELIVERSTOV, M.D. - SHIMIZU, N. - SJODIN, M. - TSUNODA, Y. - VAN DEN BERGH, P. - VAN DUPPEN, P. - VAN DE WALLE, J. - VENHART, Martin - WALTERS, W.B. - WIMMER, K. Characterization of the low-lying 0(+) and 2(+) states in Ni-68 via beta decay of the low-spin Co-68 isomer. In *Physical Review C. Nuclear physics*, 2015, vol. 91, no. 3, 034310. (2014: 3.733 - IF, 2.480 - SJR, Q1 - SJR, karentované - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.91.034310>

Citácie:

1. [1.1] NAQVI, F. - SIMON, A. - GUTTORMSEN, M. - SCHWENGNER, R. - FRAUENDORF, S. - REINGOLD, C. S. - BURKE, J. T. - COOPER, N. - HUGHES, R. O. - OTA, S. - SAASTAMOINEN, A. *Nuclear level densities and*

gamma-ray strength functions in samarium isotopes. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 5, 054331., Registrované v: WOS

2. [1.1] WATANABE, Hiroshi. Nuclear decay studies of rare isotopes: Overview of decay spectroscopy at RIBF. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2019, vol. 55, no. 2, 19., Registrované v: WOS

ADCA353 FRANCO, V. - CONDE, C.F. - BLAZQUEZ, J.S. - CONDE, A. - ŠVEC, Peter - JANIČKOVIČ, Dušan - KISS, L.F. A constant magnetocaloric response in FeMoCuB amorphous alloys with different Fe/B ratios. In Journal of Applied Physics, 2007, vol. 101, no. 9, 093903. (2006: 2.316 - IF, Q1 - JCR, 1.944 - SJR, Q1 - SJR, karentované - CCC). (2007 - Current Contents, SCOPUS). ISSN 0021-8979. Dostupné na: <https://doi.org/10.1063/1.2724804>

Citácie:

1. [1.1] BOURGUIBA, Marwa - GDAIEM, Mohamed Amara - CHAFRA, Moez - HLIL, E. K. - BELMABROUK, Hafedh - BAJAHZAR, Abdullah. Effect of titanium substitution on the structural, magnetic and magnetocaloric properties of La_{0.67}Ba_{0.25}Ca_{0.08}MnO₃ perovskite manganites. In APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING. ISSN 0947-8396, 2019, vol. 125, no. 6, UNSP 375., Registrované v: WOS

2. [1.1] BOUZIDI, Souhir - GDAIEM, Mohamed Amara - DHAHRI, J. - HLIL, E. K. Large magnetocaloric entropy change at room temperature in soft ferromagnetic manganites. In RSC ADVANCES. ISSN 2046-2069, 2019, vol. 9, no. 1, pp. 65-76., Registrované v: WOS

3. [1.1] CHAUDHARY, V. - CHEN, X. - RAMANUJAN, R. V. Iron and manganese based magnetocaloric materials for near room temperature thermal management. In PROGRESS IN MATERIALS SCIENCE. ISSN 0079-6425, 2019, vol. 100, pp. 64-98., Registrované v: WOS

4. [1.1] CHAUHAN, Harish Chandr - KUMAR, Birendra - TIWARI, Jeetendra Kumar - GHOSH, Subhasis. Multiple phases with a tricritical point and a Lifshitz point in the skyrmion host Cu₂OSeO₃. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 100, no. 16, 165143., Registrované v: WOS

5. [1.1] CIVAN, Ersin - SARLAR, Kagan - KUCUK, Ilker. Effect of Gd Substitution on the Structural, Magnetic, and Magnetocaloric Properties of Fe₆₈Tb₅B₂₃Nb₄ Metallic Glass. In JOURNAL OF MAGNETICS. ISSN 1226-1750, 2019, vol. 24, no. 1, pp. 43-48., Registrované v: WOS

6. [1.1] DEY, Sushmita - ROY, R. K. - MALLICK, A. Basu - MITRA, A. - PANDA, A. K. High-temperature magnetocaloric effect in devitrified Fe/Co based glassy monolayer and bilayer ribbons. In JOURNAL OF MATERIALS SCIENCE. ISSN 0022-2461, 2019, vol. 54, no. 16, pp. 11292-11303., Registrované v: WOS

7. [1.1] FANG, Yini - YU, Zhou - PENG, Guo - FENG, Tao. Near room-temperature magnetocaloric effect in amorphous Fe-Sc alloys: the effect of minor Co additions. In JOURNAL OF NON-CRYSTALLINE SOLIDS. ISSN 0022-3093, 2019, vol. 505, pp. 211-214., Registrované v: WOS

8. [1.1] LIU, Lihua - LIU, Peizhu - CHEN, Ning - LI, Yang. Comparison of the Mn and Ni doped Eu₈Ga₁₆Ge₃₀ type-I clathrates. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2019, vol. 491, UNSP 165433., Registrované v: WOS

9. [1.1] MOUNIRA, Abassi. Effect of Fe Substitution on the Physical Properties of La_{0.62}Er_{0.05}Ba_{0.33}Mn_{1-x}Fe_xO₃ (x=0.00, 0.05 and 0.15). In JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM. ISSN 1557-1939, 2019, vol. 32, no. 2, pp. 301-310., Registrované v: WOS

10. [1.1] UTHAMAN, Bhagya - RAJI, G. R. - THOMAS, Senoy - SURESH, K. G. - VARMA, Manoj Raama. Tuning the Structural Transitions and Magnetocaloric

Response in Gd₅Si_{1.7}Ge_{2.3} Alloys Through Cobalt Addition. In IEEE TRANSACTIONS ON MAGNETICS. ISSN 0018-9464, 2019, vol. 55, no. 10, 2501911., Registrované v: WOS

- ADCA354 FRANK, Tobias - DERIAN, René - TOKÁR, Kamil - MITAS, Luboš - FABIAN, Jaroslav** - ŠTICH, Ivan** - ŠTICH, Ivan**. Many-body quantum Monte Carlo study of 2D materials: cohesion and band gap in single-layer phosphorene. In Physical Review X, 2019, vol. 9, no. 1, 011018. (2018: 12.211 - IF, Q1 - JCR, 6.497 - SJR, Q1 - SJR, karentované - CCC). (2019 - Current Contents). ISSN 2160-3308. Dostupné na: <https://doi.org/10.1103/PhysRevX.9.011018>

Citácie:

1. [1.1] FARIA, Paulo E. - KURPAS, Marcin - GMITRA, Martin - FABIAN, Jaroslav. *k . p theory for phosphorene: Effective g-factors, Landau levels, and excitons. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 100, no. 11., Registrované v: WOS*
2. [1.1] GAUFRES, Etienne - FOSSARD, Frederic - GOSSELIN, Vincent - SPONZA, Lorenzo - DUCASTELLE, Francois - LI, Zhenglu - LOUIE, Steven G. - MARTEL, Richard - COTE, Michel - LOISEAU, Annick. *Momentum-Resolved Dielectric Response of Free-Standing Mono-, Bi-, and Trilayer Black Phosphorus. In NANO LETTERS. ISSN 1530-6984, 2019, vol. 19, no. 11, pp. 8303-8310., Registrované v: WOS*

- ADCA355 FRIGAN, B. - SANTANA, A. - ENGEL, M. - SCHOPF, D. - TREBIN, H.-R. - MIHALKOVIČ, Marek. Low-temperature structure of xi^{\prime} -Al-Pd-Mn optimized by ab initio methods. In Physical Review B, 2011, vol. 84, no. 18, 184203. (2010: 3.774 - IF, Q1 - JCR, 3.318 - SJR, Q1 - SJR, karentované - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.84.184203>

Citácie:

1. [1.1] PALCUT, Marian - DURISKA, Libor - CERNICKOVA, Ivona - BRUNOVSKA, Sandra - GERHATOVA, Zanita - SAHUL, Martin - CAPLOVIC, Lubomir - JANOVEC, Jozef. *Relationship between Phase Occurrence, Chemical Composition, and Corrosion Behavior of as-Solidified Al-Pd-Co Alloys. In MATERIALS. ISSN 1996-1944, 2019, vol. 12, no. 10, 1661., Registrované v: WOS*

- ADCA356 FUJITA, T. - STAŇO, Peter - ALLISON, G. - MORIMOTO, K. - SATO, Y. - LARSSON, M. - PARK, J.-H. - LUDWIG, A. - WIECK, A.D. - OIWA, A. - TARUCHA, S. Signatures of hyperfine, spin-orbit, and decoherence effects in a Pauli spin blockade. In Physical Review Letters, 2016, vol. 117, no. 20, 206802. (2015: 7.645 - IF, Q1 - JCR, 4.656 - SJR, Q1 - SJR, karentované - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.117.206802>

Citácie:

1. [1.1] BOGAN, Alex - STUDENIKIN, Sergei - KORKUSINSKI, Marek - GAUDREAU, Louis - ZAWADZKI, Piotr - SACHRAJDA, Andy - TRACY, Lisa - RENO, John - HARGETT, Terry. *Single hole spin relaxation probed by fast single-shot latched charge sensing. In COMMUNICATIONS PHYSICS. ISSN 2399-3650, 2019, vol. 2, 17., Registrované v: WOS*
2. [1.1] MANNILA, E. T. - MAISI, V. F. - NGUYEN, H. Q. - MARCUS, C. M. - PEKOLA, J. P. *Detecting parity effect in a superconducting device in the presence of parity switches. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 100, no. 2, 020502., Registrované v: WOS*

- ADCA357 GAWRACZYŃSKI, Jakub - KURZYDŁOWSKI, Dominik - EWINGS, Russell A. - BANDARU, Subrahmanyam - GADOMSKI, Wojciech - MAZEJ, Zoran - RUANI, Giampiero - BERGENTI, Ilaria - JARON, Tomasz - OZAROWSKI, Andrew -

HILL, Stephen - LESZCZYŃSKI, Piotr J. - TOKÁR, Kamil - DERZSI, Mariana - BARONE, Paolo - WOHLFELD, Krzysztof - LORENZANA, José** - GROCHALA, Wojciech**. Silver route to cuprate analogs. In Proceedings of the National Academy of Sciences of the United States of America, 2019, vol. 116, no. 5, p. 1495-1500. (2018: 9.580 - IF, Q1 - JCR, 5.601 - SJR, Q1 - SJR, karentované - CCC). (2019 - Current Contents). ISSN 0027-8424. Dostupné na: <https://doi.org/10.1073/pnas.1812857116>

Citácie:

1. [1.1] *OLEŚ, Andrzej M. - WOHLFELD, Krzysztof - KHALIULLIN, Giniyat. Orbital Symmetry and Orbital Excitations in High-T_c Superconductors. In CONDENSED MATTER. ISSN 2410-3896, 2019, vol. 4, no. 2, 46., Registrované v: WOS*

ADCA358 GENDIAR, Andrej - DANIŠKA, Michal - LEE, Y. - NISHINO, T. Suppression of finite-size effects in one-dimensional correlated systems. In Physical Review A, 2011, vol. 83, no. 5, 052118. (2010: 2.861 - IF, Q1 - JCR, 2.400 - SJR, Q1 - SJR, karentované - CCC). (2011 - Current Contents). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.83.052118>

Citácie:

1. [1.1] *MACCORMACK, Ian - LIU, Aike - NOZAKI, Masahiro - RYU, Shinsei. Holographic duals of inhomogeneous systems: the rainbow chain and the sine-square deformation model. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2019, vol. 52, no. 50, 505401., Registrované v: WOS*

ADCA359 GENZOR, Jozef - GENDIAR, Andrej - NISHINO, T. Phase transition of the Ising model on a fractal lattice. In Physical Review E, 2016, vol. 93, no. 1, 012141. (2015: 2.252 - IF, Q1 - JCR, 1.183 - SJR, Q1 - SJR, karentované - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 2470-0045. Dostupné na: <https://doi.org/10.1103/PhysRevE.93.012141>

Citácie:

1. [1.1] *AKIYAMA, Shinichiro - KURAMASHI, Yoshinobu - YAMASHITA, Takumi - YOSHIMURA, Yusuke. Phase transition of four-dimensional Ising model with higher-order tensor renormalization group. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 100, no. 5, 054510., Registrované v: WOS*

ADCA360 GMUCA, Štefan. Finite-nuclei calculations based on relativistic mean-field effective interactions. In Nuclear Physics A, 1992, vol. 547, no. 3, p. 447-458. ISSN 0375-9474. Dostupné na: [https://doi.org/10.1016/0375-9474\(92\)90032-F](https://doi.org/10.1016/0375-9474(92)90032-F)

Citácie:

1. [1.1] *SHEN, Shihang - LIANG, Haozhao - LONG, Wen Hui - MENG, Jie - RING, Peter. Towards an ab initio covariant density functional theory for nuclear structure. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2019, vol. 109, UNSP 103713., Registrované v: WOS*

ADCA361 GMUCA, Štefan. Relativistic mean-field fit to microscopic results in nuclear-matter. In Journal of Physics G, 1991, vol. 17, no. 7, p. 1115-1126. ISSN 0954-3899. Dostupné na: <https://doi.org/10.1088/0954-3899/17/7/010>

Citácie:

1. [1.1] *SHEN, Shihang - LIANG, Haozhao - LONG, Wen Hui - MENG, Jie - RING, Peter. Towards an ab initio covariant density functional theory for nuclear structure. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2019, vol. 109, UNSP 103713., Registrované v: WOS*

ADCA362 GMUCA, Štefan. Relativistic mean-field parametrization of effective interaction in nuclear-matter. In Zeitschrift fur Physik A, 1992, vol. 342, no. 4, p. 387-392. ISSN 0939-7922. Dostupné na: <https://doi.org/10.1007/BF01294948>

Citácie:

1. [1.1] SHEN, Shihang - LIANG, Haozhao - LONG, Wen Hui - MENG, Jie - RING, Peter. Towards an *ab initio* covariant density functional theory for nuclear structure. In *PROGRESS IN PARTICLE AND NUCLEAR PHYSICS*. ISSN 0146-6410, 2019, vol. 109, UNSP 103713., Registrované v: WOS

- ADCA363 GMUCOVÁ, Katarína - NÁDAŽDY, Vojtech - SCHAUER, F. - KAISER, Michal - MAJKOVÁ, Eva. Electrochemical spectroscopic methods for the fine band gap electronic structure mapping in organic semiconductors. In *Journal of Physical Chemistry C*, 2015, vol. 119, no. 28, p. 15926-15934. (2014: 4.772 - IF, Q1 - JCR, 2.032 - SJR, Q1 - SJR, karentované - CCC). (2015 - Current Contents). ISSN 1932-7447. Dostupné na: <https://doi.org/10.1021/acs.jpcc.5b04378>

Citácie:

1. [1.1] NAQVI, Samya - VASISTHA, Nikita - KUMAR, Mahesh - KUMAR, Rachana. Electron transport and ultrafast spectroscopic studies of new methanofullerenes bearing a heteroatom in the exohedral chain. In *NEW JOURNAL OF CHEMISTRY*. ISSN 1144-0546, 2019, vol. 43, no. 39, pp. 15626-15635., Registrované v: WOS

2. [1.1] RONCASELLI, Lucas K. M. - SILVA, Edilene A. - BRAUNGER, Maria Luisa - SOUZA, Nara C. - FERREIRA, Marystela - DE SANTANA, Henrique - OLIVATI, Clarissa A. Regioregularity and deposition effect on the physical/chemical properties of polythiophene derivatives films. In *NANOTECHNOLOGY*. ISSN 0957-4484, 2019, vol. 30, no. 32, 325703., Registrované v: WOS

- ADCA364 GONZÁLEZ-LEGARRETA, L. - ANDREJKA, František - MARCIN, Jozef - ŠVEC, Peter Jr. - VARGA, Marek - JANIČKOVIČ, Dušan - ŠVEC, Peter - ŠKORVÁNEK, Ivan. Magnetoimpedance effect in nanocrystalline Fe_{73.5}Cu₁Nb₃Si_{13.5}B₉ single-layer and bilayer ribbons. In *Journal of Alloys and Compounds*, 2016, vol. 688, p. 94-100. (2015: 3.014 - IF, Q1 - JCR, 0.957 - SJR, Q1 - SJR, karentované - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 0925-8388. Dostupné na: <https://doi.org/10.1016/j.jallcom.2016.06.240>

Citácie:

1. [1.1] FENG, Zhu - ZHI, Shaotao - WEI, Mingchen - ZHOU, Yong - LIU, Cui - LEI, Chong. An integrated three-dimensional micro-solenoid giant magnetoimpedance sensing system based on MEMS technology. In *SENSORS AND ACTUATORS A-PHYSICAL*. ISSN 0924-4247, 2019, vol. 299, art. no. UNSP 111640., Registrované v: WOS

- ADCA365 GREENLEES, P.T. - RUBERT, J. - PIOT, J. - GALL, B.J.P. - ANDERSSON, L.L. - ASAI, M. - ASFARI, Z. - COX, D.M. - DECHERY, F. - DORVAUX, O. - GRAHN, T. - HAUSCHILD, K. - HENNING, G. - HERZAN, A. - HERZBERG, R.D. - HESSBERGER, F.P. - JAKOBSSON, U. - JONES, P. - JULIN, R. - JUUTINEN, S. - KETELHUT, S. - KHOO, T.L. - LEINO, M. - LJUNGVALL, J. - LOPEZ-MARTENS, A. - LOZEVA, R. - NIEMINEN, P. - PAKARINEN, J. - PAPADAKIS, P. - PARR, E. - PEURA, P. - RAHKILA, P. - RINTA-ANTILA, S. - RUOTSALAINEN, P. - SANDZELIUS, M. - SAREN, J. - SCHOLEY, C. - SEWERYNIAK, D. - SORRI, J. - SULIGNANO, B. - THEISEN, Ch. - UUSITALO, J. - VENHART, Martin. Shell-Structure and Pairing Interaction in Superheavy Nuclei: Rotational Properties of the Z=104 Nucleus (256)Rf. In *Physical Review Letters*, 2012, vol. 109, no. 1, 012501. (2011: 7.370 - IF, Q1 - JCR, 6.314 - SJR, Q1 - SJR, karentované - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.109.012501>

Citácie:

1. [1.1] BLOCK, Michael. Precise ground state properties of the heaviest

elements for studies of their atomic and nuclear structure. In RADIOCHIMICA ACTA. ISSN 0033-8230, 2019, vol. 107, no. 7, pp. 603-613., Registrované v: WOS

2. [1.1] GIULIANI, S. A. - MATHESON, Z. - NAZAREWICZ, W. - OLSEN, E. - REINHARD, P.G. - SADHUKHAN, J. - SCHUETRUMPF, B. - SCHUNCK, N. - SCHWERDTFEGGER, P. Colloquium: Superheavy elements: Oganesson and beyond. In *REVIEWS OF MODERN PHYSICS. ISSN 0034-6861, 2019, vol. 91, no. 1, 011001., Registrované v: WOS*

3. [1.1] HOFMANN, Sigurd. Synthesis and properties of isotopes of the transactinides. In *RADIOCHIMICA ACTA. ISSN 0033-8230, 2019, vol. 107, no. 9-11, pp. 879-915., Registrované v: WOS*

4. [1.1] NERLO-POMORSKA, Bożena - POMORSKI, Krzysztof - BARTEL, J. ROTATIONAL BANDS IN SUPER-HEAVY NUCLEI WITHIN THE LSD plus YF MODEL. In *ACTA PHYSICA POLONICA B PROCEEDINGS SUPPLEMENT. ISSN 1899-2358, 2019, vol. 12, no. 3, pp. 665-670., Registrované v: WOS*

ADCA366 GREENSITE, J. - OLEJNÍK, Štefan - POLIKARPOV, M.I. - SYRITSYN, S.N. - ZAKHAROV, V.I. Localized eigenmodes of covariant Laplacians in the Yang-Mills vacuum. In *Physical Review D*, 2005, vol. 71, no. 11, 114507. (2004: 5.156 - IF, karentované - CCC). (2005 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.71.114507>

Citácie:

1. [1.1] GORSKY, A. - LITVINOV, M. Metal or insulator? Dirac operator spectrum in holographic QCD. In *PHYSICS LETTERS B. ISSN 0370-2693, 2019, vol. 795, pp. 379-385., Registrované v: WOS*

ADCA367 GREENSITE, J. - KOVALENKO, A.V. - OLEJNÍK, Štefan - POLIKARPOV, M.I. - SYRITSYN, S.N. - ZAKHAROV, V.I. Peculiarities in the spectrum of the adjoint scalar kinetic operator in Yang-Mills theory. In *Physical Review D*, 2006, vol. 74, no. 9, 094507. Dostupné na: <https://doi.org/10.1103/PhysRevD.74.094507>

Citácie:

1. [1.1] MAAS, Axel. Quenched SU(2) adjoint scalar propagator in minimal Landau gauge. In *PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 99, no. 5, 054504., Registrované v: WOS*

2. [1.1] MAAS, Axel. Quenched SU(2) scalar-gluon vertex in minimal Landau gauge. In *PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 99, no. 11, 114503., Registrované v: WOS*

ADCA368 GREENSITE, J. - LANGFELD, K. - OLEJNÍK, Štefan - REINHARDT, H. - TOK, T. Color screening, Casimir scaling and domain structure in G(2) and SU(N) gauge theories. In *Physical Review D*, 2007, vol. 75, no. 3, 034501. (2006: 4.896 - IF, Q1 - JCR, 2.381 - SJR, Q1 - SJR, karentované - CCC). (2007 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.75.034501>

Citácie:

1. [1.1] DEGHAN, Z. - DELDAR, S. Cho decomposition, Abelian gauge fixing, and monopoles in G(2) Yang-Mills theory. In *PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 99, no. 11, 116024., Registrované v: WOS*

2. [1.1] NEJAD, Seyed Mohsen Hosseini. Domain structures and quark potentials in SU(3) gauge theory. In *PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 100, no. 11, 114504., Registrované v: WOS*

3. [1.1] SIMONOV, Yu A. Field correlator method for the confinement in QCD. In *PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 99, no. 5, 056012., Registrované v: WOS*

ADCA369 GREENSITE, Jeff - OLEJNÍK, Štefan. Coulomb energy, vortices, and confinement. In *Physical Review D*, 2003, vol. 67, no. 9, 094503. (2002: 4.358 - IF, karentované -

CCC). (2003 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.67.094503>

Citácie:

1. [1.1] DAWID, Sebastian M. - SZCZEPANIAK, Adam P. *Coulomb flux tube revisited. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 100, no. 7, 074508., Registrované v: WOS*

2. [1.1] MAAS, Axel. *Brout-Englert-Higgs physics: From foundations to phenomenology. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2019, vol. 106, pp. 132-209., Registrované v: WOS*

ADCA370 GREENSITE, Jeff - OLEJNÍK, Štefan - ZWANZIGER, Daniel. Coulomb energy, remnant symmetry, and the phases of non-Abelian gauge theories. In Physical Review D, 2004, vol. 69, no. 7, 074506. (2003: 4.599 - IF, karentované - CCC). (2004 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.69.074506>

Citácie:

1. [1.1] MAAS, Axel. *Brout-Englert-Higgs physics: From foundations to phenomenology. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2019, vol. 106, pp. 132-209., Registrované v: WOS*

ADCA371 GREENSITE, Jeff - OLEJNÍK, Štefan. k-string tensions and center vortices at large N. In Journal of High Energy Physics, 2002, vol. 6, no. 9, 039. ISSN 1029-8479.

Citácie:

1. [1.1] OXMAN, L. E. - SIMOES, G. M. *k-strings with exact Casimir law and Abelian-like profiles. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 99, no. 1, 016011., Registrované v: WOS*

ADCA372 GREENSITE, Jeff - OLEJNÍK, Štefan - ZWANZIGER, Daniel. Center vortices and the Gribov horizon. In Journal of High Energy Physics, 2005, vol. 05, no. 070, p. 0-38. Dostupné na: <https://doi.org/10.1088/1126-6708/2005/05/070>

Citácie:

1. [1.1] CAMPAGNARI, Davide - REINHARDT, Hugo. *Equal-time quark propagator in Coulomb gauge. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 100, no. 11, 114042., Registrované v: WOS*

2. [1.1] GOMES, Henrique - HOPFMULLER, Florian - RIELLO, Aldo. *A unified geometric framework for boundary charges and dressings: Non-Abelian theory and matter. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2019, vol. 941, pp. 249-315., Registrované v: WOS*

ADCA373 GRGAC, P. - MORAVCIK, R. - KUSY, M. - TOTH, I. - MIGLIERINI, M. - ILLEKOVÁ, Emília. Thermal stability of metastable austenite in rapidly solidified chromium-molybdenum-vanadium tool steel powder. In Materials Science and Engineering A, 2004, vol. 375, p. 581-584. (2003: 1.363 - IF, karentované - CCC). (2004 - Current Contents, WOS, SCOPUS). ISSN 0921-5093. Dostupné na: <https://doi.org/10.1016/j.msea.2003.10.036>

Citácie:

1. [1.1] CARDAKH, Ismail Seckin - KALKANLI, Ali. *Effect of solidification rate on microstructure and primary carbides of AISI DC 53 cold work tool steel. In CHINA FOUNDRY. ISSN 1672-6421, 2019, vol. 16, no. 3, pp. 211-216., Registrované v: WOS*

2. [1.1] CARDAKLI, Ismail Seckin - KALKANLI, Ali. *Refinement of primary carbides in AISI DC 53 cold work tool steel by thin section copper permanent mould casting and water atomization. In INTERNATIONAL JOURNAL OF CAST METALS RESEARCH. ISSN 1364-0461, 2019, vol. 32, no. 3, pp. 145-153., Registrované v: WOS*

ADCA374 GUBÓ, R.* - VÁRI, G.* - KISS, J.* - FARKAS, A.P.* - PALOTÁS, Krisztián* -

OVARI, L.* - BERKO, A.* - KONYA, Z.*. Tailoring the hexagonal boron nitride nanomesh on Rh(111) with gold. In Physical Chemistry Chemical Physics, 2018, vol. 20 no. 22, p. 15473-15485. (2017: 3.906 - IF, Q1 - JCR, 1.686 - SJR, Q1 - SJR, karentované - CCC). (2018 - Current Contents). ISSN 1463-9076. Dostupné na: <https://doi.org/10.1039/c8cp00790j>

Citácie:

1. [1.1] AUWAERTER, Willi. Hexagonal boron nitride monolayers on metal supports: Versatile templates for atoms, molecules and nanostructures. In SURFACE SCIENCE REPORTS. ISSN 0167-5729, 2019, vol. 74, no. 1, pp. 1-95.,

Registrované v: WOS

- ADCA375 GU, N. - HENLEY, C.L. - MIHALKOVIČ, Marek. Co-rich decagonal Al-Co-Ni: predicting structure, orientational order and puckering. In Philosophical Magazine, 2006, vol. 86, no. 3-5, p. 593-599. (2005: 1.470 - IF, Q1 - JCR, 1.086 - SJR, Q1 - SJR). ISSN 1478-6435. Dostupné na: <https://doi.org/10.1080/14786430500263405>

Citácie:

1. [1.1] HAN, Insung - XIAO, Xianghui - SUN, Haiping - SHAHANI, Ashwin J. A side-by-side comparison of the solidification dynamics of quasicrystalline and approximant phases in the Al-Co-Ni system. In ACTA CRYSTALLOGRAPHICA A-FOUNDATION AND ADVANCES. ISSN 2053-2733, 2019, vol. 75, pp. 281-296.,

Registrované v: WOS

- ADCA376 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, 113518. (2011: 2.168 - IF, Q2 - JCR, 1.374 - SJR, Q1 - SJR, karentované - CCC). (2012 - Current Contents). ISSN 0021-8979. Dostupné na: <https://doi.org/10.1063/1.4728161>

Citácie:

1. [1.1] ZHU, L. - MENG, Y. - ZHAI, X. B. - WANG, Y. G. - LAN, S. Structure origin of abnormal magnetic behavior of Fe-P-C amorphous alloys. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2019, vol. 472, pp. 49-52., Registrované v: WOS

- ADCA377 GUTIÉRREZ, J. - BARANDIARÁN, J.M. - MÍNGUEZ, P. - KACZKOWSKI, Z. - RUUSKANEN, Pekka - VLASÁK, Gabriel - ŠVEC, Peter - DUHAJ, Pavol. Influence of heat treatment on the magnetic and piezomagnetic properties of amorphous and nanocrystalline Fe₆₄Ni₁₀Nb₃Cu₁Si₁₃B₉ alloy strips. In Sensors and Actuators A, 2003, vol. 106, no. 1-3, p. 69-72. ISSN 0925-4005. Dostupné na: [https://doi.org/10.1016/S0924-4247\(03\)00136-5](https://doi.org/10.1016/S0924-4247(03)00136-5)

Citácie:

1. [1.1] ATALAY, S. - KOLAT, V. S. - IZGI, T. Asymmetric Delta E Effect and its Use as a Magnetic Field Sensor. In ACTA PHYSICA POLONICA A. ISSN 0587-4246, 2019, vol. 136, no. 3, pp. 531-535., Registrované v: WOS

2. [1.1] CHEN, Zhe - ZHU, Qian-Ke - ZHANG, Shu-Ling - ZHANG, Ke-Wei - JIANG, Yong. Thermal stability, crystallization, and magnetic properties of FeNiBCuNb alloys. In CHINESE PHYSICS B. ISSN 1674-1056, 2019, vol. 28, no. 8, 087502., Registrované v: WOS

- ADCA378 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.

Citácie:

1. [1.1] MOON, Pilkyung - KOSHINO, Mikito - SON, Young-Woo. Quasicrystalline electronic states in 30 degrees rotated twisted bilayer graphene. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 99, no. 16, 165430.,

Registrované v: WOS

2. [1.1] SPURRIER, Stephen - COOPER, Nigel R. *Theory of quantum oscillations in quasicrystals: Quantizing spiral Fermi surfaces. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 100, no. 8, 081405., Registrované v: WOS*

- ADCA379 HAFNER, J. - KRAJČÍ, Marián - MIHALKOVIČ, Marek. Propagating and localized elementary excitations in decagonal quasicrystals. In *Physical Review Letters*, 1996, vol. 76, no. 15, p. 2738-2741. (1995: 6.297 - IF). ISSN 0031-9007.

Citácie:

1. [1.1] GLACET, Arthur - TANGUY, Anne - RETHORE, Julien. *Vibrational properties of quasi-periodic beam structures. In JOURNAL OF SOUND AND VIBRATION. ISSN 0022-460X, 2019, vol. 442, pp. 624-644., Registrované v: WOS*

- ADCA380 HAFNER, J. - KRAJČÍ, Marián. Formation of magnetic moments in crystalline, quasicrystalline and liquid Al-Mn alloys. In *Physical Review B : condensed matter and materials physics*, 1998, vol. 57, no. 5, p. 2849-2860. (1997: 2.880 - IF, karentované - CCC). (1998 - Current Contents). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.57.2849>

Citácie:

1. [1.1] POTASHNIKOV, D. - CASPI, E. N. - PESACH, A. - HOSER, A. - KOTA, S. - VERGER, L. - BARSOUM, M. W. - FELNER, I - KEREN, A. - RIVIN, O. *Magnetic ordering in the nano-laminar ternary Mn₂AlB₂ using neutron and X-ray diffraction. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2019, vol. 471, pp. 468-474., Registrované v: WOS*

- ADCA381 HAFNER, J. - KRAJČÍ, Marián. Surfaces of complex intermetallic compounds: Insights from density functional calculations. In *Accounts of Chemical Research*, 2014, vol. 47, no. 11, p. 3378-3384. (2013: 5.356 - IF, Q1 - JCR, 3.005 - SJR, karentované - CCC). (2014 - Current Contents). ISSN 1554-8929. Dostupné na: <https://doi.org/10.1021/ar500043z>

Citácie:

1. [1.1] CUI, Kehang - WARDLE, Brian L. *Breakdown of Native Oxide Enables Multifunctional, Free-Form Carbon Nanotube-Metal Hierarchical Architectures. In ACS APPLIED MATERIALS & INTERFACES. ISSN 1944-8244, 2019, vol. 11, no. 38, pp. 35212-35220., Registrované v: WOS*

2. [1.1] ZHANG, Yuangong - WEN, Xin - SHI, Yongqing - YUE, Ru - BAI, Libin - LIU, Qingtao - BA, Xinwu. *Sulfur-Containing Polymer As a Platform for Synthesis of Size Controlled Pd Nanoparticles for Selective Semihydrogenation of Alkynes. In INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH. ISSN 0888-5885, 2019, vol. 58, no. 3, pp. 1142-1149., Registrované v: WOS*

- ADCA382 HALLGREN, S. - NAGAJ, Daniel - NARAYANASWAMI, S. The local Hamiltonian problem on a line with eight states is QMA-complete. In *Quantum Information and Computation*, 2013, vol. 13, no. 9-10, p. 721-750. (2012: 1.646 - IF, Q1 - JCR, 1.082 - SJR, Q1 - SJR, karentované - CCC). (2013 - Current Contents). ISSN 1533-7146.

Citácie:

1. [1.1] FERSTERER, Petra - SAFAVI-NAINI, Arghavan - ZHU, Bihui - GABARDOS, Lucas - LEPOUTRE, Steven - VERNAC, L. - LABURTHE-TOLRA, B. - BLAKIE, P. Blair - REY, Ana Maria. *Dynamics of an itinerant spin-3 atomic dipolar gas in an optical lattice. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 3, 033609., Registrované v: WOS*

2. [1.1] LEPOUTRE, S. - SCHACHENMAYER, J. - GABARDOS, L. - ZHU, B. - NAYLOR, B. - MARECHAL, E. - GORCEIX, O. - REY, A. M. - VERNAC, L. - LABURTHE-TOLRA, B. *Out-of-equilibrium quantum magnetism and*

thermalization in a spin-3 many-body dipolar lattice system. In NATURE COMMUNICATIONS. ISSN 2041-1723, 2019, vol. 10, 1714., Registrované v: WOS

- ADCA383 HAMILTON, J.H. - LUO, Y.X. - HWANG, J.K. - JONES, E.F. - RAMAYYA, A.V. - ZHU, S.H. - GORE, P.M. - BEYER, C.J. - KORMICKI, J. - ZHANG, X.Q. - GINTER, T.N. - WANG, M.G. - COLE, J.D. - DRIGERT, M.W. - MA, W.C. - VARMETTE, P.G. - TER-AKOPIAN, G.M. - OGANESSIAN, Y.T. - DANIEL, A.V. - KLIMAN, Ján - RASMUSSEN, J.O. - LEE, I.Y. - DONANGELO, R. - DE LIMA, A.P. Octupole correlations and deformation in Ba, La and Pr. In Acta Physica Polonica B, 2001, vol. 32, no. 3, p. 957-969. (2000: 0.479 - IF, karentované - CCC). (2001 - Current Contents). ISSN 0587-4254.

Citácie:

1. [1.1] ALI, Sajad - RAJBANSHI, S. - RAUT, R. - PAI, H. - WANG, Y. Y. - GANGOPADHYAY, G. - MENG, J. - PALIT, R. - NAG, Somnath - BISOI, Abhijit - SAHA, S. - SETHI, J. - BHATTACHARYA, S. - CHATTOPADHYAY, S. - MUKHERJEE, G. - SINGH, A. K. - TRIVEDI, T. - GOSWAMI, A. Evidence of the octupole correlation between the shears bands in Eu-142. In PHYSICS LETTERS B. ISSN 0370-2693, 2019, vol. 798, 134960., Registrované v: WOS

- ADCA384 HAMILTON, J.H. - TER-AKOPIAN, G.M. - KORMICKI, J. - OGANESSIAN, Yu.Ts. - KORMICKI, J. - ZHU, S.J. - WANG, M.G. - LU, Q. - BUTLER-MOORE, K. - RAMAYYA, A.V. - MA, W.C. - BABU, B.R.S. - SHI, D. - DENG, J.K. - POPEKO, G.S. - DANIEL, A.V. - GREINER, W. - SANDULESCU, A. - COLE, J.D. - ARYAEINEJAD, R. - KLIMAN, Ján - POLHORSKÝ, V. - MORHÁČ, Miroslav - JOHNSON, N.R. - LEE, I.Y. - MCGOWAN, F.K. - PEKER, L.K. Structure of neutron-rich nuclei and neutron multiplicities in spontaneous fission. In Physics Reports, 1996, vol. 264, no. 1-5, p. 215-231. ISSN 0370-1573.

Citácie:

1. [1.1] SHARMA, Vijay R. - KUMAR, R. - MUKHERJEE, S. - AGUILERA, E. F. - SHUAIB, Mohd - SINGH, Pushpendra P. - YADAV, Abhishek - DUBEY, R. - APPANNABABU, S. - MORALES-RIVERA, J. C. - KUMAR, S. - SINGH, B. P. - PRASAD, R. Fissionlike events in the N-14+Ta-181 system. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 3, 034617., Registrované v: WOS
2. [1.1] SHUAIB, Mohd - SHARMA, Vijay R. - YADAV, Abhishek - THAKUR, Swati - SHARMA, Manoj Kumar - MAJEED, Ishfaq - KUMAR, Mahesh - SINGH, Pushpendra P. - SINGH, Devendra P. - KUMAR, R. - SINGH, R. P. - MURALITHAR, S. - SINGH, B. P. - PRASAD, R. Mass and isotopic yield distributions of fission-like events in the F-19 + Tm-169 system at low energies. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 2, 024617., Registrované v: WOS

- ADCA385 HAMILTON, J.H. - RAMAYYA, A.V. - KORMICKI, J. - MA, W.C. - LU, Q. - SHI, D. - DENG, J.K. - ZHU, S.J. - SANDULESCU, A. - GREINER, W. - TERAKOPIAN, G.M. - OGANESSIAN, Y.T. - POPEKO, G.S. - DANIEL, A.V. - KLIMAN, Ján - POLHORSKÝ, V. - MORHÁČ, Miroslav - COLE, J.D. - ARYAEINEJAD, R. - LEE, I.Y. - JOHNSON, J.R. - MCGOWAN, F.K. Zero neutron emission in spontaneous fission of CF-252- a form of cluster radioactivity. In Journal of Physics G, 1994, vol. 20, no. 8, 185-L89. ISSN 0954-3899.

Citácie:

1. [1.1] PAHLAVANI, M. R. - JOHARIFARD, M. Isotopic yield and half-life of spontaneous fission for (284)Cn and (284)Fl superheavy isobars using direct calculation and semiempirical formulas. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 4, 044601., Registrované v: WOS
2. [1.1] SANTHOSH, Kolathu Parambil - CYRIAC, Annu. Studies on the cold

binary fragmentation of even-even U230-250 isotopes. In COMPTES RENDUS PHYSIQUE. ISSN 1631-0705, 2019, vol. 20, no. 6, pp. 569-582., Registrované v: WOS

- ADCA386 HARTMANOVÁ, Mária - LOMONOVA, E.E. - NAVRÁTIL, V. - ŠUTTA, P. - KUNDRACIK, F. Characterization of yttria-doped ceria prepared by directional crystallization. In Journal of Materials Science, 2005, vol. 40, no. 21, p. 5679-5683. (2004: 0.864 - IF, karentované - CCC). (2005 - Current Contents). ISSN 0022-2461. Dostupné na: <https://doi.org/10.1007/s10853-005-2795-9>

Citácie:

1. [1.1] LACZ, Agnieszka - OKAS, Paulina - LACH, Radoslaw. Reactivity of solid BaCe_{0.9}Y_{0.1}O₃-delta towards melted WO₃. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2019, vol. 797, pp. 131-139., Registrované v: WOS

2. [1.1] LACZ, Agnieszka. Reactivity of solid BaCe_{0.9}Y_{0.1}O₃ towards liquid V₂O₅. In CERAMICS INTERNATIONAL. ISSN 0272-8842, 2019, vol. 45, no. 6, pp. 7077-7084., Registrované v: WOS

- ADCA387 HARTMANOVÁ, Mária - GMUCOVÁ, Katarína - THURZO, Ilja. Dielectric properties of ceria and yttria-stabilized zirconia thin films. In Solid State Ionics, 2000, vol. 130, no. 1-2, p. 105-110. (2000 - Current Contents). ISSN 0167-2738. Dostupné na: [https://doi.org/10.1016/S0167-2738\(00\)00285-X](https://doi.org/10.1016/S0167-2738(00)00285-X)

Citácie:

1. [1.1] BALAKRISHNAN, G. - PANDA, Arun Kumar - RAGHAVAN, C. M. - SINGH, Akash - PRABHAKAR, M. N. - MOHANDAS, E. - KUPPUSAMI, P. - SONG, Jung il. Microstructure, optical and dielectric properties of cerium oxide thin films prepared by pulsed laser deposition. In JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS. ISSN 0957-4522, 2019, vol. 30, no. 17, pp. 16548-16553., Registrované v: WOS

2. [1.1] OPITZ, A. K. - GERSTL, M. - BRAM, M. Model System Supported Impedance Simulation of Composite Electrodes. In FUEL CELLS. ISSN 1615-6846, 2019, vol. 19, no. 4, pp. 417-428., Registrované v: WOS

- ADCA388 HARTMANOVÁ, Mária - LE, M.T. - JERGEL, Matej - ŠMATKO, Vasilij - KUNDRACIK, F. Structure and electrical conductivity of multicomponent metal oxides having scheelite structure. In Russian Journal of Electrochemistry, 2009, vol. 45, no. 6, p. 621-629. (2008: 0.431 - IF, Q4 - JCR, 0.218 - SJR, Q4 - SJR, karentované - CCC). (2009 - Current Contents). ISSN 1023-1935. Dostupné na: <https://doi.org/10.1134/S1023193509060019>

Citácie:

1. [1.1] LIN, He - ZHANG, Haitao - HE, Xiang - XU, Wentao - ZHOU, Youfu - YI, Zhiguo. Dynamic Mechanical and Electric Behaviors of La-Doped BiVO₄. In CRYSTAL GROWTH & DESIGN. ISSN 1528-7483, 2019, vol. 19, no. 1, pp. 275-284., Registrované v: WOS

2. [1.1] LIN, He - ZHANG, Haitao - PANG, Dongfang - ZHOU, Youfu - YI, Zhiguo. Dynamic behavior of BiVO₄ material under mechanical studies. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2019, vol. 774, pp. 651-655., Registrované v: WOS

3. [1.1] NOWAK, Andrzej P. - TRZCINSKI, K. - SZKODA, M. - KARCZEWSKI, J. - GAZDA, M. - LISOWSKA-OLEKSIK, A. A negative effect of carbon phase on specific capacity of electrode material consisted of nanosized bismuth vanadate embedded in carbonaceous matrix. In SYNTHETIC METALS. ISSN 0379-6779, 2019, vol. 257, UNSP 116168., Registrované v: WOS

- ADCA389 HECZKO, Oleg - ŠVEC, Peter - JANIČKOVIČ, Dušan - ULLAKKO, Kari. Magnetic Properties of Ni-Mn-Ga ribbon prepared by rapid solidification. In IEEE

Transactions on Magnetism, 2002, vol. 38, no. 5, p. 2841-2843. ISSN 0018-9464.
Dostupné na: <https://doi.org/10.1109/TMAG.2002.802471>

Citácie:

1. [1.1] ZHANG, Mingang - LIU, Wenhe - CHEN, Fenghua - ZHANG, Kewei - LI, Fan - ZHAO, Dongyang - XU, Xiaohong. Martensitic Transformation and Magnetocaloric Effect in High-Pressure Synthesized $\text{Ni}_{53}\text{Mn}_{23.5}\text{Ga}_{23.5}$ Alloys. In JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM. ISSN 1557-1939, 2019, vol. 32, no. 8, pp. 2673-2678., Registrované v: WOS

ADCA390 HEGEDUS, Michal** - BALÁŽ, Matej - TEŠINSKÝ, Matej - SAYAGUÉS, Mária Jesús - ŠIFFALOVIC, Peter - KRULÁKOVÁ, Mária - KAŇUCHOVÁ, Mária - BRIANČIN, Jaroslav - FABIÁN, Martin - BALÁŽ, Peter. Scalable synthesis of potential solar cell absorber Cu_2SnS_3 (CTS) from nanoprecursors. In Journal of Alloys and Compounds, 2018, vol. 768, p. 1006-1015. (2017: 3.779 - IF, Q1 - JCR, 1.020 - SJR, Q1 - SJR, karentované - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 0925-8388. Dostupné na: <https://doi.org/10.1016/j.jallcom.2018.07.284> (APVV-14-0103 : Mechanochemia polovodičových nanokryštálov: od minerálov k materiálom a liekom. VEGA 2/0044/18 : High-energy milling for the synthesis of nanomaterials using bio-approach and selected environmental applications. VEGA 2/0065/18 : Príprava a funkcionizácia chalkogenidových minerálov a ich nanokompozitov vysoko-energetickým mletím. OC 2015-1-19345 : Solution for Critical Raw Materials Under Extreme)

Citácie:

1. [1.1] BUDANOV, A. - VLASOV, Yu N. - KOTOV, G. - RUDNEV, E. -

VINOKUROV, A. A. Cu_2SnS_3 FILMS SYNTHESIS DURING ANNEALING OF $2\text{Cu}:1\text{Sn}$ METALL ALLOY LAYERS IN SULFUR VAPOR. In CHALCOGENIDE LETTERS. ISSN 1584-8663, 2019, vol. 16, no. 6, pp. 283-289., Registrované v: WOS

2. [1.1] GIACCHERINI, Andrea - CUCINOTTA, Giuseppe - MARTINUZZI, Stefano - BERRETTI, Enrico - OBERHAUSER, Werner - LAVACCHI, Alessandro - LEPORE, Giovanni Orazio - MONTAGROSSI, Giordano - ROMANELLI, Maurizio - DE LUCA, Antonio - INNOCENTI, Massimo - CECCHI, Vanni Moggi - MANNINI, Matteo - BUCCIANI, Antonella - DI BENEDETTO, Francesco. Green and scalable synthesis of nanocrystalline kuramite. In BEILSTEIN JOURNAL OF NANOTECHNOLOGY. ISSN 2190-4286, 2019, vol. 10, no., pp. 2073-2083., Registrované v: WOS

ADCA391 HEINOSAARI, T. - KIUKAS, J. - REITZNER, Daniel. Noise robustness of the incompatibility of quantum measurements. In Physical Review A, 2015, vol. 92, no. 2, 022115. (2014: 2.808 - IF, Q1 - JCR, 2.201 - SJR, Q1 - SJR, karentované - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.92.022115>

Citácie:

1. [1.1] ANWER, Hammad - NAWAREG, Mohamed - CABELLO, Adan - BOURENNANE, Mohamed. Experimental test of maximal tripartite nonlocality using an entangled state and local measurements that are maximally incompatible. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 2, 022104., Registrované v: WOS

2. [1.1] CARMELO, Claudio - CASSINELLI, Gianni - TOIGO, Alessandro. Constructing Extremal Compatible Quantum Observables by Means of Two Mutually Unbiased Bases. In FOUNDATIONS OF PHYSICS. ISSN 0015-9018, 2019, vol. 49, no. 6, pp. 532-548., Registrované v: WOS

3. [1.1] DESIGNOLLE, Sebastien - FARKAS, Mate - KANIEWSKI, Jędrzej.

- Incompatibility robustness of quantum measurements: a unified framework. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2019, vol. 21, no. 11, 113053., Registrované v: WOS*
4. [1.1] DESIGNOLLE, Sebastien - SKRZYPCZYK, Paul - FROEWIS, Florian - BRUNNER, Nicolas. *Quantifying Measurement Incompatibility of Mutually Unbiased Bases. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 122, no. 5, 050402., Registrované v: WOS*
5. [1.1] FARKAS, Mate - KANIEWSKI, Jędrzej. *Self-testing mutually unbiased bases in the prepare-and-measure scenario. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 99, no. 3, 032316., Registrované v: WOS*
6. [1.1] OSZMANIEC, Michał - BISWAS, Tanmoy. *Operational relevance of resource theories of quantum measurements. In QUANTUM. ISSN 2521-327X, 2019, vol. 3., Registrované v: WOS*
7. [1.1] QUINTINO, Marco Tulio - BUDRONI, Costantino - WOODHEAD, Erik - CABELLO, Adán - CAVALCANTI, Daniel. *Device-Independent Tests of Structures of Measurement Incompatibility. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 123, no. 18, 180401., Registrované v: WOS*
8. [1.1] STYLIARIS, Georgios - ZANARDI, Paolo. *Quantifying the Incompatibility of Quantum Measurements Relative to a Basis. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 123, no. 7, 070401., Registrované v: WOS*
9. [1.1] TAKAGI, Ryūji - REGUŁA, Bartosz. *General Resource Theories in Quantum Mechanics and Beyond: Operational Characterization via Discrimination Tasks. In PHYSICAL REVIEW X. ISSN 2160-3308, 2019, vol. 9, no. 3, 031053., Registrované v: WOS*

ADCA392 HEINOSAARI, T. - KIUKAS, J. - REITZNER, Daniel - SCHULTZ, J. *Incompatibility breaking quantum channels. In Journal of Physics A: Mathematical and Theoretical, 2015, vol. 48, no. 43, 435301. (2014: 1.583 - IF, Q2 - JCR, 0.936 - SJR, Q1 - SJR, karentované - CCC). (2015 - Current Contents). ISSN 1751-8113. Dostupné na: <https://doi.org/10.1088/1751-8113/48/43/435301>*

Citácie:

1. [1.1] BAEK, Kyunghyun - NHA, Hyunchul - SON, Wonmin. *Entropic Uncertainty Relations via Direct-Sum Majorization Relation for Generalized Measurements. In ENTROPY. ISSN 1099-4300, 2019, vol. 21, no. 3, 270., Registrované v: WOS*
2. [1.1] CHAU NGUYEN, H. - HUY-VIET NGUYEN - GUEHNE, Otfried. *Geometry of Einstein-Podolsky-Rosen Correlations. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 122, no. 24, 240401., Registrované v: WOS*
3. [1.1] DESIGNOLLE, Sebastien - FARKAS, Mate - KANIEWSKI, Jędrzej. *Incompatibility robustness of quantum measurements: a unified framework. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2019, vol. 21, no. 11, 113053., Registrované v: WOS*
4. [1.1] GUERINI, Leonardo - QUINTINO, Marco Tulio - AOLITA, Leandro. *Distributed sampling, quantum communication witnesses, and measurement incompatibility. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 4, 042308., Registrované v: WOS*
5. [1.1] SIUDZINSKA, Katarzyna - LUOMA, Kimmo - STRUNZ, Walter T. *Geometry on the manifold of Gaussian quantum channels. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 6, 062308., Registrované v: WOS*
6. [1.1] STYLIARIS, Georgios - ZANARDI, Paolo. *Quantifying the Incompatibility of Quantum Measurements Relative to a Basis. In PHYSICAL REVIEW*

ADCA393 *LETTERS. ISSN 0031-9007, 2019, vol. 123, no. 7, 070401., Registrované v: WOS*
HEINOSAARI, T. - SCHULTZ, J. - TOIGO, A. - ZIMAN, Mário. Maximally incompatible quantum observables. In *Physics Letters A*, 2014, vol. 378, no. 24-25, p. 1695-1699. (2013: 1.626 - IF, Q2 - JCR, 0.631 - SJR, karentované - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 0375-9601. Dostupné na: <https://doi.org/10.1016/j.physleta.2014.04.026>

Citácie:

1. [1.1] ANWER, Hammad - NAWAREG, Mohamed - CABELLO, Adan - BOURENNANE, Mohamed. *Experimental test of maximal tripartite nonlocality using an entangled state and local measurements that are maximally incompatible*. In *PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 2, 022104., Registrované v: WOS*
2. [1.1] CARMELI, Claudio - CASSINELLI, Gianni - TOIGO, Alessandro. *Constructing Extremal Compatible Quantum Observables by Means of Two Mutually Unbiased Bases*. In *FOUNDATIONS OF PHYSICS. ISSN 0015-9018, 2019, vol. 49, no. 6, pp. 532-548., Registrované v: WOS*
3. [1.1] DESIGNOLLE, Sebastien - FARKAS, Mate - KANIEWSKI, Jędrzej. *Incompatibility robustness of quantum measurements: a unified framework*. In *NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2019, vol. 21, no. 11, 113053., Registrované v: WOS*
4. [1.1] JAE, Jeongwoo - BAEK, Kyunghyun - RYU, Junghee - LEE, Jinhyoung. *Necessary and sufficient condition for joint measurability*. In *PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 3, 032113., Registrované v: WOS*
5. [1.1] KIUKAS, Jukka - LAHTI, Pekka - PELLONPAA, Juha-Pekka - YLINEN, Kari. *Complementary Observables in Quantum Mechanics*. In *FOUNDATIONS OF PHYSICS. ISSN 0015-9018, 2019, vol. 49, no. 6, pp. 506-531., Registrované v: WOS*

ADCA394 HEINOSAARI, T. - MIYADERA, T. - ZIMAN, Mário. An invitation to quantum incompatibility. In *Journal of Physics A: Mathematical and Theoretical*, 2016, vol. 49, no. 12, 123001. (2015: 1.933 - IF, Q1 - JCR, 1.028 - SJR, Q1 - SJR, karentované - CCC). (2016 - Current Contents). ISSN 1751-8113. Dostupné na: <https://doi.org/10.1088/1751-8113/49/12/123001>

Citácie:

1. [1.1] ALBARELLI, Francesco - FRIEL, Jamie F. - DATTA, Animesh. *Evaluating the Holevo Cramer-Rao Bound for Multiparameter Quantum Metrology*. In *PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 123, no. 20, 200503., Registrované v: WOS*
2. [1.1] ANWER, Hammad - NAWAREG, Mohamed - CABELLO, Adan - BOURENNANE, Mohamed. *Experimental test of maximal tripartite nonlocality using an entangled state and local measurements that are maximally incompatible*. In *PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 2, 022104., Registrované v: WOS*
3. [1.1] BRAINERD, C. J. - NAKAMURA, K. - CHANG, M. - BIALER, D. M. *Super-overdistribution*. In *JOURNAL OF MEMORY AND LANGUAGE. ISSN 0749-596X, 2019, vol. 108, 104027., Registrované v: WOS*
4. [1.1] CARMELI, Claudio - CASSINELLI, Gianni - TOIGO, Alessandro. *Constructing Extremal Compatible Quantum Observables by Means of Two Mutually Unbiased Bases*. In *FOUNDATIONS OF PHYSICS. ISSN 0015-9018, 2019, vol. 49, no. 6, pp. 532-548., Registrované v: WOS*
5. [1.1] DESIGNOLLE, Sebastien - FARKAS, Mate - KANIEWSKI, Jędrzej. *Incompatibility robustness of quantum measurements: a unified framework*. In

NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2019, vol. 21, no. 11, 113053., Registrované v: WOS

6. [1.1] *DESIGNOLLE, Sebastien - SKRZYPCZYK, Paul - FROEWIS, Florian - BRUNNER, Nicolas. Quantifying Measurement Incompatibility of Mutually Unbiased Bases. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 122, no. 5, 050402., Registrované v: WOS*

7. [1.1] *GUERINI, Leonardo - QUINTINO, Marco Tulio - AOLITA, Leandro. Distributed sampling, quantum communication witnesses, and measurement incompatibility. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 4, 042308., Registrované v: WOS*

8. [1.1] *HAMAMURA, Ikko - MIYADERA, Takayuki. Relation between the state distinction power and disturbance in quantum measurements. In JOURNAL OF MATHEMATICAL PHYSICS. ISSN 0022-2488, 2019, vol. 60, no. 8, 082103., Registrované v: WOS*

9. [1.1] *QUINTINO, Marco Tulio - BUDRONI, Costantino - WOODHEAD, Erik - CABELLO, Adan - CAVALCANTI, Daniel. Device-Independent Tests of Structures of Measurement Incompatibility. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 123, no. 18, 180401., Registrované v: WOS*

10. [1.1] *SIUDZINSKA, Katarzyna - LUOMA, Kimmo - STRUNZ, Walter T. Geometry on the manifold of Gaussian quantum channels. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 6, 062308., Registrované v: WOS*

11. [1.1] *SKRZYPCZYK, Paul - SUPIC, Ivan - CAVALCANTI, Daniel. All Sets of Incompatible Measurements give an Advantage in Quantum State Discrimination. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 122, no. 13, 130403., Registrované v: WOS*

12. [1.1] *STYLIARIS, Georgios - ZANARDI, Paolo. Quantifying the Incompatibility of Quantum Measurements Relative to a Basis. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 123, no. 7, 070401., Registrované v: WOS*

13. [1.1] *XIAO, Yunlong - GUO, Cheng - MENG, Fei - JING, Naihuan - YUNG, Man-Hong. Incompatibility of observables as state-independent bound of uncertainty relations. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 3, 032118., Registrované v: WOS*

14. [1.1] *XU, Zhen-Peng - CABELLO, Man. Necessary and sufficient condition for contextuality from incompatibility. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 99, no. 2, 020103., Registrované v: WOS*

ADCA395 HEINOSAARI, T. - JIVULESCU, M.A. - REITZNER, Daniel - ZIMAN, Mário. Approximating incompatible von Neumann measurements simultaneously. In Physical Review A, 2010, vol. 82, no. 3, 032328. (2009: 2.866 - IF, Q2 - JCR, 2.469 - SJR, Q1 - SJR, karentované - CCC). (2010 - Current Contents). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.82.032328>

Citácie:

1. [1.1] *HOFMANN, Holger F. Local measurement uncertainties impose a limit on nonlocal quantum correlations. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 1, 012123., Registrované v: WOS*

ADCA396 HEINOSAARI, T. - REITZNER, Daniel - STAÑO, Peter. Notes on joint measurability of quantum observables. In Foundations of Physics, 2008, vol. 38, no. 12, p. 1133-1147. (2007: 0.951 - IF, Q3 - JCR, 0.622 - SJR, Q2 - SJR, karentované - CCC). (2008 - Current Contents). ISSN 0015-9018. Dostupné na: <https://doi.org/10.1007/s10701-008-9256-7>

Citácie:

1. [1.1] CHITAMBAR, Eric - GOUR, Gilad. Quantum resource theories. In *REVIEWS OF MODERN PHYSICS*. ISSN 0034-6861, 2019, vol. 91, no. 2, 025001., Registrované v: WOS
2. [1.1] DESIGNOLLE, Sebastien - FARKAS, Mate - KANIEWSKI, Jędrzej. Incompatibility robustness of quantum measurements: a unified framework. In *NEW JOURNAL OF PHYSICS*. ISSN 1367-2630, 2019, vol. 21, no. 11, 113053., Registrované v: WOS
3. [1.1] GUERINI, Leonardo - QUINTINO, Marco Tulio - AOLITA, Leandro. Distributed sampling, quantum communication witnesses, and measurement incompatibility. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2019, vol. 100, no. 4, 042308., Registrované v: WOS
4. [1.1] HAAPASALO, Erkka. Compatibility of Covariant Quantum Channels with Emphasis on Weyl Symmetry. In *ANNALES HENRI POINCARÉ*. ISSN 1424-0637, 2019, vol. 20, no. 9, pp. 3163-3195., Registrované v: WOS
5. [1.1] HALL, Michael J. W. - RIVAS, Angel. Geometry of joint reality: Device-independent steering and operational completeness. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2019, vol. 100, no. 6, 062105., Registrované v: WOS
6. [1.1] HOFMANN, Holger F. Local measurement uncertainties impose a limit on nonlocal quantum correlations. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2019, vol. 100, no. 1, 012123., Registrované v: WOS
7. [1.1] KUNJWAL, Ravi. Beyond the Cabello-Severini-Winter framework: Making sense of contextuality without sharpness of measurements. In *QUANTUM*. ISSN 2521-327X, 2019, vol. 3., Registrované v: WOS
8. [1.1] QUINTINO, Marco Tulio - BUDRONI, Costantino - WOODHEAD, Erik - CABELLO, Adán - CAVALCANTI, Daniel. Device-Independent Tests of Structures of Measurement Incompatibility. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2019, vol. 123, no. 18, 180401., Registrované v: WOS
9. [1.1] UOLA, Roope - VITAGLIANO, Giuseppe - BUDRONI, Costantino. Leggett-Garg macrorealism and the quantum nondisturbance conditions. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2019, vol. 100, no. 4, 042117., Registrované v: WOS
10. [1.1] XU, Zhen-Peng - CABELLO, Man. Necessary and sufficient condition for contextuality from incompatibility. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2019, vol. 99, no. 2, 020103., Registrované v: WOS
11. [1.1] ZHEN, Yi-Zheng - XU, Xin-Yu - LI, Li - LIU, Nai-Le - CHEN, Kai. The Einstein-Podolsky-Rosen Steering and Its Certification. In *ENTROPY*, 2019, vol. 21, no. 4, 422., Registrované v: WOS

ADCA397 HEINOSAARI, Teiko - REITZNER, Daniel - RYBÁŘ, Tomáš - ZIMAN, Mário. Incompatibility of unbiased qubit observables and Pauli channels. In *Physical Review A*, 2018, vol. 97, no. 2, 022112. (2017: 2.909 - IF, Q1 - JCR, 1.288 - SJR, Q1 - SJR, karentované - CCC). (2018 - Current Contents). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.97.022112>

Citácie:

1. [1.1] HAAPASALO, Erkka. Compatibility of Covariant Quantum Channels with Emphasis on Weyl Symmetry. In *ANNALES HENRI POINCARÉ*. ISSN 1424-0637, 2019, vol. 20, no. 9, pp. 3163-3195., Registrované v: WOS

ADCA398 HENDRYCH, A. - ŽIVOTSKÝ, O. - JIRÁSKOVÁ, Y. - MAŤKO, Igor. The surface and bulk magnetic properties of Fe-Al alloys. In *Acta Physica Polonica A*, 2014, vol. 126, no. 1, p. 58-59. (2013: 0.604 - IF, Q4 - JCR, 0.345 - SJR, karentované - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1898-794X. Dostupné na: <https://doi.org/10.12693/APhysPolA.126.58>

Citácie:

1. [1.1] KERKACHE, L. - LAYADI, A. - HEMMOUS, M. - GUITTOUM, A. - MEBARKI, M. - TIERCELIN, N. - KLIMOV, A. - PREOBRAZHENSKY, V. - PERNOD, P. *MOKE Magnetometer Studies of Evaporated Ni and Ni/Cu Thin Films onto Different Substrates. In SPIN. ISSN 2010-3247, 2019, vol. 9, no. 1, 1950006., Registrované v: WOS*

ADCA399 HENLEY, C.L. - MIHALKOVIČ, Marek - WIDOM, M. Total-energy-based structure prediction for d(AlNiCo). In Journal of Alloys and Compounds, 2002, vol. 342, no. 1-2, p. 221- 227. (2001: 0.953 - IF, karentované - CCC). (2002 - Current Contents, WOS, SCOPUS). Dostupné na: [https://doi.org/10.1016/S0925-8388\(02\)00199-8](https://doi.org/10.1016/S0925-8388(02)00199-8)

Citácie:

1. [1.1] HAN, Insung - XIAO, Xianghui - SUN, Haiping - SHAHANI, Ashwin J. *A side-by-side comparison of the solidification dynamics of quasicrystalline and approximant phases in the Al-Co-Ni system. In ACTA CRYSTALLOGRAPHICA A- FOUNDATION AND ADVANCES. ISSN 2053-2733, 2019, vol. 75, pp. 281-296., Registrované v: WOS*

ADCA400 HERMAN, M. - MARCINKOWSKI, A. - BIELEWICZ, J. - OBLOŽINSKÝ, Pavol. CROSS-SECTIONS FOR (N,P) AND (N,N') REACTIONS ON PD, CD AND OS. In Nuclear Physics A, 1978, vol. 297, no. 2, p. 335-346. ISSN 0375-9474. Dostupné na: [https://doi.org/10.1016/0375-9474\(78\)90280-4](https://doi.org/10.1016/0375-9474(78)90280-4)

Citácie:

1. [1.1] YIGIT, Mustafa - BOSTAN, Sumeyye Nur. *Study on cross section calculations for (n,p) nuclear reactions of cadmium isotopes. In APPLIED RADIATION AND ISOTOPES. ISSN 0969-8043, 2019, vol. 154, UNSP 108868., Registrované v: WOS*

ADCA401 HILLERY, M. - BUŽEK, Vladimír - ZIMAN, Mário. Probabilistic implementation of universal quantum processors. In Physical Review A, 2002, vol. 65, no. 2, p. 022301. ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.65.022301>

Citácie:

1. [1.1] KUBICKI, Aleksander M. - PALAZUELOS, Carlos - PEREZ-GARCIA, David. *Resource Quantification for the No-Programming Theorem. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 122, no. 8, 080505., Registrované v: WOS*

2. [1.1] MO, Yin - CHIRIBELLA, Giulio. *Quantum-enhanced learning of rotations about an unknown direction. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2019, vol. 21, no. 11, 113003., Registrované v: WOS*

ADCA402 HILLERY, M. - MLODINOW, L. - BUŽEK, Vladimír. Quantum interference with molecules: The role of internal states. In Physical Review A, 2005, vol. 71, no. 6, 062103. ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.71.062103>

Citácie:

1. [1.1] DOMOTOR, Pirooska - BENEDICT, Mihaly G. *Scattering of a classical rotating object by a screen with a slit. In PHYSICA SCRIPTA. ISSN 0031-8949, 2019, vol. 94, no. 2, 024002., Registrované v: WOS*

ADCA403 HILLERY, M. - BUŽEK, Vladimír - BERTHIAUME, A. Quantum secret sharing. In Physical Review A, 1999, vol. 59, no. 3, p. 1829-1834. ISSN 1050-2947.

Citácie:

1. [1.1] ABO-KAHLA, Doaa Abo M. - FAROUK, Ahmed. *Entanglement and Entropy of a Three-Qubit System Interacting with a Quantum Spin Environment. In APPLIED SCIENCES-BASEL, 2019, vol. 9, no. 23, 5222., Registrované v: WOS*

2. [1.1] ABULKASIM, Hussein - ALOTAIBI, Afraa. Improvement on 'Multiparty Quantum Key Agreement with Four-Qubit Symmetric W State'. In *INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS*. ISSN 0020-7748, 2019, vol. 58, no. 12, pp. 4235-4240., Registrované v: WOS
3. [1.1] ABULKASIM, Hussein - FAROUK, Ahmed - HAMAD, Safwat - MASHATAN, Atefeh - GHOSE, Shohini. Secure dynamic multiparty quantum private comparison. In *SCIENTIFIC REPORTS*. ISSN 2045-2322, 2019, vol. 9, 17818., Registrované v: WOS
4. [1.1] AGRAWAL, Sristy - HALDER, Saronath - BANIK, Manik. Genuinely entangled subspace with all-encompassing distillable entanglement across every bipartition. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2019, vol. 99, no. 3, 032335., Registrované v: WOS
5. [1.1] ARZANI, Francesco - FERRINI, Giulia - GROSSHANS, Frederic - MARKHAM, Damian. Random coding for sharing bosonic quantum secrets. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2019, vol. 100, no. 2, 022303., Registrované v: WOS
6. [1.1] AVILA AOKI, Manuel - GERARDO HONORATO, Carlos - HERNANDEZ VAZQUEZ, Jose Eladio. Time Evolution of the 3-Tangle of a System of 3-Qubit Interacting through a XY Hamiltonian. In *COMPUTACION Y SISTEMAS*. ISSN 1405-5546, 2019, vol. 23, no. 2, pp. 469-476., Registrované v: WOS
7. [1.1] BAI, Hai-Yan - LI, Zhi-Hui - HAO, Na. Quantum Security Computation on Shared Secrets. In *INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS*. ISSN 0020-7748, 2019, vol. 58, no. 1, pp. 10-21., Registrované v: WOS
8. [1.1] BARASINSKI, Artur - CERNOCH, Antonin - LEMR, Karel. Demonstration of Controlled Quantum Teleportation for Discrete Variables on Linear Optical Devices. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2019, vol. 122, no. 17, 170501., Registrované v: WOS
9. [1.1] BARRETT, Thomas D. - RUBENOK, Allison - STUART, Dustin - BARTER, Oliver - HOLLECZEK, Annemarie - DILLEY, Jerome - NISBET-JONES, Peter B. R. - POULIOS, Konstantinos - MARSHALL, Graham D. - O'BRIEN, Jeremy L. - POLITI, Alberto - MATTHEWS, Jonathan C. F. - KUHN, Axel. Multimode interferometry for entangling atoms in quantum networks. In *QUANTUM SCIENCE AND TECHNOLOGY*. ISSN 2058-9565, 2019, vol. 4, no. 2, 025008., Registrované v: WOS
10. [1.1] BASSIRIAN, Roozbeh - BOREIRI, Sadra - KARIMIPOUR, Vahid. Computing on quantum shared secrets for general quantum access structures. In *QUANTUM INFORMATION PROCESSING*. ISSN 1570-0755, 2019, vol. 18, no. 4, 109., Registrované v: WOS
11. [1.1] BERNARDO, Bertulio de Lima - LENCSES, Mate - BRITO, Samurai - CANABARRO, Askery. Greenberger-Horne-Zeilinger state generation with linear optical elements. In *QUANTUM INFORMATION PROCESSING*. ISSN 1570-0755, 2019, vol. 18, no. 11, 331., Registrované v: WOS
12. [1.1] BREINER, Spencer - KALEV, Amir - MILLER, Carl A. Parallel Self-Testing of the GHZ State with a Proof by Diagrams. In *ELECTRONIC PROCEEDINGS IN THEORETICAL COMPUTER SCIENCE*. ISSN 2075-2180, 2019, no. 287, pp. 43-66., Registrované v: WOS
13. [1.1] BUENANO, Hernando - GUACHIMBOSA, Victor H. V. - RUIZ, Jaime - SALAZAR MERA, Javier - SANCHEZ GUERRERO, Javier. A Reliable Security Alternative: Quantum Cryptography. In *2019 SIXTH INTERNATIONAL CONFERENCE ON EDEMOCRACY & EGOVERNMENT (ICEDEG)*. ISSN 2573-2005, 2019, vol., pp. 357-361., Registrované v: WOS
14. [1.1] CAI, Xiaoqiu - WANG, Tianyin - ZHANG, Ruiling - GAO, Fei. Security

- of Verifiable Threshold Quantum Secret Sharing With Sequential Communication. In IEEE ACCESS. ISSN 2169-3536, 2019, vol. 7, pp. 134854-134861., Registrované v: WOS*
15. [1.1] CAO THI BICH - NGUYEN BA AN. Hierarchically controlling quantum teleportations. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2019, vol. 18, no. 8, 245., Registrované v: WOS
 16. [1.1] CAO, Hao - MA, Wenping - LUE, Liangdong - HE, Yefeng - LIU, Ge. Multi-party quantum privacy comparison of size based on d-level GHZ states. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2019, vol. 18, no. 9, 287., Registrované v: WOS
 17. [1.1] CAO, Wei-Feng - YANG, Yu-Guang. Verifiable Quantum Secret Sharing Protocols Based on Four-Qubit Entangled States. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2019, vol. 58, no. 4, pp. 1202-1214., Registrované v: WOS
 18. [1.1] CHANG, Yan - ZHANG, Shibin - YANI, Lili - HAN, Guihua - SONG, Haiquan - ZHANG, Yan - LI, Xueyang - WANG, Qirun. A Quantum Authorization Management Protocol Based on EPR-Pairs. In CMC-COMPUTERS MATERIALS & CONTINUA. ISSN 1546-2218, 2019, vol. 59, no. 3, pp. 1005-1014., Registrované v: WOS
 19. [1.1] CHEN, Bingren - XUE, Lide - YANG, Wei - HUANG, Liusheng. How Bob in Quantum Private Query Protocol Gets the Element? In IEEE ACCESS. ISSN 2169-3536, 2019, vol. 7, pp. 116848-116858., Registrované v: WOS
 20. [1.1] CHEN, Lin. The convex set containing two-qutrit maximally entangled states. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2019, vol. 18, no. 2, 46., Registrované v: WOS
 21. [1.1] CHEN, Xiu-Bo - SUN, Yi-Ru - XU, Gang - YANG, Yi-Xian. Quantum homomorphic encryption scheme with flexible number of evaluator based on (k, n) -threshold quantum state sharing. In INFORMATION SCIENCES. ISSN 0020-0255, 2019, vol. 501, pp. 172-181., Registrované v: WOS
 22. [1.1] CHONG-QIANG, Ye - TIAN-YU, Ye - DE, He - ZHI-GANG, Gan. Multiparty Semi-Quantum Secret Sharing with d-Level Single-Particle States. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2019, vol. 58, no. 11, pp. 3797-3814., Registrované v: WOS
 23. [1.1] CHOUDHURY, B. S. - SAMANTA, S. A Remote State Preparation Scheme Initiated and Fixed by a Mentor. In PHYSICS OF PARTICLES AND NUCLEI LETTERS. ISSN 1547-4771, 2019, vol. 16, no. 6, pp. 608-612., Registrované v: WOS
 24. [1.1] CHOUDHURY, Binayak S. - SAMANTA, Soumen. An optional remote state preparation protocol for a four-qubit entangled state. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2019, vol. 18, no. 4, 118., Registrované v: WOS
 25. [1.1] CHOUDHURY, Binayak S. - SAMANTA, Soumen. Bidirectional Teleportation of Three-Qubit Generalized W-States Using Multipartite Quantum Entanglement. In PHYSICS OF PARTICLES AND NUCLEI LETTERS. ISSN 1547-4771, 2019, vol. 16, no. 3, pp. 206-215., Registrované v: WOS
 26. [1.1] COHEN, Scott M. Strong bounds on required resources for quantum channels by local operations and classical communication. In PHYSICAL REVIEW A. ISSN 1050-2947, 2019, vol. 100, no. 4, 042324., Registrované v: WOS
 27. [1.1] CONTRERAS-TEJADA, Patricia - PALAZUELOS, Carlos - DE VICENTE, Julio. Resource Theory of Entanglement with a Unique Multipartite Maximally Entangled State. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007,

- 2019, vol. 122, no. 12, 120503., Registrované v: WOS
28. [1.1] CUI, Zheng-Xia - ZHONG, Wei - ZHOU, Lan - SHENG, Yu-Bo. *Measurement-device-independent quantum key distribution with hyper-encoding.* In *SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY*. ISSN 1674-7348, 2019, vol. 62, no. 11, 110311., Registrované v: WOS
29. [1.1] CUNHA, Marcio M. - FONSECA, Alejandro - SILVA, Edilberto O. *Tripartite Entanglement: Foundations and Applications.* In *UNIVERSE*, 2019, vol. 5, no. 10, 209., Registrované v: WOS
30. [1.1] DOU, Zhao - XU, Gang - CHEN, Xiubo - YUAN, Kaiguo. *Rational Non-Hierarchical Quantum State Sharing Protocol.* In *CMC-COMPUTERS MATERIALS & CONTINUA*. ISSN 1546-2218, 2019, vol. 58, no. 2, pp. 335-347., Registrované v: WOS
31. [1.1] DU, Fang-Fang - LIU, Yong-Ting - SHI, Zhen-Rong - LIANG, Yu-Xi - TANG, Jun - LIU, Jun. *Efficient hyperentanglement purification for three-photon systems with the fidelity-robust quantum gates and hyperentanglement link.* In *OPTICS EXPRESS*. ISSN 1094-4087, 2019, vol. 27, no. 19, pp. 27046-27061., Registrované v: WOS
32. [1.1] DU, Zhenlong - LI, Xiaoli. *A layered quantum communication path protocol cross multiple participants based on entanglement swapping.* In *QUANTUM INFORMATION PROCESSING*. ISSN 1570-0755, 2019, vol. 18, no. 7, 226., Registrované v: WOS
33. [1.1] DU, Zhenlong - LI, Xiaoli. *Robust High Capability QKD-Based Database Private Query.* In *INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS*. ISSN 0020-7748, 2019, vol. 58, no. 2, pp. 391-398., Registrované v: WOS
34. [1.1] FAUJDAR, Jyoti - KUMAR, Atul. *Analysing the Efficiencies of Partially Entangled Three-Qubit States for Quantum Information Processing Under Real Conditions.* In *ZEITSCHRIFT FÜR NATURFORSCHUNG SECTION A-A JOURNAL OF PHYSICAL SCIENCES*. ISSN 0932-0784, 2019, vol. 74, no. 6, pp. 523-537., Registrované v: WOS
35. [1.1] FLAMINI, Fulvio - SPAGNOLO, Nicolo - SCIARRINO, Fabio. *Photonic quantum information processing: a review.* In *REPORTS ON PROGRESS IN PHYSICS*. ISSN 0034-4885, 2019, vol. 82, no. 1, 016001., Registrované v: WOS
36. [1.1] GAO, Cheng-Yan - REN, Bao-Cang - ZHANG, Yuan-Xia - AI, Qing - DENG, Fu-Guo. *The Linear Optical Unambiguous Discrimination of Hyperentangled Bell States Assisted by Time Bin.* In *ANNALEN DER PHYSIK*. ISSN 0003-3804, 2019, vol. 531, no. 10, 1900201., Registrované v: WOS
37. [1.1] GAO, Gan - WEI, Chang-Cheng - WANG, Dong. *Cryptanalysis and improvement of dynamic quantum secret sharing protocol based on two-particle transform of Bell states.* In *QUANTUM INFORMATION PROCESSING*. ISSN 1570-0755, 2019, vol. 18, no. 6, 186., Registrované v: WOS
38. [1.1] GESSNER, Manuel - SMERZI, Augusto. *Encrypted quantum correlations: delayed choice of quantum statistics and other applications.* In *EPJ QUANTUM TECHNOLOGY*. ISSN 2662-4400, 2019, vol. 6, no. 1, 4., Registrované v: WOS
39. [1.1] GOGIOSO, Stefano - ZENG, William. *GENERALISED MERMIN-TYPE NON-LOCALITY ARGUMENTS.* In *LOGICAL METHODS IN COMPUTER SCIENCE*. ISSN 1860-5974, 2019, vol. 15, no. 2, 51., Registrované v: WOS
40. [1.1] GRICE, Warren P. - QI, Bing. *Quantum secret sharing using weak coherent states.* In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2019, vol. 100, no. 2, 022339., Registrované v: WOS
41. [1.1] GU, Jun - HWANG, Tzonelih - TSAI, Chia-Wei. *Improvement on*

- "Cryptanalysis and Improvement of a Multiparty Quantum Direct Secret Sharing of Classical Messages with Bell States and Bell Measurements";. In *INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS*. ISSN 0020-7748, 2019, vol. 58, no. 7, pp. 2341-2345., Registrované v: WOS
42. [1.1] GUO, Peng-Liang - GAO, Cheng-Yan - LI, Tao - LI, Xi-Han - DENG, Fu-Guo. Quantum error rejection for faithful quantum communication over noise channels. In *SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY*. ISSN 1674-7348, 2019, vol. 62, no. 11, 110301., Registrované v: WOS
43. [1.1] GUO, Peng-Liang - LI, Tao - AI, Qing - DENG, Fu-Guo. Self-error-rejecting quantum state transmission of entangled photons for faithful quantum communication without calibrated reference frames. In *EPL*. ISSN 0295-5075, 2019, vol. 127, no. 6., Registrované v: WOS
44. [1.1] GYONGYOSI, Laszlo - BACSARDI, Laszlo - IMRE, Sandor. A Survey on Quantum Key Distribution. In *INFOCOMMUNICATIONS JOURNAL*. ISSN 2061-2079, 2019, vol. 11, no. 2, pp. 14-21., Registrované v: WOS
45. [1.1] HABIBIDAVIJANI, Masoud - SANDERS, Barry C. Continuous-variable ramp quantum secret sharing with Gaussian states and operations. In *NEW JOURNAL OF PHYSICS*. ISSN 1367-2630, 2019, vol. 21, no. 11, 113023., Registrované v: WOS
46. [1.1] HAO, Na - LI, Zhi-Hui - BAI, Hai-Yan - BAI, Chen-Ming. A New Quantum Secret Sharing Scheme Based on Mutually Unbiased Bases. In *INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS*. ISSN 0020-7748, 2019, vol. 58, no. 4, pp. 1249-1261., Registrované v: WOS
47. [1.1] HE, Qijian - YANG, Wei - CHEN, Bingren - HUANG, Liusheng. Cryptanalysis and improvement of the novel semi-quantum secret sharing scheme using entangled states. In *MODERN PHYSICS LETTERS B*. ISSN 0217-9849, 2019, vol. 33, no. 4, 1950045., Registrované v: WOS
48. [1.1] HE, Wan-Ting - WANG, Jun - ZHANG, Tian-Tian - ALZHRANI, Faris - HOBINY, Aatef - ALSAEDI, Ahmed - HAYAT, Tasawar - DENG, Fu-Guo. High-Efficiency Three-Party Quantum Key Agreement Protocol with Quantum Dense Coding and Bell States. In *INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS*. ISSN 0020-7748, 2019, vol. 58, no. 9, pp. 2834-2846., Registrované v: WOS
49. [1.1] HIRAI, Hayato. Shrinking of operators in quantum error correction and AdS/CFT. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2019, vol., no. 12, 128., Registrované v: WOS
50. [1.1] HONG-MING, Pan. A Novel Pure Entangled State Based Two-Party Quantum Private Comparison Protocol. In *INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS*. ISSN 0020-7748, 2019, vol. 58, no. 11, pp. 3822-3827., Registrované v: WOS
51. [1.1] HU, Kang - WANG, Le - MAO, Qianping - SHEN, Zhigang - ZHAO, Shengmei - GRUSKA, Jozef. A quantum secret sharing scheme without monitoring signal disturbance. In *OPTIK*. ISSN 0030-4026, 2019, vol. 181, pp. 810-815., Registrované v: WOS
52. [1.1] HUANG, Chien-Ying - LAMBERT, Neill - LI, Che-Ming - LU, Yen-Te - NORI, Franco. Securing quantum networking tasks with multipartite Einstein-Podolsky-Rosen steering. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2019, vol. 99, no. 1, 012302., Registrované v: WOS
53. [1.1] HUANG, Wei-cong - YANG, Yong-kai - JIANG, Dong - CHEN, Li-jun. Efficient travelling-mode quantum key agreement against participant's attacks. In *SCIENTIFIC REPORTS*. ISSN 2045-2322, 2019, vol. 9, 16421., Registrované v: WOS

54. [1.1] HUANG, Zhiming - SITU, Haozhen. Protection of quantum dialogue affected by quantum field. In *QUANTUM INFORMATION PROCESSING*. ISSN 1570-0755, 2019, vol. 18, no. 1, 37., Registrované v: WOS
55. [1.1] HUANG, Zhiming. Quantum secret sharing affected by vacuum fluctuation. In *QUANTUM INFORMATION PROCESSING*. ISSN 1570-0755, 2019, vol. 18, no. 3, 88., Registrované v: WOS
56. [1.1] HUANG, Zixin - MACCHIAVELLO, Chiara - MACCONE, Lorenzo. Cryptographic quantum metrology. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2019, vol. 99, no. 2, 022314., Registrované v: WOS
57. [1.1] IMANY, Poolad - JARAMILLO-VILLEGAS, Jose A. - ALSHAYKH, Mohammed S. - LUKENS, Joseph M. - ODELE, Ogaga D. - MOORE, Alexandria J. - LEAIRD, Daniel E. - QI, Minghao - WEINER, Andrew M. High-dimensional optical quantum logic in large operational spaces. In *NPJ QUANTUM INFORMATION*. ISSN 2056-6387, 2019, vol. 5, 59., Registrované v: WOS
58. [1.1] JAIN, Aditya - CHAKRABARTY, Ndranil - CHATTERJEE, Sourav. Asymmetric broadcasting of quantum correlations. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2019, vol. 99, no. 2, 022315., Registrované v: WOS
59. [1.1] JI, ZhaoXu - ZHANG, HuanGuo - FAN, PeiRu. Two-party quantum private comparison protocol with maximally entangled seven-qubit state. In *MODERN PHYSICS LETTERS A*. ISSN 0217-7323, 2019, vol. 34, no. 28, 1950229., Registrované v: WOS
60. [1.1] JI, ZhaoXu - ZHANG, HuanGuo - WANG, HouZhen - WU, FuSheng - JIA, JianWei - WU, WanQing. Quantum protocols for secure multi-party summation. In *QUANTUM INFORMATION PROCESSING*. ISSN 1570-0755, 2019, vol. 18, no. 6, 168., Registrované v: WOS
61. [1.1] JIANG, Dong - YANG, Yongkai - GUANG, Qisheng - GAO, Chaohui - CHEN, Lijun. EAVESDROPPING ON QUANTUM SECRET SHARING PROTOCOLS BASED ON RING TOPOLOGY. In *QUANTUM INFORMATION & COMPUTATION*. ISSN 1533-7146, 2019, vol. 19, no. 7-8, pp. 587-600., Registrované v: WOS
62. [1.1] JO, Yonggi - SON, Wonmin. Semi-device-independent multiparty quantum key distribution in the asymptotic limit. In *OSA CONTINUUM*. ISSN 2578-7519, 2019, vol. 2, no. 3, pp. 814-826., Registrované v: WOS
63. [1.1] KANG, Ye - LIAO, Qin - GENG, Jian - GUO, Ying. Continuous Variable Quantum Secret Sharing with Chinese Remainder Theorem. In *INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS*. ISSN 0020-7748, 2019, vol. 58, no. 12, pp. 3986-3997., Registrované v: WOS
64. [1.1] KANG, Yi-Hao - SHI, Zhi-Cheng - HUANG, Bi-Hua - SONG, Jie - XIA, Yan. Deterministic conversions between Greenberger-Horne-Zeilinger states and W states of spin qubits via Lie-transform-based inverse Hamiltonian engineering. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2019, vol. 100, no. 1, 012332., Registrované v: WOS
65. [1.1] KHAKBIZ, Parvaneh - ASOUDEH, Marzieh. Sequential quantum secret sharing in noisy environments. In *QUANTUM INFORMATION PROCESSING*. ISSN 1570-0755, 2019, vol. 18, no. 1, 11., Registrované v: WOS
66. [1.1] LI, Bo - JIANG, Shu-han - LIANG, Xiao-Bin - LI-JOST, Xianqing - FAN, Heng - FEI, Shao-Ming. Deterministic versus probabilistic quantum information masking. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2019, vol. 99, no. 5, 052343., Registrované v: WOS
67. [1.1] LI, Chaoyang - CHEN, Xiubo - LI, Hengji - YANG, Yuguang - LI, Jian. Efficient quantum private comparison protocol based on the entanglement swapping between four-qubit cluster state and extended Bell state. In *QUANTUM*

INFORMATION PROCESSING. ISSN 1570-0755, 2019, vol. 18, no. 5, 158.,

Registrované v: WOS

68. [1.1] LI, Dong-fen - WANG, Rui-jin - BAAGYERE, Edward. *Quantum teleportation of an arbitrary two-qubit state by using two three-qubit GHZ states and the six-qubit entangled state. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2019, vol. 18, no. 5, 147., Registrované v: WOS*

69. [1.1] LI, Heng-Ji - LI, Jian - XIANG, Nan - ZHENG, Yan - YANG, Yu-Guang - NASERI, Mosayeb. *A new kind of universal and flexible quantum information splitting scheme with multi-coin quantum walks. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2019, vol. 18, no. 10, 316., Registrované v: WOS*

70. [1.1] LI, Hong-Mei - SU, Xue-Mei. *Robustness of qubit-qudit entanglement under decoherence. In EUROPEAN PHYSICAL JOURNAL D. ISSN 1434-6060, 2019, vol. 73, no. 3, 56., Registrované v: WOS*

71. [1.1] LI, Jian - ZHOU, Zhengyan - WANG, Na - TIAN, Yuan - YANG, Yu-Guang - ZHENG, Yan. *Deterministic Quantum Secure Direct Communication Protocol Based on Hyper-Entangled State. In IEEE ACCESS. ISSN 2169-3536, 2019, vol. 7, pp. 43948-43955., Registrované v: WOS*

72. [1.1] LI, Jiu-Ming - HUA, Ming - YAN, Xue-Qun. *NOON State Generation with Phonons in Acoustic Wave Resonators Assisted by a Nitrogen-Vacancy-Center Ensemble. In ANNALEN DER PHYSIK. ISSN 0003-3804, 2019, vol. 531, no. 2, 1800430., Registrované v: WOS*

73. [1.1] LI, Mao-Sheng - WANG, Yan-Ling. *k-uniform quantum states arising from orthogonal arrays. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 99, no. 4, 042332., Registrované v: WOS*

74. [1.1] LI, Tao - MIRANOWICZ, Adam - XIA, Keyu - NORI, Franco. *Resource-efficient analyzer of Bell and Greenberger-Horne-Zeilinger states of multiphoton systems. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 5, 052302., Registrované v: WOS*

75. [1.1] LIANG, Xiang-Qian - WU, Yu-Liang - ZHANG, Yong-Hua - WANG, Sha-Sha - XU, Guang-Bao. *Quantum Multi-proxy Blind Signature Scheme Based on Four-Qubit Cluster States. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2019, vol. 58, no. 1, pp. 31-39., Registrované v: WOS*

76. [1.1] LIANG, Xiao-Bin - LI, Bo - FEI, Shao-Ming. *Complete characterization of qubit masking. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 3, 030304., Registrované v: WOS*

77. [1.1] LIM, Youngrong - KIM, Jaewan - LEE, Soojoon - JEONG, Kabgyun. *Maximally entangled states in discrete and Gaussian regimes. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2019, vol. 18, no. 2, 43., Registrované v: WOS*

78. [1.1] LIN, Po-Hua - HWANG, Tzonelih - TSAI, Chia-Wei. *Efficient semi-quantum private comparison using single photons. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2019, vol. 18, no. 7, 207., Registrované v: WOS*

79. [1.1] LIN, Po-Hua - TSAI, Chia-Wei - HWANG, Tzonelih. *Mediated Semi-Quantum Key Distribution Using Single Photons. In ANNALEN DER PHYSIK. ISSN 0003-3804, 2019, vol. 531, no. 8, 1800347., Registrované v: WOS*

80. [1.1] LIU, Bin - GAO, Zhi-Feng - XIAO, Di - HUANG, Wei - ZHANG, Zhi-Qing - LI, Yang - XU, Bing-Jie. *QKD-Based Quantum Private Query Protocol in the Single-Photon Interference Communication System. In IEEE ACCESS. ISSN 2169-3536, 2019, vol. 7, pp. 104749-104758., Registrované v: WOS*

81. [1.1] LIU, Bin - GAO, Zhifeng - XIAO, Di - HUANG, Wei - LIU, Xingbin -

- XU, Bingjie. Quantum identity authentication in the orthogonal-state-encoding QKD system. In *QUANTUM INFORMATION PROCESSING*. ISSN 1570-0755, 2019, vol. 18, no. 5, 137., Registrované v: WOS
82. [1.1] LIU, Bin - GAO, Zhifeng - XIAO, Di - HUANG, Wei - ZHANG, Zhiqing - XU, Bingjie. Quantum Identity Authentication in the Counterfactual Quantum Key Distribution Protocol. In *ENTROPY*, 2019, vol. 21, no. 5, 518., Registrované v: WOS
83. [1.1] LIU, Feng - GAO, Dong-Mei - CAI, Xiao-Qiu. Tighter Superadditivity Relations in Multiqubit Systems. In *INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS*. ISSN 0020-7748, 2019, vol. 58, no. 10, pp. 3589-3593., Registrované v: WOS
84. [1.1] LIU, Ren-Ju - BAI, Ming-Qiang - WU, Fan - ZHANG, Yu-Chun. Cyclic-controlled quantum operation teleportation in noisy environment. In *INTERNATIONAL JOURNAL OF QUANTUM INFORMATION*. ISSN 0219-7499, 2019, vol. 17, no. 7., Registrované v: WOS
85. [1.1] LIU, Wenjie - GAO, Peipei - LIU, Zhihao - CHEN, Hanwu - ZHANG, Maojun. A Quantum-Based Database Query Scheme for Privacy Preservation in Cloud Environment. In *SECURITY AND COMMUNICATION NETWORKS*. ISSN 1939-0114, 2019, UNSP 4923590., Registrované v: WOS
86. [1.1] LIU, Wenjie - XU, Yinsong - ZHANG, Maojun - CHEN, Junxiu - YANG, Ching-Nung. A Novel Quantum Visual Secret Sharing Scheme. In *IEEE ACCESS*. ISSN 2169-3536, 2019, vol. 7, pp. 114374-114384., Registrované v: WOS
87. [1.1] LIU, Xiao-Fen. Cryptanalysis and Improvement of a Multiparty Quantum Direct Secret Sharing of Classical Messages with Bell States and Bell Measurements. In *INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS*. ISSN 0020-7748, 2019, vol. 58, no. 3, pp. 713-718., Registrované v: WOS
88. [1.1] LONG YINXIANG - SHAO ZHONGLIANG. Bidirectional controlled quantum teleportation by a genuine entangled 9-qubit state. In *SCIENTIA SINICA-PHYSICA MECHANICA & ASTRONOMICA*. ISSN 1674-7275, 2019, vol. 49, no. 7, 070301., Registrované v: WOS
89. [1.1] LU, Mei - ZHANG, Chun-Ling - ZHANG, Bin - LIN, Wen-Shuo. Shortcuts to adiabatic passage for the generation of maximally entangle states in a distributed atom-cavity system. In *LASER PHYSICS LETTERS*. ISSN 1612-2011, 2019, vol. 16, no. 4, 045206., Registrované v: WOS
90. [1.1] LV, Shu-Xin - JIAO, Xian-Fang - ZHOU, Ping. Multiparty Quantum Computation for Summation and Multiplication with Mutually Unbiased Bases. In *INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS*. ISSN 0020-7748, 2019, vol. 58, no. 9, pp. 2872-2882., Registrované v: WOS
91. [1.1] MAJD, Nayereh - NAZARI, Abdolmajid. d-Level (n, n) Quantum Secret Sharing Protocol. In *ADVANCED SCIENCE LETTERS*. ISSN 1936-6612, 2019, vol. 25, no. 1, pp. 62-65., Registrované v: WOS
92. [1.1] MALPANI, Priya - ALAM, Nasir - THAPLIYAL, Kishore - PATHAK, Anirban - NARAYANAN, V. - BANERJEE, Subhashish. Lower- and Higher-Order Nonclassical Properties of Photon Added and Subtracted Displaced Fock States. In *ANNALEN DER PHYSIK*. ISSN 0003-3804, 2019, vol. 531, no. 2, 1800318., Registrované v: WOS
93. [1.1] MASHHADI, Samaneh. General secret sharing based on quantum Fourier transform. In *QUANTUM INFORMATION PROCESSING*. ISSN 1570-0755, 2019, vol. 18, no. 4, 114., Registrované v: WOS
94. [1.1] MEIGNANT, Clement - MARKHAM, Damian - GROSSHANS, Frederic. Distributing graph states over arbitrary quantum networks. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2019, vol. 100, no. 5, 052333., Registrované v:

WOS

95. [1.1] MO, Xiao-Tao - XUE, Zheng-Yuan. Single-step multipartite entangled states generation from coupled circuit cavities. In *FRONTIERS OF PHYSICS*. ISSN 2095-0462, 2019, vol. 14, no. 3, 31602., Registrované v: WOS
96. [1.1] MUNDRA, Rounak - PATEL, Dhruvil - CHAKRABARTY, Indranil - GANGULY, Nirman - CHATTERJEE, Sourav. Broadcasting of quantum correlations in qubit-qudit systems. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2019, vol. 100, no. 4, 042319., Registrované v: WOS
97. [1.1] PAUL, Debolina - CHAKRABORTY, Saptarshi. A New Visual Cryptography Scheme with Perfect Contrast using Galois Fields. In *2019 3RD INTERNATIONAL CONFERENCE ON RECENT DEVELOPMENTS IN CONTROL, AUTOMATION & POWER ENGINEERING (RDCAPE)*, 2019, pp. 7-11., Registrované v: WOS
98. [1.1] PENG, Jia-Yin - BAI, Ming-qiang - MO, Zhi-Wen. Multicharacters remote rotation sharing with five-particle cluster state. In *QUANTUM INFORMATION PROCESSING*. ISSN 1570-0755, 2019, vol. 18, no. 11, 339., Registrované v: WOS
99. [1.1] PENG, Jia-Yin - HE, Yong. Annular Controlled Teleportation. In *INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS*. ISSN 0020-7748, 2019, vol. 58, no. 10, pp. 3271-3281., Registrované v: WOS
100. [1.1] QIN, Huawang - TANG, Wallace K. S. - TSO, Raylin. Three-party quantum secret sharing based on d-dimensional Bell state. In *MODERN PHYSICS LETTERS B*. ISSN 0217-9849, 2019, vol. 33, no. 3, 1950023., Registrované v: WOS
101. [1.1] QIN, Huawang - TSO, Raylin - DAI, Yuewei. Quantum secret sharing by using Fourier transform on orbital angular momentum. In *IET INFORMATION SECURITY*. ISSN 1751-8709, 2019, vol. 13, no. 2, pp. 104-108., Registrované v: WOS
102. [1.1] QIN, Huawang - TSO, Raylin. Efficient quantum secret sharing based on polarization and orbital angular momentum. In *JOURNAL OF THE CHINESE INSTITUTE OF ENGINEERS*. ISSN 0253-3839, 2019, vol. 42, no. 2, pp. 143-148., Registrované v: WOS
103. [1.1] QU, Zhiguo - WU, Shengyao - SUN, Le - WANG, Mingming - WANG, Xiaojun. Effects of quantum noises on chi state-based quantum steganography protocol. In *MATHEMATICAL BIOSCIENCES AND ENGINEERING*. ISSN 1547-1063, 2019, vol. 16, no. 5, pp. 4999-5021., Registrované v: WOS
104. [1.1] RAHMAWATI, R. - PURWANTO, A. Controlled quantum teleportation on the three control pattern via five-qubit cluster state. In *UNNES PHYSICS INTERNATIONAL SYMPOSIUM 2018 (UPIS2018)*. ISSN 1742-6588, 2019, vol. 1170, UNSP 012024., Registrované v: WOS
105. [1.1] REUTTER, David J. - VICARY, Jamie. Shaded tangles for the design and verification of quantum circuits. In *PROCEEDINGS OF THE ROYAL SOCIETY A-MATHEMATICAL PHYSICAL AND ENGINEERING SCIENCES*. ISSN 1364-5021, 2019, vol. 475, no. 2224, 20180338., Registrované v: WOS
106. [1.1] ROY, Sarbani - MUKHOPADHYAY, Sourav. Device-independent quantum secret sharing in arbitrary even dimensions. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2019, vol. 100, no. 1, 012319., Registrované v: WOS
107. [1.1] SANTRA, Siddhartha - JIANG, Liang - MALINOVSKY, Vladimir S. - IDSANTRALGMAILCOM. Quantum repeater architecture with hierarchically optimized memory buffer times. In *QUANTUM SCIENCE AND TECHNOLOGY*. ISSN 2058-9565, 2019, vol. 4, no. 2, 025010., Registrované v: WOS
108. [1.1] SENTHOOR, Kaushik - SARVEPALLI, Pradeep Kiran. Communication

- efficient quantum secret sharing. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 5, 052313., Registrované v: WOS*
109. [1.1] SHAN, Wu-Jiang - ZHANG, Xin-Ping - WANG, Wei-Qun - LIN, Mei. *Fast and robust generation of singlet state via shortcuts to adiabatic passage. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2019, vol. 18, no. 1, 22., Registrované v: WOS*
110. [1.1] SHI, Jin - MA, Peng-cheng - CHEN, Gui-Bin. *Schemes for Bidirectional Quantum Teleportation Via a Hyper-Entangled State. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2019, vol. 58, no. 2, pp. 372-382., Registrované v: WOS*
111. [1.1] SHI, Run-Hua - ZHANG, Mingwu. *A Feasible Quantum Protocol for Private Set Intersection Cardinality. In IEEE ACCESS. ISSN 2169-3536, 2019, vol. 7, pp. 72105-72112., Registrované v: WOS*
112. [1.1] SHI, Run-hua - ZHANG, Mingwu. *Privacy-preserving Quantum Sealed-bid Auction Based on Grover's Search Algorithm. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2019, vol. 9, 7626., Registrované v: WOS*
113. [1.1] SISODIA, Mitali - SHUKLA, Chitra - LONG, Gui-Lu. *Linear optics-based entanglement concentration protocols for cluster-type entangled coherent state. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2019, vol. 18, no. 8, 253., Registrované v: WOS*
114. [1.1] SONG, Xiuli - LIU, Yanbing - XIAO, Min - DENG, Hongyao. *A Verifiable (t, n) Threshold Quantum State Sharing Against Denial Attack. In IEEE ACCESS. ISSN 2169-3536, 2019, vol. 7, pp. 98908-98920., Registrované v: WOS*
115. [1.1] SU, Xi-Rong - HUANG, Yi-Wen - XIANG, Tong - LI, Yuan-Hua - CHEN, Xian-Feng. *Generation of Pure State Photon Triplets in the C-Band. In MICROMACHINES, 2019, vol. 10, no. 11, 775., Registrované v: WOS*
116. [1.1] SUN, Yuhua - YAN, Lili - CHANG, Yan - ZHANG, Shibin - SHAO, Tingting - ZHANG, Yan. *Two semi-quantum secure direct communication protocols based on Bell states. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2019, vol. 34, no. 1, 1950004., Registrované v: WOS*
117. [1.1] TAKEDA, Shuntaro - TAKASE, Kan - FURUSAWA, Akira. *On-demand photonic entanglement synthesizer. In SCIENCE ADVANCES. ISSN 2375-2548, 2019, vol. 5, no. 5, eaaw4530., Registrované v: WOS*
118. [1.1] TAO, Zheng - CHANG, Yan - ZHANG, Shibin - DAI, Jinqiao - LI, Xueyang. *Two Semi-Quantum Direct Communication Protocols with Mutual Authentication Based on Bell States. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2019, vol. 58, no. 9, pp. 2986-2993., Registrované v: WOS*
119. [1.1] TEH, R. Y. - REID, M. D. *Criteria to detect genuine multipartite entanglement using spin measurements. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 2, 022126., Registrované v: WOS*
120. [1.1] TSAI, Chia-Wei - YANG, Chun-Wei - LEE, Narn-Yih. *Semi-quantum secret sharing protocol using W-state. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2019, vol. 34, no. 27, 1950213., Registrované v: WOS*
121. [1.1] UNNIKRISHNAN, Anupama - MARKHAM, Damian. *Authenticated teleportation with one-sided trust. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 3, 032314., Registrované v: WOS*
122. [1.1] UPPU, Ravitej - WOLTERINK, Tom A. W. - GOORDEN, Sebastianus A. - CHEN, Bin - SKORIC, Boris - MOSK, Allard P. - PINKSE, Pepijn W. H. *Asymmetric cryptography with physical unclonable keys. In QUANTUM SCIENCE AND TECHNOLOGY. ISSN 2058-9565, 2019, vol. 4, no. 4, 045011., Registrované v: WOS*

123. [1.1] VALDES-HERNANDEZ, Andrea - BRAUER, Vctor H. T. - SANTIAGO ZAMORA, F. *Guaranteed emergence of genuine entanglement in 3-qubit evolving systems*. In *EUROPEAN PHYSICAL JOURNAL D*. ISSN 1434-6060, 2019, vol. 73, no. 11, 245., Registrované v: WOS
124. [1.1] VASILIU, Yevhen - LIMAR, Igor - GANCARCZYK, Tomasz - KARPINSKI, Mikolaj. *New Quantum Secret Sharing Protocol Using Entangled Qutrits*. In *PROCEEDINGS OF THE 2019 10TH IEEE INTERNATIONAL CONFERENCE ON INTELLIGENT DATA ACQUISITION AND ADVANCED COMPUTING SYSTEMS TECHNOLOGY AND APPLICATIONS (IDAACS)*, Vol. 1, 2019, pp. 324-329., Registrované v: WOS
125. [1.1] VIVOLI, Valentina Caprara - RIBEIRO, Jeremy - WEHNER, Stephanie. *High-fidelity Greenberger-Horne-Zeilinger state generation within nearby nodes*. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2019, vol. 100, no. 3, 032310., Registrované v: WOS
126. [1.1] VRANA, Peter - CHRISTANDL, Matthias. *Distillation of Greenberger-Horne-Zeilinger States by Combinatorial Methods*. In *IEEE TRANSACTIONS ON INFORMATION THEORY*. ISSN 0018-9448, 2019, vol. 65, no. 9, pp. 5945-5958., Registrované v: WOS
127. [1.1] WANG, Guan-Yu - REN, Bao-Cang - DENG, Fu-Guo - LONG, Gui-Lu. *Complete analysis of hyperentangled Bell states assisted with auxiliary hyperentanglement*. In *OPTICS EXPRESS*. ISSN 1094-4087, 2019, vol. 27, no. 6, pp. 8994-9003., Registrované v: WOS
128. [1.1] WANG, Hua - ZHAO, Yongli - YU, Xiaosong - MA, Zhangchao - WANG, Jianquan - NAG, Avishek - YI, Longteng - ZHANG, Jie. *Protection Schemes for Key Service in Optical Networks Secured by Quantum Key Distribution (QKD)*. In *JOURNAL OF OPTICAL COMMUNICATIONS AND NETWORKING*. ISSN 1943-0620, 2019, vol. 11, no. 3, pp. 67-78., Registrované v: WOS
129. [1.1] WANG, Ming-Ming - LIU, Jun-Li - GONG, Lin-Ming. *Semiquantum secure direct communication with authentication based on single-photons*. In *INTERNATIONAL JOURNAL OF QUANTUM INFORMATION*. ISSN 0219-7499, 2019, vol. 17, no. 3, 1950024., Registrované v: WOS
130. [1.1] WANG, Qing - SHI, Run-hua - CHEN, Zhang-kai - WANG, Sheng-lan. *A Quantum Sealed Auction Protocol Based on Secret Sharing*. In *INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS*. ISSN 0020-7748, 2019, vol. 58, no. 4, pp. 1128-1137., Registrované v: WOS
131. [1.1] WANG, Yu - TIAN, Caixing - SU, Qi - WANG, Meihong - SU, Xiaolong. *Measurement-device-independent quantum secret sharing and quantum conference based on Gaussian cluster state*. In *SCIENCE CHINA-INFORMATION SCIENCES*. ISSN 1674-733X, 2019, vol. 62, no. 7, 072501., Registrované v: WOS
132. [1.1] WILLIAMS, Brian P. - LUKENS, Joseph M. - PETERS, Nicholas A. - QI, Bing - GRICEL, Warren P. *Quantum secret sharing with polarization-entangled photon pairs*. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2019, vol. 99, no. 6, 062311., Registrované v: WOS
133. [1.1] WON, Kitak - HEO, Jino - YOON, Chun Seok - CHOI, Ji-Woong - YANG, Hyung-Jin. *Quantum Signature Scheme for Participant Attack*. In *JOURNAL OF THE KOREAN PHYSICAL SOCIETY*. ISSN 0374-4884, 2019, vol. 75, no. 4, pp. 271-276., Registrované v: WOS
134. [1.1] WU, Jin-Lei - SU, Shi-Lei. *Auxiliary-qubit-driving-induced entanglement and logic gate*. In *EPL*. ISSN 0295-5075, 2019, vol. 126, no. 3, 30001., Registrované v: WOS

135. [1.1] XI, Ya - ZHANG, Tinggui - ZHENG, Zhu-Jun - LI-JOST, Xianqing - FEI, Shao-Ming. *Converting quantum coherence to genuine multipartite entanglement and nonlocality*. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2019, vol. 100, no. 2, 022310., Registrované v: WOS
136. [1.1] XIANG, Yi - LIU, Jun - BAI, Ming-qiang - YANG, Xue - MO, Zhi-wen. *Limited Resource Semi-Quantum Secret Sharing Based on Multi-Level Systems*. In *INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS*. ISSN 0020-7748, 2019, vol. 58, no. 9, pp. 2883-2892., Registrované v: WOS
137. [1.1] XIANG, Yu - SU, Xiaolong - MISTA, Ladislav - ADESSO, Gerardo - HE, Qiongyi. *Multipartite Einstein-Podolsky-Rosen steering sharing with separable states*. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2019, vol. 99, no. 1, 010104., Registrované v: WOS
138. [1.1] XIAO, Hao - HUANG, Wen-Hua - ZHOU, Mi. *An efficient Quantum Private Query Protocol Based on Oracle and Grover Iteration*. In *INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS*. ISSN 0020-7748, 2019, vol. 58, no. 9, pp. 3025-3035., Registrované v: WOS
139. [1.1] XIE, Chuanmei - LIU, Yimin - CHEN, Jianlan - ZHANG, Zhanjun. *Quantum correlation swapping in parallel and antiparallel two-qubit mixed states*. In *QUANTUM INFORMATION PROCESSING*. ISSN 1570-0755, 2019, vol. 18, no. 4, 106., Registrované v: WOS
140. [1.1] XU, Ling - ZHAO, Zhi-wen. *High-capacity quantum private comparison protocol with two-photon hyperentangled Bell states in multiple-degree of freedom*. In *EUROPEAN PHYSICAL JOURNAL D*. ISSN 1434-6060, 2019, vol. 73, no. 3, 58., Registrované v: WOS
141. [1.1] XU, Wenling - WANG, Tiejun - CAO, Cong - WANG, Chuan. *High dimensional quantum logic gates and quantum information processing*. In *CHINESE SCIENCE BULLETIN-CHINESE*. ISSN 0023-074X, 2019, vol. 64, no. 16, pp. 1691-1701., Registrované v: WOS
142. [1.1] XUE, Man-Mang - ZHANG, Jian-Zhong - XIE, Shu-Cui. *An Efficient Quantum Sealed Bidding Auction Scheme Based on the Correlation of Genuine Five-Qubit Entangled State*. In *INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS*. ISSN 0020-7748, 2019, vol. 58, no. 11, pp. 3863-3870., Registrované v: WOS
143. [1.1] YADAV, Preeti - MATEUS, Paulo - PAUNKOVIC, Nikola - SOUTO, Andre. *Quantum Contract Signing with Entangled Pairs*. In *ENTROPY*, 2019, vol. 21, no. 9, 821., Registrované v: WOS
144. [1.1] YAMASAKI, Hayata - MURAO, Mio. *Distributed Encoding and Decoding of Quantum Information over Networks*. In *ADVANCED QUANTUM TECHNOLOGIES*, 2019, vol. 2, no. 1-2., Registrované v: WOS
145. [1.1] YANG, Yu-Guang - GAO, Shang - LI, Dan - ZHOU, Yi-Hua - SHI, Wei-Min. *Three-party quantum secret sharing against collective noise*. In *QUANTUM INFORMATION PROCESSING*. ISSN 1570-0755, 2019, vol. 18, no. 7, 215., Registrované v: WOS
146. [1.1] YANG, Yu-Guang - GAO, Shang - LI, Dan - ZHOU, Yi-Hua - SHI, Wei-Min. *Two-party quantum key agreement over a collective noisy channel*. In *QUANTUM INFORMATION PROCESSING*. ISSN 1570-0755, 2019, vol. 18, no. 3, 74., Registrované v: WOS
147. [1.1] YANG, Yu-Guang - GAO, Shang - ZHOU, Yi-Hua - SHI, Wei-Min. *New Secure Quantum Dialogue Protocols over Collective Noisy Channels*. In *INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS*. ISSN 0020-7748, 2019, vol. 58, no. 9, pp. 2810-2822., Registrované v: WOS
148. [1.1] YANG, Yu-Guang - LI, Bo-Ran - KANG, Shuang-Yong - CHEN, Xiu-Bo

- ZHOU, Yi-Hua - SHI, Wei-Min. New quantum key agreement protocols based on cluster states. In *QUANTUM INFORMATION PROCESSING*. ISSN 1570-0755, 2019, vol. 18, no. 3, 77., Registrované v: WOS
149. [1.1] YANG, Yu-Guang - LI, Bo-Ran - LI, Dan - ZHOU, Yi-Hua - SHI, Wei-Min. New quantum key agreement protocols based on Bell states. In *QUANTUM INFORMATION PROCESSING*. ISSN 1570-0755, 2019, vol. 18, no. 10, 322., Registrované v: WOS
150. [1.1] YE CHONG-QIANG - YE TIAN-YU. Circular Multi-Party Quantum Private Comparison with n -Level Single-Particle States. In *INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS*. ISSN 0020-7748, 2019, vol. 58, no. 4, pp. 1282-1294., Registrované v: WOS
151. [1.1] ZAWADZKI, Piotr. Quantum identity authentication without entanglement. In *QUANTUM INFORMATION PROCESSING*. ISSN 1570-0755, 2019, vol. 18, no. 1, 7., Registrované v: WOS
152. [1.1] ZHA, Xin-wei - JIANG, Ruo-Xu - WANG, Min-Rui. Analyzing Four-Qubit Cluster State Entanglement Symmetry Property via Control Power. In *INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS*. ISSN 0020-7748, 2019, vol. 58, no. 5, pp. 1499-1508., Registrované v: WOS
153. [1.1] ZHANG, C. - SITU, H. - HUANG, Q. - SUN, Z. - HUANG, Z. Multi-party quantum summation with a single d -level quantum system. In *INTERNATIONAL JOURNAL OF QUANTUM INFORMATION*. ISSN 0219-7499, 2019, vol. 17, no. 3, 1950027., Registrované v: WOS
154. [1.1] ZHANG, Huanguo - JI, Zhaoxu - WANG, Houzhen - WU, Wanqing. Survey on Quantum Information Security. In *CHINA COMMUNICATIONS*. ISSN 1673-5447, 2019, vol. 16, no. 10, pp. 1-36., Registrované v: WOS
155. [1.1] ZHANG, Ke-jia - ZHANG, Xue - JIA, Heng-yue - ZHANG, Long. A new n -party quantum secret sharing model based on multiparty entangled states. In *QUANTUM INFORMATION PROCESSING*. ISSN 1570-0755, 2019, vol. 18, no. 3, 81., Registrované v: WOS
156. [1.1] ZHANG, Long - LI, Shuang - ZHANG, Ke-Jia - SUN, Hong-Wei. Cryptanalysis and Improvement of Some Quantum Proxy Blind Signature Schemes. In *INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS*. ISSN 0020-7748, 2019, vol. 58, no. 4, pp. 1047-1059., Registrované v: WOS
157. [1.1] ZHANG, Shibin - CHANG, Yan - YAN, Lili - SHENG, Zhiwei - YANG, Fan - HAN, Guihua - HUANG, Yuanyuan - XIA, Jinyue. Quantum Communication Networks and Trust Management: A Survey. In *CMC-COMPUTERS MATERIALS & CONTINUA*. ISSN 1546-2218, 2019, vol. 61, no. 3, pp. 1145-1174., Registrované v: WOS
158. [1.1] ZHAO, Tieyu - YUAN, Lin - CHI, Yingying. Hierarchical secret image sharing using phase modulation based on the Fresnel transform. In *JOURNAL OF MODERN OPTICS*. ISSN 0950-0340, 2019, vol. 66, no. 14, pp. 1491-1497., Registrované v: WOS
159. [1.1] ZHAO, Xing-Qiang - ZHOU, Nan-Run - CHEN, Hua-Ying - GONG, Li-Hua. Multiparty Quantum Key Agreement Protocol with Entanglement Swapping. In *INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS*. ISSN 0020-7748, 2019, vol. 58, no. 2, pp. 436-450., Registrované v: WOS
160. [1.1] ZHENG, YanYan - LIANG, LeiXia - ZHANG, Mei. Error-heralded generation and self-assisted complete analysis of two-photon hyperentangled Bell states through single-sided quantum-dot-cavity systems. In *SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY*. ISSN 1674-7348, 2019, vol. 62, no. 7, 970312., Registrované v: WOS
161. [1.1] ZHENG, Yi-Dan - MAO, Zhu - ZHOU, Bin. Entanglement teleportation

via a couple of quantum channels in Ising-Heisenberg spin chain model of a heterotrimetallic Fe-Mn-Cu coordination polymer. In CHINESE PHYSICS B. ISSN 1674-1056, 2019, vol. 28, no. 12., Registrované v: WOS

162. [1.1] ZHOU, Ri-Gui - QIAN, Chen - IAN, Hou. Cyclic and Bidirectional Quantum Teleportation via Pseudo Multi-Qubit States. In IEEE ACCESS. ISSN 2169-3536, 2019, vol. 7, pp. 42445-42449., Registrované v: WOS

163. [1.1] ZHOU, You - GUO, Chenghao - MA, Xiongfeng. Decomposition of a symmetric multipartite observable. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 99, no. 5, 052324., Registrované v: WOS

- ADCA404 HILLERY, M. - REITZNER, Daniel - BUŽEK, Vladimír. Searching via walking: How to find a marked clique of a complete graph using quantum walks. In Physical Review A, 2010, vol. 81, no. 6, 062324. (2009: 2.866 - IF, Q2 - JCR, 2.469 - SJR, Q1 - SJR, karentované - CCC). (2010 - Current Contents). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.81.062324>

Citácie:

1. [1.1] KOCH, Daniel. Scattering quantum random walks on square grids and randomly generated mazes. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 99, no. 1, 012330., Registrované v: WOS

2. [1.1] XUE, Xi-ling - RUAN, Yue - LIU, Zhi-hao. Discrete-time quantum walk search on Johnson graphs. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2019, vol. 18, no. 2, 50., Registrované v: WOS

- ADCA405 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. (2011: 2.878 - IF, Q1 - JCR, 2.316 - SJR, Q1 - SJR, karentované - CCC). (2012 - Current Contents). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.85.062325>

Citácie:

1. [1.1] KOCH, Daniel. Scattering quantum random walks on square grids and randomly generated mazes. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 99, no. 1, 012330., Registrované v: WOS

2. [1.1] SEVESO, Luigi - BENEDETTI, Claudia - PARIS, Matteo G. A. The walker speaks its graph: global and nearly-local probing of the tunnelling amplitude in continuous-time quantum walks. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2019, vol. 52, no. 10, 105304., Registrované v: WOS

3. [1.1] XUE, Xi-ling - RUAN, Yue - LIU, Zhi-hao. Discrete-time quantum walk search on Johnson graphs. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2019, vol. 18, no. 2, 50., Registrované v: WOS

- ADCA406 HILLERY, M. - ZIMAN, Mário - BUŽEK, Vladimír - BŮŽEK, Václav. Towards quantum-based privacy and voting. In Physics Letters A, 2006, vol. 349, no. 1-4, p. 75-81. (2005: 1.550 - IF, Q2 - JCR, 0.920 - SJR, Q2 - SJR). ISSN 0375-9601. Dostupné na: <https://doi.org/10.1016/j.physleta.2005.09.010>

Citácie:

1. [1.1] JI, ZhaoXu - ZHANG, HuanGuo - WANG, HouZhen - WU, FuSheng - JIA, JianWei - WU, WanQing. Quantum protocols for secure multi-party summation. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2019, vol. 18, no. 6, 168., Registrované v: WOS

2. [1.1] KUZMIN, V. V. - VASILYEV, D. V. - SANGOUARD, N. - DUER, W. - MUSCHIK, C. A. Scalable repeater architectures for multi-party states. In NPJ QUANTUM INFORMATION, 2019, vol. 5, no. 1, 115., Registrované v: WOS

3. [1.1] LIU, Wen - WANG, Yong-Bin - SUI, Ai-Na - MA, Min-Yao. Quantum Protocol for Millionaire Problem. In INTERNATIONAL JOURNAL OF

THEORETICAL PHYSICS. ISSN 0020-7748, 2019, vol. 58, no. 7, pp. 2106-2114., Registrované v: WOS

4. [1.1] LV, Shu-Xin - JIAO, Xian-Fang - ZHOU, Ping. *Multiparty Quantum Computation for Summation and Multiplication with Mutually Unbiased Bases. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2019, vol. 58, no. 9, pp. 2872-2882., Registrované v: WOS*

5. [1.1] SUN, Xin - WANG, Quanlong - KULICKI, Piotr - SOPEK, Mirek. *A Simple Voting Protocol on Quantum Blockchain. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2019, vol. 58, no. 1, pp. 275-281., Registrované v: WOS*

6. [1.1] WALLNOEFER, J. - PIRKER, A. - ZWERGER, M. - DUER, W. *Multipartite state generation in quantum networks with optimal scaling. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2019, vol. 9, 314., Registrované v: WOS*

7. [1.1] ZHANG, C. - SITU, H. - HUANG, Q. - SUN, Z. - HUANG, Z. *Multi-party quantum summation with a single d-level quantum system. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION. ISSN 0219-7499, 2019, vol. 17, no. 3, 1950027., Registrované v: WOS*

8. [1.1] ZHANG, Cai - RAZAVI, Mohsen - SUN, Zhiwei - HUANG, Qiong - SITU, Haozhen. *Multi-Party Quantum Summation Based on Quantum Teleportation. In ENTROPY, 2019, vol. 21, no. 7, 719., Registrované v: WOS*

9. [1.1] ZHANG, Huanguo - JI, Zhaoxu - WANG, Houzhen - WU, Wanqing. *Survey on Quantum Information Security. In CHINA COMMUNICATIONS. ISSN 1673-5447, 2019, vol. 16, no. 10, pp. 1-36., Registrované v: WOS*

ADCA407 HILTON, J.** - UUSITALO, J. - SARÉN, J. - PAGE, R. D. - JOSS, D. T. - ALAQUEEL, M. A. M. - BADRAN, H. - BRISCOE, A. D. - CALVERLEY, T. - COX, D. M. - GRAHN, T. - GREDLEY, A. - GREENLEES, P. T. - HARDING, R. - HERZÁŇ, Andrej - HIGGINS, E. - JULIN, R. - JUUTINEN, S. - KONKI, J. - LABICHE, M. - LEINO, M. - LEWIS, M. C. - OJALA, J. - PAKARINEN, J. - PAPADAKIS, P. - PARTANEN, J. - RAHKILA, P. - RUOTSALAINEN, P. - SANDZELIUS, M. - SCHOLEY, C. - SORRI, J. - SOTTILI, L. - STOLZE, S. - WEARING, F. *alpha-spectroscopy studies of the new nuclides Pt-165 and Hg-170. In Physical Review C, 2019, vol. 100, no. 1, 014305. (2018: 3.132 - IF, Q2 - JCR, 1.502 - SJR, Q1 - SJR, karentované - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.100.014305>*

Citácie:

1. [1.1] NICA, N. *Nuclear Data Sheets for A=155. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2019, vol. 160, pp. 1-404., Registrované v: WOS*

ADCA408 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.*

Citácie:

1. [1.1] AKRAWY, Dashty T. - AHMED, Ali H. *alpha-decay systematics for superheavy nuclei. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 4, 044618., Registrované v: WOS*

2. [1.1] AKRAWY, Dashty T. - SANTHOSH, K. P. - HASSANABADI, H. *alpha-decay half-lives of some superheavy nuclei within a modified generalized liquid drop model. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 3, 034608., Registrované v: WOS*

3. [1.1] CUI, J. P. - XIAO, Y. - GAO, Y. H. - WANG, Y. Z. *alpha-decay half-lives of neutron-deficient nuclei. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2019, vol. 987, pp. 99-111., Registrované v: WOS*

4. [1.1] DENG, Daming - REN, Zhongzhou - WANG, Nan. Significant improvement of half-life calculation of alpha decays by considering the nuclear medium effect. In *PHYSICS LETTERS B*. ISSN 0370-2693, 2019, vol. 795, pp. 554-560., Registrované v: WOS
5. [1.1] ELMAGHRABY, Elsayed K. - MOHAMED, Gehan Y. - AL-ABYAD, M. Experimental investigation and nuclear model calculations for proton induced reactions on indium around thresholds. In *NUCLEAR PHYSICS A*. ISSN 0375-9474, 2019, vol. 984, pp. 112-132., Registrované v: WOS
6. [1.1] ISMAIL, M. - SEIF, W. M. - TAWFIK, W. M. - HUSSEIN, A. M. Effect of choosing the $Q(\alpha)$ -values and daughter density distributions on the magic numbers predicted by alpha decays. In *ANNALS OF PHYSICS*. ISSN 0003-4916, 2019, vol. 406, pp. 1-13., Registrované v: WOS
7. [1.1] LIU, Hong-Ming - XU, Jun-Yao - DENG, Jun-Gang - HE, Biao - LI, Xiao-Hua. Predictions of alpha decay half-lives for even-even superheavy nuclei with $104 \leq Z \leq 128$ based on two-potential approach within cluster-formation model. In *INTERNATIONAL JOURNAL OF MODERN PHYSICS E*. ISSN 0218-3013, 2019, vol. 28, no. 10, 1950089., Registrované v: WOS
8. [1.1] SHEN, Y. P. - GUO, B. - MA, T. L. - PANG, D. Y. - NI, D. D. - REN, Z. Z. - LI, Y. J. - AN, Z. D. - SU, J. - LIU, J. C. - FAN, Q. W. - HAN, Z. Y. - LI, X. Y. - LI, Z. H. - LIAN, G. - SU, Y. - WANG, Y. B. - YAN, S. Q. - ZENG, S. - LIU, W. P. First experimental constraint of the spectroscopic amplitudes for the alpha-cluster in the B-11 ground state. In *PHYSICS LETTERS B*. ISSN 0370-2693, 2019, vol. 797, UNSP 134820., Registrované v: WOS

ADCA409 HOLLWIESER, R. - FABER, M. - GREENSITE, J. - HELLER, U.M. - OLEJNÍK, Štefan. Center vortices and the Dirac spectrum. In *Physical Review D*, 2008, vol. 78, no. 5, 054508. (2007: 4.696 - IF, Q1 - JCR, 2.593 - SJR, Q1 - SJR, karentované - CCC). (2008 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.78.054508>

Citácie:

1. [1.1] ALTARAWNEH, Derar - HOELLWIESER, Roman. Comment on "Fractional topological charges and the lowest Dirac modes". In *INTERNATIONAL JOURNAL OF MODERN PHYSICS A*. ISSN 0217-751X, 2019, vol. 34, no. 10, 1975001., Registrované v: WOS
2. [1.1] NEJAD, Seyed Mohsen Hosseini. Domain structures and quark potentials in $SU(3)$ gauge theory. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2019, vol. 100, no. 11, 114504., Registrované v: WOS

ADCA410 HOLOTESCU, S. - STOIAN, F.D. - MARINICA, O. - KUBIČÁR, Ľudovít - KOPCANSKY, P. - TIMKO, M. Utilization of the magnetogranulometric analysis to estimate the thermal conductivity of magnetic fluids. In *Journal of Magnetism and Magnetic Materials*, 2011, vol. 323, no. 10, p. 1343-1347. (2010: 1.690 - IF, Q2 - JCR, 0.936 - SJR, Q1 - SJR, karentované - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 0304-8853. Dostupné na: <https://doi.org/10.1016/j.jmmm.2010.11.043>

Citácie:

1. [1.1] YAVARI, Mahdieh - MANSOURPOUR, Zahra - SHARIATY-NIASSAR, Mojtaba. Controlled assembly and alignment of CNTs in ferrofluid: Application in tunable heat transfer. In *JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS*. ISSN 0304-8853, 2019, vol. 479, pp. 170-178., Registrované v: WOS

ADCA411 HORVÁTHOVÁ, Lucia - DUBECKÝ, Matúš - MITÁŠ, L. - ŠTICH, Ivan. Spin multiplicity and symmetry breaking in vanadium-benzene complexes. In *Physical Review Letters*, 2012, vol. 109, no. 5, 053001. (2011: 7.370 - IF, Q1 - JCR, 6.314 -

SJR, Q1 - SJR, karentované - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.109.053001>

Citácie:

1. [1.1] MARKS, Joshua H. - WARD, Timothy B. - BRATHWAITE, Antonio D. - FERGUSON, Sojourna - DUNCAN, Michael A. Cyclotrimerization of Acetylene in Gas Phase $V+(C_2H_2)(n)$ Complexes: Detection of Intermediates and Products with Infrared Spectroscopy. In JOURNAL OF PHYSICAL CHEMISTRY A. ISSN 1089-5639, 2019, vol. 123, no. 31, pp. 6733-6743., Registrované v: WOS

ADCA412 HORVÁTHOVÁ, Lucia - DUBECKÝ, Matúš - MITÁŠ, L. - ŠTICH, Ivan. Quantum Monte Carlo study of π -bonded transition metal organometallics: Neutral and cationic vanadium-benzene and cobalt-benzene half sandwiches. In Journal of Chemical Theory and Computation, 2013, vol. 9, no. 1, p. 390-400. (2012: 5.389 - IF, Q1 - JCR, 2.784 - SJR, Q1 - SJR, karentované - CCC). (2013 - Current Contents). ISSN 1549-9618. Dostupné na: <https://doi.org/10.1021/ct300887t>

Citácie:

1. [1.1] HAN LI-NAN - LIU ZI-ZHONG - LIU HONG-XIA - SHEN CHEN-FEI. Correlation Between the Ring Stretching Vibration Raman Spectroscopic Frequency and Aromaticity for Half Sandwich Complexes. In SPECTROSCOPY AND SPECTRAL ANALYSIS. ISSN 1000-0593, 2019, vol. 39, no. 1, pp. 114-122., Registrované v: WOS

2. [1.1] LUDOVICY, Jil - MOOD, Kaveh Haghighi - LUECHOW, Arne. Full Wave Function Optimization with Quantum Monte Carlo-A Study of the Dissociation Energies of ZnO, FeO, FeH, and CrS. In JOURNAL OF CHEMICAL THEORY AND COMPUTATION. ISSN 1549-9618, 2019, vol. 15, no. 10, pp. 5221-5229., Registrované v: WOS

3. [1.1] MARKS, Joshua H. - WARD, Timothy B. - BRATHWAITE, Antonio D. - FERGUSON, Sojourna - DUNCAN, Michael A. Cyclotrimerization of Acetylene in Gas Phase $V+(C_2H_2)(n)$ Complexes: Detection of Intermediates and Products with Infrared Spectroscopy. In JOURNAL OF PHYSICAL CHEMISTRY A. ISSN 1089-5639, 2019, vol. 123, no. 31, pp. 6733-6743., Registrované v: WOS

ADCA413 HSU, Ch.-H. - STAÑO, Peter - KLINOVAJA, J. - LOSS, D. Antiferromagnetic nuclear spin helix and topological superconductivity in C-13 nanotubes. In Physical Review B, 2015, vol. 92, no. 23, 235435. (2014: 3.736 - IF, Q1 - JCR, 0.123 - SJR, Q4 - SJR, karentované - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.92.235435>

Citácie:

1. [1.1] MILZ, Lars - IZUMIDA, Wataru - GRIFONI, Milena - MARGANSKA, Magdalena. Transverse profile and three-dimensional spin canting of a Majorana state in carbon nanotubes. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 100, no. 15, 155417., Registrované v: WOS

2. [1.1] OKUYAMA, Rin - IZUMIDA, Wataru - ETO, Mikio. Topological classification of the single-wall carbon nanotube. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 99, no. 11, 115409., Registrované v: WOS

3. [1.1] ZARE, Moslem. Strain-induced modulation of exchange interaction in monolayer zigzag nanoribbons of B2S. In MATERIALS RESEARCH EXPRESS, 2019, vol. 6, no. 10, 105097., Registrované v: WOS

4. [1.1] ZARE, Moslem. Tuning the electronic structure and magnetic coupling in armchair B2S nanoribbons using strain and staggered sublattice potential. In COMPUTATIONAL CONDENSED MATTER. ISSN 2352-2143, 2019, vol. 21, e00424., Registrované v: WOS

5. [1.1] ZHANG, Shu-Hui - SHAO, Ding-Fu - YANG, Wen. Velocity-determined anisotropic behaviors of RKKY interaction in 8-Pmmn borophene. In JOURNAL

ADCA414 HSU, Ch.- H. - STANO, Peter - KLINOVAJA, R. - LOSS, D. Nuclear-spin-induced localization of edge states in two-dimensional topological insulators. In *Physical Review B*, 2017, vol. 96, no. 8, art. no. 081405-R. (2016: 3.836 - IF, Q2 - JCR, 2.339 - SJR, Q1 - SJR, karentované - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.96.081405>

Citácie:

1. [1.1] BAGROV, Andrey A. - GUINEA, Francisco - KATSNELSON, Mikhail. Suppressing backscattering of helical edge modes with a spin bath. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2019, vol. 100, no. 19, 195426., Registrované v: WOS
2. [1.1] BALRAM, Ajit C. - FLENSBERG, Karsten - PAASKE, Jens - RUDNER, Mark S. Current-Induced Gap Opening in Interacting Topological Insulator Surfaces. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2019, vol. 123, no. 24, 246803., Registrované v: WOS
3. [1.1] GUSEV, G. M. - KVON, Z. D. - OLSHANETSKY, E. B. - MIKHAILOV, N. N. Mesoscopic transport in two-dimensional topological insulators. In *SOLID STATE COMMUNICATIONS*. ISSN 0038-1098, 2019, vol. 302, 113701., Registrované v: WOS
4. [1.1] KURILOVICH, Pavel D. - KURILOVICH, Vladislav D. - BURMISTROV, Igor S. - GEFEN, Yuval - GOLDSTEIN, Moshe. Unrestricted Electron Bunching at the Helical Edge. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2019, vol. 123, no. 5, 056803., Registrované v: WOS
5. [1.1] KURILOVICH, Vladislav D. - KURILOVICH, Pavel D. - BURMISTROV, Igor S. - GOLDSTEIN, Moshe. Helical edge transport in the presence of a magnetic impurity: The role of local anisotropy. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2019, vol. 99, no. 8, 085407., Registrované v: WOS
6. [1.1] MAGHIRANG, Aniceto B. - HUANG, Zhi-Quan - VILLAOS, Rovi Angelo B. - HSU, Chia-Hsiu - FENG, Liang-Ying - FLORIDO, Emmanuel - LIN, Hsin - BANSIL, Arun - CHUANG, Feng-Chuan. Predicting two-dimensional topological phases in Janus materials by substitutional doping in transition metal dichalcogenide monolayers. In *NPJ 2D MATERIALS AND APPLICATIONS*, 2019, vol. 3, UNSP 35., Registrované v: WOS
7. [1.1] MANI, Arjun - BENJAMIN, Colin. Disordered contacts can localize helical edge electrons. In *JOURNAL OF PHYSICS-CONDENSED MATTER*. ISSN 0953-8984, 2019, vol. 31, no. 34, 34LT01., Registrované v: WOS
8. [1.1] NOVELLI, Pietro - TADDEI, Fabio - GEIM, Andre K. - POLINI, Marco. Failure of Conductance Quantization in Two-Dimensional Topological Insulators due to Nonmagnetic Impurities. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2019, vol. 122, no. 1, 016601., Registrované v: WOS
9. [1.1] SAZGARI, Vahid - SULLIVAN, Gerard - KAYA, Ismet I. Localization of trivial edge states in InAs/GaSb composite quantum wells. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2019, vol. 100, no. 4, 041404., Registrované v: WOS
10. [1.1] VERMA, Sonu - KUNDU, Arijit. Nonlocal control of spin-spin correlations in a finite-geometry helical edge. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2019, vol. 99, no. 12, 121409., Registrované v: WOS
11. [1.1] XU, Yong - CHEN, Yan-Ru - WANG, Jun - LIU, Jun-Feng - MA, Zhongshui. Quantized Field-Effect Tunneling between Topological Edge or Interface States. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2019, vol. 123, no. 20, 206801., Registrované v: WOS

12. [1.1] ZHANG, Shu-Hui - SHAO, Ding-Fu - YANG, Wen. *Velocity-determined anisotropic behaviors of RKKY interaction in 8-Pmmn borophene*. In *JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS*. ISSN 0304-8853, 2019, vol. 491, UNSP 165631., Registrované v: WOS

HSU, Chen-Hsuan - STAŇO, Peter - KLINOVAJA, Jelena - LOSS, Daniel. *Majorana Kramers pairs in higher-order topological insulators*. In *Physical Review Letters*, 2018, vol. 121, no. 19, 196801. (2017: 8.839 - IF, Q1 - JCR, 3.622 - SJR, Q1 - SJR, karentované - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.121.196801>

Citácie:

1. [1.1] CALUGARU, Dumitru - JURICIC, Vladimir - ROY, Bitan. *Higher-order topological phases: A general principle of construction*. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2019, vol. 99, no. 4, 041301., Registrované v: WOS
2. [1.1] FACIO, Jorge - DAS, Sanjib Kumar - ZHANG, Yang - KOEPERNIK, Klaus - VAN DEN BRINK, Jeroen - FULGA, Ion Cosma. *Dual topology in jacutingaite Pt₂HgSe₃*. In *PHYSICAL REVIEW MATERIALS*. ISSN 2475-9953, 2019, vol. 3, no. 7, 074202., Registrované v: WOS
3. [1.1] FRANCA, S. - EFREMOV, D. - FULGA, I. C. *Phase-tunable second-order topological superconductor*. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2019, vol. 100, no. 7, 075415., Registrované v: WOS
4. [1.1] GHORASHI, Sayed Ali Akbar - HU, Xiang - HUGHES, Taylor L. - ROSSI, Enrico. *Second-order Dirac superconductors and magnetic field induced Majorana hinge modes*. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2019, vol. 100, no. 2, 020509., Registrované v: WOS
5. [1.1] HAIM, Arbel - OREG, Yuval. *Time-reversal-invariant topological superconductivity in one and two dimensions*. In *PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS*. ISSN 0370-1573, 2019, vol. 825, pp. 1-48., Registrované v: WOS
6. [1.1] HAIM, Arbel. *Spontaneous Josephson pi junctions with topological superconductors*. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2019, vol. 100, no. 6, 064505., Registrované v: WOS
7. [1.1] JACK, Berthold - XIE, Yonglong - LI, Jian - JEON, Sangjun - BERNEVIG, B. Andrei - YAZDANI, Ali. *Observation of a Majorana zero mode in a topologically protected edge channel*. In *SCIENCE*. ISSN 0036-8075, 2019, vol. 364, no. 6447, pp. 1255-+, Registrované v: WOS
8. [1.1] KOOI, Sander H. - VAN MIERT, Guido - ORTIX, Carmine. *Classification of crystalline insulators without symmetry indicators: Atomic and fragile topological phases in twofold rotation symmetric systems*. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2019, vol. 100, no. 11, 115160., Registrované v: WOS
9. [1.1] LIU, Bing - ZHAO, Gan - LIU, Zhao - WANG, Z. F. *Two-Dimensional Quadrupole Topological Insulator in gamma-Graphyne*. In *NANO LETTERS*. ISSN 1530-6984, 2019, vol. 19, no. 9, pp. 6492-6497., Registrované v: WOS
10. [1.1] LUO, Xi-Wang - ZHANG, Chuanwei. *Higher-Order Topological Corner States Induced by Gain and Loss*. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2019, vol. 123, no. 7, 073601., Registrované v: WOS
11. [1.1] OKUGAWA, Ryo - HAYASHI, Shin - NAKANISHI, Takeshi. *Second-order topological phases protected by chiral symmetry*. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2019, vol. 100, no. 23, 235302., Registrované v: WOS
12. [1.1] PAN, Xiao-Hong - YANG, Kai-Jie - CHEN, Li - XU, Gang - LIU, Chao-Xing - LIU, Xin. *Lattice-Symmetry-Assisted Second-Order Topological Superconductors and Majorana Patterns*. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2019, vol. 123, no. 15, 156801., Registrované v: WOS

13. [1.1] QUEIROZ, Raquel - STERN, Ady. *Splitting the Hinge Mode of Higher-Order Topological Insulators*. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2019, vol. 123, no. 3, 036802., Registrované v: WOS
14. [1.1] SESHADRI, Ranjani - DUTTA, Anirban - SEN, Diptiman. *Generating a second-order topological insulator with multiple corner states by periodic driving*. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2019, vol. 100, no. 11, 115403., Registrované v: WOS
15. [1.1] WU, Zhigang - YAN, Zhongbo - HUANG, Wen. *Higher-order topological superconductivity: Possible realization in Fermi gases and Sr₂RuO₄*. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2019, vol. 99, no. 2, 020508., Registrované v: WOS
16. [1.1] YAN ZHONG-BO. *Higher-order topological insulators and superconductors*. In *ACTA PHYSICA SINICA*. ISSN 1000-3290, 2019, vol. 68, no. 22, 226101., Registrované v: WOS
17. [1.1] YAN, Zhongbo. *Higher-Order Topological Odd-Parity Superconductors*. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2019, vol. 123, no. 17, 177001., Registrované v: WOS
18. [1.1] YAN, Zhongbo. *Majorana corner and hinge modes in second-order topological insulator/superconductor heterostructures*. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2019, vol. 100, no. 20, 205406., Registrované v: WOS
19. [1.1] YOSHIDA, Akira - OTAKI, Yuria - OTAKI, Rimako - FUKUI, Takahiro. *Edge states, corner states, and flat bands in a two-dimensional PT-symmetric system*. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2019, vol. 100, no. 12, 125125., Registrované v: WOS
20. [1.1] ZENG, Chuanchang - STANESCU, T. D. - ZHANG, Chuanwei - SCAROLA, V. W. - TEWARI, Sumanta. *Majorana Corner Modes with Solitons in an Attractive Hubbard-Hofstadter Model of Cold Atom Optical Lattices*. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2019, vol. 123, no. 6, 060402., Registrované v: WOS
21. [1.1] ZHANG, Rui-Xing - COLE, William S. - WU, Xianxin - DAS SARMA, S. *Higher-Order Topology and Nodal Topological Superconductivity in Fe(Se,Te) Heterostructures*. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2019, vol. 123, no. 16, 167001., Registrované v: WOS

ADCA416 HSU, Chen-Hsuan - STAÑO, Peter - KLINOVAJA, Jelena - LOSS, Daniel. *Effects of nuclear spins on the transport properties of the edge of two-dimensional topological insulators*. In *Physical Review B*, 2018, vol. 97, no. 12, art. no. 125432. (2017: 3.813 - IF, Q2 - JCR, 1.176 - SJR, Q1 - SJR, karentované - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.97.125432>

Citácie:

1. [1.1] BAGROV, Andrey A. - GUINEA, Francisco - KATSNELSON, Mikhail. *Suppressing backscattering of helical edge modes with a spin bath*. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2019, vol. 100, no. 19, 195426., Registrované v: WOS
2. [1.1] BALRAM, Ajit C. - FLENSBERG, Karsten - PAASKE, Jens - RUDNER, Mark S. *Current-Induced Gap Opening in Interacting Topological Insulator Surfaces*. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2019, vol. 123, no. 24, 246803., Registrované v: WOS
3. [1.1] KURILOVICH, Pavel D. - KURILOVICH, Vladislav D. - BURMISTROV, Igor S. - GEFEN, Yuval - GOLDSTEIN, Moshe. *Unrestricted Electron Bunching at the Helical Edge*. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2019, vol. 123, no. 5, 056803., Registrované v: WOS

4. [1.1] KURILOVICH, Vladislav D. - KURILOVICH, Pavel D. - BURMISTROV, Igor S. - GOLDSTEIN, Moshe. *Helical edge transport in the presence of a magnetic impurity: The role of local anisotropy*. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2019, vol. 99, no. 8, 085407., Registrované v: WOS
5. [1.1] NOVELLI, Pietro - TADDEI, Fabio - GEIM, Andre K. - POLINI, Marco. *Failure of Conductance Quantization in Two-Dimensional Topological Insulators due to Nonmagnetic Impurities*. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2019, vol. 122, no. 1, 016601., Registrované v: WOS
6. [1.1] SAZGARI, Vahid - SULLIVAN, Gerard - KAYA, Ismet I. *Localization of trivial edge states in InAs/GaSb composite quantum wells*. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2019, vol. 100, no. 4, 041404., Registrované v: WOS
7. [1.1] VERMA, Sonu - KUNDU, Arijit. *Nonlocal control of spin-spin correlations in a finite-geometry helical edge*. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2019, vol. 99, no. 12, 121409., Registrované v: WOS
8. [1.1] XU, Yong - CHEN, Yan-Ru - WANG, Jun - LIU, Jun-Feng - MA, Zhongshui. *Quantized Field-Effect Tunneling between Topological Edge or Interface States*. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2019, vol. 123, no. 20, 206801., Registrované v: WOS
9. [1.1] ZHANG, Shu-Hui - SHAO, Ding-Fu - YANG, Wen. *Velocity-determined anisotropic behaviors of RKKY interaction in 8-Pmmn borophene*. In *JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS*. ISSN 0304-8853, 2019, vol. 491, UNSP 165631., Registrované v: WOS

ADCA417 HSU, Pin-Jui** - RÓZSA, Levente** - FINCO, Aurore - SCHMIDT, Lorenz - PALOTÁS, Krisztián - VEDMEDENK, Elena - UDVARDI, László - SZUNYOGH, László - KUBETZKA, André - VON BERGMANN, Kirsten - WIESENDANGER, Roland. *Inducing skyrmions in ultrathin Fe films by hydrogen exposure*. In *Nature Communications*, 2018, vol. 9, 1571. (2017: 12.353 - IF, Q1 - JCR, 6.582 - SJR, Q1 - SJR, karentované - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 2041-1723. Dostupné na: <https://doi.org/10.1038/s41467-018-04015-z>

Citácie:

1. [1.1] CASTELL-QUERALT, Josep - GONZALEZ-GOMEZ, Leonardo - DEL-VALLE, Nuria - SANCHEZ, Alvaro - NAVAU, Carles. *Accelerating, guiding, and compressing skyrmions by defect rails*. In *NANOSCALE*. ISSN 2040-3364, 2019, vol. 11, no. 26, pp. 12589-12594., Registrované v: WOS
2. [1.1] OROSZLANY, Laszlo - FERRER, Jaime - DEAK, Andras - UDVARDI, Laszlo - SZUNYOGH, Laszlo. *Exchange interactions from a nonorthogonal basis set: From bulk ferromagnets to the magnetism in low-dimensional graphene systems*. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2019, vol. 99, no. 22, 224412., Registrované v: WOS
3. [1.1] ROZHANSKY, I. V. - DENISOV, K. S. - LIFSHITS, M. B. - AVERKIEV, N. S. - LAHDERANTA, E. *Topological and Chiral Spin Hall Effects*. In *PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS*. ISSN 0370-1972, 2019, vol. 256, no. 6, 1900033., Registrované v: WOS

ADCA418 HUANG, Fei* - LI, Mengjie* - ŠIFFALOVIČ, Peter - CAO, Guozhong - TIAN, Jianjun**. *From scalable solution fabrication of perovskite films towards commercialization of solar cells*. In *Energy and Environmental Science*, 2019, vol. 12, no. 2, p. 518-549. (2018: 33.250 - IF, Q1 - JCR, 13.103 - SJR, Q1 - SJR, karentované - CCC). (2019 - Current Contents). ISSN 1754-5692. Dostupné na: <https://doi.org/10.1039/c8ee03025a>

Citácie:

1. [1.1] AGRETI, Antonio - PESCELELLI, Sara - PALMA, Alessandro Lorenzo -

- MARTIN-GARCIA, Beatriz - NAJAFI, Leyla - BELLANI, Sebastiano - MOREELS, Iwan - PRATO, Mirko - BONACCORSO, Francesco - DI CARLO, Aldo. Two-Dimensional Material Interface Engineering for Efficient Perovskite Large-Area Modules. In *ACS ENERGY LETTERS*. ISSN 2380-8195, 2019, vol. 4, no. 8, pp. 1862-1871., Registrované v: WOS
2. [1.1] ANNOHENE, Gilbert - TEPPER, Gary C. Low temperature formation of $\text{CH}_3\text{NH}_3\text{PbI}_3$ perovskite films in supercritical carbon dioxide. In *JOURNAL OF SUPERCRITICAL FLUIDS*. ISSN 0896-8446, 2019, vol. 154, UNSP 104604., Registrované v: WOS
3. [1.1] CHOU, Yi-Shang - CHOU, Li-Hui - GUO, An-Zhe - WANG, Xiao-Feng - OSAKA, Itaru - WU, Chun-Guey - LIU, Cheng-Liang. Ultrasonic Spray-Coated Mixed Cation Perovskite Films and Solar Cells. In *ACS SUSTAINABLE CHEMISTRY & ENGINEERING*. ISSN 2168-0485, 2019, vol. 7, no. 16, pp. 14217-14224., Registrované v: WOS
4. [1.1] DOKKHAN, Chotiros - MOKHTAR, Muhamad Z. - KE, Chun-Ren - WALTON, Alex S. - CHEN, Qian - HODSON, Nigel W. - LIAN, Qing - SAUNDERS, Brian R. Modulating Crystallization in Semitransparent Perovskite Films Using Submicrometer Spongelike Polymer Colloid Particles to Improve Solar Cell Performance. In *ACS APPLIED ENERGY MATERIALS*. ISSN 2574-0962, 2019, vol. 2, no. 9, pp. 6624-6633., Registrované v: WOS
5. [1.1] HAN, Gill Sang - KIM, Jio - BAE, Seunghwan - HAN, Sehoon - KIM, Yong Joo - GONG, Oh Yeong - LEE, Phillip - KO, Min Jae - JUNG, Hyun Suk. Spin-Coating Process for 10 cm x 10 cm Perovskite Solar Modules Enabled by Self-Assembly of SnO_2 Nanocolloids. In *ACS ENERGY LETTERS*. ISSN 2380-8195, 2019, vol. 4, no. 8, pp. 1845-1851., Registrované v: WOS
6. [1.1] JIA, Chunmei - ZHAO, Xingyu - LAI, Yu-Hong - ZHAO, Jinjin - WANG, Pei-Chun - LIOU, De-Shiang - WANG, Peng - LIU, Zhenghao - ZHANG, Wenhua - CHEN, Wei - CHU, Ying-Hao - LI, Jiangyu. Highly flexible, robust, stable and high efficiency perovskite solar cells enabled by van der Waals epitaxy on mica substrate. In *NANO ENERGY*. ISSN 2211-2855, 2019, vol. 60, pp. 476-484., Registrované v: WOS
7. [1.1] LI, Bo - BINKS, David - CAO, Guozhong - TIAN, Jianjun. Engineering Halide Perovskite Crystals through Precursor Chemistry. In *SMALL*. ISSN 1613-6810, 2019, vol. 15, no. 47, 1903613., Registrované v: WOS
8. [1.1] LI, Hu - FAN, Yubo - LI, Zhou. Fabrication and performance test of biodegradable supercapacitor. In *MRS ADVANCES*. ISSN 2059-8521, 2019, vol. 4, no. 37, pp. 2063-2070., Registrované v: WOS
9. [1.1] LI, Jing - FENG, Liuliu - CAI, Fangfang - ZHANG, Zhenzhen - WEI, Qingya - PENG, Hongjian - ZOU, Yingping. Synthesize non-fullerene acceptors of five fused-ring by modifying side chain. In *SOLAR ENERGY*. ISSN 0038-092X, 2019, vol. 191, pp. 566-573., Registrované v: WOS
10. [1.1] LIU, Qiuju - ZHAO, Yanan - MA, Yinxing - SUN, Xuan - GE, Wenqi - FANG, Zhuliang - BAI, Hua - TIAN, Qingyong - FAN, Bin - ZHANG, Tongyi. A mixed solvent for rapid fabrication of large-area methylammonium lead iodide layers by one-step coating at room temperature. In *JOURNAL OF MATERIALS CHEMISTRY A*. ISSN 2050-7488, 2019, vol. 7, no. 31, pp. 18275-18284., Registrované v: WOS
11. [1.1] LU, Min - ZHANG, Yu - WANG, Shixun - GUO, Jie - YU, William W. - ROGACH, Andrey L. Metal Halide Perovskite Light-Emitting Devices: Promising Technology for Next-Generation Displays. In *ADVANCED FUNCTIONAL MATERIALS*. ISSN 1616-301X, 2019, vol. 29, no. 30, 1902008., Registrované v: WOS

12. [1.1] MCDONALD, Calum - NI, Chengsheng - MAGUIRE, Paul - CONNOR, Paul - IRVINE, John T. S. - MARIOTTI, Davide - SVRCEK, Vladimir. *Nanostructured Perovskite Solar Cells*. In *NANOMATERIALS*, 2019, vol. 9, no. 10, 1481., Registrované v: WOS
13. [1.1] PARVAZIAN, Ershad - ABDOLLAH-ZADEH, Amir - DEHGHANI, Mahdi - TAGHAVINIA, Nima. *Photovoltaic Performance Improvement in Vacuum-Assisted Meniscus Printed Triple-Cation Mixed-Halide Perovskite Films by Surfactant Engineering*. In *ACS APPLIED ENERGY MATERIALS*. ISSN 2574-0962, 2019, vol. 2, no. 9, pp. 6209-6217., Registrované v: WOS
14. [1.1] QIU, Longbin - HE, Sisi - ONO, Luis K. - LIU, Shengzhong - QI, Yabing. *Scalable Fabrication of Metal Halide Perovskite Solar Cells and Modules*. In *ACS ENERGY LETTERS*. ISSN 2380-8195, 2019, vol. 4, no. 9, pp. 2147-2167., Registrované v: WOS
15. [1.1] RAKOCEVIC, Lucija - MUNDT, Laura E. - GEHLHAAR, Robert - MERCKX, Tamara - AERNOUTS, Torn - SCHUBERT, Martin C. - GLUNZ, Stefan W. - POORTMANS, Jef. *Loss Analysis in Perovskite Photovoltaic Modules*. In *SOLAR RRL*. ISSN 2367-198X, 2019, 1900338., Registrované v: WOS
16. [1.1] SHEKARGOFTAR, Masoud - JURMANOVA, Jana - HOMOLA, Tomas. *A Study on the Effect of Ambient Air Plasma Treatment on the Properties of Methylammonium Lead Halide Perovskite Films*. In *METALS*, 2019, vol. 9, no. 9, 991., Registrované v: WOS
17. [1.1] TAN, Boer - RAGA, Sonia R. - CHESMAN, Anthony S. R. - FUERER, Sebastian O. - ZHENG, Fei - MCMEEKIN, David P. - JIANG, Liangcong - MAO, Wenxin - LIN, Xiongfeng - WEN, Xiaoming - LU, Jianfeng - CHENG, Yi-Bing - BACH, Udo. *LiTFSI-Free Spiro-OMeTAD-Based Perovskite Solar Cells with Power Conversion Efficiencies Exceeding 19%*. In *ADVANCED ENERGY MATERIALS*. ISSN 1614-6832, 2019, vol. 9, no. 32, pp., Registrované v: WOS
18. [1.1] THANH-TUNG DUONG - TAT-DAT TRAN - QUOC-TUAN LE. *CNC assisted spray deposition of large grain size CH₃NH₃PbI₃ film for perovskite solar cells*. In *JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS*. ISSN 0957-4522, 2019, vol. 30, no. 12, pp. 11027-11033., Registrované v: WOS
19. [1.1] TIAN, Shi - LI, Jing - LI, Saisai - BU, Tongle - MO, Yanping - WANG, Song - LI, Wangnan - HUANG, Fuzhi. *A facile green solvent engineering for up-scaling perovskite solar cell modules*. In *SOLAR ENERGY*. ISSN 0038-092X, 2019, vol. 183, pp. 386-391., Registrované v: WOS
20. [1.1] WANG, Kai - SUBHANI, Waqas Siddique - WANG, Yulong - ZUO, Xiaokun - WANG, Hui - DUAN, Lianjie - LIU, Shengzhong (Frank). *Metal Cations in Efficient Perovskite Solar Cells: Progress and Perspective*. In *ADVANCED MATERIALS*. ISSN 0935-9648, 2019, vol. 31, no. 50, 1902037., Registrované v: WOS
21. [1.1] WANG, Kai - WU, Congcong - HOU, Yuchen - YANG, Dong - PRIYA, Shashank. *Monocrystalline perovskite wafers/thin films for photovoltaic and transistor applications*. In *JOURNAL OF MATERIALS CHEMISTRY A*. ISSN 2050-7488, 2019, vol. 7, no. 43, pp. 24661-24690., Registrované v: WOS
22. [1.1] WANG, Shixun - WANG, Yu - ZHANG, Yu - ZHANG, Xiangtong - SHEN, Xinyu - ZHUANG, Xingwei - LU, Po - YU, William W. - KERSHAW, Stephen V. - ROGACH, Andrey L. *Cesium Lead Chloride/Bromide Perovskite Quantum Dots with Strong Blue Emission Realized via a Nitrate-Induced Selective Surface Defect Elimination Process*. In *JOURNAL OF PHYSICAL CHEMISTRY LETTERS*. ISSN 1948-7185, 2019, vol. 10, no. 1, pp. 90-96., Registrované v: WOS
23. [1.1] WANG, Zenghua - LOU, Junjie - ZHENG, Xiaojia - ZHANG, Wen-Hua -

QIN, Yong. *Solution Processed Nb₂O₅ Electrodes for High Efficient Ultraviolet Light Stable Planar Perovskite Solar Cells*. In ACS SUSTAINABLE CHEMISTRY & ENGINEERING. ISSN 2168-0485, 2019, vol. 7, no. 7, pp. 7421-7429., Registrované v: WOS

24. [1.1] WOJCIECHOWSKI, Konrad - FORGAES, David - RIVERA, Thomas. *Industrial Opportunities and Challenges for Perovskite Photovoltaic Technology*. In SOLAR RRL. ISSN 2367-198X, 2019, vol. 3, no. 9., Registrované v: WOS

25. [1.1] XU, Xiuwen - XIE, Yue-Min - MA, Yuhui - LI, Menglin - MA, Chunging - LEE, Chun-Sing - TSANG, Sai-Wing. *The Role of Diammonium Cation on the Structural and Optoelectronic Properties in 3D Cesium-Formamidinium Mixed-Cation Perovskite Solar Cells*. In SOLAR RRL. ISSN 2367-198X, 2019, vol. 3, no. 8, 1900140., Registrované v: WOS

26. [1.1] YAN, Yeling - GAO, Junmei - MENG, Fanning - WANG, Ning - GAO, Ligu - MA, Tingli. *Large-Area Perovskite Solar Cells*. In PROGRESS IN CHEMISTRY. ISSN 1005-281X, 2019, vol. 31, no. 7, pp. 1031-1043., Registrované v: WOS

27. [1.1] YANG, Xiaolong - XI, Jun - SUN, Yuanhui - ZHANG, Yindi - ZHOU, Guijiang - WONG, Wai-Yeung. *A dopant-free twisted organic small-molecule hole transport material for inverted planar perovskite solar cells with enhanced efficiency and operational stability*. In NANO ENERGY. ISSN 2211-2855, 2019, vol. 64, UNSP 103946., Registrované v: WOS

28. [1.1] YE, Zhili - ZHOU, Junshuai - HOU, Jie - DENG, Fei - ZHENG, Yan-Zhen - TAO, Xia. *Low Temperature-Processed Stable and Efficient Carbon-Based CsPbI₂Br Planar Perovskite Solar Cells by In Situ Passivating Grain Boundary and Trap Density*. In SOLAR RRL. ISSN 2367-198X, 2019, vol. 3, no. 8, 1900109., Registrované v: WOS

29. [1.1] YUAN, Jifeng - BI, Chenghao - WANG, Shixun - GUO, Ruiqi - SHEN, Ting - ZHANG, Linxing - TIAN, Jianjun. *Spray-Coated Colloidal Perovskite Quantum Dot Films for Highly Efficient Solar Cells*. In ADVANCED FUNCTIONAL MATERIALS. ISSN 1616-301X, 2019, vol. 29, no. 49, 1906615., Registrované v: WOS

30. [1.1] ZHANG, Linxing - ZHOU, Mei - ZHANG, Ziyue - YUAN, Jifeng - LI, Bo - WEN, Wen - TIAN, Jianjun. *Ultra-long photoluminescence lifetime in an inorganic halide perovskite thin film*. In JOURNAL OF MATERIALS CHEMISTRY A. ISSN 2050-7488, 2019, vol. 7, no. 39, pp. 22229-22234., Registrované v: WOS

31. [1.1] ZHENG, Chao - BI, Chenghao - HUANG, Fan - BINKS, David - TIAN, Jianjun. *Stable and Strong Emission CsPbBr₃ Quantum Dots by Surface Engineering for High-Performance Optoelectronic Films*. In ACS APPLIED MATERIALS & INTERFACES. ISSN 1944-8244, 2019, vol. 11, no. 28, pp. 25410-25416., Registrované v: WOS

32. [1.1] ZHOU, Zhou-Kun - MO, Zhi-Hong - WEI, Xiao-Lan. *Higher quantum efficiency and moisture resistance of all-inorganic halide perovskite nanocrystal films in situ fabricated with cyclodextrin*. In CHEMICAL COMMUNICATIONS. ISSN 1359-7345, 2019, vol. 55, no. 79, pp. 11916-11919., Registrované v: WOS

33. [1.1] ZHU, Weidong - ZHANG, Zeyang - CHAI, Wenming - CHEN, Dazheng - XI, He - CHANG, Jingjing - ZHANG, Jincheng - ZHANG, Chunfu - HAO, Yue. *Benign Pinholes in CsPbI₂Br₂ Absorber Film Enable Efficient Carbon-Based, All-Inorganic Perovskite Solar Cells*. In ACS APPLIED ENERGY MATERIALS. ISSN 2574-0962, 2019, vol. 2, no. 7, pp. 5254-5262., Registrované v: WOS

ADCA419 HUDEC, Tomáš** - MIKULA, Marián - SATRAPINSKY, Leonid - ROCH, Tomáš - TRUCHLÝ, Martin - ŠVEC, Peter Jr. - HUMINIUC, Teodor - POLCAR, Tomáš.

Structure, mechanical and tribological properties of Mo-S-N solid lubricant coatings. In *Applied Surface Science*, 2019, vol. 486, p. 1-14. (2018: 5.155 - IF, Q1 - JCR, 1.115 - SJR, Q1 - SJR, karentované - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 0169-4332. Dostupné na: <https://doi.org/10.1016/j.apsusc.2019.03.294>

Citácie:

1. [1.1] BIN YAQUB, Talha - VUCHKOV, Todor - EVARISTO, Manuel - CAVALEIRO, Albano. DCMS Mo-Se-C solid lubricant coatings Synthesis, structural, mechanical and tribological property investigation. In *SURFACE & COATINGS TECHNOLOGY*. ISSN 0257-8972, 2019, vol. 378, 124992., Registrované v: WOS

ADCA420 CHADWICK, M.B. - OBLOŽINSKÝ, Pavol. Linear momentum in the exciton model - a consistent way to obtain angular-distributions. In *Physical Review C*, 1991, vol. 44, no. 5, r1740-R1744. ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.44.R1740>

Citácie:

1. [1.1] SU, Xinwu - HAN, Yinlu. Calculations and Evaluations of Neutron-Induced Reactions on Ta-180m, Ta-181. In *NUCLEAR SCIENCE AND ENGINEERING*. ISSN 0029-5639, 2019, vol. 193, no. 7, pp. 760-775., Registrované v: WOS

ADCA421 CHADWICK, M.B. - OBLOŽINSKÝ, Pavol - HODGSON, P.E. - REFFO, G. Pauli-blocking in the quasideuteron model of photoabsorption. In *Physical Review C*, 1991, vol. 44, no. 2, p. 814-823. ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.44.814>

Citácie:

1. [1.1] BRACCO, A. - LANZA, E. G. - TAMII, A. Isoscalar and isovector dipole excitations: Nuclear properties from low-lying states and from the isovector giant dipole resonance. In *PROGRESS IN PARTICLE AND NUCLEAR PHYSICS*. ISSN 0146-6410, 2019, vol. 106, pp. 360-433., Registrované v: WOS

2. [1.1] GORIELY, S. - DIMITRIOU, P. - WIEDEKING, M. - BELGYA, T. - FIRESTONE, R. - KOPECKY, J. - KRTICKA, M. - PLUJKO, V. - SCHWENGNER, R. - SIEM, S. - UTSUNOMIYA, H. - HILAIRE, S. - PERU, S. - CHO, Y. S. - FILIPESCU, D. M. - IWAMOTO, N. - KAWANO, T. - VARLAMOV, V. - XU, R. Reference database for photon strength functions. In *EUROPEAN PHYSICAL JOURNAL A*. ISSN 1434-6001, 2019, vol. 55, no. 10, 172., Registrované v: WOS

3. [1.1] GROSSE, E. - JUNGHANS, A. R. - WILSON, J. N. Consequences of broken axial symmetry in heavy nuclei-an overview of the situation in the valley of stability. In *PHYSICA SCRIPTA*. ISSN 0031-8949, 2019, vol. 94, no. 1, 014008., Registrované v: WOS

4. [1.1] PLUJKO, V. A. - GORIELY, S. - GORBACHENKO, O. M. - SOLODOVNYK, K. M. TEST OF MODELS FOR PHOTON STRENGTH FUNCTIONS OF ELECTRIC DIPOLE PHOTOEXCITATION. In *NUCLEAR PHYSICS AND ATOMIC ENERGY*. ISSN 1818-331X, 2019, vol. 20, no. 3, pp. 213-220., Registrované v: WOS

5. [1.1] PLUJKO, Vladimir - GORBACHENKO, Oleksandr - SOLODOVNYK, Kateryna. Description of nuclear photoexcitation by Lorentzian expressions for electric dipole photon strength function. In *EUROPEAN PHYSICAL JOURNAL A*. ISSN 1434-6001, 2019, vol. 55, no. 11, 210., Registrované v: WOS

6. [1.1] TIAN, Yuan - TAO, Xi - WANG, Jimin - KE, Xianbo - XU, Ruirui - GE, Zhigang. Giant dipole resonance parameters from photoabsorption cross-sections. In *CHINESE PHYSICS C*. ISSN 1674-1137, 2019, vol. 43, no. 11,

114102., Registrované v: WOS

- ADCA422 CHAUHAN, Prerna** - HASENÖHRL, Stanislav - DOBROČKA, Edmund - CHAUVAT, M.-P. - MINJ, A. - GUCMANN, Filip - VANČO, L. - KOVÁČ, Jaroslav Jr. - KRET, S. - RUTERANA, P. - KUBALL, M. - ŠIFFALOVÍČ, Peter - KUZMÍK, Ján. Evidence of relationship between strain and In-incorporation: growth of N-polar In-rich InAlN buffer layer by OMCVD. In Journal of Applied Physics, 2019, vol. 125, no. 105304. (2018: 2.328 - IF, Q2 - JCR, 0.746 - SJR, Q2 - SJR, karentované - CCC). (2019 - Current Contents). ISSN 0021-8979. Dostupné na: <https://doi.org/10.1063/1.5079756>

Citácie:

1. [1.1] BISWAS, Debaleen - FUJITA, Hirotaka - TORII, Naoki - EGAWA, Takashi. Effect of In composition on electrical performance of AlInGaN/GaN-based metal-insulator-semiconductor high electron mobility transistors (MIS-HEMTs) on Si. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2019, vol. 125, no. 22, pp., Registrované v: WOS

- ADCA423 CHILDS, A.M. - GOSSET, D. - NAGAJ, Daniel - RAHA, M. - WEBB, Z. Momentum switches. In Quantum Information and Computation, 2015, vol. 15, no. 7-8, pp. 601-621. (2014: 1.393 - IF, Q2 - JCR, 0.803 - SJR, Q2 - SJR, karentované - CCC). (2015 - Current Contents). ISSN 1533-7146.

Citácie:

1. [1.1] CIANI, A. - TERHAL, B. M. - DIVINCENZO, D. P. Hamiltonian quantum computing with superconducting qubits. In QUANTUM SCIENCE AND TECHNOLOGY. ISSN 2058-9565, 2019, vol. 4, no. 3, 035002., Registrované v: WOS

- ADCA424 CHITU, Livia - ŠIFFALOVÍČ, Peter - MAJKOVÁ, Eva - JERGEL, Matej - VÉGSO, Karol - LUBY, Štefan - CAPEK, Ignác - SATKA, A. - PERLICH, J. - TIMMANN, A. - ROTH, S.V. - KECKES, J. - MAIER, G.A. Modified Langmuir-Blodgett deposition of nanoparticles-measurement of 2D to 3D ordered arrays. In Measurement Science Review, 2010, vol. 10, no. 5, p. 162-165. (2009: 0.115 - SJR, Q4 - SJR). (2010 - WOS, SCOPUS). ISSN 1335-8871. Dostupné na: <https://doi.org/10.2478/v10048-010-0028-0>

Citácie:

1. [1.2] BEZDIDKO, O.V.- CHESKO, I.V.- KOSTIUK, D.M.- PROTSENKO, S.I. Formation of ordered magnetic nanoparticles arrays using various obtaining techniques. IN Journal of Nano- and Electronic Physics. ISSN 207767722019, vol. 11, iss. 3, art. no. 03037., Registrované v: Scopus
2. [1.2] NG, S.A.- RAZAK, K.A.- CHEONG, K.Y.- AW, K.C. Effect of template deposition method on formation of aunps in memory devices application. ISSN 10120394. IN Solid State Phenomena, 2019, vol. 290 SSP, p. 67-74., Registrované v: Scopus

- ADCA425 IGA, H. - MIHALKOVIČ, Marek - ISHIMASA, T. Approximant of dodecagonal quasicrystal formed in Mn-Si-V alloy. In Philosophical Magazine, 2011, vol. 91, no. 19-21, p. 2624-2633. (2010: 1.304 - IF, Q1 - JCR, 1.031 - SJR, Q2 - SJR, karentované - CCC). (2011 - Current Contents). ISSN 1478-6435. Dostupné na: <https://doi.org/10.1080/14786435.2010.508448>

Citácie:

1. [1.1] GIRZHON, V. V. - SMOLYAKOV, O. MODELLING OF LATTICES OF TWO-DIMENSIONAL QUASI-CRYSTALS. In USPEKHI FIZIKI METALLOV- PROGRESS IN PHYSICS OF METALS. ISSN 1608-1021, 2019, vol. 20, no. 4, pp. 551-583., Registrované v: WOS

- ADCA426 IHARAGI, T. - GENDIAR, Andrej - UEDA, H. - NISHINO, T. Phase transition of the ising model on a hyperbolic lattice. In Journal of the Physical Society of Japan,

2010, vol. 79, no. 10, 104001. (2009: 2.572 - IF, Q2 - JCR, 2.074 - SJR, Q1 - SJR, karentované - CCC). (2010 - Current Contents). ISSN 0031-9015. Dostupné na: <https://doi.org/10.1143/JPSJ.79.104001>

Citácie:

1. [1.1] *MACCORMACK, Ian - LIU, Aike - NOZAKI, Masahiro - RYU, Shinsei. Holographic duals of inhomogeneous systems: the rainbow chain and the sine-square deformation model. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2019, vol. 52, no. 50, 505401., Registrované v: WOS*

ADCA427 ILLEKOVÁ, Emília. FINEMET-type nanocrystallization kinetics. In *Thermochimica Acta*, 2002, vol. 387, no. 1, p. 47-56. ISSN 0040-6031. Dostupné na: [https://doi.org/10.1016/S0040-6031\(01\)00822-X](https://doi.org/10.1016/S0040-6031(01)00822-X)

Citácie:

1. [1.1] *LU, Shuaidan - SUN, Shuchen - LI, Kuanhe - LI, Haiyang - HUANG, Xiaoxiao - TU, Ganfeng. The effect of Y addition on the crystallization behaviors of Zr-Cu-Ni-Al bulk metallic glasses. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2019, vol. 799, pp. 501-512., Registrované v: WOS*

2. [1.1] *YANG, Xiaoshan - LIU, Jinna - CUI, Xiufang - JIN, Guo - LIU, Zhe - CHEN, Yanbo - FENG, Xiangru. Effect of remelting on microstructure and magnetic properties of Fe-Co-based alloys produced by laser additive manufacturing. In JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS. ISSN 0022-3697, 2019, vol. 130, pp. 210-216., Registrované v: WOS*

ADCA428 ILLEKOVÁ, Emília - CUNAT, C. - KUHNAST, F.A. - AHAROUNE, A. - FLORIANI, J.M. Complex behavior of specific-heat during structural relaxation of Fe₇₃Co₁₂B₁₅ metallic-glass. In *Thermochimica Acta*, 1992, vol. 203, p. 445-455. (1991: 0.620 - IF, karentované - CCC). (1992 - Current Contents). ISSN 0040-6031. Dostupné na: [https://doi.org/10.1016/0040-6031\(92\)85215-H](https://doi.org/10.1016/0040-6031(92)85215-H)

Citácie:

1. [1.1] *TOURNIER, Robert F. First-order transitions in glasses and melts induced by solid superclusters nucleated and melted by homogeneous nucleation instead of surface melting. In CHEMICAL PHYSICS. ISSN 0301-0104, 2019, vol. 524, pp. 40-54., Registrované v: WOS*

ADCA429 ILLEKOVÁ, Emília - JERGEL, Matej - DUHAJ, Pavol - INOUE, A. The relation between the bulk and ribbon Zr₅₅Ni₂₅Al₂₀ metallic glasses. In *Materials Science and Engineering A*, 1997, vol. 226, p. 388-392. (1996: 0.852 - IF, karentované - CCC). (1997 - Current Contents, WOS, SCOPUS). ISSN 0921-5093.

Citácie:

1. [1.1] *WEI, Qi - GOSTIN, Petre Flaviu - ADDISON, Owen - REED, Daniel - CALIN, Mariana - BERA, Supriya - RAMASAMY, Parthiban - DAVENPORT, Alison. The Influence of Partial Replacement of Cu with Ga on the Corrosion Behavior of Ti₄₀Zr₁₀Cu₃₆Pd₁₄ Metallic Glasses. In JOURNAL OF THE ELECTROCHEMICAL SOCIETY. ISSN 0013-4651, 2019, vol. 166, no. 14, pp. C485-C491., Registrované v: WOS*

ADCA430 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, no. 1-3, p. 167-170. (2000: 1.269 - IF, karentované - CCC). (2001 - Current Contents, SCOPUS). ISSN 0022-3093. Dostupné na: [https://doi.org/10.1016/S0022-3093\(01\)00552-X](https://doi.org/10.1016/S0022-3093(01)00552-X)

Citácie:

1. [1.1] *TSEPELEV, V. S. - STARODUBTSEV, Yu N. - WU, K. M. Influence of Ni on crystallization and magnetic properties of Fe_{72.5-x}Ni_xCu₁Nb₂Mo_{1.5}Si₁₄B₉*

alloys. In JOURNAL OF CRYSTAL GROWTH. ISSN 0022-0248, 2019, vol. 528, UNSP 125256., Registrované v: WOS

ADCA431 ILLEKOVÁ, Emília. On the various activation energies at crystallization of amorphous metallic materials. In Journal of Non-Crystalline Solids, 1984, vol. 68, no. 1, p. 153-156. ISSN 0022-3093. Dostupné na: [https://doi.org/10.1016/0022-3093\(84\)90042-5](https://doi.org/10.1016/0022-3093(84)90042-5)

Citácie:

1. [1.1] KIM, Woo-Chul - KIM, Yong-Joo - KIM, Yeong-Seong - HYUN, Jae-Ik - HONG, Sung-Hwan - KIM, Won-Tae - KIM, Do-Hyang. Enhancement of superelastic property in Ti-Zr-Ni-Cu alloy by using glass alloy precursor with high glass forming ability. In ACTA MATERIALIA. ISSN 1359-6454, 2019, vol. 173, pp. 130-141., Registrované v: WOS

2. [1.1] KIM, Yeong-Seong - KIM, Woo-Chul - KIM, Won-Tae - KIM, Do-Hyang. Improvement of Thermoplastic Forming Ability of Ti-Zr-Ni-Cu Metallic Glass by Addition of Sn. In METALS AND MATERIALS INTERNATIONAL. ISSN 1598-9623, 2019, vol., no., pp., Registrované v: WOS

ADCA432 ILLEKOVÁ, Emília - GACHON, J.C. - ROGACHEV, A. - GRIGORYAN, H. - SCHUSTER, J.C. - NOSYREV, A. - TSYGANKOV, P. Kinetics of intermetallic phase formation in the Ti/Al multilayers. In Thermochimica Acta, 2008, vol. 469, no. 1-2, p. 77-85. (2007: 1.562 - IF, Q3 - JCR, 0.799 - SJR, Q1 - SJR, karentované - CCC). (2008 - Current Contents). ISSN 0040-6031. Dostupné na: <https://doi.org/10.1016/j.tca.2007.12.011>

Citácie:

1. [1.1] KAR, Amlan - SUWAS, Satyam - KAILAS, Satish V. Multi-Length Scale Characterization of Microstructure Evolution and Its Consequence on Mechanical Properties in Dissimilar Friction Stir Welding of Titanium to Aluminum. In METALLURGICAL AND MATERIALS TRANSACTIONS A-PHYSICAL METALLURGY AND MATERIALS SCIENCE. ISSN 1073-5623, 2019, vol. 50A, no. 11, pp. 5153-5173., Registrované v: WOS

2. [1.1] LOGINOVA, Marina - SOBACHKIN, Alexey - SITNIKOV, Alexander - YAKOVLEV, Vladimir - FILIMONOV, Valeriy - MYASNIKOV, Andrey - SHARAFUTDINOV, Marat - TOLOCHKO, Boris - GRADOBOEV, Alexander. Synchrotron in situ studies of mechanical activation treatment and gamma-radiation impact on structural-phase transitions and high-temperature synthesis parameters during the formation of gamma-(TiAl) compound. In JOURNAL OF SYNCHROTRON RADIATION. ISSN 0909-0495, 2019, vol. 26, pp. 1671-1678., Registrované v: WOS

ADCA433 ILLEKOVÁ, Emília - HARNÚŠKOVÁ, Jana - FLOREK, Roman - SIMANČÍK, František - MAŤKO, Igor - ŠVEC, Peter. Peculiarities of TiH₂ decomposition. In Journal of Thermal Analysis and Calorimetry, 2011, vol. 105, no. 2, p. 583-590. (2010: 1.752 - IF, Q3 - JCR, 0.474 - SJR, Q3 - SJR, karentované - CCC). (2011 - Current Contents). ISSN 1388-6150. Dostupné na: <https://doi.org/10.1007/s10973-010-1232-8>

Citácie:

1. [1.1] HANGAI, Yoshihiko - KOBAYASHI, Ryusei - SUZUKI, Ryosuke - MATSUBARA, Masaaki - YOSHIKAWA, Nobuhiro. Aluminum Foam-Filled Steel Tube Fabricated from Aluminum Burrs of Die-Castings by Friction Stir Back Extrusion. In METALS, 2019, vol. 9, no. 2, 124., Registrované v: WOS

2. [1.1] HANGAI, Yoshihiko - MATSUSHITA, Hayato - SUZUKI, Ryosuke - KOYAMA, Shinji - AMAGAI, Kenji - NAGAHIRO, Ryohei - UTSUNOMIYA, Takao - MATSUBARA, Masaaki - YOSHIKAWA, Nobuhiro. Refoaming of deformed aluminum foam by precursor foaming process. In JOURNAL OF POROUS

MATERIALS. ISSN 1380-2224, 2019, vol. 26, no. 4, pp. 1149-1155., Registrované v: WOS

3. [1.1] MARINESCU, Cornelia - SOFRONIA, Ancuta - ANGHEL, Elena M. - BAIES, Radu - CONSTANTIN, Daniel - SECIU, Ana-Maria - GINGU, Oana - TANASESCU, Speranta. Microstructure, stability and biocompatibility of hydroxyapatite titania nanocomposites formed by two step sintering process. In *ARABIAN JOURNAL OF CHEMISTRY. ISSN 1878-5352, 2019, vol. 12, no. 6, pp. 857-867., Registrované v: WOS*

ADCA434 ILLEKOVÁ, Emília - DUHAJ, Pavol - MRAFKO, Peter - ŠVEC, Peter. Influence of Pd on crystallization of Al-Ni-Sm-based ribbons. In *Journal of Alloys and Compounds*, 2009, vol. 483, no. 1-2, p. 20-23. (2008: 1.510 - IF, Q1 - JCR, 0.888 - SJR, Q1 - SJR, karentované - CCC). (2009 - Current Contents, WOS, SCOPUS). ISSN 0925-8388. Dostupné na: <https://doi.org/10.1016/j.jallcom.2008.08.106>

Citácie:

1. [1.1] CUEVAS, F. G. - LOZANO-PEREZ, S. - ARANDA, R. M. - CABALLERO, E. S. Crystallisation of amorphous Al-Sm-Ni-(Cu) alloys. In *INTERMETALLICS. ISSN 0966-9795, 2019, vol. 112, UNSP 106537., Registrované v: WOS*

ADCA435 ILLEKOVÁ, Emília - CSOMOROVÁ, Katarína. Kinetics of oxidation in various forms of carbon. In *Journal of Thermal Analysis and Calorimetry*, 2005, vol. 80, no. 1, p. 103-108. ISSN 1388-6150. Dostupné na: <https://doi.org/10.1007/s10973-005-0620-y>

Citácie:

1. [1.1] DEY, Atanu - CHAKRABARTI, Omprakash. Investigation on synthesis of cordierite bonded porous SiC ceramics with emphasis on bond phase formation. In *MATERIALS CHEMISTRY AND PHYSICS. ISSN 0254-0584, 2019, vol. 222, pp. 275-285., Registrované v: WOS*

2. [1.1] PICHEAU, Emmanuel - HOF, Ferdinand - DERRE, Alain - DAFFOS, Barbara - PENICAUD, Alain. Thermal Oxidation of Carbonaceous Nanomaterials Revisited: Evidence of Mechanism Changes. In *ANGEWANDTE CHEMIE-INTERNATIONAL EDITION. ISSN 1433-7851, 2019, vol. 58, no. 45, pp. 16013-16017., Registrované v: WOS*

3. [1.2] BIEMOLT, J.- ROTHENBERG, G.- YAN, N. Understanding the roles of amorphous domains and oxygen-containing groups of nitrogen-doped carbon in oxygen reduction catalysis: Toward superior activity. In *Inorganic Chemistry Frontiers. ISSN 2052155, 2019, vol. 7, no 1, p. 177-185., Registrované v: Scopus*

4. [1.2] WANG, T.- LI, Y.- SANG, S.- XU, Y.- WANG, Q. Impact of the Addition of Thermo-activated Graphite Flake on the Microstructure and Properties of Carbon Blocks for Blast Furnace. In *Cailiao Daobao/Materials Reports, 2019, vol. 33, no. 6, p. 1831-1835., Registrované v: Scopus*

ADCA436 ISHIMASA, T. - IWAMI, S. - SAKAGUCHI, N. - OOTA, R. - MIHALKOVIČ, Marek. Phason space analysis and structure modelling of 100 Å-scale dodecagonal quasicrystal in Mn-based alloy. In *Philosophical Magazine*, 2015, vol. 95, no. 33, p. 3745-3767. (2014: 1.825 - IF, Q1 - JCR, 0.939 - SJR, Q1 - SJR, karentované - CCC). (2015 - Current Contents). ISSN 1478-6435. Dostupné na: <https://doi.org/10.1080/14786435.2015.1095365>

Citácie:

1. [1.1] CHEN, Jian-Hui - CAI, Cheng - FU, Xiu-Jun. Decagonal and Dodecagonal Quasicrystals Obtained by Molecular Dynamics Simulations. In *CHINESE PHYSICS LETTERS. ISSN 0256-307X, 2019, vol. 36, no. 3, 036101., Registrované v: WOS*

2. [1.1] SCHENK, Sebastian - ZOLLNER, Eva Maria - KRAHN, Oliver - SCHRECK, Berit - HAMMER, Rene - FOERSTER, Stefan - WIDDERA, Wolf. Full

- real-space analysis of a dodecagonal quasicrystal. In ACTA CRYSTALLOGRAPHICA A-FOUNDATION AND ADVANCES. ISSN 2053-2733, 2019, vol. 75, pp. 307-313., Registrované v: WOS*
- ADCA437 JAHNATEK, M. - HAFNER, J. - KRAJČÍ, Marián. Shear deformation, ideal strength, and stacking fault formation of fcc metals: A density-functional study of Al and Cu. In Physical Review B, 2009, vol. 79, no. 22, 224103. (2008: 3.322 - IF, Q1 - JCR, 2.923 - SJR, Q1 - SJR, karentované - CCC). (2009 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.79.224103>
- Citácie:
1. [1.1] CHEN, Yi - HE, Shuang - YI, Zhou - PENG, Ping. A synergistic reinforcement of Re and W for ideal shear strengths of gamma '-Ni3Al phases. In JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS. ISSN 0022-3697, 2019, vol. 131, pp. 34-43., Registrované v: WOS
 2. [1.1] DHALIWAL, Gurjot - NAIR, Prasanth B. - SINGH, Chandra Veer. Uncertainty and sensitivity analysis of mechanical and thermal properties computed through Embedded Atom Method potential. In COMPUTATIONAL MATERIALS SCIENCE. ISSN 0927-0256, 2019, vol. 166, pp. 30-41., Registrované v: WOS
 3. [1.1] GOURIET, Karine - CARREZ, Philippe - CORDIER, Patrick. Ultimate Mechanical Properties of Forsterite. In MINERALS, 2019, vol. 9, no. 12, 787., Registrované v: WOS
 4. [1.1] GUO, Y. Q. - ZHANG, S. H. - BEYERLEIN, I. J. - LEGUT, D. - SHANG, S. L. - LIU, Z. K. - ZHANG, R. F. Synergetic effects of solute and strain in biocompatible Zn-based and Mg-based alloys. In ACTA MATERIALIA. ISSN 1359-6454, 2019, vol. 181, pp. 423-438., Registrované v: WOS
 5. [1.1] HU, Bing - YIN, Yazhi - ZHONG, Zixin - WU, Dengdeng - LIU, Guoliang - HONG, Xinlin. Cu@ZIF-8 derived inverse ZnO/Cu catalyst with sub-5 nm ZnO for efficient CO2 hydrogenation to methanol. In CATALYSIS SCIENCE & TECHNOLOGY. ISSN 2044-4753, 2019, vol. 9, no. 10, pp. 2673-2681., Registrované v: WOS
 6. [1.1] PUN, G. P. Purja - BATRA, R. - RAMPRASAD, R. - MISHIN, Y. Physically informed artificial neural networks for atomistic modeling of materials. In NATURE COMMUNICATIONS. ISSN 2041-1723, 2019, vol. 10, 2339., Registrované v: WOS
 7. [1.1] SHEN, Yidi - WANG, Hongwei - ANA, Qi. Enhanced ductility of III-V covalent semiconductors from electrons and holes. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2019, vol. 126, no. 19, 195105., Registrované v: WOS
 8. [1.1] SUN, Bin - OUYANG, Wenze - REN, Jijiang - MI, Liwei - GUO, Wei. Fcc > bcc > hcp successive phase transformations in the strained ultrathin copper film: A molecular dynamic simulation study. In MATERIALS CHEMISTRY AND PHYSICS. ISSN 0254-0584, 2019, vol. 223, pp. 171-182., Registrované v: WOS
 9. [1.1] TAN, Anne Marie Z. - WOODWARD, Christopher - TRINKLE, Dallas R. Dislocation core structures in Ni-based superalloys computed using a density functional theory based flexible boundary condition approach. In PHYSICAL REVIEW MATERIALS. ISSN 2475-9953, 2019, vol. 3, no. 3, 033609., Registrované v: WOS
 10. [1.1] TU, Peng - ZHENG, Yonghao - ZHUANG, Cheng - ZENG, Xiaoqin - ZHU, Hong. A high-throughput computation framework for generalized stacking fault energies of pure metals. In COMPUTATIONAL MATERIALS SCIENCE. ISSN 0927-0256, 2019, vol. 159, pp. 357-364., Registrované v: WOS

11. [1.1] WANG, Hongwei - SONG, Shuangxi - ZOU, Xinshu - WANG, Fangxi - ZHANG, Zhifu - MOROZOV, Sergey - WANG, Xiaodong - REDDY, Kolan Madhav - AN, Qi. Photomechanical effect leading to extraordinary ductility in covalent semiconductors. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2019, vol. 100, no. 9, 094110., Registrované v: WOS
12. [1.1] WANG, Jinkai - FU, Zehang - LU, Zhanpeng - WANG, Hao - HE, Yanlin - KOHYAMA, Masanori - CHEN, Ying. Evaluations of variant models for stacking fault energy based on gamma-TiAl. In *PHILOSOPHICAL MAGAZINE*. ISSN 1478-6435, 2019, vol. 99, no. 24, pp. 3096-3115., Registrované v: WOS
13. [1.1] WANG, William Yi - ZOU, Chengxiong - LIN, Deye - TANG, Jian - ZHANG, Liang - SUN, Jing - GUAN, Quanmei - TANG, Bin - WANG, Jun - KOU, Hongchao - GAO, Jun - SONG, Haifeng - MA, Jijun - LI, Jinshan. Interstitial triggered grain boundary embrittlement of Al-X (X = H, N and O). In *COMPUTATIONAL MATERIALS SCIENCE*. ISSN 0927-0256, 2019, vol. 163, pp. 241-247., Registrované v: WOS
14. [1.1] XUE, Zhe - ZHANG, Xinyu - QIN, Jiaqian - MA, Mingzhen - LIU, Riping. Effect of oxygen concentration on the tension and shear strength of Zr-O system: A first-principles study. In *JOURNAL OF ALLOYS AND COMPOUNDS*. ISSN 0925-8388, 2019, vol. 781, pp. 919-928., Registrované v: WOS
15. [1.1] ZHANG, Qian - LIU, Ying - LIAO, Ting - ZHANG, Caili - WU, Xiaolei - LIU, Yongsheng - QURASHI, Muhammad Saqlain - ZHENG, Feng - SONG, Qingsong - HAN, Peide. Graphene/Cu composites: Electronic and mechanical properties by first-principles calculation. In *MATERIALS CHEMISTRY AND PHYSICS*. ISSN 0254-0584, 2019, vol. 231, pp. 188-195., Registrované v: WOS
16. [1.1] ZHANG, R. F. - ZHANG, S. H. - GUO, Y. Q. - FU, Z. H. - LEGUT, D. - GERMANN, T. C. - VEPREK, S. First-principles design of strong solids: Approaches and applications. In *PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS*. ISSN 0370-1573, 2019, vol. 826, pp. 1-49., Registrované v: WOS
17. [1.1] ZHANG, S. H. - FU, Z. H. - ZHANG, R. F. ADAIS: Automatic Derivation of Anisotropic Ideal Strength via high-throughput first-principles computations. In *COMPUTER PHYSICS COMMUNICATIONS*. ISSN 0010-4655, 2019, vol. 238, pp. 244-253., Registrované v: WOS
18. [1.1] ZHANG, S. H. - LEGUT, D. - ZHANG, R. F. PNADIS: An automated Peierls-Nabarro analyzer for dislocation core structure and slip resistance. In *COMPUTER PHYSICS COMMUNICATIONS*. ISSN 0010-4655, 2019, vol. 240, pp. 60-73., Registrované v: WOS
19. [1.1] ZHANG, Yong - GUO, Jinming - CHEN, Jianghua - WU, Cuilan - KORMOUT, Karoline Sophie - GHOSH, Pradipta - ZHANG, Zaoli. On the stacking fault energy related deformation mechanism of nanocrystalline Cu and Cu alloys: A first-principles and TEM study. In *JOURNAL OF ALLOYS AND COMPOUNDS*. ISSN 0925-8388, 2019, vol. 776, pp. 807-818., Registrované v: WOS
20. [1.1] ZINOVEV, A. - ISKANDAROV, A. M. - DMITRIEV, S. - PSHENICHNYUK, A. Criteria of instability of copper and aluminium perfect crystals subjected to elastic deformation in the temperature range 0 400 K. In *LETTERS ON MATERIALS*. ISSN 2218-5046, 2019, vol. 9, no. 3, pp. 265-269., Registrované v: WOS

ADCA438 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. (2006: 1.354 - IF, Q1 - JCR, 1.177 - SJR, Q1 - SJR). ISSN 1478-6435. Dostupné na:

<https://doi.org/10.1080/14786430601057946>

Citácie:

1. [1.1] MENG, Fan-Shun - WANG, Yu - LU, Xiao-Ming - LI, Jiu-Hui. *First-principles investigation of elastic, mechanical, electronic and thermodynamic properties of Al_3Li compound under pressure*. In *MATERIALS RESEARCH EXPRESS*. ISSN 2053-1591, 2019, vol. 6, no. 12, 1265g6., Registrované v: WOS
2. [1.1] MENG, Fan-Shun - YAO, Zhen - VSIANSKA, Monika - FRIAK, Martin - SOB, Mojmir. *Theoretical investigations on structural, elastic, thermodynamic and electronic properties of Al_3Ti and Al_3V compounds in $L1(2)$ structure under high pressure*. In *MATERIALS RESEARCH EXPRESS*. ISSN 2053-1591, 2019, vol. 6, no. 5, 056536., Registrované v: WOS
3. [1.1] ZHOU, Shenggang - PENG, Bin - CAO, Yong - XU, Yang - QUAN, Guiling - MA, Shuangshuang - JIAO, Zengkai - LUO, Kailiang. *First-principles investigations on stability, elastic properties and electronic structures of $L1_2$ - $TiAl_3$ and $D0_{22}$ - $TiAl_3$ under pressure*. In *PHYSICA B-CONDENSED MATTER*. ISSN 0921-4526, 2019, vol. 571, pp. 118-129., Registrované v: WOS

ADCA439 JAHNÁTEK, Michal - KRAJČÍ, Marián - HAFNER, Jürgen. Interatomic bonding, elastic properties and ideal strength of transition metal aluminides: A case study for $Al_3(V, Ti)$. In *Physical Review B*, 2005, vol. 71, no. 2, 024101. (2004: 3.075 - IF, karentované - CCC). (2005 - Current Contents). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.71.024101>

Citácie:

1. [1.1] BOULECHFAR, R. - KHODJA, A. Trad - KHENIOUI, Y. - MERADJI, H. - DRABLIA, S. - CHOUANDA, Z. - GHEMID, S. - NAQIB, S. H. - KHENATA, R. - WANG, X. T. *First-principle study of the structural, mechanical, electronic and thermodynamic properties of intermetallic compounds: Pd_3M ($M = Sc, Y$)*. In *INTERNATIONAL JOURNAL OF MODERN PHYSICS B*. ISSN 0217-9792, 2019, vol. 33, no. 27, 1950321., Registrované v: WOS
2. [1.1] MENG, Fan-Shun - YAO, Zhen - VSIANSKA, Monika - FRIAK, Martin - SOB, Mojmir. *Theoretical investigations on structural, elastic, thermodynamic and electronic properties of Al_3Ti and Al_3V compounds in $L1(2)$ structure under high pressure*. In *MATERIALS RESEARCH EXPRESS*. ISSN 2053-1591, 2019, vol. 6, no. 5, 056536., Registrované v: WOS

ADCA440 JANDEL, M. - WUENSCHER, S. - SHETTY, D.V. - SOULIOTIS, G.A. - KEKSIS, A.L. - YENNELLO, S.J. - VESELSKÝ, Martin. Signatures of critical behavior in the multifragmentation of nuclei with charge $Z=12-15$ and the N/Z dependence. Signatures of critical behavior in the multifragmentation of nuclei with charge $Z = 12-15$ and the N/Z dependence. In *Physical Review C*, 2006, vol. 74, no. 5, 054608. (2005: 3.610 - IF, 1.287 - SJR, Q1 - SJR, karentované - CCC). (2006 - Current Contents, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1016/j.nuclphysa.2015.10.001>

Citácie:

1. [1.1] SOOD, Samiksha - KUMAR, Rohit - SHARMA, Arun - PURI, Rajeev K. *Cluster formation and phase transition in nuclear disassembly using a variety of clusterization algorithms*. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 99, no. 5, 054612., Registrované v: WOS

ADCA441 JANKOVIČ, Ľuboš - VÉGSO, Karol - ŠIFFALOVÍČ, Peter - ŠAUŠA, Ondrej - ČAPLOVIČ, Ľubomír - ČAPLOVIČOVÁ, Mária - MEDLÍN, Rostislav - UHLÍK, Peter - NÓGELLOVÁ, Zuzana. XRD, SAXS, and PALS investigations of three different polymers reinforced with tetraoctylammonium exchanged montmorillonite. In *International Journal of Polymer Analysis and Characterization*, 2016, vol. 21, no. 6, p. 524-536. (2015: 1.515 - IF, Q3 - JCR, 0.478 - SJR, Q2 - SJR, karentované -

CCC). (2016 - Current Contents). ISSN 1023-666X. Dostupné na:
<https://doi.org/10.1080/1023666X.2016.1176760>

Citácie:

1. [1.1] RYCHTER, Marek - MILANOWSKI, Bartłomiej - GRZESKOWIAK, Bartosz F. - JAREK, Marcin - KEMPINSKI, Mateusz - COY, Emerson L. - BORYSLAK, Sławomir - BARANOWSKA-KORCZYK, Anna - LULEK, Janina. *Cilostazol-loaded electrospun three-dimensional systems for potential cardiovascular application: Effect of fibers hydrophilization on drug release, and cytocompatibility. In JOURNAL OF COLLOID AND INTERFACE SCIENCE. ISSN 0021-9797, 2019, vol. 536, pp. 310-327., Registrované v: WOS*

- ADCA442 JANOTOVÁ, Irena - ZIGO, Juraj - ŠVEC, Peter Jr. - MAŤKO, Igor - JANIČKOVIČ, Dušan - ŠVEC, Peter. Analysis of phase transformations in Fe-(Co)-B-Si-(P). In Journal of Alloys and Compounds, 2015, vol. 643, s265-S269. (2014: 2.999 - IF, Q1 - JCR, 1.117 - SJR, Q1 - SJR, karentované - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 0925-8388. Dostupné na:
<https://doi.org/10.1016/j.jallcom.2015.01.104>

Citácie:

1. [1.1] IMANI, M. - ENAYATI, M. H. - BASAK, A. K. *A novel approach for mechanical alloying amorphisation in magnetic Fe-Co alloy system. In MATERIALS RESEARCH EXPRESS. ISSN 2053-1591, 2019, vol. 6, no. 7, 076575., Registrované v: WOS*

- ADCA443 JANOTOVÁ, Irena** - ŠVEC, Peter - ŠVEC, Peter Jr. - MAŤKO, Igor - JANIČKOVIČ, Dušan - KUNCA, Branislav - MARCIN, Jozef - ŠKORVÁNEK, Ivan. Formation of magnetic phases in rapidly quenched Mn-based systems. In Journal of Alloys and Compounds, 2018, vol. 749, p. 128-133. (2017: 3.779 - IF, Q1 - JCR, 1.020 - SJR, Q1 - SJR, karentované - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 0925-8388. Dostupné na:
<https://doi.org/10.1016/j.jallcom.2018.03.208>

Citácie:

1. [1.1] GABAY, A. M. - HADJIPANAYIS, G. C. - CUI, J. *Effect of Sb substitution on crystal structure, texture and hard magnetic properties of melt-spun MnBi alloys. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2019, vol. 792, pp. 77-86., Registrované v: WOS*

- ADCA444 JANOTOVÁ, Irena - HOŠKO, Jozef - ŠVEC, Peter Jr. - MAŤKO, Igor - JANIČKOVIČ, Dušan - ŠVEC, Peter - GEMMING, T. - STOICA, M. The structure of rapidly quenched Fe-Co-B-Si based systems and the influence of addition of Cu and P. In Journal of Alloys and Compounds, 2014, vol. 615, s1, s198-S202. (2013: 2.726 - IF, Q1 - JCR, 1.064 - SJR, karentované - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 0925-8388. Dostupné na:
<https://doi.org/10.1016/j.jallcom.2013.12.044>

Citácie:

1. [1.1] OZTURK, Sultan - ICIN, Kursat - GENCTURK, Merve - GOBULUK, Metin - TOPAL, Ugur - SVEC, Peter. *Surface and structural characterization of amorphous Fe,Co-based melt-spun ribbons subjected to heat treatment processes. In JOURNAL OF NON-CRYSTALLINE SOLIDS. ISSN 0022-3093, 2019, vol. 522, UNSP 119592., Registrované v: WOS*

- ADCA445 JANOTOVÁ, Irena - HOŠKO, Jozef - ŠVEC, Peter Jr. - JANIČKOVIČ, Dušan - VLASÁK, Gabriel - ŠVEC, Peter. The study of magnetically soft Fe-B-P based nanostructures. In Journal of Superconductivity and Novel Magnetism, 2013, vol. 26, no. 4, p. 793-796. (2012: 0.702 - IF, Q4 - JCR, 0.420 - SJR, karentované - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 1557-1939. Dostupné na:
<https://doi.org/10.1007/s10948-012-1835-3>

Citácie:

1. [1.1] MIRZAEI, Sima - ARABI, Hossein - SAGHAFIAN, Hassan - BEITOLLAHI, Ali. Non-isothermal Primary Crystallization Kinetics of the Amorphous Fe_{85.3}B₁₁P₃CU_{0.7} Alloy. In JOURNAL OF NANOSTRUCTURES. ISSN 2251-7871, 2019, vol. 9, no. 3, pp. 442-452., Registrované v: WOS

ADCA446

JANOTOVÁ, Irena** - ŠVEC, Peter - ŠVEC, Peter Jr. - MAŤKO, Igor - JANIČKOVIČ, Dušan - ZIGO, Juraj - MIHALKOVIČ, Marek - MARCIN, Jozef - ŠKORVÁNEK, Ivan. Phase analysis and structure of rapidly quenched Al-Mn systems. In Journal of Alloys and Compounds, 2017, vol. 707, p. 137-141. (2016: 3.133 - IF, Q1 - JCR, 0.954 - SJR, Q1 - SJR, karentované - CCC). (2017 - Current Contents). ISSN 0925-8388. Dostupné na: <https://doi.org/10.1016/j.jallcom.2016.11.171>

Citácie:

1. [1.1] GENC, Ayse Merve - ACAR, Ozgun - TURAN, Servet - KALAY, Ilkay - SAVACI, Umut - KALAY, Yunus Eren. Investigation of phase selection hierarchy in Mn-Al alloys. In INTERMETALLICS. ISSN 0966-9795, 2019, vol. 115, art. no. UNSP 106617., Registrované v: WOS

2. [1.1] OYGARDEN, Vegar - RIAL, Javier - BOLLERO, Alberto - DELEDDA, Stefano. Phase-pure tau-MnAlC produced by mechanical alloying and a one-step annealing route. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2019, vol. 779, pp. 776-783., Registrované v: WOS

3. [1.1] SI, Pingzhan - QIAN, Huidong - WANG, Xinyou - YANG, Yang - PARK, Jihoon - GE, Hongliang - CHOI, Chul-Jin. High-Pressure Synthesis of High Coercivity Bulk MnAl-C Magnets from Melt-Spun Ribbons. In JOURNAL OF ELECTRONIC MATERIALS. ISSN 0361-5235, 2019, vol. 48, no. 2, pp. 794-798., Registrované v: WOS

4. [1.1] SU, K. P. - HU, S. L. - WANG, H. O. - HUANG, S. - CHEN, X. X. - LIU, J. J. - HUO, D. X. - MA, L. - LIU, Z. W. Structural and magnetic properties of Mn₅₀Al₄₆Cu₄C₃ flakes obtained by surfactant-assisted ball milling. In MATERIALS RESEARCH EXPRESS. ISSN 2053-1591, 2019, vol. 6, no. 10, art. no. 106125., Registrované v: WOS

5. [1.1] XIANG, Zhen - SONG, Yiming - DENG, Baiwen - CUI, Erbiao - YU, Lunzhou - LU, Wei. Enhanced formation and improved thermal stability of ferromagnetic tau phase in nanocrystalline Mn₅₅Al₄₅ alloys by Co addition. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2019, vol. 783, pp. 416-422., Registrované v: WOS

6. [1.1] XIANG, Zhen - WANG, Xiao - SONG, Yiming - YU, Lunzhou - CUI, Erbiao - DEN, Baiwen - BATALLU, Dan - LU, Wei. Effect of cooling rates on the microstructure and magnetic properties of MnAl permanent magnetic alloys. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2019, vol. 475, pp. 479-483., Registrované v: WOS

ADCA447

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. (2008: 2.104 - IF, Q2 - JCR, 1.427 - SJR, Q1 - SJR, karentované - CCC). (2009 - Current Contents, SCOPUS). ISSN 0022-3727. Dostupné na: <https://doi.org/10.1088/0022-3727/42/13/135406>

Citácie:

1. [1.1] PAZUKHA, I. M. - SHCHOTKIN, V. V. - SHKURDODA, Yu O. STRUCTURE, MAGNETIC AND MAGNETORESISTIVE PROPERTIES OF COMPOSITE MATERIALS BASED ON FERROMAGNETIC METALS AND

ALLOYS WITH DIFFERENT TYPES OF DIELECTRIC MATRIX. In USPEKHI FIZIKI METALLOV-PROGRESS IN PHYSICS OF METALS. ISSN 1608-1021, 2019, vol. 20, no. 4, pp. 672-692., Registrované v: WOS
 2. [1.1] ZHAO, Yue - WANG, Kai - YUAN, Shuang - LI, Guojian - MA, Yonghui - WANG, Qang. Solid-State Dewetting in Polycrystalline Co Films on Native Oxide Si(100) by Kirkendall Effects. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2019, vol. 123, no. 32, pp. 19572-19578., Registrované v: WOS

ADCA448 JEX, I. - BUŽEK, Vladimír. Multiphoton coherent states and the linear superposition principle. In Journal of Modern Optics, 1993, vol. 40, no. 5, p. 771-783. ISSN 0950-0340. Dostupné na: <https://doi.org/10.1080/09500349314550811>

Citácie:

1. [1.1] DIAZ-BAUTISTA, Erik - FERNANDEZ C, David J. Multiphoton supercoherent states. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2019, vol. 134, no. 2, 61., Registrované v: WOS

ADCA449 JIRÁSKOVÁ, Yvonna - BURŠÍK, Jiří - JANIČKOVIČ, Dušan - ŽIVOTSKÝ, Ondřej**. Influence of preparation technology on microstructural and magnetic properties of Fe₂MnSi and Fe₂MnAl Heusler alloys. In Materials, 2019, vol. 12, no. 5, 710. (2018: 2.972 - IF, Q2 - JCR, 0.686 - SJR, Q2 - SJR, karentované - CCC). (2019 - Current Contents). ISSN 1996-1944. Dostupné na: <https://doi.org/10.3390/ma12050710>

Citácie:

1. [1.1] WEI, Xiao-Ping - MA, Sheng-Ming - SUN, Xiao-Wei - GAO, Peifeng - ZHANG, Ya-Ling. The Tunable Electronic, Magnetic and Curie Temperature by Co Doping Fe_{2-x}Co_x MnAl Alloys. In ACTA PHYSICA POLONICA A. ISSN 0587-4246, 2019, vol. 136, no. 3, pp. 520-526., Registrované v: WOS

ADCA450 JUREČKA, S. - ANGERMANN, H. - KOBAYASHI, H. - TAKAHASHI, M. - PINČÍK, Emil. Multifractal analysis of textured silicon surfaces. In Applied Surface Science, 2014, vol. 301, p. 46-50. (2013: 2.538 - IF, Q1 - JCR, 0.965 - SJR, karentované - CCC). (2014 - Current Contents). ISSN 0169-4332. Dostupné na: <https://doi.org/10.1016/j.apsusc.2014.02.102>

Citácie:

1. [1.1] MODABBERASL, A. - SHARIFI, M. - SHAHBAZI, F. - KAMELI, P. Multifractal analysis of DLC thin films deposited by pulsed laser deposition. In APPLIED SURFACE SCIENCE. ISSN 0169-4332, 2019, vol. 479, no. 15, pp. 639-645., Registrované v: WOS

ADCA451 KALINAY, Pavol - PERCUS, J.K. Projection of two-dimensional diffusion in a narrow channel onto the longitudinal dimension. In Journal of Chemical Physics, 2005, vol. 122, no. 20, 204701. (2004: 3.105 - IF, karentované - CCC). (2005 - Current Contents, WOS, SCOPUS). ISSN 0021-9606. Dostupné na: <https://doi.org/10.1063/1.1899150>

Citácie:

1. [1.1] ADROVER, Alessandra - PASSARETTI, Chiara - VENDITTI, Claudia - GIONA, Massimiliano. Exact moment analysis of transient dispersion properties in periodic media. In PHYSICS OF FLUIDS. ISSN 1070-6631, 2019, vol. 31, no. 11, 112002., Registrované v: WOS

2. [1.1] ADROVER, Alessandra - VENDITTI, Claudia - GIONA, Massimiliano. Laminar dispersion at low and high Peclet numbers in a sinusoidal microtube: Point-size versus finite-size particles. In PHYSICS OF FLUIDS. ISSN 1070-6631, 2019, vol. 31, no. 6, 062003., Registrované v: WOS

3. [1.1] SIVAN, Matan - FARAGO, Oded. Non-steady-state diffusion in two-dimensional periodic channels. In PHYSICAL REVIEW E. ISSN 2470-0045, 2019, vol. 99, no. 2, 022141., Registrované v: WOS

4. [1.1] *SLANINA, František. Movement of spherical colloid particles carried by flow in tubes of periodically varying diameter. In PHYSICAL REVIEW E. ISSN 2470-0045, 2019, vol. 99, no. 1, 012604., Registrované v: WOS*
- ADCA452 KALINAY, Pavol - MARKOŠ, Peter - ŠAMAJ, Ladislav - TRAVĚNEC, Igor. The Sixth-Moment Sum Rule for the Pair Correlations of the Two-Dimensional One-Component Plasma: Exact Result. In Journal of Statistical Physics, 2000, vol. 98, no. 3-4, p. 639-666. (1999: 1.192 - IF). ISSN 0022-4715.
Citácie:
1. [1.1] *DWIVEDI, Vatsal - KLEVTSOV, Semyon. Geometric responses of the Pfaffian state. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 99, no. 20, UNSP 205158., Registrované v: WOS*
2. [1.1] *WANG, Jie - GERAEDTS, Scott D. - REZAYI, E. H. - HALDANE, F. D. M. Lattice Monte Carlo for quantum Hall states on a torus. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 99, no. 12, 125123., Registrované v: WOS*
- ADCA453 KALINAY, Pavol - PERCUS, J.K. Two definitions of the hopping time in a confined fluid of finite particles. In Journal of Chemical Physics, 2008, vol. 129, no. 15, 154117. (2007: 3.044 - IF, Q1 - JCR, 2.245 - SJR, Q1 - SJR, karentované - CCC). (2008 - Current Contents). ISSN 0021-9606. Dostupné na: <https://doi.org/10.1063/1.2996363>
Citácie:
1. [1.1] *AHMADI, Sheida - SCHMIDT, Marina - SPITERI, Raymond J. - BOWLES, Richard K. The effect of soft repulsive interactions on the diffusion of particles in quasi-one-dimensional channels: A hopping time approach. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2019, vol. 150, no. 22, 224501., Registrované v: WOS*
- ADCA454 KALINAY, Pavol - PERCUS, J.K. Approximations of the generalized Fick-Jacobs equation. In Physical Review E, 2008, vol. 78, no. 2, 021103. (2007: 2.483 - IF, Q1 - JCR, 1.615 - SJR, Q1 - SJR, karentované - CCC). (2008 - Current Contents, WOS, SCOPUS). ISSN 2470-0045. Dostupné na: <https://doi.org/10.1103/PhysRevE.78.021103>
Citácie:
1. [1.1] *YE, Kai - HUANG, Zong-Qiang - WU, Jian-Chun. Transport of Brownian particles controlled by a transversal oscillating force. In PHYSICA SCRIPTA. ISSN 0031-8949, 2019, vol. 94, no. 10, 105206., Registrované v: WOS*
- ADCA455 KALINAY, Pavol** - SLANINA, František. Dimensional reduction of a general advection-diffusion equation in 2D channels. In Journal of Physics: Condensed Matter, 2018, vol. 30, no. 24, 244002. (2017: 2.617 - IF, Q2 - JCR, 0.875 - SJR, Q1 - SJR, karentované - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 0953-8984. Dostupné na: <https://doi.org/10.1088/1361-648X/aac146>
Citácie:
1. [1.1] *AHMADI, Sheida - SCHMIDT, Marina - SPITERI, Raymond J. - BOWLES, Richard K. The effect of soft repulsive interactions on the diffusion of particles in quasi-one-dimensional channels: A hopping time approach. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2019, vol. 150, no. 22, 224501., Registrované v: WOS*
2. [1.1] *MALGARETTI, Paolo - OSHANIN, Gleb - TALBOT, Julian. Special issue on transport in narrow channels. In JOURNAL OF PHYSICS-CONDENSED MATTER. ISSN 0953-8984, 2019, vol. 31, no. 27, 270201., Registrované v: WOS*
- ADCA456 KALINAY, Pavol - PERCUS, J.K. Corrections to the Fick-Jacobs equation. In Physical Review E, 2006, vol. 74, no. 4, 041203. (2005: 2.418 - IF, Q1 - JCR, 1.204 - SJR, Q1 - SJR, karentované - CCC). (2006 - Current Contents, WOS, SCOPUS). ISSN 2470-0045. Dostupné na: <https://doi.org/10.1103/PhysRevE.74.041203>

Citácie:

1. [1.1] ADROVER, Alessandra - PASSARETTI, Chiara - VENDITTI, Claudia - GIONA, Massimiliano. Exact moment analysis of transient dispersion properties in periodic media. In *PHYSICS OF FLUIDS*. ISSN 1070-6631, 2019, vol. 31, no. 11, 112002., Registrované v: WOS
2. [1.1] ADROVER, Alessandra - VENDITTI, Claudia - GIONA, Massimiliano. Laminar dispersion at low and high Peclet numbers in a sinusoidal microtube: Point-size versus finite-size particles. In *PHYSICS OF FLUIDS*. ISSN 1070-6631, 2019, vol. 31, no. 6, 062003., Registrované v: WOS
3. [1.1] BODRENKO, Igor V. - SALIS, Samuele - ACOSTA-GUTIERREZ, Silvia - CECCARELLI, Matteo. Diffusion of large particles through small pores: From entropic to enthalpic transport. In *JOURNAL OF CHEMICAL PHYSICS*. ISSN 0021-9606, 2019, vol. 150, no. 21, 211102., Registrované v: WOS
4. [1.1] KHATRI, Narender - BURADA, P. S. Diffusion of interacting particles in a channel with reflection boundary conditions. In *JOURNAL OF CHEMICAL PHYSICS*. ISSN 0021-9606, 2019, vol. 151, no. 9, 094103., Registrované v: WOS
5. [1.1] KOIRALA, M. - SARMA, R. - CAO, H. - YAMILOV, A. Inverse design of long-range intensity correlation in scattering media. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2019, vol. 100, no. 6, 064203., Registrované v: WOS
6. [1.1] MIGUEL RUBI, J. Entropic diffusion in confined soft-matter and biological systems. In *EPL*. ISSN 0295-5075, 2019, vol. 127, no. 1, 10001., Registrované v: WOS
7. [1.1] SIVAN, Matan - FARAGO, Oded. Non-steady-state diffusion in two-dimensional periodic channels. In *PHYSICAL REVIEW E*. ISSN 2470-0045, 2019, vol. 99, no. 2, 022141., Registrované v: WOS
8. [1.1] SLANINA, Frantisek. Movement of spherical colloid particles carried by flow in tubes of periodically varying diameter. In *PHYSICAL REVIEW E*. ISSN 2470-0045, 2019, vol. 99, no. 1, 012604., Registrované v: WOS
9. [1.1] YANG, Xiang - ZHU, Qian - LIU, Chang - WANG, Wei - LI, Yunyun - MARCHESONI, Fabio - HANGGI, Peter - ZHANG, H. P. Diffusion of colloidal rods in corrugated channels. In *PHYSICAL REVIEW E*. ISSN 2470-0045, 2019, vol. 99, no. 2, 020601., Registrované v: WOS
10. [1.1] YE, Kai - HUANG, Zong-Qiang - WU, Jian-Chun. Transport of Brownian particles controlled by a transversal oscillating force. In *PHYSICA SCRIPTA*. ISSN 0031-8949, 2019, vol. 94, no. 10, 105206., Registrované v: WOS

ADCA457 KALINAY, Pavol. Effective diffusion coefficient in 2D periodic channels. In *Journal of Chemical Physics*, 2014, vol. 141, no. 14, 144101. (2013: 3.122 - IF, Q1 - JCR, 1.532 - SJR, karentované - CCC). (2014 - Current Contents). ISSN 0021-9606. Dostupné na: <https://doi.org/10.1063/1.4897250>

Citácie:

1. [1.1] SIVAN, Matan - FARAGO, Oded. Non-steady-state diffusion in two-dimensional periodic channels. In *PHYSICAL REVIEW E*. ISSN 2470-0045, 2019, vol. 99, no. 2, 022141., Registrované v: WOS

ADCA458 KALINAY, Pavol. Mapping of forced diffusion in quasi-one-dimensional systems. In *Physical Review E*, 2009, vol. 80, no. 3, 031106. (2008: 2.508 - IF, Q1 - JCR, 1.972 - SJR, Q1 - SJR, karentované - CCC). (2009 - Current Contents, WOS, SCOPUS). ISSN 2470-0045. Dostupné na: <https://doi.org/10.1103/PhysRevE.80.031106>

Citácie:

1. [1.1] MIGUEL RUBI, J. Entropic diffusion in confined soft-matter and biological systems. In *EPL*. ISSN 0295-5075, 2019, vol. 127, no. 1, 10001., Registrované v: WOS

ADCA459 KALINAY, Pavol. Calculation of the mean first passage time tested on simple two-

dimensional models. In Journal of Chemical Physics, 2007, vol. 126, no. 19, 194708. (2006: 3.166 - IF, Q1 - JCR, 2.254 - SJR, Q1 - SJR, karentované - CCC). (2007 - Current Contents). ISSN 0021-9606. Dostupné na: <https://doi.org/10.1063/1.2734148>

Citácie:

1. [1.1] AHMADI, Sheida - SCHMIDT, Marina - SPITERI, Raymond J. - BOWLES, Richard K. The effect of soft repulsive interactions on the diffusion of particles in quasi-one-dimensional channels: A hopping time approach. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2019, vol. 150, no. 22, 224501., Registrované v: WOS

- ADCA460 KAMEOKA, Satoshi** - KRAJČÍ, Marián - TSAI, An Pang. Highly selective semi-hydrogenation of acetylene over porous gold with twin boundary defects. In Applied Catalysis A: General, 2019, vol. 569, p. 101 -109. (2018: 4.630 - IF, Q1 - JCR, 1.211 - SJR, Q1 - SJR, karentované - CCC). (2019 - Current Contents). ISSN 0926-860X. Dostupné na: <https://doi.org/10.1016/j.apcata.2018.10.027>

Citácie:

1. [1.1] DENG, Ziliang - LUO, Jun - YUAN, Wenjuan - XI, Wei. Formation and disintegration investigation of fivefold annealing twins in copper nanoparticles. In SCRIPTA MATERIALIA. ISSN 1359-6462, 2019, vol. 169, pp. 42-45., Registrované v: WOS

- ADCA461 KANJAMAPORNKUL, K. - PINČÁK, R. - BARTOŠ, Erik. The study of Thai stock market across the 2008 financial crisis. In Physica A, 2016, vol. 462, p. 117-133. (2015: 1.785 - IF, Q2 - JCR, 0.677 - SJR, Q2 - SJR, karentované - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 0378-4371. Dostupné na: <https://doi.org/10.1016/j.physa.2016.06.078>

Citácie:

1. [1.1] HUA, Jie - HUANG, Maolin - HUANG, Chengshun. Centrality Metrics'; Performance Comparisons on Stock Market Datasets. In SYMMETRY-BASEL, 2019, vol. 11, no. 7, 916., Registrované v: WOS

- ADCA462 KANUCH, T. - MIGLIERINI, M. - LANCOK, A. - ŠVEC, Peter - ILLEKOVÁ, Emília. Influence of cobalt substitution on hyperfine interactions in (Fe(1-x)Co(x))(76)Mo(8)Cu(1)B(15) alloys. In Acta Physica Polonica A, 2008, vol. 113, no. 1, p. 63-66.

Citácie:

1. [1.1] YU, Wanqiu - LU, Liping - ZUO, Bin - HUA, Zhong - XING, Guoliang - WANG, Xinying - WANG, Dandan. Tailoring magnetic characteristics of (Fe_{1-x}Co_x)(81)Zr₉B₁₀ amorphous alloys via engineering crystallization processes. In APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING. ISSN 0947-8396, 2019, vol. 125, no. 9, 636., Registrované v: WOS

- ADCA463 KARKI, Akchheta - WETZELAER, Gert-Jan A. H. - REDDY, Gollapalli Narayana Manjunatha - NÁDAŽDY, Vojtech - SEIFRID, Martin - SCHAUER, Franz - BAZAN, Guillermo C. - CHMELKA, Bradley F. - BLOM, Paul W. M. - NGUYEN, Thuc-Quyen**. Unifying Energetic Disorder from Charge Transport and Band Bending in Organic Semiconductors. In Advanced Functional Materials, 2019, vol. 29, no. 20, art. no. 1901109. (2018: 15.621 - IF, Q1 - JCR, 5.646 - SJR, Q1 - SJR, karentované - CCC). (2019 - Current Contents). ISSN 1616-301X. Dostupné na: <https://doi.org/10.1002/adfm.201901109>

Citácie:

1. [1.1] ATHANASOPOULOS, Stavros - BAESSLER, Heinz - KOEHLER, Anna. Disorder vs Delocalization: Which Is More Advantageous for High-Efficiency Organic Solar Cells? In JOURNAL OF PHYSICAL CHEMISTRY LETTERS. ISSN 1948-7185, 2019, vol. 10, no. 22, pp. 7107-7112., Registrované v: WOS

2. [1.1] HOOD, Samantha - ZARRABI, Nasim - MEREDITH, Paul - KASSAL, Ivan - ARMIN, Ardalan. Measuring Energetic Disorder in Organic Semiconductors Using the Photogenerated Charge-Separation Efficiency. In *JOURNAL OF PHYSICAL CHEMISTRY LETTERS*. ISSN 1948-7185, 2019, vol. 10, no. 14, pp. 3863-3870., Registrované v: WOS

ADCA464 KASHEM, M.M.A. - PERLICH, J. - DIETHERT, A. - WANG, W. - MEMESA, M. - GUTMANN, J.S. - MAJKOVÁ, Eva - ROTH, S.V. - PETRY, W. - MULLER-BUSCHBAUM, P. - CAPEK, Ignác. Array of magnetic nanoparticles via particle Co-operated self-assembly in block copolymer thin film. In *Macromolecules*, 2009, vol. 42, no. 16, p. 6202-6208. ISSN 0024-9297. Dostupné na: <https://doi.org/10.1021/ma900942j>

Citácie:

1. [1.1] HORECHYY, Andriy - NANDAN, Bhanu - STAMM, Manfred. Functional Nanostructured Materials via Self-Assembly of Block Copolymers. In *WORLD SCIENTIFIC REFERENCE OF HYBRID MATERIALS, VOL 1: BLOCK COPOLYMERS*, 2019, vol. 17, pp. 1-44., Registrované v: WOS

ADCA465 KATRYCH, S. - MIHALKOVIČ, Marek - GRAMLICH, V. - WIDOM, M. - STEURER, W. X-ray diffraction study and theoretical calculations on the X-phase, Al-9(Co, Ni)(4). In *Philosophical Magazine*, 2006, vol. 86, no. 3-5, p. 451-456. (2005: 1.470 - IF, Q1 - JCR, 1.086 - SJR, Q1 - SJR). ISSN 1478-6435. Dostupné na: <https://doi.org/10.1080/14786430500268693>

Citácie:

1. [1.1] HAN, Insung - XIAO, Xianghui - SUN, Haiping - SHAHANI, Ashwin J. A side-by-side comparison of the solidification dynamics of quasicrystalline and approximant phases in the Al-Co-Ni system. In *ACTA CRYSTALLOGRAPHICA A-FOUNDATION AND ADVANCES*. ISSN 2053-2733, 2019, vol. 75, pp. 281-296., Registrované v: WOS

2. [1.1] ZHOU, Fei - ZHOU, Yang - WANG, Jun - LIANG, Jiamiao - GAO, Haiyan - KANG, Maodong. Enlightening from gamma, gamma'; and beta phase transformations in Al-Co-Ni alloy system: A review. In *CURRENT OPINION IN SOLID STATE & MATERIALS SCIENCE*. ISSN 1359-0286, 2019, vol. 23, no. 6, UNSP 100784., Registrované v: WOS

ADCA466 KAVETSKYY, T. - NOWAK, B. - BORC, J. - RUSNÁK, Jaroslav - ŠAUŠA, Ondrej - STEPANOV, A.L. Carbonization in boron-ion-implanted polymethylmethacrylate as revealed from Raman spectroscopy and electrical measurements. In *Spectroscopy Letters : An International Journal for Rapid Communication*, 2016, vol. 49, no. 1, p. 5-10. (2015: 0.885 - IF, Q3 - JCR, 0.263 - SJR, Q3 - SJR, karentované - CCC). (2016 - Current Contents). ISSN 0038-7010. Dostupné na: <https://doi.org/10.1080/00387010.2015.1044113>

Citácie:

1. [1.1] SHARMA, Ambika - CHAWLA, Mahak - GUPTA, Divya - KUMARI, Rimpi - BURA, Manu - SHEKHAWAT, Nidhi - AGGARWAL, Sanjeev. Low energy B+ implantation induced optical and structural characteristics of aliphatic and aromatic polymers. In *VACUUM*. ISSN 0042-207X, 2019, vol. 159, pp. 306-314., Registrované v: WOS

ADCA467 KAVETSKYY, T. - TSMOTS, V. - KINOMURA, A. - KOBAYASHI, Y. - SUZUKI, R. - MOHAMED, H.F.M. - ŠAUŠA, Ondrej - NUZH DIN, V. - VALEEV, V. - STEPANOV, A.L. Structural defects and positronium formation in 40 keV B+-implanted polymethylmethacrylate. In *Journal of Physical Chemistry B*, 2014, vol. 118, no. 15, p. 4194-4200. (2013: 3.377 - IF, Q2 - JCR, 1.494 - SJR, karentované - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1520-6106. Dostupné na: <https://doi.org/10.1021/jp410763t>

Citácie:

1. [1.1] HERVIEUX, Paul-Antoine - CHAKRABORTY, Anzumaan R. - CHAKRABORTY, Himadri S. Molecular-size effects on diffraction resonances in positronium formation from fullerenes. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2019, vol. 100, no. 4, 042701., Registrované v: WOS

2. [1.1] HERVIEUX, Paul-Antoine - CHAKRABORTY, Himadri S. Strongly resolved diffraction resonances in positronium formation from C-60 in forward direction. In *EUROPEAN PHYSICAL JOURNAL D*. ISSN 1434-6060, 2019, vol. 73, no. 12, 262., Registrované v: WOS

- ADCA468 KAVETSKYY, T.S. - TSMOTS, V.M. - ŠAUŠA, Ondrej - STEPANOV, A.L. On the application of methods of positron annihilation spectroscopy for studying radiation-stimulated processes in chalcogenide glassy semiconductors. In *Semiconductors*, 2014, vol. 48, no. 1, p. 9-12. (2013: 0.705 - IF, Q4 - JCR, 0.436 - SJR, karentované - CCC). (2014 - Current Contents). ISSN 1063-7826. Dostupné na: <https://doi.org/10.1134/S1063782614010151>

Citácie:

1. [1.1] KUROCHKA, K. V. - MELNIKOVA, N. V. - ALIKIN, D. O. - KURENNYKH, T. E. Irradiation effect on the structural and electrical properties of the glassy Ag-Ge-As-S composite material containing carbon nanotubes. In *SOLID STATE IONICS*. ISSN 0167-2738, 2019, vol. 341, USNP 115026., Registrované v: WOS

- ADCA469 KAVETSKYY, Taras** - SMUTOK, Oleh - GONCHAR, Mykhailo - DEMKIV, Olha - KLEPACH, Halyna - KUKHAZH, Yuliia - ŠAUŠA, Ondrej - PETKOVA, Tamara - BOEV, Victor - ILCHEVA, Vania - PETKOV, Plamen - STEPANOV, Andrey L. Laccase-containing ureasil-polymer composite as the sensing layer of an amperometric biosensor. In *Journal of Applied Polymer Science*, 2017, vol. 134, no. 36, art. no. 45278. (2016: 1.860 - IF, Q2 - JCR, 0.588 - SJR, Q1 - SJR, karentované - CCC). (2017 - Current Contents). ISSN 0021-8995. Dostupné na: <https://doi.org/10.1002/app.45278>

Citácie:

1. [1.1] KUCHERENKO, I. S. - SOLDATKIN, O. O. - KUCHERENKO, D. Yu - SOLDATKINA, O. - DZYADEVYCH, S. Advances in nanomaterial application in enzyme-based electrochemical biosensors: a review. In *NANOSCALE ADVANCES*. ISSN 2516-0230, 2019, vol. 1, no. 12, pp. 4560-4577., Registrované v: WOS

- ADCA470 KAWAMURA, M. - ONO, K. - STAŇO, Peter - KONO, K. - AONO, T. Electronic magnetization of a quantum point contact measured by nuclear magnetic resonance. In *Physical Review Letters*, 2015, vol. 115, no. 3, 036601. (2014: 7.512 - IF, Q1 - JCR, 5.232 - SJR, Q1 - SJR, karentované - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.115.036601>

Citácie:

1. [1.1] BRUN, B. - MARTINS, F. - FANIEL, S. - CAVANNA, A. - ULYSSE, C. - OUEGHI, A. - GENNSER, U. - MAILLY, D. - SIMON, P. - HUANT, S. - SANQUER, M. - SELLIER, H. - BAYOT, V. - HACKENS, B. Thermoelectric Scanning-Gate Interferometry on a Quantum Point Contact. In *PHYSICAL REVIEW APPLIED*. ISSN 2331-7019, 2019, vol. 11, no. 3, 034069., Registrované v: WOS

- ADCA471 KECKES, J. - DANIEL, R. - MITTERER, C. - MAŤKO, Igor - SARTORY, B. - KOEPF, A. - WEISSENBACHER, R. - PITONAK, R. Self-organized periodic soft-hard nanolamellae in polycrystalline TiAlN thin films. In *Thin Solid Films*, 2013, vol. 545, p. 29-32. (2012: 1.604 - IF, Q2 - JCR, 0.897 - SJR, Q1 - SJR, karentované -

CCC). (2013 - Current Contents). ISSN 0040-6090. Dostupné na:
<https://doi.org/10.1016/j.tsf.2013.08.001>

Citácie:

1. [1.1] MALVAJERDI, Shahab Sharifi - MALVAJERDI, Ahmad Sharifi - GHANAATSHOAR, Majid - HABIBI, Morteza - JAHDI, Hassan. *TiCrN-TiAlN-TiAlSiN-TiAlSiCN multi-layers utilized to increase tillage tools useful lifetime. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2019, vol. 9, 19101., Registrované v: WOS*
2. [1.1] SARINGER, Christian - TKADLETZ, Michael - STARK, Andreas - SCHELL, Norbert - CZETTL, Christoph - SCHALK, Nina. *In-situ investigation of the oxidation behavior of metastable CVD-Ti_{1-x}Al_xN using a novel combination of synchrotron radiation XRD and DSC. In SURFACE & COATINGS TECHNOLOGY. ISSN 0257-8972, 2019, vol. 374, pp. 617-624., Registrované v: WOS*
3. [1.1] UNY, Florent - ACHACHE, Sofiane - LAMRI, Salim - GHANBAJA, Jaafar - FISCHER, Evelyne - PONS, Michel - BLANQUET, Elisabeth - SCHUSTER, Frederic - SANCHETTE, Frederic. *Deposition and characterization of (Ti, Al)N coatings deposited by thermal LPCVD in an industrial reactor. In SURFACE & COATINGS TECHNOLOGY. ISSN 0257-8972, 2019, vol. 358, pp. 923-933., Registrované v: WOS*

- ADCA472 KEKSIS, A.L. - MAY, L.W. - SOULIOTIS, G.A. - VESELSKÝ, Martin - GALANOPOULOS, S. - KOHLEY, Z. - SHETTY, D.V. - SOISSON, S.N. - STEIN, B.C. - TRIPATHI, R. - WUENSCHER, S. - YENNELLO, S.J. - LI, B.A. Experimental studies of N/Z equilibration in peripheral collisions using fragment yield ratios. In Physical Review C, 2010, vol. 81, no. 5, 054602. (2009: 3.477 - IF, 2.222 - SJR, Q1 - SJR, karentované - CCC). (2010 - Current Contents, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.81.054602>

Citácie:

1. [1.1] MCINTOSH, Alan B. - YENNELLO, Sherry J. *Interplay of neutron-proton equilibration and nuclear dynamics. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2019, vol. 108, UNSP 103707., Registrované v: WOS*

- ADCA473 KERNER, L. - GMUCOVÁ, Katarína - KOŽÍŠEK, J. - PETŘÍČEK, V. - PUTALA, M. Easily oxidizable triarylamine materials with naphthalene and binaphthalene core: structure-properties relationship. In Tetrahedron, 2016, vol. 72, no. 44, p. 7081-7092. (2015: 2.645 - IF, Q2 - JCR, 0.941 - SJR, Q1 - SJR, karentované - CCC). (2016 - Current Contents). ISSN 0040-4020. Dostupné na: <https://doi.org/10.1016/j.tet.2016.09.063>

Citácie:

1. [1.1] AGESHINA, Alexandra A. - STERLIGOV, Grigorii K. - RZHEVSKIY, Sergey A. - TOPCHIIY, Maxim A. - CHESNOKOV, Gleb A. - GRIBANOV, Pavel S. - MELNIKOVA, Elizaveta K. - NECHAEV, Mikhail S. - ASACHENKO, Andrey F. - BERMESHEV, Maxim V. *Mixed er-NHC/phosphine Pd(ii) complexes and their catalytic activity in the Buchwald-Hartwig reaction under solvent-free conditions. In DALTON TRANSACTIONS. ISSN 1477-9226, 2019, vol. 48, no. 10, pp. 3447-3452., Registrované v: WOS*

- ADCA474 KHODABAKHSHI, F.** - GERLICH, A.P. - ŠVEC, Peter. Reactive friction-stir processing of an Al-Mg alloy with introducing multi-walled carbon nano-tubes (MW-CNTs): Microstructural characteristics and mechanical properties. In Materials Characterization, 2017, vol. 131, p. 359-373. (2016: 2.714 - IF, Q1 - JCR, 1.222 - SJR, Q1 - SJR, karentované - CCC). (2017 - Current Contents). ISSN 1044-5803. Dostupné na: <https://doi.org/10.1016/j.matchar.2017.07.027>

Citácie:

1. [1.1] JAIN, Vikram Kumar S. - YAZAR, K. U. - MUTHUKUMARAN, S. *Development and characterization of Al5083-CNTs/SiC composites via friction stir processing. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2019, vol. 798, pp. 82-92., Registrované v: WOS*
2. [1.1] MUZAMIL, Muhammad - WU, Jianjun - AKHTAR, Maaz - ZHANG, Zengkun - MAJEED, Arfan - YANG, Junzhou. *Modified TIG Welding Joint Process: An Approach to Improve Microstructure and Fracto-Mechanical Behavior by MWCNTs Inducement in Al-Mg-Si Alloy. In MATERIALS. ISSN 1996-1944, 2019, vol. 12, no. 9, 1441., Registrované v: WOS*
3. [1.1] SHARMA, Abhishek - NARSIMHACHARY, Damanapeta - SHARMA, Vyas Mani - SAHOO, Baidehish - PAUL, Jinu. *Surface modification of Al6061-SiC surface composite through impregnation of graphene, graphite & carbon nanotubes via FSP: A tribological study. In SURFACE & COATINGS TECHNOLOGY. ISSN 0257-8972, 2019, vol. 368, pp. 175-191., Registrované v: WOS*
4. [1.1] SHARMA, Sanjay - HANDA, Amit - SINGH, Sahib Sartaj - VERMA, Deepak. *Synthesis of a novel hybrid nanocomposite of AZ31Mg-Graphene-MWCNT by multi-pass friction stir processing and evaluation of mechanical properties. In MATERIALS RESEARCH EXPRESS. ISSN 2053-1591, 2019, vol. 6, no. 12, 126531., Registrované v: WOS*
5. [1.1] SPADA, Vedrana - STANIC, Davor - BRNARDIC, Ivan. *INVESTIGATION OF THE MECHANICAL PROPERTIES OF AlSi9Cu3(Fe)/MWCNT NANOCOMPOSITES PREPARED BY HPDC. In MATERIALI IN TEHNOLOGIJE. ISSN 1580-2949, 2019, vol. 53, no. 4, pp. 601-606., Registrované v: WOS*
6. [1.1] TEKIYEH, Ramin Mehdizad - NAJAFI, Mohsen - SHAHRAKI, Saeid. *Machinability of AA7075-T6/carbon nanotube surface composite fabricated by friction stir processing. In PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART E-JOURNAL OF PROCESS MECHANICAL ENGINEERING. ISSN 0954-4089, 2019, vol. 233, no. 4, pp. 839-848., Registrované v: WOS*
7. [1.1] TURAN, Muhammet Emre. *Investigation of mechanical properties of carbonaceous (MWCNT, GNPs and C60) reinforced hot-extruded aluminum matrix composites. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2019, vol. 788, pp. 352-360., Registrované v: WOS*
8. [1.1] YAQOOB, Basit - PASHA, Riffat Asim - AWANG, Mokhtar - NASIR, Muhammad Ali - HUSSAIN, Azhar - NAZIR, Kamran. *Comparison of Mixing Strategies and Hybrid Ratio Optimization for Mechanical Properties Enhancement of Al-CeO₂-GNP's Metal Matrix Composite Fabricated by Friction Stir Processing. In METALLOGRAPHY MICROSTRUCTURE AND ANALYSIS. ISSN 2192-9262, 2019, vol. 8, no. 4, pp. 534-544., Registrované v: WOS*
9. [1.1] ZHANG, Baicheng - BI, Guijun - CHEW, Youxiang - WANG, Pei - MA, Guangyi - LIU, Yongfeng - MOON, Seung Ki. *Comparison of carbon-based reinforcement on laser aided additive manufacturing Inconel 625 composites. In APPLIED SURFACE SCIENCE. ISSN 0169-4332, 2019, vol. 490, pp. 522-534., Registrované v: WOS*
10. [1.1] ZHANG, Z. Y. - GUO, Y. H. - ZHAO, Y. T. - CHEN, G. - WU, J. L. - LIU, M. P. *Effect of reinforcement spatial distribution on mechanical properties of MgO/ZK60 nanocomposites by powder metallurgy. In MATERIALS CHARACTERIZATION. ISSN 1044-5803, 2019, vol. 150, pp. 229-235.,*

Fabrication of a new Al-Mg/graphene nanocomposite by multi-pass friction-stir processing: Dispersion, microstructure, stability, and strengthening. In *Materials Characterization*, 2017, vol. 132, p. 92-107. (2016: 2.714 - IF, Q1 - JCR, 1.222 - SJR, Q1 - SJR, karentované - CCC). (2017 - Current Contents). ISSN 1044-5803. Dostupné na: <https://doi.org/10.1016/j.matchar.2017.08.009>

Citácie:

1. [1.1] ABBASI, M. - GIVI, M. - RAMAZANI, A. *Friction stir vibration processing: a new method to improve the microstructure and mechanical properties of Al5052/SiC surface nanocomposite layer. In INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY. ISSN 0268-3768, 2019, vol. 100, no. 5-8, pp. 1463-1473., Registrované v: WOS*
2. [1.1] ADETUNLA, Adedotun - AKINLABI, Esther. *Influence of reinforcements in friction stir processed magnesium alloys: insight in medical applications. In MATERIALS RESEARCH EXPRESS. ISSN 2053-1591, 2019, vol. 6, no. 2, 025406., Registrované v: WOS*
3. [1.1] KHAN, Mahmood - DIN, Rafi Ud - WADOOD, Abdul - SYED, Wilayat Husain - AKHTAR, Shahid - AUNE, Ragnhild Elizabeth. *Effect of graphene nanoplatelets on the physical and mechanical properties of Al6061 in fabricated and T6 thermal conditions. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2019, vol. 790, pp. 1076-1091., Registrované v: WOS*
4. [1.1] LI, Kan - LIU, Xuemei - ZHAO, Yi. *Research Status and Prospect of Friction Stir Processing Technology. In COATINGS. ISSN 2079-6412, 2019, vol. 9, no. 2, 129., Registrované v: WOS*
5. [1.1] LI, Yan - FENG, Zuying - HUANG, Lijing - ESSA, Khamis - BILOTTI, Emiliano - ZHANG, Han - PEIJS, Ton - HAO, Liang. *Additive manufacturing high performance graphene-based composites: A review. In COMPOSITES PART A-APPLIED SCIENCE AND MANUFACTURING. ISSN 1359-835X, 2019, vol. 124, UNSP 105483., Registrované v: WOS*
6. [1.1] NAGHSHEHKESH, Nastaran - MOUSAVII, Seyed Elias - KARIMZADEH, Fathallah - ASHRAFI, Ali - NOSKO, Martin - TREMBOSOVA, Veronika - SADEGHI, Behzad. *Effect of graphene oxide and friction stir processing on microstructure and mechanical properties of Al5083 matrix composite. In MATERIALS RESEARCH EXPRESS. ISSN 2053-1591, 2019, vol. 6, no. 10, 106566., Registrované v: WOS*
7. [1.1] NASEER, Abqaat - AHMAD, Faiz - ASLAM, Muhammad - GUAN, Beh Hoe - HARUN, Wan Sharuzi Wan - MUHAMAD, Norhamidi - RAZA, Muhammad Rafi - GERMAN, Randall M. *A review of processing techniques for graphene-reinforced metal matrix composites. In MATERIALS AND MANUFACTURING PROCESSES. ISSN 1042-6914, 2019, vol. 34, no. 9, pp. 957-985., Registrované v: WOS*
8. [1.1] SHARMA, Abhishek - NARSIMHACHARY, Damanapeta - SHARMA, Vyas Mani - SAHOO, Baidehish - PAUL, Jinu. *Surface modification of Al6061-SiC surface composite through impregnation of graphene, graphite & carbon nanotubes via FSP: A tribological study. In SURFACE & COATINGS TECHNOLOGY. ISSN 0257-8972, 2019, vol. 368, pp. 175-191., Registrované v: WOS*
9. [1.1] SHARMA, Abhishek - SHARMA, Vyas Mani - PAUL, Jinu. *A comparative study on microstructural evolution and surface properties of graphene/CNT reinforced Al6061-SiC hybrid surface composite fabricated via friction stir processing. In TRANSACTIONS OF NONFERROUS METALS SOCIETY OF*

CHINA. ISSN 1003-6326, 2019, vol. 29, no. 10, pp. 2005-2026., Registrované v: WOS

10. [1.1] SHARMA, Abhishek - SHARMA, Vyas Mani - SAHOO, Baidehish - PAL, Surjya Kanta - PAUL, Jinu. Effect of multiple micro channel reinforcement filling strategy on Al6061-graphene nanocomposite fabricated through friction stir processing. In JOURNAL OF MANUFACTURING PROCESSES. ISSN 1526-6125, 2019, vol. 37, pp. 53-70., Registrované v: WOS

11. [1.1] YAQOOB, Basit - PASHA, Riffat Asim - AWANG, Mokhtar - NASIR, Muhammad Ali - HUSSAIN, Azhar - NAZIR, Kamran. Comparison of Mixing Strategies and Hybrid Ratio Optimization for Mechanical Properties Enhancement of Al-CeO₂-GNP's Metal Matrix Composite Fabricated by Friction Stir Processing. In METALLOGRAPHY MICROSTRUCTURE AND ANALYSIS. ISSN 2192-9262, 2019, vol. 8, no. 4, pp. 534-544., Registrované v: WOS

12. [1.1] ZHAO, Zhanyong - BAI, Peikang - MISRA, R. D. K. - DONG, Mengyao - GUAN, Renguo - LI, Yanjun - ZHANG, Jiaoxia - TAN, Le - GAO, Jianfeng - DING, Tao - DU, Wenbo - GUO, Zhanhu. AlSi10Mg alloy nanocomposites reinforced with aluminum-coated graphene: Selective laser melting, interfacial microstructure and property analysis. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2019, vol. 792, pp. 203-214., Registrované v: WOS

ADCA476 KHODABAKHSHI, F.** - GERLICH, A.P. - ŠVEC, Peter. Fabrication of a high strength ultra-fine grained Al-Mg-SiC nanocomposite by multi-step friction-stir processing. In Materials Science and Engineering A - Structural Materials Properties Microstructure and Processing, 2017, vol. 698, p. 313-325. (2016: 3.094 - IF, Q1 - JCR, 1.669 - SJR, Q1 - SJR, karentované - CCC). (2017 - Current Contents). ISSN 0921-5093. Dostupné na: <https://doi.org/10.1016/j.msea.2017.05.065>

Citácie:

1. [1.1] ACUNA, R. - CRISTOBAL, M. J. - ABREU, C. M. - CABEZA, M. Microstructure and Wear Properties of Surface Composite Layer Produced by Friction Stir Processing (FSP) in AA2024-T351 Aluminum Alloy. In METALLURGICAL AND MATERIALS TRANSACTIONS A-PHYSICAL METALLURGY AND MATERIALS SCIENCE. ISSN 1073-5623, 2019, vol. 50A, no. 6, pp. 2860-2874., Registrované v: WOS

2. [1.1] GIRISH, G. - ANANDAKRISHNAN, V. Investigations on microstructural and texture evolution during recursive friction stir processing of aluminium 7075 alloy. In MATERIALS RESEARCH EXPRESS. ISSN 2053-1591, 2019, vol. 6, no. 12., Registrované v: WOS

3. [1.1] HANGAI, Yoshihiko - MATSUSHITA, Hayato - SUZUKI, Ryosuke - KOYAMA, Shinji - AMAGAI, Kenji - NAGAHIRO, Ryohei - UTSUNOMIYA, Takao - MATSUBARA, Masaaki - YOSHIKAWA, Nobuhiro. Refoaming of deformed aluminum foam by precursor foaming process. In JOURNAL OF POROUS MATERIALS. ISSN 1380-2224, 2019, vol. 26, no. 4, pp. 1149-1155., Registrované v: WOS

4. [1.1] HANGAI, Yoshihiko - OHASHI, Masataka - NAGAHIRO, Ryohei - AMAGAI, Kenji - UTSUNOMIYA, Takao - YOSHIKAWA, Nobuhiro. Press Forming of Aluminum Foam during Foaming of Precursor. In MATERIALS TRANSACTIONS. ISSN 1345-9678, 2019, vol. 60, no. 11, pp. 2464-2469., Registrované v: WOS

5. [1.1] KHORRAMI, M. Sarkari - SAITO, N. - MIYASHITA, Y. - KONDO, M. Texture variations and mechanical properties of aluminum during severe plastic deformation and friction stir processing with SiC nanoparticles. In MATERIALS

SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING. ISSN 0921-5093, 2019, vol. 744, pp. 349-364., Registrované v: WOS

6. [1.1] LI, Kan - LIU, Xuemei - ZHAO, Yi. *Research Status and Prospect of Friction Stir Processing Technology. In COATINGS. ISSN 2079-6412, 2019, vol. 9, no. 2, 129., Registrované v: WOS*

7. [1.1] PRASAD REDDY, A. - VAMSI KRISHNA, P. - RAO, R. N. *Tribological Behaviour of Al6061-2SiC-xGr Hybrid Metal Matrix Nanocomposites Fabricated through Ultrasonically Assisted Stir Casting Technique. In SILICON. ISSN 1876-990X, 2019, vol. 11, no. 6, pp. 2853-2871., Registrované v: WOS*

8. [1.1] SEVVEL, P. - SATHEESH, C. - JAIGANESH, V. *Influence of tool rotational speed on microstructural characteristics of dissimilar Mg alloys during friction stir welding. In TRANSACTIONS OF THE CANADIAN SOCIETY FOR MECHANICAL ENGINEERING. ISSN 0315-8977, 2019, vol. 43, no. 1, pp. 132-141., Registrované v: WOS*

9. [1.1] SHARMA, Abhishek - NARSIMHACHARY, Damanapeta - SHARMA, Vyas Mani - SAHOO, Baidehish - PAUL, Jinu. *Surface modification of Al6061-SiC surface composite through impregnation of graphene, graphite & carbon nanotubes via FSP: A tribological study. In SURFACE & COATINGS TECHNOLOGY. ISSN 0257-8972, 2019, vol. 368, pp. 175-191., Registrované v: WOS*

10. [1.1] ZHANG, W. Y. - DU, Y. H. - ZHANG, P. - WANG, Y. J. *Air-isolated stir casting of homogeneous Al-SiC composite with no air entrapment and Al4C3. In JOURNAL OF MATERIALS PROCESSING TECHNOLOGY. ISSN 0924-0136, 2019, vol. 271, pp. 226-236., Registrované v: WOS*

11. [1.1] ZHANG, W. Y. - DU, Y. H. - ZHANG, P. *Vortex-free stir casting of Al-1.5 wt% Si-SiC composite. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2019, vol. 787, pp. 206-215., Registrované v: WOS*

12. [1.1] ZHANG, Z. Y. - YANG, R. - CHEN, G. - ZHU, Q. - ZHAO, Y. T. - CHEN, F. - WANG, C. L. *Hierarchical microstructure and mechanical properties of extruded ZrB2/2024Al nanocomposite. In MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING. ISSN 0921-5093, 2019, vol. 761, 138041., Registrované v: WOS*

ADCA477 KHODABAKHSHI, F. - SIMCHI, A. - KOKABI, A.H. - ŠVEC, Peter - SIMANČÍK, František - GERLICH, A.P. *Effects of nanometric inclusions on the microstructural characteristics and strengthening of a friction-stir processed aluminum-magnesium alloy. In Materials Science and Engineering A - Structural Materials Properties Microstructure and Processing, 2015, vol. 642, p. 215-229. (2014: 2.567 - IF, Q1 - JCR, 2.235 - SJR, Q1 - SJR, karentované - CCC). (2015 - Current Contents). ISSN 0921-5093. Dostupné na: <https://doi.org/10.1016/j.msea.2015.06.081>*

Citácie:

1. [1.1] KHOJASTEHNEZHAD, Vahid M. - POURASL, Hamed H. - BARENJI, Reza Vatankhah. *Effect of tool pin profile on the microstructure and mechanical properties of friction stir processed Al6061/Al2O3-TiB2 surface hybrid composite layer. In PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART L-JOURNAL OF MATERIALS-DESIGN AND APPLICATIONS. ISSN 1464-4207, 2019, vol. 233, no. 5, pp. 900-912., Registrované v: WOS*

2. [1.1] RANA, Harikrishna - BADHEKA, Vishvesh. *Elucidation of the role of rotation speed and stirring direction on AA 7075-B4C surface composites formulated by friction stir processing. In PROCEEDINGS OF THE*

INSTITUTION OF MECHANICAL ENGINEERS PART L-JOURNAL OF MATERIALS-DESIGN AND APPLICATIONS. ISSN 1464-4207, 2019, vol. 233, no. 5, pp. 977-994., Registrované v: WOS

3. [1.1] ZHANG, Z. Y. - GUO, Y. H. - ZHAO, Y. T. - CHEN, G. - WU, J. L. - LIU, M. P. *Effect of reinforcement spatial distribution on mechanical properties of MgO/ZK60 nanocomposites by powder metallurgy. In MATERIALS CHARACTERIZATION. ISSN 1044-5803, 2019, vol. 150, pp. 229-235., Registrované v: WOS*

ADCA478 KHODABAKHSHI, F.** - SIMCHI, A. - KOKABI, A.H. - GERLICH, A.P. - NOSKO, Martin - ŠVEC, Peter. *Influence of hard inclusions on microstructural characteristics and textural components during dissimilar friction-stir welding of an PM Al–Al₂O₃–SiC hybrid nanocomposite with AA1050 alloy. In Science and Technology of Welding and Joining, 2017, vol. 22, no. 5, p. 412-427. (2016: 2.050 - IF, Q1 - JCR, 1.529 - SJR, Q1 - SJR, karentované - CCC). (2017 - Current Contents). ISSN 1362-1718. Dostupné na: <https://doi.org/org/10.1080/13621718.2016.1251714>*

Citácie:

1. [1.1] MOHAMMED, Sameer - BIRRU, Anil Kumar. *Friction Stir Welding of AA6082 Thin Aluminium Alloy Reinforced with Al₂O₃ Nanoparticles. In TRANSACTIONS OF THE INDIAN CERAMIC SOCIETY. ISSN 0371-750X, 2019, vol. 78, no. 3, pp. 137-145., Registrované v: WOS*

2. [1.1] PANDEY, Ankit Kumar - NAYAK, Kanhu Charan - MAHAPATRA, S. S. *Characterization of friction stir spot welding between copper and poly-methyl-methacrylate (PMMA) sheet. In MATERIALS TODAY COMMUNICATIONS. ISSN 2352-4928, 2019, vol. 19, pp. 131-139., Registrované v: WOS*

3. [1.1] SAHU, Santosh K. - PAL, Kamal - MAHTO, Raju P. - DASH, Padmanav. *Monitoring of friction stir welding for dissimilar Al 6063 alloy to polypropylene using sensor signals. In INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY. ISSN 0268-3768, 2019, vol. 104, no. 1-4, pp. 159-177., Registrované v: WOS*

4. [1.1] SEVVEL, P. - SATHEESH, C. - JAIGANESH, V. *Influence of tool rotational speed on microstructural characteristics of dissimilar Mg alloys during friction stir welding. In TRANSACTIONS OF THE CANADIAN SOCIETY FOR MECHANICAL ENGINEERING. ISSN 0315-8977, 2019, vol. 43, no. 1, pp. 132-141., Registrované v: WOS*

ADCA479 KHODABAKHSHI, F. - SIMCHI, A. - KOKABI, A.H. - NOSKO, Martin - SIMANČÍK, František - ŠVEC, Peter. *Microstructure and texture development during friction stir processing of Al-Mg alloy sheets with TiO₂ nanoparticles. In Materials Science and Engineering A - Structural Materials Properties Microstructure and Processing, 2014, vol.605, no. 5, p. 108-118. (2013: 2.409 - IF, Q1 - JCR, 1.879 - SJR, karentované - CCC). (2014 - Current Contents). ISSN 0921-5093. Dostupné na: <https://doi.org/10.1016/j.msea.2014.03.008>*

Citácie:

1. [1.1] ABRAHAM, Sahayam Joyson - DINAHARAN, Isaac - SELVAM, Jebaraj David Raja - AKINLABI, Esther Titilayo. *Microstructural Characterization and Tensile Behavior of Rutile (TiO₂)-Reinforced AA6063 Aluminum Matrix Composites Prepared by Friction Stir Processing. In ACTA METALLURGICA SINICA-ENGLISH LETTERS. ISSN 1006-7191, 2019, vol. 32, no. 1, pp. 52-62., Registrované v: WOS*

2. [1.1] AZARNIYA, Amir - AZARNIYA, Abolfazl - ABDOLLAH-ZADEH, Amir - HOSSEINI, Hamid Reza Madaah - RAMAKRISHNA, Seeram. *In Situ Hybrid Aluminum Matrix Composites: A Review of Phase Transformations and Mechanical Aspects. In ADVANCED ENGINEERING MATERIALS. ISSN 1438-*

1656, 2019, vol. 21, no. 7, 1801269., Registrované v: WOS

3. [1.1] AZIZIEH, M. - POURMODHEJI, R. - LARKI, A. N. - DEZFULI, M. A. G. - REZAEI, A. - KIM, H. S. Effect of multi-pass friction stir processing on the microstructure and hardness of AA1100/Al13Fe4 in situ composites. In MATERIALS RESEARCH EXPRESS. ISSN 2053-1591, 2019, vol. 6, no. 4, 046558., Registrované v: WOS

4. [1.1] KHORRAMI, M. Sarkari - SAITO, N. - MIYASHITA, Y. - KONDO, M. Texture variations and mechanical properties of aluminum during severe plastic deformation and friction stir processing with SiC nanoparticles. In MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING. ISSN 0921-5093, 2019, vol. 744, pp. 349-364., Registrované v: WOS

5. [1.1] KUMAR, P. - THAKUR, L. - BHADOURIA, N. - DIXIT, S. Microstructure and mechanical behaviour of friction stir processed AZ91-D magnesium alloy optimization of process parameters by using the Taguchi method. In KOVOVE MATERIALY-METALLIC MATERIALS. ISSN 0023-432X, 2019, vol. 57, no. 3, pp. 207-217., Registrované v: WOS

6. [1.1] MORADI, Mohammad Mahdi - AVAL, Hamed Jamshidi - JAMAATI, Roohollah - AMIRKHANLOU, Sajjad - JI, Shouxun. Effect of SiC nanoparticles on the microstructure and texture of friction stir welded AA2024/AA6061. In MATERIALS CHARACTERIZATION. ISSN 1044-5803, 2019, vol. 152, pp. 169-179., Registrované v: WOS

7. [1.1] VAHEDI, F. - ZAREI-HANZAKI, A. - SALANDARI-RABORI, A. - RAZAGHIAN, A. - ABEDI, H. R. - MINARIK, P. Texture evolution and wear properties of a frictionally stir processed magnesium matrix composite reinforced by micro graphite and nano graphene particles. In MATERIALS RESEARCH EXPRESS. ISSN 2053-1591, 2019, vol. 6, no. 10, 1065c6., Registrované v: WOS

8. [1.2] SINGLA, Shivali - KANG, Amardeep Singh - SIDHU, T. S. Characterization and electrochemical corrosion behaviour of FSPed WE43/nano-SiC surface composite. In Materials Today: Proceedings, 2019-01-01, 26, pp. 3138-3144., Registrované v: SCOPUS

9. [1.2] VAHEDI, F. - ZAREI-HANZAKI, A. - SALANDARI-RABORI, A. - RAZAGHIAN, A. - ABEDI, H. R. - MINARIK, P. Texture evolution and wear properties of a frictionally stir processed magnesium matrix composite reinforced by micro graphite and nano graphene particles. In Materials Research Express, 2019-09-11, 6, 10, pp., Registrované v: SCOPUS

ADCA480 KHODABAKHSHI, Farzad - SIMCHI, Abdolreza - KOKABI, Amirhossein - NOSKO, Martin - ŠVEC, Peter. Strain rate sensitivity, work hardening, and fracture behavior of an Al-Mg TiO₂ nanocomposite Prepared by friction stir processing. In Metallurgical and materials transactions A : physical metallurgy and materials science, 2014, vol. 45A, no. 9, p. 4073-4088. (2013: 1.730 - IF, Q1 - JCR, 1.481 - SJR, karentované - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1073-5623. Dostupné na: <https://doi.org/10.1007/s11661-014-2330-1>

Citácie:

1. [1.1] AZARNIYA, Amir - AZARNIYA, Abolfazl - ABDOLLAH-ZADEH, Amir - HOSSEINI, Hamid Reza Madaah - RAMAKRISHNA, Seeram. In Situ Hybrid Aluminum Matrix Composites: A Review of Phase Transformations and Mechanical Aspects. In ADVANCED ENGINEERING MATERIALS. ISSN 1438-1656, 2019, vol. 21, no. 7, 1801269., Registrované v: WOS

2. [1.1] JAIN, Vikram Kumar S. - MUTHUKUMARAN, S. Influence of SiC Content on Microstructure and Tribological Properties of Friction Stir-Processed SiC/AA5083 Surface Composites. In METALLURGICAL AND MATERIALS

TRANSACTIONS A-PHYSICAL METALLURGY AND MATERIALS SCIENCE. ISSN 1073-5623, 2019, vol. 50A, no. 6, pp. 2933-2944., Registrované v: WOS
 3. [1.1] ZHANG, Z. Y. - GUO, Y. H. - ZHAO, Y. T. - CHEN, G. - WU, J. L. - LIU, M. P. *Effect of reinforcement spatial distribution on mechanical properties of MgO/ZK60 nanocomposites by powder metallurgy. In MATERIALS CHARACTERIZATION. ISSN 1044-5803, 2019, vol. 150, pp. 229-235., Registrované v: WOS*

- ADCA481 KIM, M.S. - BUŽEK, Vladimír. Schrodinger-cat states at finite temperature-influence of a finite-temperature heat bath on quantum interferences. In *Physical Review A*, 1992, vol. 46, no. 7, p. 4239-4251. ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.46.4239>

Citácie:

1. [1.1] ASSEMAT, F. - GROSSO, D. - SIGNOLES, A. - FACON, A. - DOTSENKO, I - HAROCHE, S. - RAIMOND, J. M. - BRUNE, M. - GLEYZES, S. *Quantum Rabi Oscillations in Coherent and in Mesoscopic Cat Field States. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 123, no. 14, 143605., Registrované v: WOS*

2. [1.1] BRAASCH, William F. - FRIEDMAN, Oscar D. - RIMBERG, Alexander J. - BLENCOWE, Miles P. *Wigner current for open quantum systems. In PHYSICAL REVIEW A. ISSN 1050-2947, 2019, vol. 100, no. 1, 012124., Registrované v: WOS*

- ADCA482 KIM, M.S. - BUŽEK, Vladimír. Photon statistics of superposition states in phase-sensitive reservoirs. In *Physical Review A*, 1993, vol. 47, no. 1, p. 610-619. ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.47.610>

Citácie:

1. [1.1] GAIDASH, A. - KOZUBOV, A. - MIROSHNICHENKO, G. *Countermeasures for advanced unambiguous state discrimination attack on quantum key distribution protocol based on weak coherent states. In PHYSICA SCRIPTA. ISSN 0031-8949, 2019, vol. 94, no. 12, 125102., Registrované v: WOS*

- ADCA483 KIM, M.S. - SON, W. - BUŽEK, Vladimír - KNIGHT, P.L. Entanglement by a beam splitter: Nonclassicality as a prerequisite for entanglement. In *Physical Review A*, 2002, vol. 65, no. 3, 032323. ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.65.032323>

Citácie:

1. [1.1] BOSE, Soumyakanti. *Wehrl-entropy-based quantification of nonclassicality for single-mode quantum optical states. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2019, vol. 52, no. 2, 025303., Registrované v: WOS*

2. [1.1] CHIN, Seungbeom - HUH, Joonsuk. *Majorization and the time complexity of linear optical networks. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2019, vol. 52, no. 24, 245301., Registrované v: WOS*

3. [1.1] DAI, Hao - LUO, Shunlong. *Information-theoretic approach to atomic spin nonclassicality. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 6, 062114., Registrované v: WOS*

4. [1.1] DEHGHANI, A. - MOJAVERI, B. - ARYAIE, M. - ALENABI, A. A. *Superposition of two-mode "Near" coherent states: non-classicality and entanglement. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2019, vol. 18, no. 5, 148., Registrované v: WOS*

5. [1.1] DEHGHANI, A. - MOJAVERI, B. - ARYAIE, M. *Nonclassical properties and polarization degree of photon-subtracted entangled nonlinear coherent states. In INTERNATIONAL JOURNAL OF MODERN PHYSICS B. ISSN 0217-*

- 9792, 2019, vol. 33, no. 21, 1950230., Registrované v: WOS
6. [1.1] DELL', ANNO, Fabio - BUONO, Daniela - NOCERINO, Gaetano - DE SIENA, Silvio - ILLUMINATI, Fabrizio. Non-Gaussian swapping of entangled resources. In *QUANTUM INFORMATION PROCESSING*. ISSN 1570-0755, 2019, vol. 18, no. 1, 20., Registrované v: WOS
7. [1.1] DING, Ming-Song - ZHENG, Li - ZENG, Ye-Xiong - LI, Chong. Maximal Coherence in a Pre-Selected Basis. In *INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS*. ISSN 0020-7748, 2019, vol. 58, no. 5, pp. 1524-1533., Registrované v: WOS
8. [1.1] EATON, Miller - NEHRA, Rajveer - PFISTER, Olivier. Non-Gaussian and Gottesman-Kitaev-Preskill state preparation by photon catalysis. In *NEW JOURNAL OF PHYSICS*. ISSN 1367-2630, 2019, vol. 21, no. 11, 113034., Registrované v: WOS
9. [1.1] FERNANDEZ C, David J. - HUSSIN, Veronique - SAID MORALES-SALGADO, Vicente. Coherent states for the supersymmetric partners of the truncated oscillator. In *EUROPEAN PHYSICAL JOURNAL PLUS*. ISSN 2190-5444, 2019, vol. 134, no. 1, 18., Registrované v: WOS
10. [1.1] FU, Shuang-Shuang - LUO, Shun-Long. Quantifying Process Nonclassicality in Bosonic Fields. In *CHINESE PHYSICS LETTERS*. ISSN 0256-307X, 2019, vol. 36, no. 10, 104203., Registrované v: WOS
11. [1.1] FU, Shuangshuang - LUO, Shunlong - ZHANG, Yue. Converting nonclassicality to quantum correlations via beamsplitters. In *EPL*. ISSN 0295-5075, 2019, vol. 128, no. 3., Registrované v: WOS
12. [1.1] GARAI, Sagnik - IVAN, J. Solomon. Robustness of distributed nonclassicality against local Gaussian noise. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2019, vol. 100, no. 1, 013842., Registrované v: WOS
13. [1.1] GARCIA-PATRON, Raul - RENEMA, Jelmer J. - SHCHESNOVICH, Valery. Simulating boson sampling in lossy architectures. In *QUANTUM*. ISSN 2521-327X, 2019, vol. 3., Registrované v: WOS
14. [1.1] GHASEMI, M. - TAVASSOLY, M. K. Toward a quantum repeater protocol based on the coherent state approach. In *LASER PHYSICS*. ISSN 1054-660X, 2019, vol. 29, no. 8, 085202., Registrované v: WOS
15. [1.1] IVANOV, Peter A. Quantum thermometry with trapped ions. In *OPTICS COMMUNICATIONS*. ISSN 0030-4018, 2019, vol. 436, pp. 101-107., Registrované v: WOS
16. [1.1] KWON, Hyukjoon - TAN, Kok Chuan - VOLKOFF, Tyler - JEONG, Hyunseok. Nonclassicality as a Quantifiable Resource for Quantum Metrology. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2019, vol. 122, no. 4, 040503., Registrované v: WOS
17. [1.1] LI, Zong-Guo - LIU, Zhan-Dong - ZHANG, Rui-Xue - LI, Hong-Guo. Nonclassicality of Dirac-Pauli quantum states. In *QUANTUM INFORMATION PROCESSING*. ISSN 1570-0755, 2019, vol. 18, no. 9, 291., Registrované v: WOS
18. [1.1] LUO, Shunlong - ZHANG, Yue. Quantifying nonclassicality via Wigner-Yanase skew information. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2019, vol. 100, no. 3, 032116., Registrované v: WOS
19. [1.1] MA, Zhi-Hao - CUI, Jian - CAO, Zhu - FEI, Shao-Ming - VEDRAL, Vlatko - BYRNES, Tim - RADHAKRISHNAN, Chandrashekar. Operational advantage of basis-independent quantum coherence. In *EPL*. ISSN 0295-5075, 2019, vol. 125, no. 5, 50005., Registrované v: WOS
20. [1.1] MONIR, Hadiah Bint - AMIR, Naila - IQBAL, Shahid. Photon-Added $SU(1,1)$ Coherent States and their Non-Classical Properties. In *INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS*. ISSN 0020-7748,

2019, vol. 58, no. 6, pp. 1776-1790., Registrované v: WOS

21. [1.1] OPANCHUK, B. - ROSALES-ZARATE, L. - TEH, R. Y. - DALTON, B. J. - SIDOROV, A. - DRUMMOND, P. D. - REID, M. D. Mesoscopic two-mode entangled and steerable states of 40 000 atoms in a Bose-Einstein-condensate interferometer. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 6, 060102., Registrované v: WOS

22. [1.1] PARK, Jiyong - LEE, Jaehak - NHA, Hyunchul. Entropic nonclassicality and quantum non-Gaussianity tests via beam splitting. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2019, vol. 9, 17835., Registrované v: WOS

23. [1.1] SEHATI, N. - TAVASSOLY, M. K. - GHASEMI, M. Teleportation of squeezed states in the absence and presence of dissipation. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2019, vol. 134, no. 11, 552., Registrované v: WOS

24. [1.1] SINGH, Uttam - JABBOUR, Michael G. - VAN HERSTRAETEN, Zacharie - CERF, Nicolas J. Quantum thermodynamics in a multipartite setting: A resource theory of local Gaussian work extraction for multimode bosonic systems. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 4, 042104., Registrované v: WOS

25. [1.1] SPERLING, Jan - PEREZ-LEIJA, Armando - BUSCH, Kurt - SILBERHORN, Christine. Mode-independent quantum entanglement for light. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 6, 062129., Registrované v: WOS

26. [1.1] STOBINSKA, M. - BURACZEWSKI, A. - MOORE, M. - CLEMENTS, W. R. - RENEMA, J. J. - NAM, S. W. - GERRITS, T. - LITA, A. - KOLTHAMMER, W. S. - ECKSTEIN, A. - WALMSLEY, I. A. Quantum interference enables constant-time quantum information processing. In SCIENCE ADVANCES. ISSN 2375-2548, 2019, vol. 5, no. 7, eaau9674., Registrované v: WOS

27. [1.1] ULLAH, Shakir - QURESHI, Haleema Sadia - FOOR, Fazal G. H. A. Hierarchy of temporal quantum correlations using a correlated spontaneous emission laser. In OPTICS EXPRESS. ISSN 1094-4087, 2019, vol. 27, no. 19, pp. 26858-26873., Registrované v: WOS

28. [1.1] ULLAH, Shakir - QURESHI, Haleema Sadia - TIAZ, Gul - GHAFOR, Fazal - SAIF, Farhan. Coherence control of entanglement dynamics of two-mode Gaussian state via Raman driven quantum beat laser using Simon's criterion. In APPLIED OPTICS. ISSN 1559-128X, 2019, vol. 58, no. 1, pp. 197-204., Registrované v: WOS

29. [1.1] VALLONE, Giuseppe - CARIOLARO, Gianfranco - PIEROBON, Gianfranco. Means and covariances of photon numbers in multimode Gaussian states. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 99, no. 2, 023817., Registrované v: WOS

30. [1.1] WEI TIANLI - WU DEWEI - LI XIANG - ZHU HAONAN - WANG XIANGLIN. Entanglement Characteristics of Squeezed Vacuum State After Beam Splitter. In LASER & OPTOELECTRONICS PROGRESS. ISSN 1006-4125, 2019, vol. 56, no. 15., Registrované v: WOS

31. [1.1] ZHOU, Ben-yuan - YANG, Guo-qing - LI, Gao-xiang. Einstein-Podolsky-Rosen steering and entanglement based on two-photon correlation for bipartite Gaussian states. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 99, no. 6, 062101., Registrované v: WOS

ADCA484 KLINOVAJA, J. - STAÑO, Peter - LOSS, D. Topological floquet phases in driven coupled Rashba nanowires. In Physical Review Letters, 2016, vol. 116, no. 17, 176401. (2015: 7.645 - IF, Q1 - JCR, 4.656 - SJR, Q1 - SJR, karentované - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na:

Citácie:

1. [1.1] BARAN, B. - DOMANSKI, T. *Quasiparticles of a periodically driven quantum dot coupled between superconducting and normal leads*. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2019, vol. 100, no. 8, 085414., Registrované v: WOS
2. [1.1] CAVALIERE, F. - ZIANI, N. Traverso - DOLCINI, F. - SASSETTI, M. - ROSSI, F. *Coherent charge and spin oscillations induced by local quenches in nanowires with spin-orbit coupling*. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2019, vol. 100, no. 15, 155306., Registrované v: WOS
3. [1.1] CHAUDHARY, Swati - HSIEH, David - REFAEL, Gil. *Orbital Floquet engineering of exchange interactions in magnetic materials*. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2019, vol. 100, no. 22, 220403., Registrované v: WOS
4. [1.1] LADOVRECHIS, Konstantinos - FULGA, Ion Cosma. *Anomalous Floquet topological crystalline insulators*. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2019, vol. 99, no. 19, 195426., Registrované v: WOS
5. [1.1] LI, X. P. - LI, C. F. - WANG, L. C. - ZHOU, L. *Generating Majorana modes in one-dimensional p-wave superconductor with second-neighbor couplings by periodic kicking*. In *PHYSICS LETTERS A*. ISSN 0375-9601, 2019, vol. 383, no. 9, pp. 873-878., Registrované v: WOS
6. [1.1] LIU, Dillon T. - SHABANI, Javad - MITRA, Aditi. *Floquet Majorana zero and pi modes in planar Josephson junctions*. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2019, vol. 99, no. 9, 094303., Registrované v: WOS
7. [1.1] LIU, Hui - XIONG, Tian-Shi - ZHANG, Wei - AN, Jun-Hong. *Floquet engineering of exotic topological phases in systems of cold atoms*. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2019, vol. 100, no. 2, 023622., Registrované v: WOS
8. [1.1] MEI, Jie - SHAO, Lin - XU, Hengyi - ZHU, Xiaoming - XU, Ning. *Photomodulated edge states and multiterminal transport in silicene-like nanoribbons*. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2019, vol. 99, no. 4, 045444., Registrované v: WOS
9. [1.1] NAKATA, Kouki - KIM, Se Kwon - TAKAYOSHI, Shintaro. *Laser control of magnonic topological phases in antiferromagnets*. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2019, vol. 100, no. 1, 014421., Registrované v: WOS
10. [1.1] NATHAN, Frederik - ABANIN, Dmitry - BERG, Erez - LINDNER, Netanel H. - RUDNER, Mark S. *Anomalous Floquet insulators*. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2019, vol. 99, no. 19, 195133., Registrované v: WOS
11. [1.1] PEREZ-GONZALEZ, Beatriz - BELLO, Miguel - PLATERO, Gloria - GOMEZ-LEON, Alvaro. *Simulation of 1D Topological Phases in Driven Quantum Dot Arrays*. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2019, vol. 123, no. 12, 126401., Registrované v: WOS
12. [1.1] VOGL, Michael - LAURELL, Pontus - BARR, Aaron D. - FIETE, Gregory A. *Flow Equation Approach to Periodically Driven Quantum Systems*. In *PHYSICAL REVIEW X*. ISSN 2160-3308, 2019, vol. 9, no. 2, 021037., Registrované v: WOS
13. [1.1] WACKERL, Martin - WENK, Paul - SCHLIEMANN, John. *Driven Hofstadter butterflies and related topological invariants*. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2019, vol. 100, no. 16, 165411., Registrované v: WOS
14. [1.1] ZHOU, Longwen - PAN, Jiabin. *Non-Hermitian Floquet topological phases in the double-kicked rotor*. In *PHYSICAL REVIEW A*. ISSN 2469-9926,

2019, vol. 100, no. 5., Registrované v: WOS

15. [1.1] ZOU, Jin-Yu - LIU, Bang-Gui. Photon-mediated electronic correlation effects in irradiated two-dimensional Dirac systems. In *NANOTECHNOLOGY*. ISSN 0957-4484, 2019, vol. 30, no. 19, 195704., Registrované v: WOS

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. (2012: 7.943 - IF, Q1 - JCR, 6.292 - SJR, Q1 - SJR, karentované - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.111.186805>

Citácie:

1. [1.1] AMIN, Syed Tahir - MERA, Bruno - PAUNKOVIC, Nikola - VIEIRA, Vitor R. Information geometric analysis of long range topological superconductors. In *JOURNAL OF PHYSICS-CONDENSED MATTER*. ISSN 0953-8984, 2019, vol. 31, no. 48, 485402., Registrované v: WOS

2. [1.1] ANDRADE, J. A. - LOBOS, Alejandro M. Anisotropy and spin-fluctuation effects on the spectral properties of Shiba impurities. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2019, vol. 99, no. 5, 054508., Registrované v: WOS

3. [1.1] BAHARI, Masoud - HOSSEINI, Mir Vahid. One-dimensional topological metal. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2019, vol. 99, no. 15, 155128., Registrované v: WOS

4. [1.1] BESPALOV, A. A. Impurity-induced subgap states in superconductors with inhomogeneous pairing. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2019, vol. 100, no. 9, 094507., Registrované v: WOS

5. [1.1] BORTOLIN, Tomas - IUCCI, Anibal - LOBOS, Alejandro M. Quantum phase diagram of Shiba impurities from bosonization. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2019, vol. 100, no. 15, 155111., Registrované v: WOS

6. [1.1] CADEZ, T. - MONDAINI, R. - CASTRO, E. V. - SACRAMENTO, P. D. Static and Dynamic Disorder in Topological Systems: Localized, Critical and Extended States. In *ACTA PHYSICA POLONICA A*. ISSN 0587-4246, 2019, vol. 135, no. 6, pp. 1180-1190., Registrované v: WOS

7. [1.1] CHOI, Deung-Jang - LORENTE, Nicolas - WIEBE, Jens - VON BERGMANN, Kirsten - OTTE, Alexander F. - HEINRICH, Andreas J. Colloquium: Atomic spin chains on surfaces. In *REVIEWS OF MODERN PHYSICS*. ISSN 0034-6861, 2019, vol. 91, no. 4, 041001., Registrované v: WOS

8. [1.1] DEFENU, Nicolo - MORIGI, Giovanna - DELL'ANNA, Luca - ENSS, Tilman. Universal dynamical scaling of long-range topological superconductors. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2019, vol. 100, no. 18, 184306., Registrované v: WOS

9. [1.1] DESJARDINS, M. M. - CONTAMIN, L. C. - DELBECQ, M. R. - DARTAILH, M. C. - BRUHAT, L. E. - CUBAYNES, T. - VIENNOT, J. J. - MALLET, F. - ROHART, S. - THIAVILLE, A. - COTTET, A. - KONTOS, T. Synthetic spin-orbit interaction for Majorana devices. In *NATURE MATERIALS*. ISSN 1476-1122, 2019, vol. 18, no. 10, pp. 1060-+, Registrované v: WOS

10. [1.1] FLECKENSTEIN, C. - ZIANI, N. Traverso - TRAUZETTEL, B. Z(4) parafermions in Weakly Interacting Superconducting Constrictions at the Helical Edge of Quantum Spin Hall Insulators. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2019, vol. 122, no. 6, 066801., Registrované v: WOS

11. [1.1] GARNIER, Maxime - MESAROS, Andrej - SIMON, Pascal. Topological superconductivity with deformable magnetic skyrmions. In *COMMUNICATIONS PHYSICS*. ISSN 2399-3650, 2019, vol. 2, 126., Registrované v: WOS

12. [1.1] GORCZYCA-GORAJ, Anna - DOMANSKI, Tadeusz - MASKA, Maciej M. Topological superconductivity at finite temperatures in proximitized magnetic

- nanowires. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 99, no. 23, 235430., Registrované v: WOS*
13. [1.1] HAIM, Arbel - OREG, Yuval. Time-reversal-invariant topological superconductivity in one and two dimensions. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, 2019, vol. 825, pp. 1-48., Registrované v: WOS
14. [1.1] HAMAD, Ignacio J. - LISANDRINI, Franco T. - GAZZA, Claudio J. - LOBOS, Alejandro M. Influence of Rashba spin-orbit coupling on the 0- π transition and Kondo temperature in one-dimensional superconductors. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 100, no. 23, 235110., Registrované v: WOS
15. [1.1] KOTETES, Panagiotis - MERCALDO, Maria Teresa - CUOCO, Mario. Synthetic Weyl Points and Chiral Anomaly in Majorana Devices with Nonstandard Andreev-Bound-State Spectra. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 123, no. 12, 126802., Registrované v: WOS
16. [1.1] LEGG, Henry F. - BRAUNECKER, Bernd. Spin liquid mediated RKKY interaction. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2019, vol. 9, 17697., Registrované v: WOS
17. [1.1] LIU, Jie - WU, Yijia - SUN, Qing-Feng - XIE, X. C. Flux-induced topological superconductor in planar Josephson junction. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 100, no. 23, 235131., Registrované v: WOS
18. [1.1] LIU, Zhu-Xi - LI, Zhi-Hua - WANG, An-Min. Fractional charged edge states in adder topological insulators. In JOURNAL OF PHYSICS-CONDENSED MATTER. ISSN 0953-8984, 2019, vol. 31, no. 12, 125402., Registrované v: WOS
19. [1.1] MARRA, Pasquale - NITTA, Muneto. Topologically nontrivial Andreev bound states. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 100, no. 22, 220502., Registrované v: WOS
20. [1.1] MASHKOORI, M. - MOGHADDAM, A. G. - HAJIBABAEI, M. H. - BLACK-SCHAFFER, A. M. - PARHIZGAR, F. Impact of topology on the impurity effects in extended s-wave superconductors with spin-orbit coupling. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 99, no. 1, 014508., Registrované v: WOS
21. [1.1] MASHKOORI, Mandi - BLACK-SCHAFFER, Annica. Majorana bound states in magnetic impurity chains: Effects of d-wave pairing. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 99, no. 2, 024505., Registrované v: WOS
22. [1.1] MERCALDO, Maria Teresa - KOTETES, Panagiotis - CUOCO, Mario. Magnetoelectrically tunable Andreev bound state spectra and spin polarization in p-wave Josephson junctions. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 100, no. 10, 104519., Registrované v: WOS
23. [1.1] MINARELLI, Emma L. - POYHONEN, Kim - VAN DALUM, Gerwin A. R. - OJANEN, Teemu - FRITZ, Lars. Engineering of Chern insulators and circuits of topological edge states. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 99, no. 16, 165423., Registrované v: WOS
24. [1.1] MOHANTA, Narayan - ZHOU, Tong - XU, Jun-Wen - HAN, Jong E. - KENT, Andrew D. - SHABANI, Javad - ZUTIC, Igor - MATOS-ABIAGUE, Alex. Electrical Control of Majorana Bound States Using Magnetic Stripes. In PHYSICAL REVIEW APPLIED. ISSN 2331-7019, 2019, vol. 12, no. 3, 034048., Registrované v: WOS
25. [1.1] POSSKE, Thore - THORWART, Michael. Winding Up Quantum Spin Helices: How Avoided Level Crossings Exile Classical Topological Protection. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 122, no. 9, 097204., Registrované v: WOS

26. [1.1] PUEL, T. O. - VIYUELA, O. Band twisting and resilience to disorder in long-range topological superconductors. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2019, vol. 100, no. 1, 014508., Registrované v: WOS
27. [1.1] REBOLA, Alejandro - LOBOS, Alejandro M. Realistic indirect spin interactions between magnetic impurities on a metallic Pb(110) surface. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2019, vol. 100, no. 23, 235412., Registrované v: WOS
28. [1.1] REX, Stefan - GORNYI, Igor - MIRLIN, Alexander D. Majorana bound states in magnetic skyrmions imposed onto a superconductor. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2019, vol. 100, no. 6, 064504., Registrované v: WOS
29. [1.1] SCHNEIDER, Lucas - STEINBRECHER, Manuel - ROZSA, Levente - BOUAZIZ, Juba - PALOTAS, Krisztian - DIAS, Manuel dos Santos - LOUNIS, Samir - WIEBE, Jens - WIESENDANGER, Roland. Magnetism and in-gap states of 3d transition metal atoms on superconducting Re. In *NPJ QUANTUM MATERIALS*, 2019, vol. 4, 42., Registrované v: WOS
30. [1.1] SCHULZ, F. - BUDICH, J. C. - NOVIK, E. G. - REHCER, P. - TRAUZETTEL, B. Voltage-tunable Majorana bound states in time-reversal symmetric bilayer quantum spin Hall hybrid systems. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2019, vol. 100, no. 16, 165420., Registrované v: WOS
31. [1.1] SETIAWAN, F. - WU, Chien-Te - LEVIN, K. Full proximity treatment of topological superconductors in Josephson-junction architectures. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2019, vol. 99, no. 17, 174511., Registrované v: WOS
32. [1.1] STERN, Ady - BERG, Erez. Fractional Josephson Vortices and Braiding of Majorana Zero Modes in Planar Superconductor-Semiconductor Heterostructures. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2019, vol. 122, no. 10, 107701., Registrované v: WOS
33. [1.1] STICLET, Doru - MORARI, Cristian. Topological superconductivity from magnetic impurities on monolayer NbSe₂. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2019, vol. 100, no. 7, 075420., Registrované v: WOS
34. [1.1] THEILER, Andreas - BJOERNSON, Kristofer - BLACK-SCHAFFER, Annica M. Majorana bound state localization and energy oscillations for magnetic impurity chains on conventional superconductors. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2019, vol. 100, no. 21, 214504., Registrované v: WOS
35. [1.1] VAL'KOV, V. V. - MITSKAN, V. A. - ZLOTNIKOV, A. O. - SHUSTIN, M. S. - AKSENOV, S. V. Occurrence of Topologically Nontrivial Phases, Cascade of Quantum Transitions, and Identification of Majorana Modes in Chiral Superconductors and Nanowires (Scientific Summary). In *JETP LETTERS*. ISSN 0021-3640, 2019, vol. 110, no. 2, pp. 140-153., Registrované v: WOS
36. [1.1] VIYUELA, Oscar - VIJAY, Sagar - FU, Liang. Scalable fermionic error correction in Majorana surface codes. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2019, vol. 99, no. 20, 205114., Registrované v: WOS
37. [1.1] WIECKOWSKI, Andrzej - PTOK, Andrzej. Influence of long-range interaction on Majorana zero modes. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2019, vol. 100, no. 14, 144510., Registrované v: WOS
38. [1.1] WOJCIK, Krzysztof P. - WEYMANN, Ireneusz. Nonlocal pairing as a source of spin exchange and Kondo screening. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2019, vol. 99, no. 4, 045120., Registrované v: WOS
39. [1.1] YAN, Qing - ZHOU, Yan-Feng - SUN, Qing-Feng. Electrically tunable chiral Majorana edge modes in quantum anomalous Hall insulator-topological

superconductor systems. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2019, vol. 100, no. 23, 235407., Registrované v: WOS

40. [1.1] YURTTAGUL, Nikolai - SARSBY, Matthew - GERESDI, Attila. Indium as a High-Cooling-Power Nuclear Refrigerant for Quantum Nanoelectronics. In *PHYSICAL REVIEW APPLIED*. ISSN 2331-7019, 2019, vol. 12, no. 1, 011005., Registrované v: WOS

41. [1.1] ZHANG, Shu-Hui - ZHU, Jia-Ji - YANG, Wen - CHANG, Kai. Selective generation and amplification of RKKY interactions by a p-n interface. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2019, vol. 99, no. 19, 195456., Registrované v: WOS

42. [1.1] ZHOU, Tong - MOHANTA, Narayan - HAN, Jong E. - MATOS-ABIAGUE, Alex - ZUTIC, Igor. Tunable magnetic textures in spin valves: From spintronics to Majorana bound states. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2019, vol. 99, no. 13, 134505., Registrované v: WOS

ADCA486 KLINOVAJA, J. - STAÑO, Peter - LOSS, D. Transition from fractional to Majorana fermions in Rashba nanowires. In *Physical Review Letters*, 2012, vol. 109, no. 23, 236801. (2011: 7.370 - IF, Q1 - JCR, 6.314 - SJR, Q1 - SJR, karentované - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.109.236801>

Citácie:

1. [1.1] DESJARDINS, M. M. - CONTAMIN, L. C. - DELBECQ, M. R. - DARTAILH, M. C. - BRUHAT, L. E. - CUBAYNES, T. - VIENNOT, J. J. - MALLET, F. - ROHART, S. - THIAVILLE, A. - COTTET, A. - KONTOS, T. Synthetic spin-orbit interaction for Majorana devices. In *NATURE MATERIALS*. ISSN 1476-1122, 2019, vol. 18, no. 10, pp. 1060-+., Registrované v: WOS

2. [1.1] JANA, Sayan - SAHA, Arijit - DAS, Sourin. Jackiw-Rebbi zero modes in non-uniform topological insulator nanowire. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2019, vol. 100, no. 8, 085428., Registrované v: WOS

3. [1.1] LIU, Zhu-Xi - LI, Zhi-Hua - WANG, An-Min. Fractional charged edge states in adder topological insulators. In *JOURNAL OF PHYSICS-CONDENSED MATTER*. ISSN 0953-8984, 2019, vol. 31, no. 12, 125402., Registrované v: WOS

4. [1.1] MARRA, Pasquale - NITTA, Muneto. Topologically nontrivial Andreev bound states. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2019, vol. 100, no. 22, 220502., Registrované v: WOS

5. [1.1] MOHANTA, Narayan - ZHOU, Tong - XU, Jun-Wen - HAN, Jong E. - KENT, Andrew D. - SHABANI, Javad - ZUTIC, Igor - MATOS-ABIAGUE, Alex. Electrical Control of Majorana Bound States Using Magnetic Stripes. In *PHYSICAL REVIEW APPLIED*. ISSN 2331-7019, 2019, vol. 12, no. 3, 034048., Registrované v: WOS

6. [1.1] SAPKOTA, K. R. - ELEY, S. - BUSSMANN, E. - HARRIS, C. T. - MAURER, L. N. - LU, T. M. Creation of nanoscale magnetic fields using nano-magnet arrays. In *AIP ADVANCES*. ISSN 2158-3226, 2019, vol. 9, no. 7, 075203., Registrované v: WOS

7. [1.1] SCHARF, Benedikt - PIENKA, Falko - REN, Hechen - YACOBY, Amir - HANKIEWICZ, Ewelina M. Tuning topological superconductivity in phase-controlled Josephson junctions with Rashba and Dresselhaus spin-orbit coupling. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2019, vol. 99, no. 21, 214503., Registrované v: WOS

8. [1.1] SOUZA, R. M. - SANTOS, Y. S. M. - OLIVEIRA, L. L. - NUNES, M. S. - DANTAS, Ana L. - CARRICO, A. S. Energy product of cylindrical FePt@CoFe₂ and FePt@Fe nanoparticles. In *AIP ADVANCES*, 2019, vol. 9, no. 12., Registrované v: WOS

9. [1.1] ZHOU, Tong - MOHANTA, Narayan - HAN, Jong E. - MATOS-ABIAGUE, Alex - ZUTIC, Igor. Tunable magnetic textures in spin valves: From spintronics to Majorana bound states. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2019, vol. 99, no. 13, 134505., Registrované v: WOS

10. [1.1] ZUTIC, Igor - MATOS-ABIAGUE, Alex - SCHARF, Benedikt - DERY, Hanan - BELASHCHENKO, Kirill. Proximitized materials. In *MATERIALS TODAY*. ISSN 1369-7021, 2019, vol. 22, pp. 85-107., Registrované v: WOS

ADCA487 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. (2012: 3.767 - IF, Q1 - JCR, 1.779 - SJR, Q1 - SJR, karentované - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.88.241405>

Citácie:

1. [1.1] KULKARNI, Anant - BINDA, Namita - KAUSHIK, Brajesh Kumar. Quantum Computing Circuits Based on Spin-Torque Qubit Architecture Toward the physical realization of quantum computers. In *IEEE NANOTECHNOLOGY MAGAZINE*. ISSN 1932-4510, 2019, vol. 13, no. 5, pp. 15-24., Registrované v: WOS

2. [1.1] SAMMAK, Amir - SABBAGH, Diego - HENDRICKX, Nico W. - LODARI, Mario - WUETZ, Brian Paquelet - TOSATO, Alberto - YEOH, LaReine - BOLLANI, Monica - VIRGILIO, Michele - SCHUBERT, Markus Andreas - ZAUMSEIL, Peter - CAPELLINI, Giovanni - VELDHORST, Menno - SCAPPUCCI, Giordano. Shallow and Undoped Germanium Quantum Wells: A Playground for Spin and Hybrid Quantum Technology. In *ADVANCED FUNCTIONAL MATERIALS*. ISSN 1616-301X, 2019, vol. 29, no. 14, 1807613., Registrované v: WOS

3. [1.1] VENITUCCI, Benjamin - NIQUET, Yann-Michel. Simple model for electrical hole spin manipulation in semiconductor quantum dots: Impact of dot material and orientation. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2019, vol. 99, no. 11, 115317., Registrované v: WOS

4. [1.1] WANG, Rui - DEACON, Russell S. - SUN, Jian - YAO, Jun - LIEBER, Charles M. - ISHIBASHI, Koji. Gate Tunable Hole Charge Qubit Formed in a Ge/Si Nanowire Double Quantum Dot Coupled to Microwave Photons. In *NANO LETTERS*. ISSN 1530-6984, 2019, vol. 19, no. 2, pp. 1052-1060., Registrované v: WOS

ADCA488 KOASHI, M. - BUŽEK, Vladimír - IMOTO, N. Entangled webs: Tight Bound for symmetric Sharing of Entanglement. In *Physical Review A*, 2000, vol. 62, no. 5, 050302. (2000 - Current Contents). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.62.050302>

Citácie:

1. [1.1] JI, Y. Q. - LIU, Y. L. - ZHOU, S. J. - XIU, X. M. - DONG, L. - DONG, H. K. - GAO, Y. J. - YI, X. X. Fast conversion of Dicke states vertical bar $D-n((2))>$ to vertical bar $D-n+(1)(2)>$ by transitionless quantum driving. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2019, vol. 99, no. 2, 023808., Registrované v: WOS

2. [1.1] JU, Le - YANG, Ming - PAUNKOVIC, Nikola - CHU, Wen-Jing - CAO, Zhuo-Liang. Creating photonic GHZ and W states via quantum walk. In *QUANTUM INFORMATION PROCESSING*. ISSN 1570-0755, 2019, vol. 18, no. 6, 176., Registrované v: WOS

3. [1.1] MAKHALOV, Vasiliy - SATOOR, Tanish - EVRARD, Alexandre - CHALOPIN, Thomas - LOPES, Raphael - NASCIMBENE, Sylvain. Probing Quantum Criticality and Symmetry Breaking at the Microscopic Level. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2019, vol. 123, no. 12, 120601.,

Registrované v: WOS

4. [1.1] MEILL, Alexander - MEYER, David A. Pairwise concurrence in cyclically symmetric quantum states. In *PHYSICAL REVIEW A*. ISSN 1050-2947, 2019, vol. 100, no. 4, 042318., *Registrované v: WOS*

5. [1.1] ZHANG, Dawei - WANG, W. Generation of *W* states via Lyapunov control by combination of quantum Zeno dynamics. In *MODERN PHYSICS LETTERS A*. ISSN 0217-7323, 2019, vol. 34, no. 28, 1950227., *Registrované v: WOS*

- ADCA489 KOBUSHKIN, A.P. - KRIVENKO-EMETOV, Ya.D. - DUBNIČKA, Stanislav. Elastic electron-deuteron scattering beyond one-photon exchange. In *Physical Review C*, 2010, vol. 81, no. 5, 054001. (2009: 3.477 - IF, 2.222 - SJR, Q1 - SJR, karentované - CCC). (2010 - Current Contents, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.81.054001>

Citácie:

1. [1.1] DARWISH, E. M. - HEMMDAN, A. - BEHAIRY, K. O. - MAHROUS, E. M. - ALSADI, Kh. S. - HASSANAIN, M. A. Sensitivity of Beam-Target Polarized Response Functions in Elastic Electron-Deuteron Scattering to Nucleon Structure and Modern *NN* Potentials. In *MOSCOW UNIVERSITY PHYSICS BULLETIN*. ISSN 0027-1349, 2019, vol. 74, no. 4, pp. 353-363., *Registrované v: WOS*

2. [1.1] MAHROUS, E. M. - DARWISH, E. M. - ABOU-ELSEBAA, H. M. - HEMMDAN, A. Influence of Nucleon Structure on Tensor and Vector Analyzing Powers in Elastic Electron-Deuteron Scattering. In *MOSCOW UNIVERSITY PHYSICS BULLETIN*. ISSN 0027-1349, 2019, vol. 74, no. 4, pp. 341-352., *Registrované v: WOS*

- ADCA490 KOLESÍK, Miroslav - MOLONEY, J.V. - WRIGHT, E.M. Polarization dynamics of femtosecond pulses propagating in air. In *Physical Review E*, 2001, vol. 64, no. 4, p. 046607. (2000: 2.142 - IF, karentované - CCC). (2001 - Current Contents). ISSN 2470-0045.

Citácie:

1. [1.1] PATWARDHAN, Gauri - GAO, Xiaohui - SAGIV, Amir - DUTT, Avik - GINSBERG, Jared - DITKOWSKI, Adi - FIBICH, Gadi - GAETA, Alexander L. Loss of polarization of elliptically polarized collapsing beams. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2019, vol. 99, no. 3, 033824., *Registrované v: WOS*

- ADCA491 KOLESÍK, 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.

Citácie:

1. [1.1] ROJAS, Onofre. Geometrically frustrated Ising-Heisenberg spin model on expanded Kagome lattice. In *JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS*. ISSN 0304-8853, 2019, vol. 473, pp. 442-448., *Registrované v: WOS*

- ADCA492 KONIORCZYK, M. - BUŽEK, Vladimír - JANSZKY, J. Wigner-function description of quantum teleportation in arbitrary dimensions and continuous limit. In *Physical Review A*, 2001, vol. 64, no. 3, p. 034301. (2000: 2.684 - IF). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.64.034301>

Citácie:

1. [1.1] HUANG, Siendong. Dense coding and quantum teleportation using type III von Neumann algebras. In *JOURNAL OF MATHEMATICAL PHYSICS*. ISSN 0022-2488, 2019, vol. 60, no. 8, 082107., *Registrované v: WOS*

2. [1.1] RYU, Junghee - HONG, Sunghyuk - LEE, Joong-Sung - SEOL, Kang Hee - JAE, Jeongwoo - LIM, James - LEE, Jiwon - LEE, Kwang-Geol - LEE, Jinhyoung. Optical experiment to test negative probability in context of quantum-measurement selection. In *SCIENTIFIC REPORTS*. ISSN 2045-2322, 2019, vol.

9, 19021., Registrované v: WOS

- ADCA493 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. (2007: 2.893 - IF, Q1 - JCR, 2.524 - SJR, Q1 - SJR, karentované - CCC). (2008 - Current Contents). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.77.052106>

Citácie:

1. [1.1] GRIMMER, Daniel - MANN, Robert B. - MARTIN-MARTINEZ, Eduardo. Thermal contact: mischief and time scales. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2019, vol. 52, no. 39, 395305., Registrované v: WOS

- ADCA494 KONÔPKA, M. - TURANSKÝ, Robert - DUBECKÝ, Matúš - MARX, D. - ŠTICH, Ivan. Molecular mechanochemistry understood at the nanoscale: Thiolate interfaces and junctions with copper surfaces and clusters. In Journal of Physical Chemistry C, 2009, vol. 113, no. 20, p. 8878-8887. (2008: 3.396 - IF, Q1 - JCR, 1.883 - SJR, Q1 - SJR, karentované - CCC). (2009 - Current Contents, WOS, SCOPUS). ISSN 1932-7447. Dostupné na: <https://doi.org/10.1021/jp9017025>

Citácie:

1. [1.1] KULIK, Heather J. MODELING MECHANOCHEMISTRY FROM FIRST PRINCIPLES. In REVIEWS IN COMPUTATIONAL CHEMISTRY, VOL 31. ISSN 1069-3599, 2019, vol. 31, pp. 265-311., Registrované v: WOS

2. [1.1] MEJIA, Leopoldo - FRANCO, Ignacio. Force-conductance spectroscopy of a single-molecule reaction. In CHEMICAL SCIENCE. ISSN 2041-6520, 2019, vol. 10, no. 11, pp. 3249-3256., Registrované v: WOS

- ADCA495 KONÔPKA, Martin - TURANSKÝ, Robert - REICHERT, Joachim - FUCHS, Harald - MARX, Dominik - ŠTICH, Ivan. Mechanochemistry and thermochemistry are different: stress-induced strengthening of chemical bonds. In Physical Review Letters, 2008, vol. 100, no. 11, 115503. (2007: 6.944 - IF, Q1 - JCR, 5.950 - SJR, Q1 - SJR, karentované - CCC). (2008 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.100.115503>

Citácie:

1. [1.1] KULIK, Heather J. MODELING MECHANOCHEMISTRY FROM FIRST PRINCIPLES. In REVIEWS IN COMPUTATIONAL CHEMISTRY, VOL 31. ISSN 1069-3599, 2019, vol. 31, pp. 265-311., Registrované v: WOS

2. [1.1] MEJIA, Leopoldo - FRANCO, Ignacio. Force-conductance spectroscopy of a single-molecule reaction. In CHEMICAL SCIENCE. ISSN 2041-6520, 2019, vol. 10, no. 11, pp. 3249-3256., Registrované v: WOS

3. [1.1] WANG, Jin - GUO, Guang-Jun - HAN, Yuzhen - HOU, Quanlin - GENG, Ming - ZHANG, Zhengcai. Mechanoanalysis mechanisms of the fused aromatic rings of anthracite coal under shear stress. In FUEL. ISSN 0016-2361, 2019, vol. 253, pp. 1247-1255., Registrované v: WOS

- ADCA496 KOPANI, M. - MIKULA, M. - PINČÍK, Emil - KOBAYASHI, H. - TAKAHASHI, M. FT IR spectroscopy of nitric acid oxidation of silicon with hafnium oxide very thin layer. In Applied Surface Science, 2014, vol. 301, p. 24-27. (2013: 2.538 - IF, Q1 - JCR, 0.965 - SJR, karentované - CCC). (2014 - Current Contents). ISSN 0169-4332. Dostupné na: <https://doi.org/10.1016/j.apsusc.2014.01.124>

Citácie:

1. [1.1] ZHANG, Xiao-Ying - HSU, Chia-Hsun - LIEN, Shui-Yang - WU, Wan-Yu - OU, Sin-Liang - CHEN, Song-Yan - HUANG, Wei - ZHU, Wen-Zhang - XIONG, Fei-Bing - ZHANG, Sam. Temperature-Dependent HfO₂/Si Interface Structural Evolution and its Mechanism. In NANOSCALE RESEARCH LETTERS. ISSN 1931-7573, 2019, vol. 14, 83., Registrované v: WOS

- ADCA497 KOPANI, M. - MIKULA, M. - TAKAHASHI, M. - RUSNÁK, Jaroslav - PINČÍK, Emil. FT IR spectroscopy of silicon oxide layers prepared with perchloric acid. In *Applied Surface Science*, 2013, vol. 269, p. 106-109. (2012: 2.112 - IF, Q1 - JCR, 0.913 - SJR, Q1 - SJR, karentované - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 0169-4332. Dostupné na: <https://doi.org/10.1016/j.apsusc.2012.09.081>
- Citácie:
- [1.1] *SHI, Shuanger - ZHAO, Yunyan - ZHANG, Zhiming - YU, Liangmin. Corrosion protection of a novel SiO₂@PANI coating for Q235 carbon steel. In PROGRESS IN ORGANIC COATINGS. ISSN 0300-9440, 2019, vol. 132, pp. 227-234., Registrované v: WOS*
 - [1.1] *WANG, Yong-Tao - WU, Yu-Song - TANG, Gui-Mei. Controllable luminescent behaviors with pyrazine and benzimidazole groups: Syntheses, crystal structures and properties. In OPTICAL MATERIALS. ISSN 0925-3467, 2019, vol. 98, UNSP 109432., Registrované v: WOS*
- ADCA498 KOPANI, Martin** - MIKULA, Milan - KOSNAC, Daniel - VOJTEK, Pavol - GREGUS, Jan - VAVRINSKY, Erik - JERGEL, Matej - PINČÍK, Emil. Effect of etching time on structure of p-type porous silicon. In *Applied Surface Science*, 2018, vol. 461, p. 44-47. (2017: 4.439 - IF, Q1 - JCR, 1.093 - SJR, Q1 - SJR, karentované - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 0169-4332. Dostupné na: <https://doi.org/10.1016/j.apsusc.2018.04.228>
- Citácie:
- [1.1] *BISWAS, Susmita - NANDI, Anupam - MUKHOPADHYAY, Sumita - CHAUDHURI, Partha - SAHA, Hiranmay - SYED, Minhaz Hossain. Mechanochemical synthesis of quasi monodispersed core-shell silicon nanostructure. In APPLIED SURFACE SCIENCE. ISSN 0169-4332, 2019, vol. 494, pp. 326-334., Registrované v: WOS*
 - [1.1] *SHEVKUNOV, S. V. Water Vapor Nucleation on a Surface with Nanoscopic Grooves. 2. Features of Thermodynamic Behavior. In COLLOID JOURNAL. ISSN 1061-933X, 2019, vol. 81, no. 3, pp. 311-328., Registrované v: WOS*
 - [1.1] *XU, Junwen - LIU, Shuang - YANG, Yapei - LI, Jiacheng - TIAN, Chunhui - GUO, Lina - ZHANG, Shangjian - LIU, Yong - ZHONG, Zhiyong. Preparation of Porous Silicon by Electrochemical Etching Methods and its Morphological and Optical Properties. In INTERNATIONAL JOURNAL OF ELECTROCHEMICAL SCIENCE. ISSN 1452-3981, 2019, vol. 14, no. 6, pp. 5188-5199., Registrované v: WOS*
 - [1.1] *ZHOU, Yanbiao - QU, Kaige - ZHANG, Lihui - LIAO, Binghua. SUPERHYDROPHOBIC SILICON FABRICATED BY PHOSPHOMOLYBDIC ACID-ASSISTED ELECTROCHEMICAL ETCHING. In QUIMICA NOVA. ISSN 0100-4042, 2019, vol. 42, no. 7, pp. 792-796., Registrované v: WOS*
- ADCA499 KORYTÁR, Dušan** - ZÁPRAŽNÝ, Zdenko - FERRARI, C. - FRIGERI, C. - JERGEL, Matej - MAŤKO, Igor - KEČKÉŠ, Jozef. Cross-sectional TEM study of subsurface damage in SPDT machining of germanium optics. In *Applied Optics*, 2018, vol. 57, p. 1940-1943. (2017: 1.791 - IF, Q3 - JCR, 0.715 - SJR, Q1 - SJR, karentované - CCC). (2018 - Current Contents). ISSN 0003-6935. Dostupné na: <https://doi.org/10.1364/AO.57.001940>
- Citácie:
- [1.1] *XU, Jing - TAYLOR, Lauren - QIAO, Jie - POMERANTZ, Michael - LAMBROPOULOS, John C. Subsurface damage measurement of single crystal germanium and borosilicate glass BK-7. In OPTIFAB 2019. ISSN 0277-786X, 2019, vol. 11175, UNSP 1117508., Registrované v: WOS*

2. [1.2] SHAHINIAN, Hossein - NAVARE, Jayesh - BODLAPATI, Charan - ZAYTSEV, Dmytro - KANG, Di - MOHAMMADI, Hossein - ARLT, Megan - RAVINDRA, Deepak. High speed micro laser assisted machining of single crystal germanium. In *Proceedings 34th ASPE Annual Meeting*, 2019, pp. 319-324., Registrované v: SCOPUS

3. [1.2] ZHAO, Qizhi - ZHANG, Lei - HAN, Yanjun - FAN, Cheng. Polishing path generation for physical uniform coverage of the aspheric surface based on the Archimedes spiral in bonnet polishing. In *Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture*. ISSN 09544054, 2019, vol. 233, no. 12, pp. 2251-2263., Registrované v: SCOPUS

ADCA500 KOSCHNY, T. - MARKOŠ, Peter - SMITH, D.R. - SOUKOULIS, C.M. Resonant and antiresonant frequency dependence of the effective parameters of metamaterials. In *Physical Review E*, 2003, vol. 68, no. 6, 065602. (2002: 2.397 - IF, karentované - CCC). (2003 - Current Contents, SCOPUS). ISSN 2470-0045. Dostupné na: <https://doi.org/10.1103/PhysRevE.68.065602>

Citácie:

1. [1.1] ALADADI, Yosef T. - ALKANHAL, Majeed A. S. Extraction of metamaterial constitutive parameters based on data-driven discontinuity detection. In *OPTICAL MATERIALS EXPRESS*. ISSN 2159-3930, 2019, vol. 9, no. 9, pp. 3765-3780., Registrované v: WOS

2. [1.1] BELHAJJI, Mounir - SAYOURI, Salaheddine - NFISSI, Aziz - LAMCHARFI, Taj-dine. Effect of the occupation of Pb and Ti sites on the structural, microstructural and dielectric properties of Y-doped PbTiO₃ samples. In *JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS*. ISSN 0957-4522, 2019, vol. 30, no. 17, pp. 16065-16079., Registrované v: WOS

3. [1.1] CHEN, Fu - LUO, Hui - CHENG, Yongzhi - LIU, Jiuling - WANG, Xian - GONG, Rongzhou. Fe/Fe₃O₄@N-Doped Carbon Hexagonal Plates Decorated with Ag Nanoparticles for Microwave Absorption. In *ACS APPLIED NANO MATERIALS*. ISSN 2574-0970, 2019, vol. 2, no. 11, pp. 7266-7278., Registrované v: WOS

4. [1.1] CHEN, Tianyi - TANG, Wenxuan - MU, Jing - CUI, Tie Jun. Microwave Metamaterials. In *ANNALEN DER PHYSIK*. ISSN 0003-3804, 2019, vol. 531, no. 8, 1800445., Registrované v: WOS

5. [1.1] DILTS, James - SIAHMAKOUN, Azad - ALISAFEE, Hossein. Multilayer hyperbolic metamaterial based on alternating TiO₂/Cu layers. In *PHOTONIC AND PHONONIC PROPERTIES OF ENGINEERED NANOSTRUCTURES IX*. ISSN 0277-786X, 2019, vol. 10927, UNSP 1092711., Registrované v: WOS

6. [1.1] FAKHERI, Mohammad Hosein - ABDOLALI, Ali. Application of transformation optics in radar cross section reduction of targets with arbitrary two-dimensional geometries. In *JOURNAL OF APPLIED PHYSICS*. ISSN 0021-8979, 2019, vol. 125, no. 23, 234901., Registrované v: WOS

7. [1.1] FANG, Wei - LI, Gao-Xiang - XU, Jingping - YANG, Yaping. Enhancement of long-distance Casimir-Polder interaction between an excited atom and a cavity made of metamaterials. In *OPTICS EXPRESS*. ISSN 1094-4087, 2019, vol. 27, no. 26, pp. 37753-37770., Registrované v: WOS

8. [1.1] FIRESTEIN, Chen - SHAVIT, Reuven. Effective electrical parameters evaluation for non-dispersive metamaterials with highly interaction fields. In *IET MICROWAVES ANTENNAS & PROPAGATION*. ISSN 1751-8725, 2019, vol. 13, no. 8, pp. 1151-1157., Registrované v: WOS

9. [1.1] GRIC, Tatjana - HESS, Ortwin. Active Optical Metamaterials. In *PHENOMENA OF OPTICAL METAMATERIALS*, 2019, pp. 187-261., Registrované v: WOS

10. [1.1] GU, Hongbo - XU, Xiaojian - DONG, Mengyao - XIE, Peitao - SHAO, Qian - FAN, Runhua - LIU, Chuntai - WU, Shide - WEI, Renbo - GUO, Zhanhu. Carbon nanospheres induced high negative permittivity in nanosilver-polydopamine metacomposites. In CARBON. ISSN 0008-6223, 2019, vol. 147, pp. 550-558., Registrované v: WOS
11. [1.1] KOMINIS, Yannis - CHOQUETTE, Kent D. - BOUNTIS, Anastasios - KOVANIS, Vassilios. Antiresonances and Ultrafast Resonances in a Twin Photonic Oscillator. In IEEE PHOTONICS JOURNAL. ISSN 1943-0655, 2019, vol. 11, no. 1, 1500209., Registrované v: WOS
12. [1.1] MNASRI, Karim - KHRABUSTOVSKIY, Andrii - PLUM, Michael - ROCKSTUHL, Carsten. Retrieving effective material parameters of metamaterials characterized by nonlocal constitutive relations. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 99, no. 3, 035442., Registrované v: WOS
13. [1.1] PANDIT, Soumen - MOHAN, Akhilesh - RAY, Priyadip. Dual-band negative-permittivity metamaterial using crossed loop resonator. In APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING. ISSN 0947-8396, 2019, vol. 125, no. 6, 414., Registrované v: WOS
14. [1.1] PAPADAKIS, Georgia T. - DAVOYAN, Artur - YEH, Pochi - ATWATER, Harry A. Mimicking surface polaritons for unpolarized light with high-permittivity materials. In PHYSICAL REVIEW MATERIALS. ISSN 2475-9953, 2019, vol. 3, no. 1, 015202., Registrované v: WOS
15. [1.1] WANG, Chun - ZHU, Zhongbo - CUI, Wanzhao - YANG, Yanbin - RAN, Lixin - YE, Dexin. All-angle Brewster effect observed on a terahertz metasurface. In APPLIED PHYSICS LETTERS. ISSN 0003-6951, 2019, vol. 114, no. 19, 191902., Registrované v: WOS
16. [1.1] XU, Su - LIU, Jian-Bin - WANG, Hao - SU, Ci-Kang - SUN, Hong-Bo. Three-dimensional metacrystals with a broadband isotropic diamagnetic response and an all-angle negative index of refraction. In OPTICS LETTERS. ISSN 0146-9592, 2019, vol. 44, no. 4, pp. 927-930., Registrované v: WOS
17. [1.1] XU, Xiaofei - HUANG, Qianling - DENG, Xiao - WANG, Yefang. Electric megahertz metamaterials designed with deep subwavelength multilayered meander line resonators. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2019, vol. 125, no. 19, 194902., Registrované v: WOS
18. [1.1] YOO, SeokJae - LEE, Suyeon - CHOE, Jong-Ho - PARK, Q-Han. Causal homogenization of metamaterials. In NANOPHOTONICS. ISSN 2192-8606, 2019, vol. 8, no. 6, pp. 1063-1069., Registrované v: WOS

ADCA501 KOSCHNY, T. - MARKOŠ, Peter - SMITH, D.R. - SOUKOULIS, C.M. Reply to comments on "resonant and antiresonant frequency dependence of the effective parameters of metamaterials". In Physical Review E, 2004, vol. 70, no. 4, 048603. (2003: 2.202 - IF, karentované - CCC). (2004 - Current Contents, SCOPUS). ISSN 2470-0045. Dostupné na: <https://doi.org/10.1103/PhysRevE.70.048603>

Citácie:

1. [1.1] DILTS, James - SIAHMAKOUN, Azad - ALISAFEE, Hossein. Multilayer hyperbolic metamaterial based on alternating TiO₂/Cu layers. In PHOTONIC AND PHONONIC PROPERTIES OF ENGINEERED NANOSTRUCTURES IX. ISSN 0277-786X, 2019, vol. 10927, UNSP 1092711., Registrované v: WOS

ADCA502 KOSCHNY, Th. - MARKOŠ, Peter - ECONOMOU, E.N. - SMITH, D.R. - VIER, D.C. - SOUKOULIS, C.M. Impact of inherent periodic structure on effective medium description of left-handed and related metamaterials. In Physical Review B, 2005, vol. 71, no. 24, 245105. (2004: 3.075 - IF, karentované - CCC). (2005 - Current Contents). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.71.245105>

Citácie:

1. [1.1] VAN BELLE, Lucas - CLAEYS, Claus - DECKERS, Elke - DESMET, Wim. *The impact of damping on the sound transmission loss of locally resonant metamaterial plates*. In *JOURNAL OF SOUND AND VIBRATION*. ISSN 0022-460X, 2019, vol. 461, UNSP 114909., Registrované v: WOS
2. [1.1] WANG, Mengqi - LIN, Ying - LIU, Yiran - YANG, Haibo. *Core-shell structure BaFe12O19@PANI composites with thin matching thickness and effective microwave absorption properties*. In *JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS*. ISSN 0957-4522, 2019, vol. 30, no. 15, pp. 14344-14354., Registrované v: WOS

ADCA503

KOSTIUK, Dmytro - BODIK, Michal - ŠIFFALOVIC, Peter - JERGEL, Matej - HALAHOVETS, Yuriy - HODAS, Martin - PELLETTA, Marco - PELACH, Michal - HULMAN, Martin - ŠPITÁLSKY, Zdenko - OMASTOVÁ, Mária - MAJKOVÁ, Eva. Reliable determination of the few-layer graphene oxide thickness using Raman spectroscopy. In *Journal of Raman Spectroscopy*, 2016, vol. 47, no. 4, p. 391-394. (2015: 2.395 - IF, Q2 - JCR, 1.020 - SJR, Q1 - SJR, karentované - CCC). (2016 - Current Contents). ISSN 0377-0486. Dostupné na: <https://doi.org/10.1002/jrs.4843>

Citácie:

1. [1.1] BERRELLEZ-REYES, F. - ALVAREZ-GARCIA, S. *Insights into the Interaction of Graphene Oxide and Adsorbed RhB by Raman Spectral Deconvoluted Scanning*. In *JOURNAL OF PHYSICAL CHEMISTRY C*. ISSN 1932-7447, DEC 12 2019, vol. 123, no. 49, p. 30021-30027., Registrované v: WOS
2. [1.1] CHENG, Z.W. - ZHANG, B.Z. - AN, X.H. - LU, Z.B. - ZHANG, G.A. - MA, F. - ZHOU, F. *First-Principles Delimitation of the Boundary between Intralayer and Interlayer in Two-Dimensional Structures*. In *JOURNAL OF PHYSICAL CHEMISTRY C*. ISSN 1932-7447, NOV 7 2019, vol. 123, no. 44, p. 26912-26920., Registrované v: WOS
3. [1.1] CROITORU, A. - OPREA, O. - NICOARA, A. - TRUSCA, R. - RADU, M. - NEACSU, I. - FICAI, D. - FICAI, A. - ANDRONESCU, E. *Multifunctional Platforms Based on Graphene Oxide and Natural Products*. In *MEDICINA-LITHUANIA*. ISSN 1010-660X, JUN 2019, vol. 55, no. 6., Registrované v: WOS
4. [1.1] REKHA, M.Y. - SRIVASTAVA, C. *Microstructural Evolution and Corrosion Behavior of ZnNi-Graphene Oxide Composite Coatings*. In *METALLURGICAL AND MATERIALS TRANSACTIONS A-PHYSICAL METALLURGY AND MATERIALS SCIENCE*. ISSN 1073-5623, DEC 2019, vol. 50, no. 12, p. 5896-5913., Registrované v: WOS
5. [1.1] REKHA, M.Y. - SRIVASTAVA, C. *Microstructure and corrosion properties of zinc-graphene oxide composite coatings*. In *CORROSION SCIENCE*. ISSN 0010-938X, MAY 15 2019, vol. 152, p. 234-248., Registrované v: WOS
6. [1.1] WANG, J. - WANG, Y.G. - WANG, T.J. - LI, G.Y. - LOU, R. - CHENG, G.H. - BAI, J. *Nonlinear Optical Response of Graphene Oxide Langmuir-Blodgett Film as Saturable Absorbers*. In *NANOMATERIALS*. ISSN 2079-4991, APR 2019, vol. 9, no. 4., Registrované v: WOS

ADCA504

KOŠIK, J. - BUŽEK, Vladimír. Scattering model for quantum random walks on a hypercube. In *Physical Review A*, 2005, vol. 71, no. 1, 012306. ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.71.012306>

Citácie:

1. [1.1] CHEN, Chih-Chieh - SHIAU, Shiue-Yuan - WU, Ming-Feng - WU, Yuh-Renn. *Hybrid classical-quantum linear solver using Noisy Intermediate-Scale Quantum machines*. In *SCIENTIFIC REPORTS*. ISSN 2045-2322, 2019, vol. 9, 16251., Registrované v: WOS

- ADCA505 KOŠÍK, Jozef - BUŽEK, Vladimír - HILLERY, M. Quantum walks with random phase shifts. In Physical Review A, 2006, vol. 74, no. 2, 022310. (2005: 2.997 - IF, Q1 - JCR, 1.394 - SJR, Q1 - SJR, karentované - CCC). (2006 - Current Contents, SCOPUS). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.74.022310>
Citácie:
1. [1.1] DAI, Wanyang. *Quantum-computing with AI & blockchain: modelling, fault tolerance and capacity scheduling*. In MATHEMATICAL AND COMPUTER MODELLING OF DYNAMICAL SYSTEMS. ISSN 1387-3954, 2019, vol. 25, no. 6, pp. 523-559., Registrované v: WOS
2. [1.1] SEN, Parongama. *Unusual scaling in a discrete quantum walk with random long range steps*. In PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS. ISSN 0378-4371, 2019, vol. 514, pp. 266-273., Registrované v: WOS
- ADCA506 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. (2002: 2.848 - IF, karentované - CCC). (2003 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.68.054318>
Citácie:
1. [1.1] NANDI, Rana - CHAR, Prasanta - PAL, Subrata. *Constraining the relativistic mean-field model equations of state with gravitational wave observations*. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 5, 052802., Registrované v: WOS
2. [1.1] SAHOO, T. - PANDA, R. N. - PATRA, S. K. *Proton emission from the drip-line nuclei I-Bi using the WKB approximation with relativistic mean-field densities*. In CHINESE PHYSICS C. ISSN 1674-1137, 2019, vol. 43, no. 4, 044102., Registrované v: WOS
- ADCA507 KOTULIČ BUNTA, Juraj - GMUCA, Štefan. Hyperons in a relativistic mean-field approach to asymmetric nuclear matter. In Physical Review C, 2004, vol. 70, no. 5, 054309. (2003: 2.708 - IF, karentované - CCC). (2004 - Current Contents, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.70.054309>
Citácie:
1. [1.1] BISWAL, S. K. - PATRA, S. K. - ZHOU, Shan-Gui. *Effects of σ -meson on the EOS, Maximum Masses, and Radii of Hyperon Stars*. In ASTROPHYSICAL JOURNAL. ISSN 0004-637X, 2019, vol. 885, no. 1, 25., Registrované v: WOS
2. [1.1] BISWAL, S. K. *Effects of $\phi(0)$ -meson on the EOS of hyperon star in a relativistic mean field model*. In XIAMEN-CUSTIPEN WORKSHOP ON THE EQUATION OF STATE OF DENSE NEUTRON-RICH MATTER IN THE ERA OF GRAVITATIONAL WAVE ASTRONOMY. ISSN 0094-243X, 2019, vol. 2127, UNSP 020031., Registrované v: WOS
3. [1.1] LIM, Y. - HOLT, J. W. *Bayesian modeling of the nuclear equation of state for neutron star tidal deformabilities and GW170817*. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2019, vol. 55, no. 11, 209., Registrované v: WOS
4. [1.1] LIM, Yeunhwan - HOLT, Jeremy W. - STAHULAK, Robert J. *Predicting the moment of inertia of pulsar J0737-3039A from Bayesian modeling of the nuclear equation of state*. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 3, 035802., Registrované v: WOS
- ADCA508 KOVAL, Vladimír - ŠKORVÁNEK, Ivan - ĎURIŠIN, Juraj - VIOLA, Giusuppe - KOVALČÍKOVÁ, Alexandra - ŠVEC, Peter Jr. - SAKSL, Karel - YAN, Haixue. Terbium-induced phase transitions and weak ferromagnetism in multiferroic bismuth

ferrite ceramics. In *Journal of Materials Chemistry C*, 2017, vol. 5, p. 2669-2685. (2016: 5.256 - IF, Q1 - JCR, 1.825 - SJR, Q1 - SJR, karentované - CCC). (2017 - Current Contents). ISSN 2050-7526. Dostupné na: <https://doi.org/10.1039/c6tc04060h>

Citácie:

1. [1.1] DONG, Juncai - ZHANG, Xiaoli - WANG, Yan - GONG, Yu - AN, Pengfei - LI, Haijing - GUO, Ziyang - HAO, Xinyu - JIA, Quanjie - CHEN, Dongliang. *Local insight into the La-induced structural phase transition in multiferroic BiFeO₃ ceramics by x-ray absorption fine structure spectroscopy*. In *JOURNAL OF PHYSICS-CONDENSED MATTER*. ISSN 0953-8984, 2019, vol. 31, no. 8., Registrované v: WOS
2. [1.1] LAHIRI, Debudutta - CHATTOPADHYAY, Soma - KADUK, J. - SHIBATA, Tomohiro - SHEVCHENKO, Elena V. - PALKAR, Vijayanti R. *XAFS investigation of the correlation of Bi-sublattice disorder with ferromagnetism of multiferroic BiFeO₃ nanoparticle*. In *MATERIALS RESEARCH EXPRESS*. ISSN 2053-1591, 2019, vol. 6, no. 4., Registrované v: WOS
3. [1.1] SATYANARAYANA, Savitha - SARMA, Saurav Ch - PETER, Sebastian C. - BHATTACHARYA, Sarbari. *Magnetic characterization of nano-sized terbium doped bismuth ferrite synthesized by sol-gel method*. In *JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS*. ISSN 0304-8853, 2019, vol. 491., Registrované v: WOS
4. [1.1] VERMA, Kuldeep C. - KOTNALA, R. K. - GOYAL, Navdeep. *Multi-Functionality of Spintronic Materials*. In *NANOELECTRONICS: DEVICES, CIRCUITS AND SYSTEMS*, 2019, pp. 153-215., Registrované v: WOS
5. [1.1] WANG, Ting - SONG, S-H - MA, Qing - TAN, M-L - CHEN, J-J. *Highly improved multiferroic properties of Sm and Nb co-doped BiFeO₃ ceramics prepared by spark plasma sintering combined with sol-gel powders*. In *JOURNAL OF ALLOYS AND COMPOUNDS*. ISSN 0925-8388, 2019, vol. 795, no., pp. 60-68., Registrované v: WOS
6. [1.1] YIN, Zhaoxia - SHENG, Yiding - MA, Guoyan. *Dielectric, multiferroic and magnetodielectric properties of Co/Fe co-doped Bi₄Ti₃O₁₂ ceramics*. In *JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS*. ISSN 0957-4522, 2019, vol. 30, no. 11, pp. 10483-10490., Registrované v: WOS

ADCA509

KOZULIN, E.M. - KNYAZHEVA, G.N. - ITKIS, I.M. - ITKIS, M.G. - BOGACHEV, A.A. - KRUPA, Ľuboš - LOKTEV, T.A. - SMIRNOV, S.V. - ZAGREBAEV, V.I. - AYSTO, J. - TRZASKA, W.H. - RUBCHENYA, V.A. - VARDACI, E. - STEFANINI, A.M. - CINAUSERO, M. - CORRADI, L. - FIORETTO, E. - MASON, P. - PRETE, G.F. - SILVESTRI, R. - BEGNINI, S. - MONTAGNOLI, G. - SCARLASSARA, F. - HANAPPE, F. - KHLEBNIKOV, S.V. - KLIMAN, Ján - BRONDI, A. - DI NITTO, A. - MORO, R. - GELLI, N. - SZILNER, S. *Investigation of the reaction Ni-64+U-238 being an option of synthesizing element 120*. In *Physics Letters B*, 2010, vol. 686, no. 4-5, p. 227-232. (2009: 5.083 - IF, 2.886 - SJR, Q1 - SJR, karentované - CCC). (2010 - Current Contents, WOS, SCOPUS). ISSN 0370-2693. Dostupné na: <https://doi.org/10.1016/j.physletb.2010.02.041>

Citácie:

1. [1.1] KAUR, Gurjit - SHARMA, Manoj K. *Fission mass distribution of various superheavy nuclei and related dynamical analysis*. In *NUCLEAR PHYSICS A*. ISSN 0375-9474, 2019, vol. 990, pp. 79-93., Registrované v: WOS
2. [1.1] KLIMO, J. - VESELSKY, M. - SOULIOTIS, G. A. - BONASERA, A. *Simulation of fusion and quasi-fission in nuclear reactions leading to production of superheavy elements using the Constrained Molecular Dynamics model*. In

NUCLEAR PHYSICS A. ISSN 0375-9474, 2019, vol. 992, UNSP 121640., Registrované v: WOS

3. [1.1] MANJUNATHA, H. C. - SRIDHAR, K. N. *Ti-Induced Fusion Reactions to Synthesis Superheavy Elements. In BRAZILIAN JOURNAL OF PHYSICS. ISSN 0103-9733, 2019, vol. 49, no. 3, pp. 412-422., Registrované v: WOS*

4. [1.1] SEKIZAWA, Kazuyuki. *TDHF Theory and Its Extensions for the Multinucleon Transfer Reaction: A Mini Review. In FRONTIERS IN PHYSICS. ISSN 2296-424X, 2019, vol. 7, 20., Registrované v: WOS*

ADCA510 KRAJČÍ, Marián - HAFNER, Jürgen. Fermi surfaces and electronic transport properties of quasicrystalline approximants. In *Journal of Physics: Condens. Matter.*, 2001, vol. 13, p. 3817-3830. (2000: 1.608 - IF, karentované - CCC). (2001 - Current Contents, WOS, SCOPUS). ISSN 0953-8984. Dostupné na: <https://doi.org/10.1088/0953-8984/13/17/302>

Citácie:

1. [1.1] SPURRIER, Stephen - COOPER, Nigel R. *Theory of quantum oscillations in quasicrystals: Quantizing spiral Fermi surfaces. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 100, no. 8, 081405., Registrované v: WOS*

ADCA511 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. (2001: 1.611 - IF, karentované - CCC). (2002 - Current Contents, WOS, SCOPUS). ISSN 0953-8984. Dostupné na: <https://doi.org/10.1088/0953-8984/14/8/314>

Citácie:

1. [1.1] MACIA BARBER, Enrique. *Chemical Bonding and Physical Properties in Quasicrystals and Their Related Approximant Phases: Known Facts and Current Perspectives. In APPLIED SCIENCES-BASEL, 2019, vol. 9, no. 10, 2132., Registrované v: WOS*

2. [1.1] MENG, Fan-Shun - YAO, Zhen - VSIANSKA, Monika - FRIAK, Martin - SOB, Mojmir. *Theoretical investigations on structural, elastic, thermodynamic and electronic properties of Al₃Ti and Al₃V compounds in L1(2) structure under high pressure. In MATERIALS RESEARCH EXPRESS. ISSN 2053-1591, 2019, vol. 6, no. 5, 056536., Registrované v: WOS*

3. [1.1] ZHANG, Xudong - CHEN, Jiaying - LOU, Guiyan - LI, Jun - WANG, Feng. *Theoretical prediction of new structure, mechanical properties, anisotropy in elasticity and thermodynamic properties of Mo₃Ge material. In VACUUM. ISSN 0042-207X, 2019, vol. 170, UNSP 108978., Registrované v: WOS*

ADCA512 KRAJČÍ, Marián - HAFNER, Jürgen. Covalent bonding and bandgap formation in transition-metal aluminides: di-aluminides of group VIII transition metals. In *Journal of Physics: Condensed Matter*, 2002, vol. 14, no. 23, p. 5755-5783. (2001: 1.611 - IF, karentované - CCC). (2002 - Current Contents, WOS, SCOPUS). ISSN 0953-8984. Dostupné na: <https://doi.org/10.1088/0953-8984/14/23/309>

Citácie:

1. [1.1] MACIA BARBER, Enrique. *Chemical Bonding and Physical Properties in Quasicrystals and Their Related Approximant Phases: Known Facts and Current Perspectives. In APPLIED SCIENCES-BASEL, 2019, vol. 9, no. 10, 2132., Registrované v: WOS*

2. [1.1] MODAK, P. - VERMA, Ashok K. *Pressure induced multi-centre bonding and metal-insulator transition in PtAl₂. In PHYSICAL CHEMISTRY CHEMICAL PHYSICS. ISSN 1463-9076, 2019, vol. 21, no. 24, pp. 13337-13346., Registrované v: WOS*

ADCA513 KRAJČÍ, Marián - TSAI, A.-P. - HAFNER, J. Understanding the selectivity of methanol steam reforming on the (111) surfaces of NiZn, PdZn and PtZn: Insights

from DFT. In *Journal of Catalysis*, 2015, vol. 330, p. 6-18. (2014: 6.921 - IF, Q1 - JCR, 2.688 - SJR, Q1 - SJR, karentované - CCC). (2015 - Current Contents). ISSN 0021-9517. Dostupné na: <https://doi.org/10.1016/j.jcat.2015.06.020>

Citácie:

1. [1.1] CHEN, Minda - HAN, Yong - GOH, Tian Wei - SUN, Rong - MALIGAL-GANESH, Raghu V. - PEI, Yuchen - TSUNG, Chia-Kuang - EVANS, James W. - HUANG, Wenyu. Kinetics, energetics, and size dependence of the transformation from Pt to ordered PtSn intermetallic nanoparticles. In *NANOSCALE*. ISSN 2040-3364, 2019, vol. 11, no. 12, pp. 5336-5345., Registrované v: WOS
2. [1.1] FAN, Feiyue - ZHAO, Long - HOU, Hong - ZHANG, Qi. Insights into the CO Formation Mechanism during Steam Reforming of Dimethyl Ether over NiO/Cu-Based Catalyst. In *INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH*. ISSN 0888-5885, 2019, vol. 58, no. 8, pp. 3440-3449., Registrované v: WOS
3. [1.1] WU, Panpan - YANG, Bo. Intermetallic PdIn catalyst for CO₂ hydrogenation to methanol: mechanistic studies with a combined DFT and microkinetic modeling method. In *CATALYSIS SCIENCE & TECHNOLOGY*. ISSN 2044-4753, 2019, vol. 9, no. 21, pp. 6102-6113., Registrované v: WOS
4. [1.1] WU, Panpan - ZAFFRAN, Jeremie - YANG, Bo. Role of Surface Species Interactions in Identifying the Reaction Mechanism of Methanol Synthesis from CO₂ Hydrogenation over Intermetallic PdIn(310) Steps. In *JOURNAL OF PHYSICAL CHEMISTRY C*. ISSN 1932-7447, 2019, vol. 123, no. 22, pp. 13615-13623., Registrované v: WOS

ADCA514 KRAJČÍ, Marián - HAFNER, J. Selective semi-hydrogenation of acetylene: Atomistic scenario for reactions on the polar threefold surfaces of GaPd. In *Journal of Catalysis*, 2014, vol. 312, p. 232-248. (2013: 6.073 - IF, Q1 - JCR, 2.560 - SJR, karentované - CCC). (2014 - Current Contents). ISSN 0021-9517. Dostupné na: <https://doi.org/10.1016/j.jcat.2014.02.001>

Citácie:

1. [1.1] FIORDALISO, Elisabetta M. - SHARAFUTDINOV, Irek - CARVALHO, Hudson W. P. - KEHRES, Jan - GRUNWALDT, Jan-D. - CHORKENDORFF, Ib - DAMSGAARD, Christian D. Evolution of intermetallic GaPd₂/SiO₂ catalyst and optimization for methanol synthesis at ambient pressure. In *SCIENCE AND TECHNOLOGY OF ADVANCED MATERIALS*. ISSN 1468-6996, 2019, vol. 20, no. 1, pp. 521-531., Registrované v: WOS
2. [1.1] KAMEOKA, Satoshi - KRAJCI, Marian - TSAI, An Pang. Highly selective semi-hydrogenation of acetylene over porous gold with twin boundary defects. In *APPLIED CATALYSIS A-GENERAL*. ISSN 0926-860X, 2019, vol. 569, pp. 101-109., Registrované v: WOS
3. [1.1] RAO, De-Ming - SUN, Tao - YANG, Yu-Sen - YIN, Pan - PU, Min - YAN, Hong - WEI, Min. Theoretical study on the reaction mechanism and selectivity of acetylene semi-hydrogenation on Ni-Sn intermetallic catalysts. In *PHYSICAL CHEMISTRY CHEMICAL PHYSICS*. ISSN 1463-9076, 2019, vol. 21, no. 3, pp. 1384-1392., Registrované v: WOS
4. [1.1] SONG, Yuanjun - LAURSEN, Siris. Control of surface reactivity towards unsaturated C-C bonds and H over Ni-based intermetallic compounds in semi-hydrogenation of acetylene. In *JOURNAL OF CATALYSIS*. ISSN 0021-9517, 2019, vol. 372, pp. 151-162., Registrované v: WOS

ADCA515 KRAJČÍ, Marián - HAFNER, J. Semihydrogenation of acetylene on the (010) surface of GaPd₂: Ga enrichment improves selectivity. In *Journal of Physical Chemistry C*, 2014, vol. 118, no. 23, p. 12285-12301. (2013: 4.835 - IF, Q1 - JCR, 2.134 - SJR, karentované - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN

1932-7447. Dostupné na: <https://doi.org/10.1021/jp5025075>

Citácie:

1. [1.1] HORNUNG, Julius - MUHR, Maximilian - GEMEL, Christian - FISCHER, Roland A. All-zinc coordinated nickel-complexes as molecular mimics for NiZn catalyst surfaces, a density functional theory study. In *DALTON TRANSACTIONS*. ISSN 1477-9226, 2019, vol. 48, no. 31, pp. 11743-11748., Registrované v: WOS
2. [1.1] KAMEOKA, Satoshi - KRAJCI, Marian - TSAI, An Pang. Highly selective semi-hydrogenation of acetylene over porous gold with twin boundary defects. In *APPLIED CATALYSIS A-GENERAL*. ISSN 0926-860X, 2019, vol. 569, pp. 101-109., Registrované v: WOS
3. [1.1] RAO, De-Ming - SUN, Tao - YANG, Yu-Sen - YIN, Pan - PU, Min - YAN, Hong - WEI, Min. Theoretical study on the reaction mechanism and selectivity of acetylene semi-hydrogenation on Ni-Sn intermetallic catalysts. In *PHYSICAL CHEMISTRY CHEMICAL PHYSICS*. ISSN 1463-9076, 2019, vol. 21, no. 3, pp. 1384-1392., Registrované v: WOS
4. [1.1] SONG, Yuanjun - LAURSEN, Siris. Control of surface reactivity towards unsaturated C-C bonds and H over Ni-based intermetallic compounds in semi-hydrogenation of acetylene. In *JOURNAL OF CATALYSIS*. ISSN 0021-9517, 2019, vol. 372, pp. 151-162., Registrované v: WOS

ADCA516 KRAJČÍ, Marián - HAFNER, J. The (210) surface of intermetallic B20 compound GaPd as a selective hydrogenation catalyst: A DFT study. In *Journal of Catalysis*, 2012, vol. 295, p. 70-80. (2011: 6.002 - IF, Q1 - JCR, 3.092 - SJR, Q1 - SJR, karentované - CCC). (2012 - Current Contents). ISSN 0021-9517. Dostupné na: <https://doi.org/10.1016/j.jcat.2012.07.025>

Citácie:

1. [1.1] KAMEOKA, Satoshi - KRAJCI, Marian - TSAI, An Pang. Highly selective semi-hydrogenation of acetylene over porous gold with twin boundary defects. In *APPLIED CATALYSIS A-GENERAL*. ISSN 0926-860X, 2019, vol. 569, pp. 101-109., Registrované v: WOS
2. [1.1] LI, Qingyuan - WANG, Yuxin - SKOPTSOV, George - HU, Jianli. Selective Hydrogenation of Acetylene to Ethylene over Bimetallic Catalysts. In *INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH*. ISSN 0888-5885, 2019, vol. 58, no. 45, pp. 20620-20629., Registrované v: WOS
3. [1.1] RAO, De-Ming - SUN, Tao - YANG, Yu-Sen - YIN, Pan - PU, Min - YAN, Hong - WEI, Min. Theoretical study on the reaction mechanism and selectivity of acetylene semi-hydrogenation on Ni-Sn intermetallic catalysts. In *PHYSICAL CHEMISTRY CHEMICAL PHYSICS*. ISSN 1463-9076, 2019, vol. 21, no. 3, pp. 1384-1392., Registrované v: WOS
4. [1.1] SIMON, Ilka - HORNUNG, Julius - BARTHEL, Juri - THOMAS, Joerg - FINZE, Maik - FISCHER, Roland A. - JANIÁK, Christoph. Synthesis of nickel/gallium nanoalloys using a dual-source approach in 1-alkyl-3-methylimidazole ionic liquids. In *BEILSTEIN JOURNAL OF NANOTECHNOLOGY*. ISSN 2190-4286, 2019, vol. 10, pp. 1754-1767., Registrované v: WOS
5. [1.1] SONG, Yuanjun - LAURSEN, Siris. Control of surface reactivity towards unsaturated C-C bonds and H over Ni-based intermetallic compounds in semi-hydrogenation of acetylene. In *JOURNAL OF CATALYSIS*. ISSN 0021-9517, 2019, vol. 372, pp. 151-162., Registrované v: WOS

ADCA517 KRAJČÍ, Marián - HAFNER, J. Structure and chemical reactivity of the polar three-fold surfaces of GaPd: A density-functional study. In *Journal of Chemical Physics*, 2013, vol. 138, no. 12, 124703. (2012: 3.164 - IF, Q1 - JCR, 1.832 - SJR, Q1 - SJR,

karentované - CCC). (2013 - Current Contents). ISSN 0021-9606. Dostupné na: <https://doi.org/10.1063/1.4795435>

Citácie:

1. [1.1] KETTNER, Miroslav - MAISEL, Sven - STUMM, Corinna - SCHWARZ, Matthias - SCHUSCHKE, Christian - GOERLING, Andreas - LIBUDA, Joerg. *Pd-Ga model SCALMS: Characterization and stability of Pd single atom sites. In JOURNAL OF CATALYSIS. ISSN 0021-9517, 2019, vol. 369, pp. 33-46.,*

Registrované v: WOS

2. [1.1] RAO, De-Ming - SUN, Tao - YANG, Yu-Sen - YIN, Pan - PU, Min - YAN, Hong - WEI, Min. *Theoretical study on the reaction mechanism and selectivity of acetylene semi-hydrogenation on Ni-Sn intermetallic catalysts. In PHYSICAL CHEMISTRY CHEMICAL PHYSICS. ISSN 1463-9076, 2019, vol. 21, no. 3, pp. 1384-1392.,*

Registrované v: WOS

ADCA518 KRAJČÍ, Marián - HAFNER, J. Intermetallic compound AlPd as a selective hydrogenation catalyst: A DFT study. In Journal of Physical Chemistry C, 2012, vol. 116, no. 10, p. 6307-6319. (2011: 4.805 - IF, Q1 - JCR, 2.339 - SJR, Q1 - SJR, karentované - CCC). (2012 - Current Contents). ISSN 1932-7447. Dostupné na: <https://doi.org/10.1021/jp212317u>

Citácie:

1. [1.1] KAMEOKA, Satoshi - KRAJCI, Marian - TSAI, An Pang. *Highly selective semi-hydrogenation of acetylene over porous gold with twin boundary defects. In APPLIED CATALYSIS A-GENERAL. ISSN 0926-860X, 2019, vol. 569, pp. 101-109.,*

Registrované v: WOS

2. [1.1] SONG, Yuanjun - LAURSEN, Siris. *Control of surface reactivity towards unsaturated C-C bonds and H over Ni-based intermetallic compounds in semi-hydrogenation of acetylene. In JOURNAL OF CATALYSIS. ISSN 0021-9517, 2019, vol. 372, pp. 151-162.,*

Registrované v: WOS

3. [1.1] WANG, Jianfeng - HAO, Wenshu - MA, Li-Juan - JIA, Jianfeng - WU, Hai-Shun. *The effect of interstitial boron on the mechanisms of acetylene hydrogenation catalyzed by Pd-6: A DFT study. In COMPUTATIONAL AND THEORETICAL CHEMISTRY. ISSN 2210-271X, 2019, vol. 1170, 112636.,*

Registrované v: WOS

4. [1.1] WANG, Jianfeng - HAO, Wenshu - MA, Li-Juan - JIA, Jianfeng - WU, Hai-Shun. *The structures, stabilities and electronic properties of Pd_nB (n=1-10) clusters. In COMPUTATIONAL AND THEORETICAL CHEMISTRY. ISSN 2210-271X, 2019, vol. 1164, 112554.,*

Registrované v: WOS

5. [1.1] YU, Hongbo - TANG, Weiqiang - LI, Kaijie - YIN, Hongfeng - ZHAO, Shuangliang - ZHOU, Shenghu. *Design of Cu-based intermetallic nanocrystals for enhancing hydrogenation selectivity. In CHEMICAL ENGINEERING SCIENCE. ISSN 0009-2509, 2019, vol. 196, pp. 402-413.,*

Registrované v: WOS

ADCA519 KRAJŇÁK, Tomáš** - MINÁRIK, Peter - STRÁSKÁ, Jitka - GUBICZA, Jenő - MÁTHIS, Kristián - JANEČEK, Miloš. Influence of the initial state on the microstructure and mechanical properties of AX41 alloy processed by ECAP. In The Journal of Materials Science, 2019, vol. 54, no. 4, p. 3469 -3484. (2018: 3.442 - IF, Q2 - JCR, 0.823 - SJR, Q1 - SJR, karentované - CCC). (2019 - Current Contents). ISSN 0022-2461. Dostupné na: <https://doi.org/10.1007/s10853-018-3033-6>

Citácie:

1. [1.1] MARTYNENKO, N. - LUKYANOVA, E. - SEREBRYANY, V - PROSVIRNIN, D. - TEREENTIEV, V - RAAB, G. - DOBATKIN, S. - ESTRIN, Y. *Effect of equal channel angular pressing on structure, texture, mechanical and in-service properties of a biodegradable magnesium alloy. In MATERIALS LETTERS. ISSN 0167-577X, 2019, vol. 238, pp. 218-221.,*

Registrované v: WOS

2. [1.1] ZHANG, Huijing - ZHAO, Xiaohui - XU, Desheng - LIU, Yu - QIU, Xiaoming. *New insight into high frequency impacting and rolling of 2A12 aluminum welded joint involving nanocrystallization*. In *APPLIED SURFACE SCIENCE*. ISSN 0169-4332, 2019, vol. 488, pp. 115-127., Registrované v: WOS

KRAJŇÁK, Tomáš** - MINÁRIK, P. - STRÁSKÁ, J. - GUBICZA, J. - MÁTHIS, K. - JANEČEK, M. *Influence of equal channel angular pressing temperature on texture, microstructure and mechanical properties of extruded AX41 magnesium*. In *Journal of Alloys and Compounds*, 2017, vol. 705, p. 273-282. (2016: 3.133 - IF, Q1 - JCR, 0.954 - SJR, Q1 - SJR, karentované - CCC). (2017 - Current Contents). ISSN 0925-8388. Dostupné na: <https://doi.org/10.1016/j.jallcom.2017.02.061>

Citácie:

1. [1.1] HA, Changwan - BOHLEN, Jan - YI, Sangbong - ZHOU, Xiaohua - BROKMEIER, Heinz-Guenter - SCHELL, Norbert - LETZIG, Dietmar - KAINER, Karl Ulrich. *Influence of Nd or Ca addition on the dislocation activity and texture changes of Mg-Zn alloy sheets under uniaxial tensile loading*. In *MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING*. ISSN 0921-5093, 2019, vol. 761, 138053., Registrované v: WOS
2. [1.1] KHORASANI, F. - EMAMY, M. - MALEKAN, M. - MIRZADEH, H. - POURBAHARI, B. - KRAJNAK, T. - MINARIK, P. *Enhancement of the microstructure and elevated temperature mechanical properties of as-cast Mg-Al₂Ca-Mg₂Ca in-situ composite by hot extrusion*. In *MATERIALS CHARACTERIZATION*. ISSN 1044-5803, 2019, vol. 147, pp. 155-164., Registrované v: WOS
3. [1.1] SHI, Xiaofang - LI, Wei - HU, Weiwei - TAN, Yun - ZHANG, Zhenglai - TIAN, Liang. *Effect of ECAP on the Microstructure and Mechanical Properties of a Rolled Mg-2Y-0.6Nd-0.6Zr Magnesium Alloy*. In *CRYSTALS*. ISSN 2073-4352, 2019, vol. 9, no. 11, 586., Registrované v: WOS
4. [1.1] TAN, Yun - LI, Wei - HU, Weiwei - SHI, Xiaofang - TIAN, Liang. *The Effect of ECAP Temperature on the Microstructure and Properties of a Rolled Rare Earth Magnesium Alloy*. In *MATERIALS*. ISSN 1996-1944, 2019, vol. 12, no. 9, 1554., Registrované v: WOS
5. [1.1] TONG, L. B. - CHU, J. H. - JIANG, Z. H. - KAMADO, S. - ZHENG, M. Y. *Ultra-fine grained Mg-Zn-Ca-Mn alloy with simultaneously improved strength and ductility processed by equal channel angular pressing*. In *JOURNAL OF ALLOYS AND COMPOUNDS*. ISSN 0925-8388, 2019, vol. 785, pp. 410-421., Registrované v: WOS
6. [1.1] WANG, Ce - MA, Aibin - SUN, Jiapeng - LIU, Huan - HUANG, He - YANG, Zhenquan - JIANG, Jinghua. *Effect of ECAP process on as-cast and as-homogenized Mg-Al-Ca-Mn alloys with different Mg₂Ca morphologies*. In *JOURNAL OF ALLOYS AND COMPOUNDS*. ISSN 0925-8388, 2019, vol. 793, pp. 259-270., Registrované v: WOS
7. [1.1] WANG, Zongshen - GUAN, Yanjin - WANG, Tao - ZHANG, Qian - WEI, Xiuting - FANG, Xiaoying - ZHU, Guangming - GAO, Shan. *Microstructure and mechanical properties of AZ31 magnesium alloy sheets processed by constrained groove pressing*. In *MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING*. ISSN 0921-5093, 2019, vol. 745, pp. 450-459., Registrované v: WOS
8. [1.1] XU, Qiong - MA, Aibin - LI, Yuhua - SALEH, Bassiouny - YUAN, Yuchun - JIANG, Jinghua - NI, Chaoying. *Enhancement of Mechanical Properties and Rolling Formability in AZ91 Alloy by RD-ECAP Processing*. In *MATERIALS*,

- 2019, vol. 12, no. 21, 3503., Registrované v: WOS
- ADCA521 KRAUS, L. - BYDŽOVSKÝ, J. - ŠVEC, Peter. Continuous stress annealing of amorphous ribbons for strain sensing applications. In Sensors and Actuators A, 2003, vol. 106, no. 1-3, p. 117-120. Dostupné na: [https://doi.org/10.1016/S0924-4247\(03\)00147-X](https://doi.org/10.1016/S0924-4247(03)00147-X)
- Citácie:
- [1.1] HRISTOFOROU, Evangelos - KTENA, Aphrodite - GONG, Shengkai. Magnetic Sensors: Taxonomy, Applications, and New Trends. In IEEE TRANSACTIONS ON MAGNETICS. ISSN 0018-9464, 2019, vol. 55, no. 7, 4002814., Registrované v: WOS
 - [1.1] YAMAZAKI, Takahiro - FURUYA, Yasubumi - NAKAO, Wataru. Experimental evaluation of domain wall dynamics by Barkhausen noise analysis in Fe₃₀Co₇₀ magnetostrictive alloy wire. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2019, vol. 475, pp. 240-248., Registrované v: WOS
- ADCA522 KRAUS, L. - HASLAR, V. - DUHAJ, Pavol - ŠVEC, Peter - STUDNIČKA, V. The structure and magnetic properties of nanocrystalline Co₂₁Fe₆₄-xNbxB₁₅ alloys. In Materials Science and Engineering A, 1997, vol. 226, p. 626-630. (1996: 0.852 - IF, karentované - CCC). (1997 - Current Contents, WOS, SCOPUS). ISSN 0921-5093. Dostupné na: [https://doi.org/10.1016/s0921-5093\(96\)10696-1](https://doi.org/10.1016/s0921-5093(96)10696-1)
- Citácie:
- [1.1] FANG, Kaixuan - ZHANG, Yingqi - ZHANG, Zhengjun - CHEN, Na. Crystallization-induced semiconductor-metal transition in an amorphous CoFeTaBO magnetic semiconductor nanocomposite. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2019, vol. 797, pp. 606-611., Registrované v: WOS
- ADCA523 KRAUS, L. - HASLAR, V. - ZAVETA, K. - POKORNY, J. - DUHAJ, Pavol - POLAK, C. An amorphous magnetic bimetallic sensor material. In Journal of Applied Physics, 1995, vol. 78, no. 10, p. 6157-6164. ISSN 0034-6748. Dostupné na: <https://doi.org/10.1063/1.360559>
- Citácie:
- [1.1] CHEN, Yonghui - MAAZ, Khan - LYU, Shuangbao - CHENG, Yaxiong - LIU, Jie. Fabrication and temperature dependent magnetic properties of Co-Ni nanotube arrays. In PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES. ISSN 1386-9477, 2019, vol. 110, pp. 123-126., Registrované v: WOS
- ADCA524 KRAUS, L. - ŽIVOTSKÝ, O. - POSTAVA, K. - ŠVEC, Peter - JANIČKOVIČ, Dušan. Exchange bias in surface-crystalline Fe-Nb-B ribbons. In IEEE Transactions on Magnetics, 2008, vol. 44, no. 11, p. 3875-3878. (2007: 0.959 - IF, Q2 - JCR, 0.764 - SJR, Q1 - SJR, karentované - CCC). (2008 - Current Contents). ISSN 0018-9464. Dostupné na: <https://doi.org/10.1109/TMAG.2008.2002247>
- Citácie:
- [1.1] MIRZAEI, S. - SAGHAFIAN, H. - BEITOLLAHI, A. - SWIERCZEK, J. - TIBERTO, P. Effect of Heat Treatment on the Microstructure and Soft Magnetic Properties of the Amorphous Fe-B-P-Cu Alloy. In IRANIAN JOURNAL OF MATERIALS SCIENCE AND ENGINEERING. ISSN 1735-0808, 2019, vol. 16, no. 3, pp. 1-11., Registrované v: WOS
 - [1.1] MURUGAIYAN, Premkumar - MITRA, Amitava - PATRO, Arun Kumar - ROY, Rajat K. - CHURYUKANOVA, M. - KALOSHKIN, S. - SHUVAEVA, E. - PANDA, Ashis K. Role of P on amorphization, microstructure, thermo-physical and soft magnetic properties of Fe-rich FeB(P)SiNbCu melt-spun alloys. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853,

- 2019, vol. 492, UNSP 165723., Registrované v: WOS
- ADCA525 KRČMÁR, Roman - GENZOR, Jozef - LEE, Yoju - ČENČARIKOVÁ, Hana - NISHINO, Tomotoshi - GENDIAR, Andrej. Tensor-network study of a quantum phase transition on the Sierpinski fractal. In Physical Review E, 2018, vol. 98, no. 6, art. no. 062114. (2017: 2.284 - IF, Q1 - JCR, 0.979 - SJR, Q1 - SJR, karentované - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 2470-0045. Dostupné na: <https://doi.org/10.1103/PhysRevE.98.062114>
- Citácie:
1. [1.1] AKIYAMA, Shinichiro - KURAMASHI, Yoshinobu - YAMASHITA, Takumi - YOSHIMURA, Yusuke. Phase transition of four-dimensional Ising model with higher-order tensor renormalization group. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 100, no. 5, 054510., Registrované v: WOS
- ADCA526 KRČMÁR, Roman - GENDIAR, Andrej - NISHINO, T. Phase diagram of a truncated tetrahedral model. In Physical Review E, 2016, vol. 94, no. 2, 022134. (2015: 2.252 - IF, Q1 - JCR, 1.183 - SJR, Q1 - SJR, karentované - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 2470-0045. Dostupné na: <https://doi.org/10.1103/PhysRevE.94.022134>
- Citácie:
1. [1.1] ALEXANDRU, Andrei - BEDAQUE, Paulo F. - HARMALKAR, Siddhartha - LAMM, Henry - LAWRENCE, Scott - WARRINGTON, Neill C. Gluon field digitization for quantum computers. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 100, no. 11, 114501., Registrované v: WOS
2. [1.1] ALEXANDRU, Andrei - BEDAQUE, Paulo F. - LAMM, Henry - LAWRENCE, Scott. sigma Models on Quantum Computers. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 123, no. 9, 090501., Registrované v: WOS
3. [1.1] GANGAT, Adil A. - KAO, Ying-Jer. Phase boundary location with information-theoretic entropy in tensor renormalization group flows. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 100, no. 9, 094430., Registrované v: WOS
- ADCA527 KRČMÁR, Roman - ŠAMAJ, Ladislav. Reentrant disorder-disorder transitions in generalized multicomponent Widom-Rowlinson models. In Physical Review E. Statistical, Nonlinear and Soft Matter Physics, 2015, vol. 92, no. 5, 052103. (2014: 2.288 - IF, Q1 - JCR, 1.244 - SJR, Q1 - SJR, karentované - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 2470-0045. Dostupné na: <https://doi.org/10.1103/PhysRevE.92.052103>
- Citácie:
1. [1.1] GANGAT, Adil A. - KAO, Ying-Jer. Phase boundary location with information-theoretic entropy in tensor renormalization group flows. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 100, no. 9, 094430., Registrované v: WOS
- ADCA528 KRÍŽIK, Peter - BALOG, Martin - MAŤKO, Igor - ŠVEC, Peter - ČAVOJSKÝ, Miroslav - SIMANČÍK, František. The effect of a particle-matrix interface on the Young's modulus of Al-SiC composites. In Journal of Composite Materials, 2016, vol. 50, no. 1, p. 99-108. (2015: 1.242 - IF, Q2 - JCR, 0.573 - SJR, Q2 - SJR, karentované - CCC). (2016 - Current Contents). ISSN 0021-9983. Dostupné na: <https://doi.org/10.1177/0021998315571028>
- Citácie:
1. [1.1] CHEN, Chun-Liang - LIN, Chen-Han. In-situ dispersed La oxides of Al6061 composites by mechanical alloying. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2019, vol. 775, no., pp. 1156-1163., Registrované v: WOS

2. [1.1] HASSANZADEH-AGHDAM, Mohammad K. Micromechanics-based thermal expansion characterization of SiC nanoparticle-reinforced metal matrix nanocomposites. In *PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART C-JOURNAL OF MECHANICAL ENGINEERING SCIENCE*. ISSN 0954-4062, 2019, vol. 233, no. 1, pp. 190-201., Registrované v: WOS
3. [1.1] LI, Yan - CAO, Jun - WILLIAMS, Cyril. Competing failure mechanisms in metal matrix composites and their effects on fracture toughness. In *MATERIALIA*. ISSN 2589-1529, 2019, vol. 5, no., pp., Registrované v: WOS
4. [1.1] WU, Dongxu - HUANG, Congliang - WANG, Yukai - AN, Yi - GUO, Chuwen. Utilization of SiC and Cu Particles to Enhance Thermal and Mechanical Properties of Al Matrix Composites. In *MATERIALS*, 2019, vol. 12, no. 17, 2770., Registrované v: WOS

ADCA529 KRIŽIK, Peter - BALOG, Martin - ILLEKOVÁ, Emília - ŠVEC, Peter - MAŤKO, Igor - ŠTĚPÁNEK, Matěj - NOSKO, Martin - SIMANČÍK, František. The oxidation behavior of gas-atomized Al and Al alloy powder green compacts during heating before hot extrusion and the suggested heating process. In *Journal of Materials Processing Technology*, 2014, vol.214, p.1165-1172. (2013: 2.041 - IF, Q1 - JCR, 1.717 - SJR, karentované - CCC). (2014 - Current Contents). ISSN 0924-0136. Dostupné na: <https://doi.org/10.1016/j.jmatprotec.2014.01.003>

Citácie:

1. [1.1] REN, Jian - WANG, Richu - FENG, Yan - PENG, Chaoqun - CAI, Zhiyong. Microstructure evolution and mechanical properties of an ultrahigh strength Al-Zn-Mg-Cu-Zr-Sc (7055) alloy processed by modified powder hot extrusion with post aging. In *VACUUM*. ISSN 0042-207X, 2019, vol. 161, pp. 434-442., Registrované v: WOS

ADCA530 KUBIČÁR, Ľudovít - BOHÁČ, Vlastimil. A step-wise method for measuring thermophysical parameters of materials. In *Measurement Science and Technology*, 2000, vol. 11, no. 3, p. 252-258. (1999: 0.850 - IF, karentované - CCC). (2000 - Current Contents). ISSN 0957-0233. Dostupné na: <https://doi.org/10.1088/0957-0233/11/3/312>

Citácie:

1. [1.1] KONIORCZYK, P. - ZMYWACZYK, J. - WIELGOSZ, M. Step-wise transient method for analysis of thermal properties of materials Part 2. Experimental investigations. In *THERMOCHIMICA ACTA*. ISSN 0040-6031, 2019, vol. 681, 178376., Registrované v: WOS
2. [1.1] KONIORCZYK, P. - ZMYWACZYK, J. - WIELGOSZ, M. Step-wise transient method for analysis of thermal properties of materials part 1. Theoretical considerations. In *THERMOCHIMICA ACTA*. ISSN 0040-6031, 2019, vol. 682, 178429., Registrované v: WOS
3. [1.1] SABAPATHY, Karthik A. - GEDUPUDI, Sateesh. Straw bale based constructions: Measurement of effective thermal transport properties. In *CONSTRUCTION AND BUILDING MATERIALS*. ISSN 0950-0618, 2019, vol. 198, pp. 182-194., Registrované v: WOS

ADCA531 KUBIČÁR, Ľudovít - BOHÁČ, Vlastimil - VRETENÁR, Viliam - BARTA, Š. - NEUER, G. - BRANDT, R. Thermophysical properties of heterogeneous structures measured by pulse transient method. In *International Journal of Thermophysics*, 2005, vol. 26, no. 6, p. 1949-1962. ISSN 0195-928X. Dostupné na: <https://doi.org/10.1007/s10765-005-8607-2>

Citácie:

1. [1.1] ZHANG, Yuan - WAN, Zhijun - MA, Zhaoyang - GU, Bin - MA, Yangsheng. HEAT TRANSFER ANALYSIS OF SURROUNDING ROCKS WITH THERMAL INSULATION LAYER IN HIGH GEOTHERMAL ROADWAY. In

THERMAL SCIENCE. ISSN 0354-9836, 2019, vol. 23, no. 2, pp. 777-790.,

Registrované v: WOS

- ADCA532 KUBIČÁR, Ľudovít - VRETENÁR, Viliam - HAMMERSCHMIDT, U. Thermophysical parameters of optical glass BK 7 measured by the pulse transient method. In International Journal of Thermophysics, 2005, vol. 26, no. 2, p. 507-518. ISSN 0195-928X. Dostupné na: <https://doi.org/10.1007/s10765-005-4512-y>

Citácie:

1. [1.1] *BYKOVSKII, N. E. - SENATSKII, Yu. On the Mechanism of Absorption and Restoration of Radiation Transmission in the Channel of Small-Scale Self-Focusing of a Short Laser Pulse in Neodymium Glass. In PHYSICS OF THE SOLID STATE. ISSN 1063-7834, 2019, vol. 61, no. 11, pp. 2110-2116.,*

Registrované v: WOS

2. [1.1] *MIAO, Sheqiang - ZHOU, Yongsheng - LI, Heping. Thermal Diffusivity of Lherzolite at High Pressures and High Temperatures Using Pulse Method. In JOURNAL OF EARTH SCIENCE. ISSN 1674-487X, 2019, vol. 30, no. 1, pp. 218-222., Registrované v: WOS*

- ADCA533 KUBIČÁR, Ľudovít - BOHÁČ, Vlastimil. Intercomparison measurements by pulse transient and stepwise transient methods on Perspex and stainless steel A310. In High Temperatures-High Pressures, 2002, vol. 34, no. 2, p. 135-146. (2001: 0.327 - IF). ISSN 0018-151X. Dostupné na: <https://doi.org/10.1068/htwu134>

Citácie:

1. [1.1] *STAROSTIN, Aleksandr A. - LUK', YANOV, Kirill - SMOTRITSKIY, Aleksandr A. - SKRIPOV, Pavel. Investigation of not fully stable fluids by the method of controlled pulse heating. 4. Evaluation of PMMA thermophysical properties up to 673 K. In THERMOCHIMICA ACTA. ISSN 0040-6031, 2019, vol. 682, 178416., Registrované v: WOS*

- ADCA534 KUBIČÁR, Ľudovít - VRETENÁR, Viliam - ŠTOFANIK, Vladimír, 1975- - BOHÁČ, Vlastimil. Hot-ball method for measuring thermal conductivity. In International Journal of Thermophysics, 2010, vol. 31, no. 10, p. 1904-1918. (2009: 0.702 - IF, Q3 - JCR, 0.469 - SJR, Q3 - SJR, karentované - CCC). (2010 - Current Contents, WOS, SCOPUS). ISSN 0195-928X. Dostupné na: <https://doi.org/10.1007/s10765-008-0544-4>

Citácie:

1. [1.1] *FLORES CUAUTLE, J. J. A. - ARIAS, N. P. - SANDOVAL GONZALEZ, O. O. - MARTINEZ SIBAJA, A. - LANDETA ESCAMILLA, O. - RIVERA VARGAS, A. Investigation of Thermal Conductivity by Hot Ball Method and its Correlation with Soil Quality Index of Veracruz Sugarcane Soil. In SUGAR TECH. ISSN 0972-1525, 2019, vol. 21, no. 3, pp. 407-414., Registrované v: WOS*

- ADCA535 KULIK, T. - VLASÁK, Gabriel - ZUBEREK, R. Correlation between microstructure and magnetic properties of amorphous and nanocrystalline Fe_{73.5}Cu₁Nb₃Si_{16.5}B₆. In Materials Science and Engineering A - Structural Materials Properties Microstructure and Processing, 1997, vol. 226, p. 701-705. (1996: 0.852 - IF, karentované - CCC). (1997 - Current Contents, WOS, SCOPUS). ISSN 0921-5093. Dostupné na: [https://doi.org/10.1016/s0921-5093\(97\)80074-3](https://doi.org/10.1016/s0921-5093(97)80074-3)

Citácie:

1. [1.1] *ZHU, Qianke - CHEN, Zhe - ZHANG, Shuling - LI, Qiushu - JIAN, Yong - WU, Peixuan - ZHANG, Kewei. Improving soft magnetic properties in FINEMET-like alloys with Ga addition. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2019, vol. 487, UNSP 165297., Registrované v: WOS*

- ADCA536 KUNCA, Branislav - MARCIN, Jozef - ŠVEC, Peter Jr. - KOVÁČ, J. - ŠVEC, Peter - ŠKORVÁNEK, Ivan. Influence of Co Doping on Induced Anisotropy and Domain

Structure in Magnetic Field Annealed (Fe_{1-x}Cox)(79)Mo₈Cu₁B₁₂. In Acta Physica Polonica A, 2017, vol. 131, no. 4, p. 759-761. (2016: 0.469 - IF, Q4 - JCR, 0.227 - SJR, Q4 - SJR, karentované - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 1898-794X. Dostupné na: <https://doi.org/10.12693/APhysPolA.131.759>

Citácie:

1. [1.1] YU, Wanqiu - LU, Liping - ZUO, Bin - HUA, Zhong - XING, Guoliang - WANG, Xinying - WANG, Dandan. Tailoring magnetic characteristics of (Fe_{1-x}Cox)(81)Zr₉B₁₀ amorphous alloys via engineering crystallization processes. In APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING. ISSN 0947-8396, 2019, vol. 125, no. 9, art. no. 636., Registrované v: WOS

- ADCA537 KUNDRACIK, F. - HARTMANOVÁ, Mária - MÜLLEROVÁ, J. - JERGEL, Matej - KOSTIČ, Ivan - TUCOULOU, R. Ohmic resistance of thin yttria stabilized zirconia film and electrode-electrolyte contact area. In Materials Science and Engineering, 2001, vol. B 84, no. 3, p. 167-175. (2000: 0.592 - IF, karentované - CCC). (2001 - Current Contents, SCOPUS). ISSN 0921-5107. Dostupné na: [https://doi.org/10.1016/S0921-5107\(01\)00515-3](https://doi.org/10.1016/S0921-5107(01)00515-3)

Citácie:

1. [1.1] ALIRAMEZANI, Masoud - KOCH, Charles Robert - SECANELL, Marc - HAYES, Robert E. - PATRICK, Ron. An electrochemical model of an amperometric NO_x sensor. In SENSORS AND ACTUATORS B-CHEMICAL. ISSN 0925-4005, 2019, vol. 290, pp. 302-311., Registrované v: WOS

- ADCA538 KVASIL, J. - NESTERENKO, V.O. - REPKO, Anton - KLEINIG, W. - REINHARD, P.-G. Deformation-induced splitting of the isoscalar E₀ giant resonance: Skyrme random-phase-approximation analysis. In Physical Review C. Nuclear Physics, 2016, vol. 94, no. 6, 064302. (2015: 3.146 - IF, Q2 - JCR, 1.993 - SJR, Q1 - SJR, karentované - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.94.064302>

Citácie:

1. [1.1] SUN, Xuwei - CHEN, Jing - LU, Dinghui. Effects of the gamma-soft isomeric states on the giant monopole resonances in even-even cadmium isotopes Cd-110, Cd-112, Cd-114, Cd-116. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 5, 054605., Registrované v: WOS

- ADCA539 LAI, W.K. - BUŽEK, Vladimír - KNIGHT, P.L. Nonclassical fields in a linear directional coupler. In Physical Review A, 1991, vol. 43, no. 11, p. 6323-6336. ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.43.6323>

Citácie:

1. [1.1] QUIROZ-JUAREZ, Mario A. - PEREZ-LEIJA, Armando - TSCHERNIG, Konrad - RODRIGUEZ-LARA, Blas M. - MAGANA-LOAIZA, Omar S. - BUSCH, Kurt - JOGLEKAR, Yogesh N. - LEON-MONTIEL, Roberto de J. Exceptional points of any order in a single, lossy waveguide beam splitter by photon-number-resolved detection. In PHOTONICS RESEARCH. ISSN 2327-9125, 2019, vol. 7, no. 8, pp. 862-867., Registrované v: WOS

- ADCA540 LÁNYI, Štefan - PISANI, M. A high-input-impedance buffer. In IEEE Transactions on Circuits and Systems, 2002, vol. 49, no. 8, p. 1209-1211. ISSN 0098-4094. Dostupné na: <https://doi.org/10.1109/TCSI.2002.801287>

Citácie:

1. [1.1] LEE, Seungchan - SHIN, Younghak - KUMAR, Anil - KIM, Kiseon - LEE, Heung-No. Two-Wired Active Spring-Loaded Dry Electrodes for EEG Measurements. In SENSORS, 2019, vol. 19, no. 20, 4572., Registrované v: WOS

- ADCA541 LÁNYI, Štefan - HRUŠKOVIC, M. Linearization of inverse-capacitance-based displacement transducers. In Measurement Science and Technology. - Bristol : Institute of Physics Publishing, 2001, vol. 12, no. 1, p. 77-81. ISSN 0957-0233.

Dostupné na: <https://doi.org/10.1088/0957-0233/12/1/310>

Citácie:

1. [1.1] ISLAM, Tarikul - MUKHOPADHYAY, S. C. *Linearization of the sensors characteristics: a review. In INTERNATIONAL JOURNAL ON SMART SENSING AND INTELLIGENT SYSTEMS. ISSN 1178-5608, 2019, vol. 12, no. 1., Registrované v: WOS*

ADCA542 LÁNYI, Štefan. The noise of input stages with low parasitic capacitance. In Measurement Science and Technology. - Bristol : Institute of Physics Publishing, 2001, vol. 12, no. 9, p. 1456-1464. ISSN 0957-0233. Dostupné na: <https://doi.org/10.1088/0957-0233/12/9/311>

Citácie:

1. [1.1] LEE, Seungchan - SHIN, Younghak - KUMAR, Anil - KIM, Kiseon - LEE, Heung-No. *Two-Wired Active Spring-Loaded Dry Electrodes for EEG Measurements. In SENSORS, 2019, vol. 19, no. 20, 4572., Registrované v: WOS*

ADCA543 LARSEN, A.C. - GUTTORMSEN, M. - KRTIČKA, M. - BĚTÁK, Emil - BURGER, A. - GORGEN, A. - NYHUS, H.T. - REKSTAD, J. - SCHILLER, A. - SIEM, S. - TOFT, H.K. - TVETEN, G.M. - VOINOV, A.V. - WIKAN, K. Analysis of possible systematic errors in the Oslo method. In Physical Review C, 2011, vol. 83, no. 3, 034315. (2010: 3.416 - IF, 2.409 - SJR, Q1 - SJR, karentované - CCC). (2011 - Current Contents). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.83.034315>

Citácie:

1. [1.1] HOROWITZ, C. J. - ARCONES, A. - COTE, B. - DILLMANN, I - NAZAREWICZ, W. - ROEDERER, I. U. - SCHATZ, H. - APRAHAMIAN, A. - ATANASOV, D. - BAUSWEIN, A. - BEERS, T. C. - BLISS, J. - BRODEUR, M. - CLARK, J. A. - FREBEL, A. - FOUCART, F. - HANSEN, C. J. - JUST, O. - KANKAINEN, A. - MCLAUGHLIN, G. C. - KELLY, J. M. - LIDDICK, S. N. - LEE, D. M. - LIPPUNER, J. - MARTIN, D. - MENDOZA-TEMIS, J. - METZGER, B. D. - MUMPOWER, M. R. - PERDIKAKIS, G. - PEREIRA, J. - O'SHEA, B. W. - REIFARTH, R. - ROGERS, A. M. - SIEGEL, D. M. - SPYROU, A. - SURMAN, R. - TANG, X. - UESAKA, T. - WANG, M. *r-process nucleosynthesis: connecting rare-isotope beam facilities with the cosmos. In JOURNAL OF PHYSICS G- NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2019, vol. 46, no. 8, 083001., Registrované v: WOS*

2. [1.1] JOVANCEVIC, N. - MITSYNA, L. V. - SUKHOVOJ, A. M. - KNEZEVIC, D. - KRMAR, M. - PETROVIC, J. - OBERSTEDT, S. - DRAGIC, A. - HAMBSCH, F.J. - CONG, V. D. *Study of Nuclear Structure Parameters by Using the (n(th), 2(gamma)) Reaction. In JOURNAL OF THE KOREAN PHYSICAL SOCIETY. ISSN 0374-4884, 2019, vol. 75, no. 2, pp. 100-116., Registrované v: WOS*

3. [1.1] LANGANKE, K. - MARTINEZ-PINEDO, G. *The role of giant resonances in nuclear astrophysics: An overview. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2019, vol. 55, no. 12, 226., Registrované v: WOS*

4. [1.1] SODERSTROM, P-A - CAPPONI, L. - IANCU, V - LATTUADA, D. - PAPPALARDO, A. - TURTURICA, G. - ACIKSOZ, E. - BALABANSKI, D. L. - CONSTANTIN, P. - GUARDO, G. L. - ILIE, M. - ILIE, S. - MATEI, C. - NICHITA, D. - PETRUSE, T. - SPATARU, A. *Unfolding of sparse high-energy gamma-ray spectra from LaBr3:Ce detectors. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, 2019, vol. 14, T11007., Registrované v: WOS*

ADCA544 LEE, K. - WEIS, Martin Jr. - LIN, J. - TAGUCHI, D. - MAJKOVÁ, Eva - MANAKA, T. - IWAMOTO, M. Trapping effect of metal nanoparticle mono- and multilayer in the organic field-effect transistor. In Journal of Applied Physics, 2011, vol. 109, no. 6, 064512. (2010: 2.079 - IF, Q2 - JCR, 1.484 - SJR, Q1 - SJR,

karentované - CCC). (2011 - Current Contents). ISSN 0021-8979. Dostupné na:
<https://doi.org/10.1063/1.3567916>

Citácie:

1. [1.1] SANG, Lingzi - PEMBERTON, Jeanne E. Penetration and Reaction Depths of Vapor Deposited Ag, Mg, Al, and Ca on Oligothiophene Thin Films. In CHEMISTRY OF MATERIALS. ISSN 0897-4756, 2019, vol. 31, no. 17, pp. 6908-6917., Registrované v: WOS

- ADCA545 LEFAIX, H. - PRIMA, F. - ZANNA, S. - VERMAUT, P. - DUBOT, P. - MARCUS, P. - JANIČKOVIČ, Dušan - ŠVEC, Peter. Surface properties of a nano-quasicrystalline forming Ti based system. In Materials Transactions, 2007, vol. 48, no. 3, p. 278-286. (2006: 0.927 - IF, Q1 - JCR, 0.885 - SJR, Q1 - SJR). ISSN 1345-9678. Dostupné na: <https://doi.org/10.2320/matertrans.48.278>

Citácie:

1. [1.1] ZHANG, Li - GUO, Junhong - XING, Yongming. Nonlocal analytical solution of functionally graded multilayered one-dimensional hexagonal piezoelectric quasicrystal nanoplates. In ACTA MECHANICA. ISSN 0001-5970, 2019, vol. 230, no. 5, pp. 1781-1810., Registrované v: WOS

- ADCA546 LEO, G. - CHUSHKIN, Jurij - LUBY, Štefan - MAJKOVÁ, Eva - KOSTIČ, Ivan - ULMEANU, M. - LUCHES, A. - GIERSIG, Michael - HILGENDORFF, M. Ordering of free-standing Co nanoparticles. In Materials Science and Engineering C - Biomimetic and Supramolecular Systems, 2003, vol. 23, no. 6-8, p. 949-952. ISSN 0928-4931. Dostupné na: <https://doi.org/10.1016/j.msec.2003.09.099>

Citácie:

1. [1.1] CHEN JIE - LIU RUTIE - XIONG XIANG. Effect of the porogen content and the sintering temperature on the aperture of porous copper materials. In MATERIALS RESEARCH EXPRESS. ISSN 2053-1591, 2019, vol. 6, no. 8, 086533., Registrované v: WOS

2. [1.1] SARILMAZ, Adem - OZEL, Faruk - ALJABOUR, Abdalaziz - KHASKHELI, Abdul Rauf - KUS, Mahmut. Effect of doping on thin film solar cell efficiency based on ZnMn₂O₄ nanocrystals. In MATERIALS TODAY-PROCEEDINGS. ISSN 2214-7853, 2019, vol. 18, SI, part 5, pp. 1861-1867., Registrované v: WOS

- ADCA547 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. Dostupné na: <https://doi.org/10.1016/j.physb.2005.09.005>

Citácie:

1. [1.1] HU, Feng - YUAN, Chenchen - LUO, Qiang - YANG, Weiming - SHEN, Baolong. Effects of Ho addition on thermal stability, thermoplastic deformation and magnetic properties of FeHoNbB bulk metallic glasses. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2019, vol. 807, UNSP 151675., Registrované v: WOS

2. [1.1] ROY, Rajat K. - MURUGAIYAN, Premkumar - PANDA, Ashis K. - MITRA, Amitava. Compositional optimization of high induction (> 1.7T) FeCo-based nanocomposite alloys with enhancement of thermo-physical and magnetic properties. In PHYSICA B-CONDENSED MATTER. ISSN 0921-4526, 2019, vol. 566, pp. 71-76., Registrované v: WOS

- ADCA548 LIBERATI, V. - ANDREYEV, A.N. - ANTALIC, S. - BARZAKH, A. - COCOLIOS, T.E. - ELSEVIERS, J. - FEDOROV, D. - FEDOSEEV, V.N. - HUYSE, M. - JOSS, D.T. - KALANINOVA, Z. - KOESTER, U. - LANE, J.F.W. - MARSH, B. - MENGONI, D. - MOLKANOV, P. - NISHIO, K. - PAGE, R.D. - PATRONIS, N. - PAUWELS, D. - RADULOV, D. - SELIVERSTOV, M. - SJOEDIN, M. -

TSEKHANOVICH, I. - VAN DEN BERGH, P. - VAN DUPPEN, P. - VENHART, Martin - VESELSKÝ, Martin. beta-delayed fission and alpha decay of Tl-178. In Physical Review C, 2013, vol. 88, no. 4, 044322. (2012: 3.715 - IF, 2.769 - SJR, Q1 - SJR, karentované - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.88.044322>

Citácie:

1. [1.1] GUPTA, Shilpi - SCHMITT, C. - MAHATA, K. - SHRIVASTAVA, A. - SUGATHAN, P. - JHINGAN, A. - GOLDA, K. S. - SANEESH, N. - KUMAR, M. - KAUR, G. - STUTTGE, L. - ARORA, D. - ARORA, H. - CHATTERJEE, A. - CHAUHAN, K. - DUGGI, S. K. - KAUR, D. P. - MISHRA, V. - PATIL, Prashant N. - RANI, K. Asymmetric fission around lead: The case of Po-198. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 6, 064608., Registrované v: WOS

2. [1.1] KAJINO, T. - AOKI, W. - BALANTEKIN, A. B. - DIEHL, R. - FAMIANO, M. A. - MATHEWS, G. J. Current status of r-process nucleosynthesis. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2019, vol. 107, pp. 109-166., Registrované v: WOS

ADCA549 LI, Bo* - WANG, Mengru* - SUBAIR, Riyas* - CAO, Guozhong* - TIAN, Jianjun. Significant Stability Enhancement of Perovskite Solar Cells by Facile Adhesive Encapsulation. In Journal of Physical Chemistry C, 2018, vol. 122, no. 44, p. 25260-25267. (2017: 4.484 - IF, Q1 - JCR, 2.135 - SJR, Q1 - SJR, karentované - CCC). (2018 - Current Contents). ISSN 1932-7447. Dostupné na: <https://doi.org/10.1021/acs.jpcc.8b09595>

Citácie:

1. [1.1] KAKEKHANI, Arvin - KATTI, Radhika N. - RAPPE, Andrew M. Water in hybrid perovskites: Bulk MAPbI(3) degradation via super-hydrous state. In APL MATERIALS. ISSN 2166-532X, 2019, vol. 7, no. 4, 041112., Registrované v: WOS

ADCA550 LIPTÁK, Ľudovít - OLEJNÍK, Štefan. Casimir scaling in G(2) lattice gauge theory. In Physical Review D, 2008, vol. 78, no. 7, 074501. (2007: 4.696 - IF, Q1 - JCR, 2.593 - SJR, Q1 - SJR, karentované - CCC). (2008 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.78.074501>

Citácie:

1. [1.1] DEGHAN, Z. - DELDAR, S. Cho decomposition, Abelian gauge fixing, and monopoles in G(2) Yang-Mills theory. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 99, no. 11, 116024., Registrované v: WOS

2. [1.1] NEJAD, Seyed Mohsen Hosseini. Domain structures and quark potentials in SU(3) gauge theory. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 100, no. 11, 114504., Registrované v: WOS

3. [1.1] SIMONOV, Yu A. Field correlator method for the confinement in QCD. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 99, no. 5, 056012., Registrované v: WOS

ADCA551 LIU, H.L. - MA, Y.G.** - BONASERA, A. - DENG, X.G. - LOPEZ, O. - VESELSKÝ, Martin. Mean free path and shear viscosity in central Xe-129+Sn-119 collisions below 100 MeV/nucleon. In Physical Review C, 2017, vol. 96, no. 6, 064604. (2016: 3.820 - IF, Q1 - JCR, 1.936 - SJR, Q1 - SJR, karentované - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.96.064604>

Citácie:

1. [1.1] LIU, H. L. - MA, Y. G. - FANG, D. Q. Finite-size scaling phenomenon of nuclear liquid-gas phase transition probes. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 5, 054614., Registrované v: WOS

ADCA552 LIU, Y. - PALOTÁS, Krisztián - YUAN, X. - HOU, T. - LIN, H.** - LI, Y.** - LEE, S.-T. Atomistic origins of surface defects in CH₃NH₃PbBr₃ Perovskite and their electronic structures. In ACS Nano, 2017, vol. 11, no. 2, p. 2060-2065. (2016: 13.942 - IF, Q1 - JCR, 6.948 - SJR, Q1 - SJR, karentované - CCC). (2017 - Current Contents). ISSN 1936-0851. Dostupné na: <https://doi.org/10.1021/acsnano.6b08260>

Citácie:

1. [1.1] CHE, Xiaoyang - TRAORE, Boubacar - KATAN, Claudine - FANG, Hong-Hua - LOI, Maria Antonietta - EVEN, Jacky - KEPENEKIAN, Mikael. Charge Trap Formation and Passivation in Methylammonium Lead Tribromide. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2019, vol. 123, no. 22, pp. 13812-13817., Registrované v: WOS
2. [1.1] CHI, Lifeng - LEE, Shuit-Tong. Research on Functional Nanomaterials, Interfaces, and Applications at Soochow University. In ACS NANO. ISSN 1936-0851, 2019, vol. 13, no. 3, pp. 2667-2671., Registrované v: WOS
3. [1.1] DING, Jianxu - DU, Songjie - ZHOU, Tianliang - YUAN, Ye - CHENG, Xiaohua - JING, Lin - YAO, Qing - ZHANG, Jie - HE, Qingkun - CUI, Hongzhi - ZHAN, Xiaoyuan - SUN, Haiqing. Cesium Decreases Defect Density and Enhances Optoelectronic Properties of Mixed MA(1-x)Cs(x)PbBr(3) Single Crystal. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2019, vol. 123, no. 24, pp. 14969-14975., Registrované v: WOS
4. [1.1] DUIM, Herman - FANG, Hong-Hua - ADJOKATSE, Sampson - TEN BRINK, Gert H. - MARQUES, Miguel A. L. - KOOI, Bart J. - BLAKE, Graeme R. - BOTTI, Silvana - LOI, Maria A. Mechanism of surface passivation of methylammonium lead tribromide single crystals by benzylamine. In APPLIED PHYSICS REVIEWS. ISSN 1931-9401, 2019, vol. 6, no. 3, 031401., Registrované v: WOS
5. [1.1] HE, Yanjie - YOON, Young Jun - HARN, Yeu Wei - BIESOLD-MCGEE, Gill V. - LIANG, Shuang - LIN, Chun Hao - TSUKRUK, Vladimir V. - THADHANI, Naresh - KANG, Zhitao - LIN, Zhiqun. Unconventional route to dual-shelled organolead halide perovskite nanocrystals with controlled dimensions, surface chemistry, and stabilities. In SCIENCE ADVANCES. ISSN 2375-2548, 2019, vol. 5, no. 11, eaax4424., Registrované v: WOS
6. [1.1] HUANG, Ke - LIU, Jinxin - CHANG, Xuejiao - FU, Lei. Integrating Properties Modification in the Synthesis of Metal Halide Perovskites. In ADVANCED MATERIALS TECHNOLOGIES. ISSN 2365-709X, 2019, vol. 4, no. 2, 1800321., Registrované v: WOS
7. [1.1] KAKEKHANI, Arvin - KATTI, Radhika N. - RAPPE, Andrew M. Water in hybrid perovskites: Bulk MAPbI(3) degradation via super-hydrous state. In APL MATERIALS. ISSN 2166-532X, 2019, vol. 7, no. 4, 041112., Registrované v: WOS
8. [1.1] LI, Hua - WU, Guohua - LI, Wanyi - ZHANG, Yaohong - LIU, Zhihe - WANG, Dapeng - LIU, Shengzhong (Frank). Additive Engineering to Grow Micron-Sized Grains for Stable High Efficiency Perovskite Solar Cells. In ADVANCED SCIENCE, 2019, vol. 6, no. 18, 1901241., Registrované v: WOS
9. [1.1] LONG, Lixia - CAO, Dan - FEI, Jiapeng - WANG, Jianfeng - ZHOU, Yun - JIANG, Zhouting - JIAO, Zhiwei - SHU, Haibo. Effect of surface intrinsic defects on the structural stability and electronic properties of the all-inorganic halide perovskite CsPbI₃(001) film. In CHEMICAL PHYSICS LETTERS. ISSN 0009-2614, 2019, vol. 734, UNSP 136719., Registrované v: WOS
10. [1.1] PARK, Min-Ho - KIM, Joo Sung - HEO, Jung-Min - AHN, Soyeong - JEONG, Su-Hun - LEE, Tae-Woo. Boosting Efficiency in Polycrystalline Metal Halide Perovskite Light-Emitting Diodes. In ACS ENERGY LETTERS. ISSN 2380-8195, 2019, vol. 4, no. 5, pp. 1134-1149., Registrované v: WOS

11. [1.1] PENG, Shaomin - WANG, Sisi - ZHAO, Dandan - LI, Xiaojun - LIANG, Chao - XIA, Junmin - ZHANG, Tianqi - XING, Guichuan - TANG, Zikang. *Pure Bromide-Based Perovskite Nanoplatelets for Blue Light-Emitting Diodes*. In *SMALL METHODS*. ISSN 2366-9608, 2019, vol. 3, no. 10, 1900196., Registrované v: WOS
12. [1.1] SHIN, HyeonOh - KIM, Byung-Man - JANG, Taehyung - KIM, Kwang Min - ROH, Deok-Ho - NAM, Jung Seung - KIM, Jeong Soo - KIM, Un-Young - LEE, Byunghong - PANG, Yoonsoo - KWON, Tae-Hyuk. *Surface State-Mediated Charge Transfer of Cs₂SnI₆ and Its Application in Dye-Sensitized Solar Cells*. In *ADVANCED ENERGY MATERIALS*. ISSN 1614-6832, 2019, vol. 9, no. 3, 1803243., Registrované v: WOS
13. [1.1] STECKER, Collin - LIU, Kexi - HIEULLE, Jeremy - OHMANN, Robin - LIU, Zhenyu - ONO, Luis K. - WANG, Guofeng - QI, Yabing. *Surface Defect Dynamics in Organic-Inorganic Hybrid Perovskites: From Mechanism to Interfacial Properties*. In *ACS NANO*. ISSN 1936-0851, 2019, vol. 13, no. 10, pp. 12127-12136., Registrované v: WOS
14. [1.1] SUN, Lin - XU, Ling - XIONG, Yan - WU, Ping - XIE, Guo - HU, Bin. *Enhanced Seebeck Effect of a MAPbBr₃ Single Crystal by an Organic and a Metal Modified Layer*. In *ADVANCED ELECTRONIC MATERIALS*. ISSN 2199-160X, 2019, vol. 5, no. 11, 1800759., Registrované v: WOS
15. [1.1] TU, Shuhua - YIN, Quanyi - SHANG, Bin - CHEN, Min - WU, Limin. *Stable Perovskite Quantum Dots Coated with Superhydrophobic Organosilica Shells for White Light-Emitting Diodes*. In *CHEMISTRY-AN ASIAN JOURNAL*. ISSN 1861-4728, 2019, vol. 14, no. 21, pp. 3830-3834., Registrované v: WOS
16. [1.1] WU, Bo - ZHANG, Lei - LIN, Shuai - LI, Jingfa - ZHOU, Qihao. *Experimental and first principles investigations on the photoisomerization and electrochemical properties of chlorophosphonazo III*. In *JOURNAL OF MOLECULAR STRUCTURE*. ISSN 0022-2860, 2019, vol. 1180, pp. 151-157., Registrované v: WOS
17. [1.1] YANG, Feng - ZUO, Weiwei - LIU, Hui - SONG, Jian - LIU, Hairui - LI, Junming - JAIN, Sagar M. *Ion-migration and carrier-recombination inhibition by the cation- π interaction in planar perovskite solar cells*. In *ORGANIC ELECTRONICS*. ISSN 1566-1199, 2019, vol. 75, UNSP 105387., Registrované v: WOS
18. [1.1] YANG, Shuang - DAI, Jun - YU, Zhenhua - SHAO, Yuchuan - ZHOU, Yu - XIAO, Xun - ZENG, Xiao Cheng - HUANG, Jinsong. *Tailoring Passivation Molecular Structures for Extremely Small Open-Circuit Voltage Loss in Perovskite Solar Cells*. In *JOURNAL OF THE AMERICAN CHEMICAL SOCIETY*. ISSN 0002-7863, 2019, vol. 141, no. 14, pp. 5781-5787., Registrované v: WOS
19. [1.1] ZHANG, Hao - WU, Yongzhen - SHEN, Chao - LI, Erpeng - YAN, Chenxu - ZHANG, Weiwei - TIAN, He - HAN, Liyuan - ZHU, Wei-Hong. *Efficient and Stable Chemical Passivation on Perovskite Surface via Bidentate Anchoring*. In *ADVANCED ENERGY MATERIALS*. ISSN 1614-6832, 2019, vol. 9, no. 13, 1803573., Registrované v: WOS
20. [1.1] ZHANG, Lei - LIN, Shuai - WU, Bo - LI, Qingfang - LI, Jingfa. *Understanding structures and properties of phosphorene/perovskite heterojunction toward perovskite solar cell applications*. In *JOURNAL OF MOLECULAR GRAPHICS & MODELLING*. ISSN 1093-3263, 2019, vol. 89, no., pp. 96-101., Registrované v: WOS
21. [1.1] ZHANG, Lei - WU, Bo - LI, Jingfa. *Understanding Interactions between Lead Iodide Perovskite Surfaces and Lithium Polysulfide toward New-Generation*

Integrated Solar-Powered Lithium Battery: An ab Initio Investigation. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2019, vol. 123, no. 1, pp. 82-90., Registrované v: WOS

22. [1.1] ZHANG, Linghai - SIT, Patrick H.L. *Ab initio study of the dynamics of electron trapping and detrapping processes in the CH₃NH₃PbI₃ perovskite. In JOURNAL OF MATERIALS CHEMISTRY A. ISSN 2050-7488, 2019, vol. 7, no. 5, pp. 2135-2147., Registrované v: WOS*

23. [1.1] ZHAO, Liyun - GAO, Yan - SU, Man - SHANG, Qiuyu - LIU, Zhen - LI, Qi - WEI, Qi - LI, Meili - FU, Lei - ZHONG, Yangguang - SHI, Jia - CHEN, Jie - ZHAO, Yue - QIU, Xiaohui - LIU, Xinfeng - TANG, Ning - XING, Guichuan - WANG, Xina - SHEN, Bo - ZHANG, Qing. *Vapor-Phase Incommensurate Heteroepitaxy of Oriented Single-Crystal CsPbBr₃ on GaN: Toward Integrated Optoelectronic Applications. In ACS NANO. ISSN 1936-0851, 2019, vol. 13, no. 9, pp. 10085-10094., Registrované v: WOS*

24. [1.1] ZHU, Ning - QI, Xin - ZHANG, Yuqing - LIU, Ganghong - WU, Cuncun - WANG, Duo - GUO, Xuan - LUO, Wei - LI, Xiangdong - HU, Haozhe - CHEN, Zhijian - XIAO, Lixin - QU, Bo. *High Efficiency (18.53%) of Flexible Perovskite Solar Cells via the Insertion of Potassium Chloride between SnO₂ and CH₃NH₃PbI₃ Layers. In ACS APPLIED ENERGY MATERIALS. ISSN 2574-0962, 2019, vol. 2, no. 5, pp. 3676-3682., Registrované v: WOS*

ADCA553 LORY, P.-F. - PAILHÉS, S.** - GIORDANO, V.M. - EUCHNER, H. - NGUYEN, H.D. - RAMLAU, R. - BORRMANN, H. - SCHMIDT, M. - BAITINGER, M. - IKEDA, M. - TOMEŠ, P. - MIHALKOVIČ, Marek - ALLIO, C. - JOHNSON, M.R. - SCHOBER, H. - SIDIS, Y. - BOURDAROT, F. - REGNAULT, L.P. - OLLIVIER, R. - PASCHEN, S. - GRIN, Y. - DE BOISSIEU, M.**. *Direct measurement of individual phonon lifetimes in the clathrate compound Ba_{7.81}Ge_{4.067}Au_{5.33}. In Nature Communications, 2017, vol. 8, no. 491, p. 1-10. (2016: 12.124 - IF, Q1 - JCR, 6.414 - SJR, Q1 - SJR, karentované - CCC). (2017 - Current Contents). ISSN 2041-1723. Dostupné na: <https://doi.org/10.1038/s41467-017-00584-7>*

Citácie:

1. [1.1] BERETTA, Davide - NEOPHYTOU, Neophytos - HODGES, James M. - KANATZIDIS, Mercouri G. - NARDUCCI, Dario - MARTIN-GONZALEZ, Marisol - BEEKMAN, Matt - BALKE, Benjamin - CERRETTI, Giacomo - TREMEL, Wolfgang - ZEVALKINK, Alexandra - HOFMANN, Anna - MULLER, Christian - DORLING, Bernhard - CAMPOY-QUILES, Mariano - CAIRONI, Mario. *Thermoelectrics: From history, a window to the future. In MATERIALS SCIENCE & ENGINEERING R-REPORTS. ISSN 0927-796X, 2019, vol. 138, pp. 210-255., Registrované v: WOS*

2. [1.1] CHOU, Ting-Han - LINDSAY, Lucas - MAZNEV, Alexei A. - GANDHI, Jateen S. - STOKES, Donna W. - FORREST, Rebecca L. - BENSOUOLA, Abdelhak - NELSON, Keith A. - SUN, Chi-Kuang. *Long mean free paths of room-temperature THz acoustic phonons in a high thermal conductivity material. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 100, no. 9, 094302., Registrované v: WOS*

3. [1.1] EUCHNER, Holger - GROSS, Axel. *Predicting Accurate Phonon Spectra: An Improved Description of Lattice Dynamics in Thermoelectric Clathrates Based on the SCAN Meta-GGA Functional. In CHEMISTRY OF MATERIALS. ISSN 0897-4756, 2019, vol. 31, no. 7, pp. 2571-2576., Registrované v: WOS*

4. [1.1] GIURA, Paola - PAULATTO, Lorenzo - HE, Fei - LOBO, Ricardo P. S. M. - BOSAK, Alexei - CALANDRINI, Eugenio - PAOLASINI, Luigi - ANTONANGELI, Daniele. *Multiphonon anharmonicity of MgO. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 99, no. 22, 220304., Registrované v:*

WOS

5. [1.1] GLENSK, Albert - GRABOWSKI, Blazej - HICKEL, Tilmann - NEUGEBAUER, Jorg - NEUHAUS, Juergen - HRADIL, Klaudia - PETRY, Winfried - LEITNER, Michael. Phonon Lifetimes Throughout the Brillouin Zone at Elevated Temperatures from Experiment and *ab initio*. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2019, vol. 123, no. 23, 235501., Registrované v:

WOS

6. [1.1] GRIN, Yuri. Inhomogeneity and anisotropy of chemical bonding and thermoelectric properties of materials. In *JOURNAL OF SOLID STATE CHEMISTRY*. ISSN 0022-4596, 2019, vol. 274, pp. 329-336., Registrované v:

WOS

7. [1.1] LINDROTH, Daniel O. - BRORSSON, Joakim - FRANSSON, Erik - ERIKSSON, Fredrik - PALMQVIST, Anders - ERHART, Paul. Thermal conductivity in intermetallic clathrates: A first-principles perspective. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2019, vol. 100, no. 4, 045206., Registrované v: WOS

8. [1.1] MORI, Takao - VANEY, Jean-Baptiste - GUELOU, Gabin - FAILAMANI, Fainan - GUO, Quansheng. Crystal growth of intermetallic thermoelectric materials. In *CRYSTAL GROWTH OF INTERMETALLICS*, 2019, pp. 217-259., Registrované v: WOS

9. [1.1] MORI, Takao. Thermoelectric and magnetic properties of rare earth borides: Boron cluster and layered compounds. In *JOURNAL OF SOLID STATE CHEMISTRY*. ISSN 0022-4596, 2019, vol. 275, pp. 70-82., Registrované v: WOS

10. [1.1] PEREZ, Christopher J. - BATES, Victor J. - KAUZLARICH, Susan M. Hydride Synthesis and Thermoelectric Properties of Type-I Clathrate $K_8E_8Ge_38$ ($E = Al, Ga, In$). In *INORGANIC CHEMISTRY*. ISSN 0020-1669, 2019, vol. 58, no. 2, pp. 1442-1450., Registrované v: WOS

11. [1.1] SIMONCELLI, Michele - MARZARI, Nicola - MAURI, Francesco. Unified theory of thermal transport in crystals and glasses. In *NATURE PHYSICS*. ISSN 1745-2473, 2019, vol. 15, no. 8, pp. 809-+, Registrované v: WOS

12. [1.1] SYNORADZKI, Karol - CIESIELSKI, Kamil - VEREMCHUK, Igor - BORRMANN, Horst - SKOKOWSKI, Przemyslaw - SZYMANSKI, Damian - GRIN, Yuri - KACZOROWSKI, Dariusz. Thermal and Electronic Transport Properties of the Half-Heusler Phase $ScNiSb$. In *MATERIALS*. ISSN 1996-1944, 2019, vol. 12, no. 10, 1723., Registrované v: WOS

ADCA554 LUBY, Štefan - MAJKOVÁ, Eva - SPASOVA, M. - JERGEL, Matej - SENDERÁK, Rudolf - D'ANNA, E. - LUCHES, A. - MARTINO, M. - BRUNEL, M. - DMITRENKO, I. M. Giant magnetoresistance in Ag/Co multilayers irradiated by excimer laser. In *Thin Solid Films*, 1998, vol. 312, no. 1-2, p. 15-19. (1997: 1.030 - IF, karentované - CCC). (1998 - Current Contents). ISSN 0040-6090. Dostupné na: [https://doi.org/10.1016/S0040-6090\(97\)00386-6](https://doi.org/10.1016/S0040-6090(97)00386-6)

Citácie:

1. [1.1] ZHAO, Cancan - XIN, Renlong - REN, Fuzeng. The Size Dependent Deformation and Strengthening Mechanisms of Nanolayered Co/Ag Micropillars. In *METALLURGICAL AND MATERIALS TRANSACTIONS A-PHYSICAL METALLURGY AND MATERIALS SCIENCE*. ISSN 1073-5623, 2019, vol. 50, no. 12, pp. 5640-5649., Registrované v: WOS

ADCA555 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. (2011: 1.317 - IF, Q2 - JCR, 0.570 - SJR, Q2 - SJR, karentované - CCC). (2012 - Current Contents). ISSN

0042-207X. Dostupné na: <https://doi.org/10.1016/j.vacuum.2011.08.012>

Citácie:

1. [1.1] MATSUMOTO, H. - OTA, S. - ANDO, A. - CHIBA, D. *A flexible exchange-biased spin valve for sensing strain direction. In APPLIED PHYSICS LETTERS. ISSN 0003-6951, 2019, vol. 114, no. 13, 132401., Registrované v: WOS*

2. [1.1] OTA, S. - ANDO, A. - SEKITANI, T. - KOYAMA, T. - CHIBA, D. *Flexible CoFeB/MgO-based magnetic tunnel junctions annealed at high temperature (≥ 350 degrees C). In APPLIED PHYSICS LETTERS. ISSN 0003-6951, 2019, vol. 115, no. 20, 202401., Registrované v: WOS*

ADCA556 LUPTÁK, Roman - FRÖHLICH, Karol - ROSOVÁ, Alica - HUŠEKOVÁ, Kristína - ŤAPAJNA, Milan - MACHAJDÍK, Daniel - JERGEL, Matej - ESPINOS, J.P. - MANSILLA, C. Growth of gadolinium oxide films for advanced MOS structure. In Microelectronic Engineering, 2005, vol. 80, p. 154-157. ISSN 0167-9317. Dostupné na: <https://doi.org/10.1016/j.mee.2005.04.059>

Citácie:

1. [1.1] ACCARDO, Grazia - KIM, Ghun Sik - HAM, Hyung Chul - YOON, Sung Pil. *Optimized lithium-doped ceramic electrolytes and their use in fabrication of an electrolyte-supported solid oxide fuel cell. In INTERNATIONAL JOURNAL OF HYDROGEN ENERGY. ISSN 0360-3199, 2019, vol. 44, no. 23, pp. 12138-12150., Registrované v: WOS*

ADCA557 LV, B. F. - PETRACHE, C. M.** - ASTIER, A. - DUPONT, E. - LOPEZ-MARTENS, A. - GREENLEES, P. T. - BADRAN, H. - CALVERLEY, T. - COX, D. M. - GRAHN, T. - HILTON, J. - JULIN, R. - JUUTINEN, S. - KONKI, J. - LEINO, M. - PAKARINEN, J. - PAPADAKIS, P. - PARTANEN, J. - RAHKILA, P. - SANDZELIUS, M. - SAREN, J. - SCHOLEY, C. - SORRI, J. - STOLZE, S. - UUSITALO, J. - HERZÁŇ, Andrej - CEDERWALL, B. - ERTOPRAK, A. - LIU, H. - GUO, S. - LIU, M. L. - QIANG, Y. H. - WANG, J. G. - ZHOU, X. H. - KUTI, I. - TIMÁR, J. - TUCHOLSKI, A. - SREBRNY, J. - ANDREOIU, C. Evolution from gamma-soft to stable triaxiality in Nd-136 as a prerequisite of chirality. In Physical Review C, 2018, vol. 98, no. 4, 044304. (2017: 3.304 - IF, Q2 - JCR, 1.443 - SJR, Q1 - SJR, karentované - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.98.044304>

Citácie:

1. [1.1] BABRA, F. S. - PALIT, R. - RAJBANSHI, S. - JEHANGIR, S. - DAS, B. - BHAT, G. H. - SHEIKH, J. A. - BISWAS, S. - GARG, U. - LASKAR, Md S. R. - PALSHEKAR, C. - SAHA, S. - SETHI, J. - SINGH, P. *Investigation of a large change in deformation for the gamma-soft nucleus Sm-136. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 5, 054308., Registrované v: WOS*

2. [1.1] NDAYISHIMYE, J. - LAWRIE, E. A. - SHIRINDA, O. - EASTON, J. L. - LAWRIE, J. J. - WYNGAARDT, S. M. - BARK, R. A. - BUCHER, T. D. - BVUMBI, S. P. - DINOKO, T. R. S. - JONES, P. - KHESWA, N. Y. - MAJOLA, S. N. T. - MASITENG, P. L. - NEGI, D. - ORCE, J. N. - SHARPEY-SCHAFFER, J. F. - WIEDEKING, M. *Competition of rotation around the intermediate and long axes in Tl-193. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 1, 014313., Registrované v: WOS*

ADCA558 MAAS, Axel. More on Gribov copies and propagators in Landau-gauge Yang-Mills theory. In Physical Review D, 2009, vol. 79, no. 1, 014505. (2008: 5.050 - IF, Q1 - JCR, 2.920 - SJR, Q1 - SJR, karentované - CCC). (2009 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.79.014505>

Citácie:

1. [1.1] DUDAL, D. - FELIX, C. P. - PALHARES, L. F. - RONDEAU, F. - VERCAUTEREN, D. *The BRST-invariant vacuum state of the Gribov-Zwanziger theory. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2019, vol. 79, no. 9, 731., Registrované v: WOS*

2. [1.1] DUDAL, D. - VAN EGMOND, D. M. - GUIMARAES, M. S. - HOLANDA, O. - MINTZ, B. W. - PALHARES, L. F. - PERUZZO, G. - SORELLA, S. P. *Some remarks on the spectral functions of the Abelian Higgs model. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 100, no. 6, 065009., Registrované v: WOS*

- ADCA559 MAJERNÍK, Vladimír - MAJERNÍKOVÁ, Eva. Standard and entropic uncertainty relations of the finite well. In Journal of Physics A: Mathematical and Theoretical, 2002, vol. 35, no. 27, p. 5751-5761. ISSN 1751-8113. Dostupné na: <https://doi.org/10.1088/0305-4470/35/27/314>

Citácie:

1. [1.1] DE ARAUJO, O. R. - MARINHO, L. S. - COSTA, H. A. S. - SAMPAIO, Marcos - DA PAZ, I. G. *Shannon entropy and interference in the double-slit experiment with matter waves. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2019, vol. 34, no. 2, 1950017., Registrované v: WOS*

- ADCA560 MAJERNÍK, Vladimír - CHARVOT, R. - MAJERNÍKOVÁ, Eva. The momentum entropy of the infinite potential well. In Journal of Physics A, 1999, vol. 32, no. 11, p. 2207-2216. ISSN 0305-4470. Dostupné na: <https://doi.org/10.1088/0305-4470/32/11/013>

Citácie:

1. [1.1] SOLAIMANI, M. - DONG, Shi-Hai. *Quantum information entropies of multiple quantum well systems in fractional Schrodinger equations. In INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY. ISSN 0020-7608, 2019, e26113., Registrované v: WOS*

- ADCA561 MAJKOVÁ, Eva - LUBY, Štefan - JERGEL, Matej - CHUSHKIN, Jurij - D'ANNA, E. - LUCHES, A. - MARINO, M. - MENGUCCI, P. - MAJNI, G. - KUWASAWA, Y. - OKAYASU, S. Intermixing at interfaces of KrF laser irradiated Co/W multilayers. In Applied Surface Science, 2003, vol. 208, no. 1, p. 394-398. ISSN 0169-4332. Dostupné na: [https://doi.org/10.1016/S0169-4332\(02\)01416-2](https://doi.org/10.1016/S0169-4332(02)01416-2)

Citácie:

1. [1.1] QI, Runze - HUANG, Qiushi - YANG, Yang - ZHANG, Zhong - WANG, Zhanshan. *Stress and Microstructure Study of W/Si X-ray Multilayers with Different Structural Parameters. In JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY. ISSN 1533-4880, 2019, vol. 19, no. 1, pp. 568-574., Registrované v: WOS*

- ADCA562 MALAKHOV, A.I. - AFANASIEV, S.V. - ANISIMOV, Yu.S. - ARTIOMOV, A.S. - BAZILEV, S.N. - KHRENOV, A.N. - KLIMAN, Ján - KRASNOV, V.A. - MATOUŠEK, Vladislav - MORHÁČ, Miroslav - STARIKOV, A.Yu. - SHABUNOV, A.V. - SLEPNEV, V.M. - TURZO, Ivan. Potentialities of the internal target station at the Nuclotron. In Nuclear Instruments and Methods in Physics Research A. Accelerators, Spectrometers, Detectors and Associated Equipment, 2000, vol. 440, no. 2, p. 320-329. (1999: 0.921 - IF, karentované - CCC). (2000 - Current Contents, SCOPUS). ISSN 0168-9002. Dostupné na: [https://doi.org/10.1016/S0168-9002\(99\)00966-3](https://doi.org/10.1016/S0168-9002(99)00966-3)

Citácie:

1. [1.1] TEREKHIN, A. A. - LADYGIN, V. P. - GURCHIN, Yu. V. - ISUPOV, A. Yu. - JANEK, M. - KHRENOV, A. N. - KURILKIN, A. K. - KURILKIN, P. K. - LADYGINA, N. B. - PIYADIN, S. M. - REZNIKOV, S. G. *The differential cross*

section in deuteron-proton elastic scattering at 500, 750 and 900 MeV/nucleon. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2019, vol. 55, no. 8, 129., Registrované v: WOS

- ADCA563 MALKOC, O. - STANO, Peter - LOSS, D. Optimal geometry of lateral GaAs and Si/SiGe quantum dots for electrical control of spin qubits. In Physical Review B, 2016, vol. 93, no. 23, art. no. 235413. (2015: 3.718 - IF, Q1 - JCR, 2.377 - SJR, Q1 - SJR, karentované - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.93.235413>

Citácie:

1. [1.1] BENITO, M. - CROOT, X. - ADELSBERGER, C. - PUTZ, S. - MI, X. - PETTA, J. R. - BURKARD, Guido. Electric-field control and noise protection of the flopping-mode spin qubit. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 100, no. 12, 125430., Registrované v: WOS
2. [1.1] TSHIPPA, Moletlanyi. Diamagnetic susceptibility and optical properties of a spherical quantum dot: effects of the parabolic and the shifted parabolic potentials. In OPTICAL AND QUANTUM ELECTRONICS. ISSN 0306-8919, 2019, vol. 51, no. 7, 225., Registrované v: WOS

- ADCA564 MARKOŠ, Peter - SOUKOULIS, C.M. Numerical studies of left-handed materials and arrays of split ring resonators. In Physical Review E, 2002, vol. 65, no. 3, 036622. (2001: 2.235 - IF, karentované - CCC). (2002 - Current Contents). ISSN 2470-0045. Dostupné na: <https://doi.org/10.1103/PhysRevE.65.036622>

Citácie:

1. [1.1] BUDNAROWSKA, Magdalena - MIZERACZYK, Jerzy - STUDANSKI, Ryszard - BISEWSKI, Damian. Simulation studies of the electromagnetic properties of a planar metamaterial SRR-dielectric substrate structure in the microwave range. In PRZEGLAD ELEKTROTECHNICZNY. ISSN 0033-2097, 2019, vol. 95, no. 10, pp. 166-168., Registrované v: WOS
2. [1.1] SHI, Jun - XU, Zhixia - YIN, Xiaoxing. Broadband-rejection filter topology with a reflectionless feature inspired by the orthogonal distribution of gradual-changing artificial transmission structures. In APPLIED PHYSICS EXPRESS. ISSN 1882-0778, 2019, vol. 12, no. 7, 074501., Registrované v: WOS
3. [1.1] XU, Zhixia - ZHAO, Hongxin - YIN, Xiaoxing. New filter topology with a reflectionless feature based on slow-wave structures loaded with resonator arrays. In JAPANESE JOURNAL OF APPLIED PHYSICS. ISSN 0021-4922, 2019, vol. 58, no. 3, 030913., Registrované v: WOS
4. [1.1] ZHAO, Guozhi - BI, Shihua. Design and verification of double band negative refraction metamaterial. In CHEMICAL PHYSICS LETTERS. ISSN 0009-2614, 2019, vol. 725, pp. 92-96., Registrované v: WOS

- ADCA565 MARKOŠ, Peter. The universality of the conductance distribution at the critical-point of the disorder-induced metal-insulator-transition. In Europhysics Letters, 1994, vol. 26, no. 6, p. 431-435. (1993: 2.780 - IF, karentované - CCC). (1994 - Current Contents). ISSN 0295-5075. Dostupné na: <https://doi.org/10.1209/0295-5075/26/6/006>

Citácie:

1. [1.1] AKRIDAS-MOREL, Panayotis - CHERRORET, Nicolas - DEIN, Dominique. Multifractality of the kicked rotor at the critical point of the Anderson transition. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 4, 043612., Registrované v: WOS

- ADCA566 MARKOŠ, Peter - SCHWEITZER, L. Critical conductance of two-dimensional chiral systems with random magnetic flux. In Physical Review B, 2007, vol. 76, no. 11, 115318. Dostupné na: <https://doi.org/10.1103/PhysRevB.76.115318>

Citácie:

1. [1.1] MALLA, Rajesh K. - RAIKH, M. E. Shape of the zeroth Landau level in graphene with nondiagonal disorder. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2019, vol. 99, no. 8, 085415., Registrované v: WOS
- ADCA567 MARKOŠ, Peter. Electronic transport in strongly anisotropic disordered systems: Model for the random matrix theory with noninteger beta. In *Physical Review B*, 2002, vol. 65 no. 9, 092202. (2001: 3.070 - IF, karentované - CCC). (2002 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.65.092202>
Citácie:
1. [1.1] MARTINEZ-ARGUELLO, A. M. - MENDEZ-BERMUDEZ, J. A. - MARTINEZ-MARES, M. Phenomenological approach to transport through three-terminal disordered wires. In *PHYSICAL REVIEW E*. ISSN 2470-0045, 2019, vol. 99, no. 6, 062202., Registrované v: WOS
- ADCA568 MARKOŠ, Peter - SOUKOULIS, C.M. Transmission studies of left-handed materials. In *Physical Review B*, 2002, vol. 65, no. 3, 033401. (2001: 3.070 - IF, karentované - CCC). (2002 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.65.033401>
Citácie:
1. [1.1] GEVORGYAN, A. H. - GHARAGULYAN, H. - MKHITARYAN, S. A. Peculiarities of band structure of one-dimensional photonic crystals. In *OPTIK*. ISSN 0030-4026, 2019, vol. 180, pp. 745-753., Registrované v: WOS
2. [1.1] RYBIN, M. V. - LIMONOV, M. F. Resonance effects in photonic crystals and metamaterials (100th anniversary of the Ioffe Institute). In *PHYSICS-USPEKHI*. ISSN 1063-7869, 2019, vol. 62, no. 8, pp. 823-838., Registrované v: WOS
3. [1.1] ZAREMANESH, Mansour - NOORI, Mina. Highly efficient subwavelength imaging in mid-IR range using high dielectric hexagonal lattice photonic crystals. In *OPTICAL ENGINEERING*. ISSN 0091-3286, 2019, vol. 58, no. 6, 067108., Registrované v: WOS
- ADCA569 MARKOŠ, Peter - SCHWEITZER, L. Critical regime of two-dimensional Ando model: relation between critical conductance and fractal dimension of electronic eigenstates. In *Journal of Physics A*, 2006, vol. 39, no. 13, p. 3221-3230. (2005: 1.566 - IF, 1.044 - SJR, Q1 - SJR, karentované - CCC). (2006 - Current Contents, WOS, SCOPUS). ISSN 1751-8113. Dostupné na: <https://doi.org/10.1088/0305-4470/39/13/003>
Citácie:
1. [1.1] CHEN, Weiwei - WANG, C. - SHI, Qinwei - LI, Qunxiang - WANG, X. R. Metal to marginal-metal transition in two-dimensional ferromagnetic electron gases. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2019, vol. 100, no. 21, 214201., Registrované v: WOS
- ADCA570 MARTINEZ, G. - MARQUES, F.M. - SCHUTZ, Y. - WOLF, G. - DIAZ, J. - FRANKE, M. - HLAVÁČ, Stanislav - HOLZMANN, R. - LAUTRIDOU, P. - LEFEVRE, F. - LOHNER, H. - MARIN, A. - MATULEWICZ, T. - MITTIG, W. - OSTENDORF, R.W. - VANPOL, J.H.G. - QUEBERT, J. - ROUSSELCHOMAZ, P. - SCHUBERT, A. - SIEMSEN, R.H. - SIMON, R.S. - SUJKOWSKI, Z. Bremsstrahlung photons as a probe of hot nuclei. In *Physics Letters B*, 1995, vol. 349, no. 1-2, p. 23-29. (1994: 3.056 - IF, karentované - CCC). (1995 - Current Contents, SCOPUS). ISSN 0370-2693. Dostupné na: [https://doi.org/10.1016/0370-2693\(95\)00236-E](https://doi.org/10.1016/0370-2693(95)00236-E)
Citácie:
1. [1.1] ZHANG, Fan - LI, Cheng - WEN, Pei-Wei - LIU, Jian-Wei - SU, Jun - ZHANG, Feng-Shou. Time dependence of the thermal-photon thermometer. In

PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 2, 024603.,

Registrované v: WOS

- ADCA571 MAŤKO, Igor - ILLEKOVÁ, Emília - ŠVEC, Peter - DUHAJ, Pavol. Crystallization characteristics in the Fe-Si-B glassy ribbon system. In Materials Science and Engineering A, 1997, vol. 225, no. 1-2, p. 145-152. (1996: 0.852 - IF, karentované - CCC). (1997 - Current Contents, WOS, SCOPUS). ISSN 0921-5093.

Citácie:

1. [1.1] KUMAR, Anil - KUMAR, Rahul - BIJALWAN, Pavan - DUTTA, Monojit - BANERJEE, Atanu - LAHA, Tapas. Fe-based amorphous/nanocrystalline composite coating by plasma spraying: Effect of heat input on morphology, phase evolution and mechanical properties. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2019, vol. 771, pp. 827-837., Registrované v: WOS

- ADCA572 MAŤKO, Igor** - ŠAUŠA, Ondrej - ČECHOVÁ, Katarína - JESENÁK, Karol. Study of water in Ca-montmorillonite by thermal analysis and positron annihilation lifetime spectroscopy. In Journal of Thermal Analysis and Calorimetry, 2018, vol. 133, no. 1, p. 247 -254. (2017: 2.209 - IF, Q2 - JCR, 0.587 - SJR, Q2 - SJR, karentované - CCC). (2018 - Current Contents). ISSN 1388-6150. Dostupné na: <https://doi.org/10.1007/s10973-018-7145-7>

Citácie:

1. [1.1] ZHANG, Liangliang - CAO, Jinzhen. Pyrolysis and its mechanism of organomontmorillonite (OMMT) influenced by different functional groups. In JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY. ISSN 1388-6150, 2019, vol. 137, no. 1, pp. 1-10., Registrované v: WOS

- ADCA573 MEAIR, J. - STAŇO, Peter - JACQUOD, P. Measuring spin accumulations with current noise. In Physical Review B, 2011, vol. 84, no. 7, 073302. (2010: 3.774 - IF, Q1 - JCR, 3.318 - SJR, Q1 - SJR, karentované - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.84.073302>

Citácie:

1. [1.1] AFTERGOOD, Joshua - TRIF, Mircea - TAKEI, So. Detecting spin current noise in quantum magnets with photons. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 99, no. 17, 174422., Registrované v: WOS

- ADCA574 MEEHAN, K. - ADAMCZYK, L. - ADKINS, J.K. - AGAKISHIEV, G. - AGGARWAL, M.M. - FILIP, Peter. STAR Results from Au plus Au Fixed-Target Collisions at root(NN)-N-S=4.5 GeV. In Nuclear Physics A, 2017, vol. 967, p. 808-811. (2016: 1.916 - IF, Q2 - JCR, 0.998 - SJR, Q2 - SJR, karentované - CCC). (2017 - Current Contents). ISSN 0375-9474. Dostupné na: <https://doi.org/10.1016/j.nuclphysa.2017.06.007>

Citácie:

1. [1.1] ADAMCZEWSKI-MUSCH, J. - ARNOLD, O. - BEHNKE, C. - *et al.* Identical pion intensity interferometry in central Au plus Au collisions at 1.23A GeV HADES Collaboration. In PHYSICS LETTERS B. ISSN 0370-2693, 2019, vol. 795, no., pp. 446-451., Registrované v: WOS

2. [1.1] CRITELLI, Renato - ROUGEMONT, Romulo - NORONHA, Jorge. Holographic Bjorken flow of a hot and dense fluid in the vicinity of a critical point. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 99, no. 6, 066004., Registrované v: WOS

- ADCA575 MEHNEN, L. - ŠVEC, Peter - PFÜTZNER, Herbert - DUHAJ, Pavol. Displacement sensor based on an amorphous bilayer including a magnetostrictive component. In Journal of Magnetism and Magnetic Materials, 2003, vol. 254-255, p. 627-629. (2002: 1.046 - IF, karentované - CCC). (2003 - Current Contents, WOS, SCOPUS).

ISSN 0304-8853. Dostupné na: [https://doi.org/10.1016/S0304-8853\(02\)00923-X](https://doi.org/10.1016/S0304-8853(02)00923-X)

Citácie:

1. [1.1] SHU, Liang - GUO, Liang - WU, Gui-Chu - CHEN, Wei. *Research of thermal protection characteristics for circuit breakers considering nonlinear electro-thermal-structural coupling. In APPLIED THERMAL ENGINEERING. ISSN 1359-4311, 2019, vol. 153, pp. 85-94., Registrované v: WOS*

- ADCA576 MENG, T. - STAŇO, Peter - KLINOVAJA, J. - LOSS, D. Helical nuclear spin order in a strip of stripes in the quantum Hall regime. In European Physical Journal B, 2014, vol. 87, no. 9, 203. (2013: 1.463 - IF, Q3 - JCR, 0.727 - SJR, karentované - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1434-6028. Dostupné na: <https://doi.org/10.1140/epjb/e2014-50445-1>

Citácie:

1. [1.1] RAZA, Syed - SIROTA, Alexander - TEO, Jeffrey C. Y. *From Dirac Semimetals to Topological Phases in Three Dimensions: A Coupled-Wire Construction. In PHYSICAL REVIEW X. ISSN 2160-3308, 2019, vol. 9, no. 1, 011039., Registrované v: WOS*

2. [1.1] SIROTA, Alexander - SAHOO, Sharmistha - CHO, Gil Young - TEO, Jeffrey C. Y. *Paired parton quantum Hall states: A coupled wire construction. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 99, no. 24, 245117., Registrované v: WOS*

- ADCA577 MEŠKO, M. - VRETENÁR, Viliam - KOTRUSZ, P. - HULMAN, Martin - ŠOLTÝS, Ján - SKÁKALOVÁ, V. Carbon nanowalls synthesis by means of atmospheric dcPECVD method. In Physica Status Solidi B, 2012, vol. 249, no. 12, p. 2625-2628. (2011: 1.316 - IF, Q3 - JCR, 0.931 - SJR, Q1 - SJR, karentované - CCC). (2012 - Current Contents). ISSN 0370-1972. Dostupné na: <https://doi.org/10.1002/pssb.201200144>

Citácie:

1. [1.1] LI, Longfei - DONG, Yibo - GUO, Weiling - QIAN, Fengsong - XIONG, Fangzhu - FU, Yafei - DU, Zaifa - XU, Chen - SUN, Jie. *High-responsivity photodetectors made of graphene nanowalls grown on Si. In APPLIED PHYSICS LETTERS. ISSN 0003-6951, 2019, vol. 115, no. 8, 081101., Registrované v: WOS*

2. [1.1] VESEL, Alenka - ZAPLOTNIK, Rok - PRIMC, Gregor - MOZETIC, Miran. *Synthesis of Vertically Oriented Graphene Sheets or Carbon Nanowalls-Review and Challenges. In MATERIALS, 2019, vol. 12, no. 18, 2968., Registrované v: WOS*

- ADCA578 MCHUGH, D. - ZIMAN, Mário - BUŽEK, Vladimír. Entanglement, purity and energy: Two qubits versus two modes. In Physical Review A, 2006, vol. 74, no. 4, 042303. (2005: 2.997 - IF, Q1 - JCR, 1.394 - SJR, Q1 - SJR, karentované - CCC). (2006 - Current Contents, SCOPUS). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1142/S1230161216500074>

Citácie:

1. [1.1] GAVRILIK, A. M. - MISHCHENKO, Yu A. *COMPOSITE FERMIONS AS DEFORMED OSCILLATORS: WAVEFUNCTIONS AND ENTANGLEMENT. In UKRAINIAN JOURNAL OF PHYSICS. ISSN 2071-0186, 2019, vol. 64, no. 12, pp. 1134-1142., Registrované v: WOS*

- ADCA579 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, no. 6, p. 1249-1260. (2001: 1.611 - IF, karentované - CCC). (2002 - Current Contents, WOS, SCOPUS). ISSN 0953-8984. Dostupné na: <https://doi.org/10.1088/0953-8984/14/6/312>

Citácie:

1. [1.1] HASIAK, M. - LASZCZ, A. - ZAK, A. - KALETA, J. *Microstructure and Magnetic Properties of NANOPERM-Type Soft Magnetic Material*. In *ACTA PHYSICA POLONICA A*. ISSN 0587-4246, 2019, vol. 135, no. 2, pp. 284-287., Registrované v: WOS
2. [1.1] HASIAK, Mariusz - LASZCZ, Amadeusz. *Effect of Annealing on Magnetic and Mechanical Behaviors of NANOPERM-Type Alloys*. In *IEEE TRANSACTIONS ON MAGNETICS*. ISSN 0018-9464, 2019, vol. 55, no. 2, 2001606., Registrované v: WOS
3. [1.1] MUSIAL, A. - SNIADOCKI, Z. - PIERUNEK, N. - IVANISENKO, Yu - WANG, D. - FAWAY, M. H. - IDZIKOWSKI, B. *Tuning of the magnetic properties of Hf₂Co₁₁B alloys through a combined high pressure torsion and annealing treatment*. In *JOURNAL OF ALLOYS AND COMPOUNDS*. ISSN 0925-8388, 2019, vol. 787, pp. 794-800., Registrované v: WOS

ADCA580 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. (2001: 3.070 - IF, karentované - CCC). (2002 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.65.104205>

Citácie:

1. [1.1] HAN, Insung - XIAO, Xianghui - SUN, Haiping - SHAHANI, Ashwin J. *A side-by-side comparison of the solidification dynamics of quasicrystalline and approximant phases in the Al-Co-Ni system*. In *ACTA CRYSTALLOGRAPHICA A-FOUNDATION AND ADVANCES*. ISSN 2053-2733, 2019, vol. 75, pp. 281-296., Registrované v: WOS

ADCA581 MIHALKOVIČ, Marek - WIDOM, M. Ab initio calculations of cohesive energies of Fe-based glass-forming alloys. In *Physical Review B*, 2004, vol. 70, no. 14, 144107. (2003: 2.962 - IF, karentované - CCC). (2004 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1088/0957-4484/26/44/444002>

Citácie:

1. [1.1] FILONENKO, N. Yu - GALDINA, O. M. - KOCHENOV, A. *Thermodynamic Functions of Fe₃B Borides*. In *PHYSICS AND CHEMISTRY OF SOLID STATE*. ISSN 1729-4428, 2019, vol. 20, no. 2, pp. 139-143., Registrované v: WOS
2. [1.1] WITUSIEWICZ, V. T. - BONDAR, A. A. - HECHT, U. - THEOFILATOS, A. - TSYGANENKO, N. - UTKIN, S. - TIKHONOVA, I. B. *Experimental study and thermodynamic re-modelling of the constituent binaries and ternary B-Fe-Ti system*. In *JOURNAL OF ALLOYS AND COMPOUNDS*. ISSN 0925-8388, 2019, vol. 800, pp. 419-449., Registrované v: WOS

ADCA582 MIHALKOVIČ, Marek - HENLEY, C.L. Temperature-dependent phason elasticity in a random tiling quasicrystal. In *Physical Review B*, 2004, vol. 70, no. 9, 09202. (2003: 2.962 - IF, karentované - CCC). (2004 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.70.092202>

Citácie:

1. [1.1] DICKEL, Doyle E. - BARRETT, Christopher D. *Methods for the determination of diffusionless transformation conditions from atomistic simulations*. In *MODELLING AND SIMULATION IN MATERIALS SCIENCE AND ENGINEERING*. ISSN 0965-0393, 2019, vol. 27, no. 2, 023001., Registrované v: WOS

ADCA583 MIHALKOVIČ, Marek - ZHU, W.J. - HENLEY, C.L. - OXBORROW, M. Icosahedral quasicrystal decoration models. 1. Geometrical principles. In *Physical Review B*, 1996, vol. 53, no. 14, p. 9002-9020. (1995: 2.834 - IF, karentované - CCC). (1996 - Current Contents). ISSN 1550-235X. Dostupné na:

<https://doi.org/10.1007/s11224-019-01413-x>

Citácie:

1. [1.1] AJLOUNI, Rima. *A surface-stacking structural model for icosahedral quasicrystals*. In *STRUCTURAL CHEMISTRY*. ISSN 1040-0400, 2019, vol. 30, no. 6, pp. 2279-2288., Registrované v: WOS

ADCA584 MIHALKOVIČ, Marek - KRAJČÍ, Marián - WIDOM, M. Prediction of stable insulating intermetallic compounds. In *Physical Review B*, 2013, vol. 87, no. 10, 100201R. (2012: 3.767 - IF, Q1 - JCR, 1.779 - SJR, Q1 - SJR, karentované - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.87.100201>

Citácie:

1. [1.1] DASGUPTA, Anish - RIOUX, Robert M. *Intermetallics in catalysis: An exciting subset of multimetallic catalysts*. In *CATALYSIS TODAY*. ISSN 0920-5861, 2019, vol. 330, pp. 2-15., Registrované v: WOS

ADCA585 MIHALKOVIČ, Marek - HENLEY, C.L. Caged clusters in Al₁₁Ir₄: Structural transition and insulating phase. In *Physical Review B*, 2013, vol. 88, no. 6, 064201. (2012: 3.767 - IF, Q1 - JCR, 1.779 - SJR, Q1 - SJR, karentované - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.88.064201>

Citácie:

1. [1.1] IWASAKI, Yutaka - KITAHARA, Koichi - KIMURA, Kaoru. *Experimental realization of a semiconducting quasicrystalline approximant in Al-Si-Ru system by band engineering*. In *PHYSICAL REVIEW MATERIALS*. ISSN 2475-9953, 2019, vol. 3, no. 6, pp., Registrované v: WOS

2. [1.1] KITAHARA, Koichi - TAKAGIWA, Yoshiki - KIMURA, Kaoru. *Thermoelectric Properties of Quasicrystalline Approximant in Al-Cu-Ir System*. In *MATERIALS TRANSACTIONS*. ISSN 1345-9678, 2019, vol. 60, no. 12, pp. 2490-2498., Registrované v: WOS

ADCA586 MIHALKOVIČ, Marek - WIDOM, M. Canonical cell model of cadmium-based icosahedral alloys. In *Philosophical Magazine*, 2006, vol. 86, no. 3-5, p. 519-527. (2005: 1.470 - IF, Q1 - JCR, 1.086 - SJR, Q1 - SJR). ISSN 1478-6435. Dostupné na: <https://doi.org/10.1080/14786430500333356>

Citácie:

1. [1.1] AJLOUNI, Rima. *A surface-stacking structural model for icosahedral quasicrystals*. In *STRUCTURAL CHEMISTRY*. ISSN 1040-0400, 2019, vol. 30, no. 6, pp. 2279-2288., Registrované v: WOS

2. [1.1] MADISON, A. E. - MADISON, P. A. *Looking for alternatives to the superspace description of icosahedral quasicrystals*. In *PROCEEDINGS OF THE ROYAL SOCIETY A-MATHEMATICAL PHYSICAL AND ENGINEERING SCIENCES*. ISSN 1364-5021, 2019, vol. 475, no. 2221, 20180667., Registrované v: WOS

ADCA587 MIHALKOVIČ, Marek - HENLEY, C.L. Empirical oscillating potentials for alloys from ab initio fits and the prediction of quasicrystal-related structures in the Al-Cu-Sc system. In *Physical Review B*, 2012, vol. 85, no. 9, 092102. (2011: 3.691 - IF, Q1 - JCR, 3.326 - SJR, Q1 - SJR, karentované - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.85.092102>

Citácie:

1. [1.1] MEYER, N. - XU, H. - WAX, J.F. *The role of chemical order in the temperature and composition dependence of the viscosity of liquid alloys*. In *JOURNAL OF CHEMICAL PHYSICS*. ISSN 0021-9606, 2019, vol. 150, no. 17, 174502., Registrované v: WOS

2. [1.1] RANK, Maximilian - FRANKE, Peter - SEIFERT, Hans Jurgen. Thermodynamic investigations in the Al-Fe system: Thermodynamic modeling using CALPHAD. In INTERNATIONAL JOURNAL OF MATERIALS RESEARCH. ISSN 1862-5282, 2019, vol. 110, no. 5, pp. 406-421., Registrované v: WOS

3. [1.1] ZHOU, Pengji - PROCTOR, James C. - VAN ANDERS, Greg - GLOTZER, Sharon C. Alchemical molecular dynamics for inverse design. In MOLECULAR PHYSICS. ISSN 0026-8976, 2019, vol. 117, no. 23-24, pp. 3968-3980., Registrované v: WOS

ADCA588 MIHALKOVIČ, Marek - WIDOM, M. Structure and stability of Al₂Fe and Al₅Fe₂: First-principles total energy and phonon calculations. In Physical Review B, 2012, vol. 85, no. 1, 014113. (2011: 3.691 - IF, Q1 - JCR, 3.326 - SJR, Q1 - SJR, karentované - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.85.014113>

Citácie:

1. [1.1] DINSDALE, Alan - FANG, Changming - QUE, Zhongping - FAN, Zhongyun. Understanding the Thermodynamics and Crystal Structure of Complex Fe Containing Intermetallic Phases Formed on Solidification of Aluminium Alloys. In JOM. ISSN 1047-4838, 2019, vol. 71, no. 5, pp. 1731-1736., Registrované v: WOS

2. [1.1] GHOSH, Tanmoy - FUKUDA, Takashi - KAKESHITA, Tomoyuki - KAUL, S. N. - MUKHOPADHYAY, P. K. Magnetic properties of disordered interacting electron system FeAl_{2-x}Gax (0 ≤ x ≤ 0.5): Origin of local moment behaviour and the stabilization of an antiferromagnetic phase by weak interplanar magnetic interaction. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2019, vol. 782, pp. 915-926., Registrované v: WOS

3. [1.1] OKAMOTO, Norihiko L. - HIGASHI, Masaya - INUI, Haruyuki. Crystal structure of eta ';-Fe₃Al_{7+x} determined by single-crystal synchrotron X-ray diffraction combined with scanning transmission electron microscopy. In SCIENCE AND TECHNOLOGY OF ADVANCED MATERIALS. ISSN 1468-6996, 2019, vol. 20, no. 1, pp. 543-556., Registrované v: WOS

4. [1.1] TOBITA, Kazuki - KITAHARA, Koichi - KATSURA, Yukari - SATO, Naoki - NISHIO-HAMANE, Daisuke - GOTO, Hirotada - KIMURA, Kaoru. Phase stability and thermoelectric properties of semiconductor-like tetragonal FeAl₂. In SCIENCE AND TECHNOLOGY OF ADVANCED MATERIALS. ISSN 1468-6996, 2019, vol. 20, no. 1, pp. 937-948., Registrované v: WOS

5. [1.1] VINOKUR, Anastasiya - HILLEKE, Katerina P. - FREDRICKSON, Daniel C. Principles of weakly ordered domains in intermetallics: the cooperative effects of atomic packing and electronics in Fe₂Al₅. In ACTA CRYSTALLOGRAPHICA A-FOUNDATION AND ADVANCES. ISSN 2053-2733, 2019, vol. 75, pp. 297-306., Registrované v: WOS

6. [1.1] XIA, Zheng - WEN, Bin - FAN, Changzeng. Structure and Stability of the Stoichiometric Al₃Fe Phase. In METALS, 2019, vol. 9, no. 12, 1322., Registrované v: WOS

ADCA589 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. (2000: 1.179 - IF, karentované - CCC). (2001 - Current Contents, SCOPUS). ISSN 0022-3727.

Citácie:

1. [1.1] FREYCHET, Guillaume - KUMAR, Dinesh - PANDOLFI, Ron J. -

NAULLEAU, Patrick - CORDOVA, Isvar - ERCIUS, Peter - SONG, Chengyu - STRZALKA, Joseph - HEXEMET, Alexander: Estimation of Line Cross Sections Using Critical-Dimension Grazing-Incidence Small-Angle X-Ray Scattering. In *PHYSICAL REVIEW APPLIED*. ISSN 2331-7019, 2019, vol. 12, no. 4, pp., Registrované v: WOS

2. [1.1] GOTTLIEB, S. - ROSNER, B. - EVANGELIO, L. - FERNANDEZ-REGULEZ, M. - NOGALES, A. - GARCIA-GUTIERREZ, M. C. - KELLER, T. F. - FRAXEDAS, J. - EZQUERRA, T. A. - DAVID, C. - PEREZ-MURANO, F. Self-assembly morphology of block copolymers in sub-10 nm topographical guiding patterns. In *MOLECULAR SYSTEMS DESIGN & ENGINEERING*. ISSN 2058-9689, 2019, vol. 4, no. 1, pp. 175-185., Registrované v: WOS

3. [1.1] HERRERO, Analía Fernandez - PFLUEGER, Mika - PROBST, Juergen - SCHOLZE, Frank - SOLTWISCH, Victor: Applicability of the Debye-Waller damping factor for the determination of the line-edge roughness of lamellar gratings. In *OPTICS EXPRESS*. ISSN 1094-4087, 2019, vol. 27, no. 22, pp. 32490-32507., Registrované v: WOS

4. [1.1] PFLUEGER, Mika - SOLTWISCH, Victor - XAVIER, Jolly - PROBST, Juergen - SCHOLZE, Frank - BECKER, Christiane - KRUMREY, Michael. Distortion analysis of crystalline and locally quasicrystalline 2D photonic structures with grazing-incidence small-angle X-ray scattering. In *JOURNAL OF APPLIED CRYSTALLOGRAPHY*. ISSN 0021-8898, 2019, vol. 52, no., pp. 322-331., Registrované v: WOS

5. [3.1] PFLÜGER, M. - KLINE, R.J. - HERRERO, A.F. - HAMMERSCHMIDT, M. - SOLTWISCH, V. - KRUMREY, M. Extracting dimensional parameters of gratings produced with self-aligned multiple patterning using GISAXS. *arXiv:1910.08532v1*. 2019, pp. 1-14.

ADCA590 MILANI, Sula** - ANGEL, Ross J. - SCANDOLO, Lorenzo - MAZZUCHELLI, Mattia L. - BALLARAN, Tiziana Boffa - KLEMME, Stephan - DOMENEGHETTI, Maria C. - MILETICH, Ronald - SCHEIDL, Katharina S. - DERZSI, Mariana - TOKÁR, Kamil - PRENCIPE, Mauro - ALVARO, Matteo - NESTOLA, Fabrizio. Thermo-elastic behavior of grossular garnet at high pressures and temperatures. In *American Mineralogist*, 2017, vol. 102, p. 851-859. (2016: 2.021 - IF, Q2 - JCR, 0.962 - SJR, Q2 - SJR, karentované - CCC). (2017 - Current Contents). ISSN 0003-004X. Dostupné na: <https://doi.org/10.2138/am-2017-5855>

Citácie:

1. [1.1] BARKOFF, Drew W. - ASHLEY, Kyle T. - GUIMARAES DA SILVA, Raquel - MAZDAB, Frank K. - STEELE-MACINNIS, Matthew. THERMOBAROMETRY OF THREE SKARNS IN THE LUDWIG AREA, NEVADA, BASED ON RAMAN SPECTROSCOPY AND ELASTIC MODELING OF MINERAL INCLUSIONS IN GARNET. In *CANADIAN MINERALOGIST*. ISSN 0008-4476, 2019, vol. 57, no. 1, pp. 25-45., Registrované v: WOS

2. [1.1] KROLL, Herbert - SCHMID-BEURMANN, Peter - SELL, Alexander - BUESCHER, Julia - DOHR, Robin - KIRFEL, Armin. Thermal expansion and thermal pressure in Co and Ni olivines: A comparison with Mn and Fe olivines. In *EUROPEAN JOURNAL OF MINERALOGY*. ISSN 0935-1221, 2019, vol. 31, no. 2, pp. 313-324., Registrované v: WOS

ADCA591 MORAVČÍKOVÁ, Lenka - ZIMAN, Mário. Entanglement-annihilating and entanglement-breaking channels. In *Journal of Physics A*, 2010, vol. 43, no. 27, 275306. (2009: 1.577 - IF, Q2 - JCR, 1.077 - SJR, Q1 - SJR, karentované - CCC). (2010 - Current Contents, EBSCO, SCOPUS). ISSN 1751-8113. Dostupné na: <https://doi.org/10.1088/1751-8113/43/27/275306>

Citácie:

1. [1.1] CHRISTANDL, Matthias - MUELLER-HERMES, Alexander - WOLF, Michael M. When Do Composed Maps Become Entanglement Breaking? In ANNALES HENRI POINCARÉ. ISSN 1424-0637, 2019, vol. 20, no. 7, pp. 2295-2322., Registrované v: WOS

2. [1.1] FILIPPOV, Sergey N. - KUZHAMURATOVA, Ksenia V. Quantum informational properties of the Landau-Streater channel. In JOURNAL OF MATHEMATICAL PHYSICS. ISSN 0022-2488, 2019, vol. 60, no. 4, 042202., Registrované v: WOS

ADCA592 MORHÁČ, Miroslav - MATOUŠEK, Vladislav. Complete positive deconvolution of spectrometric data. In Digital Signal Processing, 2009, vol. 19, no. 3, p.372-392. ISSN 1051-2004. Dostupné na: <https://doi.org/10.1016/j.dsp.2008.06.002>

Citácie:

1. [1.1] ALIZADEH, Davood - ASHRAFI, Saleh. New hybrid metaheuristic algorithm for scintillator gamma ray spectrum analysis. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, 2019, vol. 915, pp. 1-9., Registrované v: WOS

2. [1.1] LI, Tianqi - HOU, Zongyu - FU, Yangting - YU, Jianlong - GU, Weilun - WANG, Zhe. Correction of self-absorption effect in calibration-free laser-induced breakdown spectroscopy (CF-LIBS) with blackbody radiation reference. In ANALYTICA CHIMICA ACTA. ISSN 0003-2670, 2019, vol. 1058, pp. 39-47., Registrované v: WOS

3. [1.1] MAALI, J. J. - SHABANOV, S. V. Error analysis in optimization problems relevant for calibration-free laser-induced breakdown spectroscopy. In JOURNAL OF QUANTITATIVE SPECTROSCOPY & RADIATIVE TRANSFER. ISSN 0022-4073, 2019, vol. 222, pp. 236-246., Registrované v: WOS

ADCA593 MORHÁČ, Miroslav - KLIMAN, Ján - JANDEL, Marián - KRUPA, L. - MATOUŠEK, Vladislav. Study of fitting algorithms applied to simultaneous analysis of large numbers of peaks in gamma-ray spectra. In Applied Spectroscopy, 2003, vol. 57, no. 7, p.753-760. Dostupné na: <https://doi.org/10.1366/000370203322102825>

Citácie:

1. [1.1] ALIZADEH, Davood - ASHRAFI, Saleh. New hybrid metaheuristic algorithm for scintillator gamma ray spectrum analysis. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, 2019, vol. 915, pp. 1-9., Registrované v: WOS

2. [1.1] ARCIDIACONO, L. - PARMENTIER, A. - FESTA, G. - MARTINON-TORRES, M. - ANDREANI, C. - SENESI, R. Validation of a new data-analysis software for multiple-peak analysis of gamma spectra at ISIS pulsed Neutron and Muon Source. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, 2019, vol. 938, pp. 51-55., Registrované v: WOS

ADCA594 MORHÁČ, Miroslav - KLIMAN, Ján - MATOUŠEK, Vladislav - VESELSKÝ, Martin - TURZO, Ivan. Background elimination methods for multidimensional coincidence gamma-ray spectra. In Nuclear Instruments and Methods in Physics Research A, 1997, vol. 401, no. 1, p. 113-132. (1996: 1.038 - IF, karentované - CCC). (1997 - Current Contents, SCOPUS). ISSN 0168-9002. Dostupné na: [https://doi.org/10.1016/S0168-9002\(97\)01023-1](https://doi.org/10.1016/S0168-9002(97)01023-1)

Citácie:

1. [1.1] DAL BELLO, Riccardo - MARTINS, Paulo Magalhaes - GRACA, Joao -

- HERMANN, German - KIHM, Thomas - SECO, Joao. Results from the experimental evaluation of CeBr₃ scintillators for ⁴He prompt gamma spectroscopy. In MEDICAL PHYSICS. ISSN 0094-2405, 2019, vol. 46, no. 8, pp. 3615-3626., Registrované v: WOS
2. [1.1] EIGEN, G. - CVACH, J. - KVASNICKA, J. - POLAK, I - TRAEET, A. - ZALIECKAS, J. Gain stabilization of SiPMs with an adaptive power supply. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, 2019, vol. 14, p05006., Registrované v: WOS
3. [1.1] GAMBA, E. R. - BRUCE, A. M. - RUDIGIER, M. Treatment of background in gamma-gamma fast-timing measurements. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, 2019, vol. 928, pp. 93-103., Registrované v: WOS
4. [1.1] JANG, Wooyoung - ZAMAN, Muhammad - KIM, Guinyun - NAIK, Haladhara - CHOI, Jeongyun - YANG, Hyunseo - LEE, Jeongwoo - OH, Joonhee - CHOI, Youlki. Measurement of half-lives for Y-87m, Y-g and Au-196m, Au-g, Au-194 produced from the photon and neutron induced reactions of Y-89 and Au-197. In JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY. ISSN 0236-5731, 2019, vol. 321, no. 2, pp. 765-773., Registrované v: WOS
5. [1.1] LEE, Taewoong - KIM, Younghak - JO, Ajin - KIM, Jongguk - LEE, Wonho. Performance of a virtual frisch-grid CdZnTe detector for prompt gamma-ray induced by 14 MeV neutrons: Monte Carlo simulation study. In APPLIED RADIATION AND ISOTOPES. ISSN 0969-8043, 2019, vol. 153, 108818., Registrované v: WOS
6. [1.1] LI, Fei - GU, Zhixing - GE, Liangquan - LI, Hui - TANG, Xinyu - LANG, Xinle - HU, Bo. Review of recent gamma spectrum unfolding algorithms and their application. In RESULTS IN PHYSICS. ISSN 2211-3797, 2019, vol. 13, 102211., Registrované v: WOS
7. [1.1] SCHUG, David - NADIG, Vanessa - WEISSLER, Bjoern - GEBHARDT, Pierre - SCHULZ, Volkmar. Initial Measurements with the PETsys TOFPET2 ASIC Evaluation Kit and a Characterization of the ASIC TDC. In IEEE TRANSACTIONS ON RADIATION AND PLASMA MEDICAL SCIENCES. ISSN 2469-7311, 2019, vol. 3, no. 4, pp. 444-453., Registrované v: WOS
8. [1.1] TOSSON, A. - SHOKR, M. - ABBOD, A. - BEBAWY, Y. - ALGASHI, A. - HARTMANN, R. - KLAUS, M. - GENZEL, C. - STRUEDER, L. - PIETSCH, U. EDLD-Tool: A real-time GPU-based tool to stream and analyze energy-dispersive Laue diffraction of BIG Data sets collected by a pnCCD. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, 2019, vol. 14, P01008., Registrované v: WOS

ADCA595 MORHÁČ, Miroslav - KLIMAN, Ján - MATOUŠEK, Vladislav - VESELSKÝ, Martin - TURZO, Ivan. Identification of peaks in multidimensional coincidence gamma-ray spectra. In Nuclear Instruments and Methods in Physics Research A. Accelerators, Spectrometers, Detectors and Associated Equipment, 2000, vol. 443, no. 1, p. 108-125. (1999: 0.921 - IF, karentované - CCC). (2000 - Current Contents, SCOPUS). ISSN 0168-9002. Dostupné na: [https://doi.org/10.1016/S0168-9002\(99\)01005-0](https://doi.org/10.1016/S0168-9002(99)01005-0)

Citácie:

1. [1.1] ARCIDIACONO, L. - PARMENTIER, A. - FESTA, G. - MARTINON-TORRES, M. - ANDREANI, C. - SENESI, R. Validation of a new data-analysis software for multiple-peak analysis of gamma spectra at ISIS pulsed Neutron and Muon Source. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS

RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, 2019, vol. 938, pp. 51-55., Registrované v: WOS

2. [1.1] EIGEN, G. - CVACH, J. - KVASNICKA, J. - POLAK, I - TRAEET, A. - ZALIECKAS, J. Gain stabilization of SiPMs with an adaptive power supply. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, 2019, vol. 14, p05006., Registrované v: WOS

3. [1.1] SCHUG, David - NADIG, Vanessa - WEISSLER, Bjoern - GEBHARDT, Pierre - SCHULZ, Volkmar. Initial Measurements with the PETsys TOFPET2 ASIC Evaluation Kit and a Characterization of the ASIC TDC. In IEEE TRANSACTIONS ON RADIATION AND PLASMA MEDICAL SCIENCES. ISSN 2469-7311, 2019, vol. 3, no. 4, pp. 444-453., Registrované v: WOS

4. [1.1] TOSSON, A. - SHOKR, M. - ABOUD, A. - BEBAWY, Y. - ALGASHI, A. - HARTMANN, R. - KLAUS, M. - GENZEL, C. - STRUEDER, L. - PIETSCH, U. EDLD-Tool: A real-time GPU-based tool to stream and analyze energy-dispersive Laue diffraction of BIG Data sets collected by a pnCCD. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, 2019, vol. 14, P01008., Registrované v: WOS

ADCA596 MORHÁČ, Miroslav - KLIMAN, Ján - MATOUŠEK, Vladislav - VESELSKÝ, Martin - TURZO, Ivan. Efficient one-and two-dimensional gold deconvolution and its application. In Nuclear Instruments and Methods in Physics Research A, 1997, vol. 401, no. 2-3, p. 385-408. (1996: 1.038 - IF, karentované - CCC). (1997 - Current Contents, SCOPUS). ISSN 0168-9002. Dostupné na: [https://doi.org/10.1016/S0168-9002\(97\)01058-9](https://doi.org/10.1016/S0168-9002(97)01058-9)

Citácie:

1. [1.1] EIGEN, G. - CVACH, J. - KVASNICKA, J. - POLAK, I - TRAEET, A. - ZALIECKAS, J. Gain stabilization of SiPMs with an adaptive power supply. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, 2019, vol. 14, p05006., Registrované v: WOS

2. [1.1] TOSSON, A. - SHOKR, M. - ABOUD, A. - BEBAWY, Y. - ALGASHI, A. - HARTMANN, R. - KLAUS, M. - GENZEL, C. - STRUEDER, L. - PIETSCH, U. EDLD-Tool: A real-time GPU-based tool to stream and analyze energy-dispersive Laue diffraction of BIG Data sets collected by a pnCCD. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, 2019, vol. 14, P01008., Registrované v: WOS

ADCA597 MORHÁČ, Miroslav - MATOUŠEK, Vladislav. High-resolution boosted deconvolution of spectroscopic data. In Journal of Computational and Applied Mathematics, 2011, vol. 235, no. 6, p. 1629-1640. (2010: 1.030 - IF, Q2 - JCR, 0.920 - SJR, Q2 - SJR, karentované - CCC). (2011 - Current Contents). ISSN 0377-0427. Dostupné na: <https://doi.org/10.1016/j.cam.2010.09.005>

Citácie:

1. [1.1] ALIZADEH, Davood - ASHRAFI, Saleh. New hybrid metaheuristic algorithm for scintillator gamma ray spectrum analysis. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, 2019, vol. 915, pp. 1-9., Registrované v: WOS

2. [1.1] PRZYGONSKA, Kaja - PACEWICZ, Magdalena - SADOWSKA, Wiktoria - POZNANSKI, Jaroslaw - BAL, Wojciech - DADLEZ, Michal. His6, His13, and His14 residues in A beta 1-40 peptide significantly and specifically affect oligomeric equilibria. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2019, vol. 9, 9449., Registrované v: WOS

3. [1.1] WANG, Zeyu - GONG, Pin - LIANG, Dajian - TANG, Xiaobin - WANG,

Peng - ZHANG, Jinzhao - GAO, Le - ZHANG, Rui. Spectrometry analysis algorithm based on R-L deconvolution and fuzzy inference. In *APPLIED RADIATION AND ISOTOPES*. ISSN 0969-8043, 2019, vol. 153, 108817., Registrované v: WOS

4. [1.1] ZHOU, R. J. - ZHONG, G. Q. - HU, L. Q. - TARDOCCHI, M. - RIGAMONTI, D. - GIACOMELLI, L. - NOCENTE, M. - GORINI, G. - FAN, T. S. - ZHANG, Y. M. - HU, Z. M. - XIAO, M. - LI, K. - ZHANG, Y. K. - HONG, B. - ZHANG, Y. - LIN, S. Y. - ZHANG, J. Z. Development of gamma ray spectrometer with high energy and time resolutions on EAST tokamak. In *REVIEW OF SCIENTIFIC INSTRUMENTS*. ISSN 0034-6748, 2019, vol. 90, no. 12, 123510., Registrované v: WOS

ADCA598 MORHÁČ, Miroslav - MATOUŠEK, Vladislav. Peak clipping algorithms for background estimation in spectroscopic data. In *Applied Spectroscopy*, 2008, vol. 62, no. 1, p. 91-106. (2007: 1.902 - IF, Q1 - JCR, 0.782 - SJR, Q1 - SJR). ISSN 0003-7028. Dostupné na: <https://doi.org/10.1366/000370208783412762>

Citácie:

1. [1.1] CARSCH, Kurtis M. - DIMUCCI, Ida M. - IOVAN, Diana A. - LI, Alex - ZHENG, Shao-Liang - TITUS, Charles J. - LEE, Sang Jun - IRWIN, Kent D. - NORDLUND, Dennis - LANCASTER, Kyle M. - BETLEY, Theodore A. Synthesis of a copper-supported triplet nitrene complex pertinent to copper-catalyzed amination. In *SCIENCE*. ISSN 0036-8075, 2019, vol. 365, no. 6458, pp. 1138-+, Registrované v: WOS

2. [1.1] CHANG, Kai-Wei - CHENG, Ho-Wen - SHIUE, Jessie - WANG, Juen-Kai - WANG, Yuh-Lin - HUANG, Nien-Tsu. Antibiotic Susceptibility Test with Surface-Enhanced Raman Scattering in a Microfluidic System. In *ANALYTICAL CHEMISTRY*. ISSN 0003-2700, 2019, vol. 91, no. 17, pp. 10988-10995., Registrované v: WOS

3. [1.1] DIMUCCI, Ida M. - LUKENS, James T. - CHATTERJEE, Sudipta - CARSCH, Kurtis M. - TITUS, Charles J. - LEE, Sang Jun - NORDLUND, Dennis - BETLEY, Theodore A. - MACMILLAN, Samantha N. - LANCASTER, Kyle M. The Myth of d(8) Copper(III). In *JOURNAL OF THE AMERICAN CHEMICAL SOCIETY*. ISSN 0002-7863, 2019, vol. 141, no. 46, pp. 18508-18520., Registrované v: WOS

4. [1.1] HANSSON, Ben - ALLEN, Christian Harry - QUTOB, Sami - BEHR, Bradford - NYIRI, Balazs - CHAUHAN, Vinita - MURUGKAR, Sangeeta. Development of a flow cell based Raman spectroscopy technique to overcome photodegradation in human blood. In *BIOMEDICAL OPTICS EXPRESS*. ISSN 2156-7085, 2019, vol. 10, no. 5, pp. 2290-2303., Registrované v: WOS

5. [1.1] LI, Fei - GU, Zhixing - GE, Liangquan - LI, Hui - TANG, Xinyu - LANG, Xinle - HU, Bo. Review of recent gamma spectrum unfolding algorithms and their application. In *RESULTS IN PHYSICS*. ISSN 2211-3797, 2019, vol. 13, 102211., Registrované v: WOS

6. [1.1] LUENSDORF, Nils Keno - KALIES, Jannick - AHLERS, Patrick - DUNKL, Istvan - VON EYNATTEN, Hilmar. Semi-Automated Heavy-Mineral Analysis by Raman Spectroscopy. In *MINERALS*. ISSN 2075-163X, 2019, vol. 9, no. 7, 385., Registrované v: WOS

7. [1.1] LUKENS, James T. - DIMUCCI, Ida M. - KUROGI, Takashi - MINDIOLA, Daniel J. - LANCASTER, Kyle M. Scrutinizing metal-ligand covalency and redox non-innocence via nitrogen K-edge X-ray absorption spectroscopy. In *CHEMICAL SCIENCE*. ISSN 2041-6520, 2019, vol. 10, no. 19, pp. 5044-5055., Registrované v: WOS

ADCA599 MORHÁČ, Miroslav. An algorithm for determination of peak regions and baseline

elimination in spectroscopic data. In Nuclear Instruments and Methods in Physics Research A. Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, vol. 600, no. 2, pp. 478-487. (2008: 1.019 - IF, Q2 - JCR, 0.755 - SJR, Q2 - SJR, karentované - CCC). (2009 - Current Contents, SCOPUS). ISSN 0168-9002. Dostupné na: <https://doi.org/10.1016/j.nima.2008.11.132>

Citácie:

1. [1.1] GEORGES, R. - THIEVIN, J. - BENIDAR, A. - CARIÉS, S. - AMYAY, B. - LOUVIOT, M. - BOUDON, V. - VANDER AUWERA, J. High enthalpy source dedicated to quantitative infrared emission spectroscopy of gas flows at elevated temperatures. In REVIEW OF SCIENTIFIC INSTRUMENTS. ISSN 0034-6748, 2019, vol. 90, no. 9, 093103., Registrované v: WOS
2. [1.1] LI, Fei - GU, Zhixing - GE, Liangquan - LI, Hui - TANG, Xinyu - LANG, Xinle - HU, Bo. Review of recent gamma spectrum unfolding algorithms and their application. In RESULTS IN PHYSICS. ISSN 2211-3797, 2019, vol. 13, 102211., Registrované v: WOS
3. [1.1] LIU, C. - MA, H. - PAN, X. - ZENG, Z. - LI, J. - ZHANG, H. Response of LaBr₃:Ce scintillation detector itself to fast neutrons. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, 2019, vol. 14, P06029., Registrované v: WOS
4. [1.1] LIU, Cuihong - PAN, Xingyu - MA, Hao - ZENG, Zhi - LI, Junli - ZHANG, Hui. A study on neutron energy spectrum estimation by LaBr₃:Ce detector. In JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY. ISSN 0236-5731, 2019, vol. 320, no. 3, pp. 859-864., Registrované v: WOS
5. [1.1] PROUDIAN, Andrew P. - JASKOT, Matthew B. - DIERCKS, David R. - GORMAN, Brian P. - ZIMMERMAN, Jeramy D. Atom Probe Tomography of Molecular Organic Materials: Sub-Dalton Nanometer-Scale Quantification. In CHEMISTRY OF MATERIALS. ISSN 0897-4756, 2019, vol. 31, no. 7, pp. 2241-2247., Registrované v: WOS
6. [1.1] SALVADOR, Lorena - GUIJARRO, Michelle - RUBIO, Daniela - AUCATOMA, Bolivar - GUILLEN, Tanya - VARGAS JENTZSCH, Paul - CIOBOTA, Valerian - STOLKER, Linda - ULIC, Sonia - VASQUEZ, Luis - GARRIDO, Patricia - BRAVO, Juan - RAMOS GUERRERO, Luis. Exploratory Monitoring of the Quality and Authenticity of Commercial Honey in Ecuador. In FOODS. ISSN 2304-8158, 2019, vol. 8, no. 3, 105., Registrované v: WOS

ADCA600

MORHÁČ, Miroslav. Deconvolution methods and their applications in the analysis of gamma-ray spectra. In Nuclear Instruments and Methods in Physics Research A, 2006, vol. 559, no. 1, p. 119-123. (2005: 1.224 - IF, Q1 - JCR, 0.858 - SJR, Q1 - SJR, karentované - CCC). (2006 - Current Contents, WOS, SCOPUS). ISSN 0168-9002. Dostupné na: <https://doi.org/10.1016/j.nima.2005.11.129>

Citácie:

1. [1.1] PIETERSE, Cornelius L. - DE KOCK, Michiel B. - ROBERTSON, Wesley D. - EGGERS, Hans C. - MILLER, R. J. Dwayne. Rapid deconvolution of low-resolution time-of-flight data using Bayesian inference. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2019, vol. 151, no. 24, 244307., Registrované v: WOS
2. [1.1] ZHOU, R. J. - ZHONG, G. Q. - HU, L. Q. - TARDOCCHI, M. - RIGAMONTI, D. - GIACOMELLI, L. - NOCENTE, M. - GORINI, G. - FAN, T. S. - ZHANG, Y. M. - HU, Z. M. - XIAO, M. - LI, K. - ZHANG, Y. K. - HONG, B. - ZHANG, Y. - LIN, S. Y. - ZHANG, J. Z. Development of gamma ray spectrometer with high energy and time resolutions on EAST tokamak. In REVIEW OF SCIENTIFIC INSTRUMENTS. ISSN 0034-6748, 2019, vol. 90, no. 12, 123510., Registrované v: WOS

- ADCA601 MORIMAE, T. - NAGAJ, Daniel - SCHUCH, N. Quantum proofs can be verified using only single-qubit measurements. In *Physical Review A*, 2016, vol. 93, no. 2, art. no. 022326. (2015: 2.765 - IF, Q1 - JCR, 1.747 - SJR, Q1 - SJR, karentované - CCC). (2016 - Current Contents). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.93.022326>
Citácie:
1. [1.1] *GHEORGHIU, Alexandru - KAPOURNIOTIS, Theodoros - KASHEFI, Elham. Verification of Quantum Computation: An Overview of Existing Approaches. In THEORY OF COMPUTING SYSTEMS. ISSN 1432-4350, 2019, vol. 63, no. 4, pp. 715-808., Registrované v: WOS*
- ADCA602 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. (2012: 2.145 - IF, Q2 - JCR, 1.104 - SJR, Q1 - SJR, karentované - CCC). (2013 - Current Contents). ISSN 0009-2614. Dostupné na: <https://doi.org/10.1016/j.cplett.2013.04.053>
Citácie:
1. [1.1] *ABD EL-KHALEK, H. - ABD-EL SALAM, Mohamed - AMIN, Fatma M. Fabrication and characterization of dual-band organic/inorganic photodetector for optoelectronic applications. In CURRENT APPLIED PHYSICS. ISSN 1567-1739, 2019, vol. 19, no. 5, pp. 629-638., Registrované v: WOS*
2. [1.1] *SMILGIES, Detlef-M. Grazing-incidence X-ray scattering of lamellar thin films. In JOURNAL OF APPLIED CRYSTALLOGRAPHY. ISSN 0021-8898, 2019, vol. 52, pp. 247-251., Registrované v: WOS*
- ADCA603 MOSER, Zbigniew - ŠEBO, Pavol - GAŚIOR, Władisław - ŠVEC, Peter - PSTRUŚ, Janusz. Effect of indium on wettability of Sn-Ag-Cu solders. Experiment vs. modeling. In *CALPHAD: Computer Coupling of Phase Diagrams and Thermochemistry*, 2009, vol. 33, no.1, p. 63-68. (2008: 1.530 - IF, Q1 - JCR, 1.220 - SJR, Q1 - SJR). ISSN 0364-5916. Dostupné na: <https://doi.org/10.1016/j.calphad.2008.10.001>
Citácie:
1. [1.1] *SAYYADI, Reza - NAFFAKH-MOOSAVY, Homam. The Role of Intermetallic Compounds in Controlling the Microstructural, Physical and Mechanical Properties of Cu-[Sn-Ag-Cu-Bi]-Cu Solder Joints. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2019, vol. 9, 8389., Registrované v: WOS*
2. [3.1] *UYANIK, Okan; ERER, Ahmet Mustafa; TÜREN, Yunus. Effect of Indium on Wettability of Sn-2Ag-0, 5Cu-1In Quaternary Solder Alloy on Cu Substrate. In EL-CEZERI JOURNAL OF SCIENCE AND ENGINEERING, vol. 6, no. 1, pp. 1-7. Doi 10.31202/ecjse.44143, Dostupné na: <https://dergipark.org.tr/en/download/article-file/637930>*
- ADCA604 MOVASSAGH, R. - FARHI, E. - GOLDSTONE, J. - NAGAJ, Daniel - OSBORNE, T.J. - SHOR, P.W. Unfrustrated qudit chains and their ground states. In *Physical Review A*, 2010, vol. 82, no. 1, 012318. (2009: 2.866 - IF, Q2 - JCR, 2.469 - SJR, Q1 - SJR, karentované - CCC). (2010 - Current Contents). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.82.012318>
Citácie:
1. [1.1] *HE, Kun - LI, Qian - SUN, Xiaoming - ZHANG, Jiapeng. Quantum Lovasz Local Lemma: Shearer's Bound Is Tight. In PROCEEDINGS OF THE 51ST ANNUAL ACM SIGACT SYMPOSIUM ON THEORY OF COMPUTING (STOC '19). ISSN 0737-8017, 2019, pp. 461-472., Registrované v: WOS*
2. [1.1] *LEMM, Marius - MOZGUNOV, Evgeny. Spectral gaps of frustration-free spin systems with boundary. In JOURNAL OF MATHEMATICAL PHYSICS. ISSN*

0022-2488, 2019, vol. 60, no. 5, 051901., Registrované v: WOS

3. [1.1] LEMM, Marius. Gaplessness is not generic for translation-invariant spin chains. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2019, vol. 100, no. 3, 035113., Registrované v: WOS

- ADCA605 MÚDRA, Erika** - SHEPA, Ivan - MILKOVIČ, Ondrej - DANKOVÁ, Zuzana - KOVALČÍKOVÁ, Alexandra - ANNUŠOVÁ, Adriana - MAJKOVÁ, Eva - DUSZA, Ján. Effect of iron doping on the properties of SnO₂ nano/microfibers. In *Applied Surface Science*, 2019, vol. 480, p. 876-881. (2018: 5.155 - IF, Q1 - JCR, 1.115 - SJR, Q1 - SJR, karentované - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 0169-4332. Dostupné na: <https://doi.org/10.1016/j.apsusc.2019.03.041>

Citácie:

1. [1.1] GAO, Xin - ZHOU, Qu - LU, Zhaorui - XU, Lingna - ZHANG, Qingyan - ZENG, Wen. Synthesis of Cr₂O₃ Nanoparticle-Coated SnO₂ Nanofibers and C₂H₂ Sensing Properties. In *FRONTIERS IN MATERIALS*. ISSN 2296-8016, 2019, vol. 6, no., pp., Registrované v: WOS

- ADCA606 MÜLLEROVÁ, Jarmila** - SCHOLTZ, Ľubomír - ĎURIŠOVÁ, Jana - PINČÍK, Emil - SOLANSKÁ, Michaela - PUDIŠ, Dušan. Angle- and polarization resolved antireflection properties of black silicon prepared by electrochemical etching supported by external electric field. In *Applied Surface Science*, 2018, vol. 461, p. 182 -189. (2017: 4.439 - IF, Q1 - JCR, 1.093 - SJR, Q1 - SJR, karentované - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 0169-4332. Dostupné na: <https://doi.org/10.1016/j.apsusc.2018.05.179>

Citácie:

1. [1.1] NOOR, Nur Afidah Md. - MOHAMAD, Siti Khadijah - HAMIL, Siti Sarah - DEVARAJAN, Mutharasu - PAKHURUDDIN, Mohd Zamir. Effects of etching time towards broadband absorption enhancement in black silicon fabricated by silver-assisted chemical etching. In *OPTIK*. ISSN 0030-4026, 2019, vol. 176, pp. 586-592., Registrované v: WOS

2. [1.1] TAKAMURA, S. - AOTA, T. - IWATA, H. - MAENAKA, S. - FUJITA, K. - KIKUCHI, Y. - UESUGI, Y. Black silicon with nanostructured surface formed by low energy helium plasma irradiation. In *APPLIED SURFACE SCIENCE*. ISSN 0169-4332, 2019, vol. 487, pp. 755-765., Registrované v: WOS

3. [1.1] ZHU, Guan-jia - LUO, Wei - WANG, Lianjun - JIANG, Wan - YANG, Jianping. Silicon: toward eco-friendly reduction techniques for lithium-ion battery applications. In *JOURNAL OF MATERIALS CHEMISTRY A*. ISSN 2050-7488, 2019, vol. 7, no. 43, pp. 24715-24737., Registrované v: WOS

- ADCA607 MUTTALIB, K.A. - MARKOŠ, Peter - WOLFLE, P. Conductance distribution in strongly disordered mesoscopic systems in three dimensions. In *Physical Review B*, 2005, vol. 72, no. 12, 125317. (2004: 3.075 - IF, karentované - CCC). (2005 - Current Contents). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.72.125317>

Citácie:

1. [1.1] SUSLOV, I. M. Conductance distribution in the magnetic field. In *PHILOSOPHICAL MAGAZINE*. ISSN 1478-6435, 2019, vol. 99, no. 2, pp. 247-266., Registrované v: WOS

- ADCA608 NÁDAŽDY, Vojtech - YAKUSHEV, M. - DJEBBAR, E.H. - HILL, A.E. - TOMLINSON, R.D. Switching of deep levels in CuInSe₂ due to electric field-induced Cu ion migration. In *Journal of Applied Physics*, 1998, vol. 84, no. 8, p. 4322-4326. (1997: 1.630 - IF, karentované - CCC). (1998 - Current Contents, SCOPUS). ISSN 0021-8979. Dostupné na: <https://doi.org/10.1063/1.368651>

Citácie:

1. [1.1] DJABAR, Mustapha - SATOUR, Fatima Zohra - ZEGADI, Ameer - YAKUSHEV, Michael. Near-infrared optical analysis of $\text{CuInSe}_2(1 \pm x)$ crystals using transmission, photoacoustic and transmission-photoacoustic spectroscopies. In *INFRARED PHYSICS & TECHNOLOGY*. ISSN 1350-4495, 2019, vol. 100, no., pp. 37-43., Registrované v: WOS
2. [1.1] HSU, Chih-Chieh - LIN, Yu-Sheng. Electrode dependence of resistive switching characteristics in copper (II) oxide memory devices. In *SEMICONDUCTOR SCIENCE AND TECHNOLOGY*. ISSN 0268-1242, 2019, vol. 34, no. 7, 075012., Registrované v: WOS
3. [1.1] SATOUR, Fatima Zohra - ZEGADI, Ameer. Detailed absorption analysis from photoacoustic measurements of post-annealed CuInSe_2 in various environments. In *INFRARED PHYSICS & TECHNOLOGY*. ISSN 1350-4495, 2019, vol. 96, pp. 238-243., Registrované v: WOS

ADCA609 NÁDAŽDY, Vojtech - GMUCOVÁ, Katarína** - NÁDAŽDY, Peter - ŠIFFALOVÍČ, Peter - VÉGSO, Karol - JERGEL, Matej - SCHAUER, František - MAJKOVÁ, Eva. Thickness effect on structural defect-related density of states and crystallinity in P3HT thin films on ITO substrates. In *Journal of Physical Chemistry C*, 2018, vol. 122, no. 11, p. 5881-5887. (2017: 4.484 - IF, Q1 - JCR, 2.135 - SJR, Q1 - SJR, karentované - CCC). (2018 - Current Contents). ISSN 1932-7447. Dostupné na: <https://doi.org/10.1021/acs.jpcc.7b11651>

Citácie:

1. [1.1] CHIH, Adel - BOUJAMIL, Mohamed Fethi - BESSAIS, Brahim. Synthesis and characterization of photoactive material $\text{Cu}_2\text{NiSnS}_4$ thin films. In *JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS*. ISSN 0957-4522, 2019, vol. 30, no. 4, pp. 3338-3348., Registrované v: WOS
2. [1.1] HIEN NGUYEN - WANG, Mengyuan - HSIAO, Ming-Yin - NAGAI, Kazukiyo - DING, Yifu - LIN, Haiqing. Suppression of crystallization in thin films of cellulose diacetate and its effect on CO_2/CH_4 separation properties. In *JOURNAL OF MEMBRANE SCIENCE*. ISSN 0376-7388, 2019, vol. 586, pp. 7-14., Registrované v: WOS

ADCA610 NÁDAŽDY, Vojtech - SCHAUER, F. - GMUCOVÁ, Katarína. Energy resolved electrochemical impedance spectroscopy for electronic structure mapping in organic semiconductors. In *Applied Physics Letters*, 2014, vol. 105, no. 14, 142109. (2013: 3.515 - IF, Q1 - JCR, 2.149 - SJR, karentované - CCC). (2014 - Current Contents). ISSN 0003-6951. Dostupné na: <https://doi.org/10.1063/1.4898068>

Citácie:

1. [1.1] ATXABAL, Ainhora - ARNOLD, Thorsten - PARUI, Subir - ZUCCATTI, Elisabetta - CINCHETTI, Mirko - CASANOVA, Felix - ORTMANN, Frank - HUESO, Luis E. Molecular spectroscopy in a solid-state device. In *MATERIALS HORIZONS*. ISSN 2051-6347, 2019, vol. 6, no. 8, pp. 1663-1668., Registrované v: WOS
2. [1.1] VOITSEKHOVSKII, Alexander V. - NESMELOV, Sergey N. - NOVIKOV, Vadim A. - DZYADUKH, Stanislav M. - KOPYLOVA, Tatyana N. - IVONIN, Ivan - DEGTYARENKO, Konstantin M. - TERESHCHENKO, Evgeny. Admittance characterization of pentacene metal-insulator-semiconductor capacitors with SiO_2 and $\text{SiO}_2/\text{Ga}_2\text{O}_3$ insulators in temperature range of 9-300 K. In *THIN SOLID FILMS*. ISSN 0040-6090, 2019, vol. 692, 137622., Registrované v: WOS
3. [1.1] WEBER, Michelle - WESTENDORF, Sophia - MAERKER, Bjoern - BRAUN, Kai - SCHEELE, Marcus. Opportunities and challenges for electrochemistry in studying the electronic structure of nanocrystals. In *PHYSICAL CHEMISTRY CHEMICAL PHYSICS*. ISSN 1463-9076, 2019, vol. 21, no. 18, pp. 8992-9001., Registrované v: WOS

- ADCA611 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.
- Citácie:
- [1.1] *ABHIJITH, J. - PATEL, Apoorva. IMPROVING THE QUERY COMPLEXITY OF QUANTUM SPATIAL SEARCH IN TWO DIMENSIONS. In QUANTUM INFORMATION & COMPUTATION. ISSN 1533-7146, 2019, vol. 19, no. 7-8, pp. 555-574., Registrované v: WOS*
 - [1.1] *XU, Guanglei - DALEY, Andrew J. - GIVI, Peyman - SOMMA, Rolando D. Quantum algorithm for the computation of the reactant conversion rate in homogeneous turbulence. In COMBUSTION THEORY AND MODELLING. ISSN 1364-7830, 2019, vol. 23, no. 6, pp. 1090-1104., Registrované v: WOS*
- ADCA612 NAGAJ, Daniel - WOCJAN, P. Hamiltonian quantum cellular automata in one dimension. In Physical Review A, 2008, vol. 78, no. 3, 032311. (2007: 2.893 - IF, Q1 - JCR, 2.524 - SJR, Q1 - SJR, karentované - CCC). (2008 - Current Contents). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.78.032311>
- Citácie:
- [1.1] *ARRIGHI, P. An overview of quantum cellular automata. In NATURAL COMPUTING. ISSN 1567-7818, 2019, vol. 18, no. 4, pp. 885-899., Registrované v: WOS*
 - [1.1] *KERMAN, Andrew J. Superconducting qubit circuit emulation of a vector spin-1/2. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2019, vol. 21, 073030., Registrované v: WOS*
- ADCA613 NAGAJ, Daniel - BRODUTCH, A. - SATTATH, O. - UNRUH, D. An adaptive attack on Wiesner's quantum money based on interaction-free measurement. In Quantum Information and Computation, 2016, vol. 16, no. 11-12, p. 1048-1070. (2015: 1.328 - IF, Q2 - JCR, 0.753 - SJR, Q2 - SJR, karentované - CCC). (2016 - Current Contents). ISSN 1533-7146.
- Citácie:
- [1.1] *BOZZIO, Mathieu - DIAMANTI, Eleni - GROSSHANS, Frederic. Semi-device-independent quantum money with coherent states. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 99, no. 2, 022336., Registrované v: WOS*
- ADCA614 NAGAJ, Daniel. Fast universal quantum computation with railroad-switch local Hamiltonians. In Journal of Mathematical Physics, 2010, vol. 51, no. 6, 062201. (2009: 1.318 - IF, Q3 - JCR, 0.829 - SJR, Q2 - SJR, karentované - CCC). (2010 - Current Contents). ISSN 0022-2488. Dostupné na: <https://doi.org/10.1063/1.3384661>
- Citácie:
- [1.1] *CIANI, A. - TERHAL, B. M. - DIVINCENZO, D. P. Hamiltonian quantum computing with superconducting qubits. In QUANTUM SCIENCE AND TECHNOLOGY. ISSN 2058-9565, 2019, vol. 4, no. 3, 035002., Registrované v: WOS*
 - [1.1] *SUN, Jie - LU, Songfeng. On the quantum adiabatic evolution with the most general system Hamiltonian. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2019, vol. 18, no. 7, 211., Registrované v: WOS*
- ADCA615 NAGAJ, Daniel. Universal two-body-Hamiltonian quantum computing. In Physical Review A, 2012, vol. 85, no. 3, 032330. (2011: 2.878 - IF, Q1 - JCR, 2.316 - SJR, Q1 - SJR, karentované - CCC). (2012 - Current Contents). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.85.032330>
- Citácie:
- [1.1] *CIANI, A. - TERHAL, B. M. - DIVINCENZO, D. P. Hamiltonian quantum computing with superconducting qubits. In QUANTUM SCIENCE AND*

- ADCA616 NAITOH, Yoshitaka - TURANSKÝ, Robert - BRNDIAR, Ján - LI, Yan Jun - ŠTICH, Ivan - ŠTICH, Ivan - SUGAWARA, Yasuhiro. Subatomic-scale force vector mapping above a Ge(001) dimer using bimodal atomic force microscopy. In *Nature Physics*, 2017, vol. 13, no. 7, p. 663-668. (2016: 22.806 - IF, Q1 - JCR, 13.412 - SJR, Q1 - SJR, karentované - CCC). (2017 - Current Contents). ISSN 1745-2473. Dostupné na: <https://doi.org/10.1038/nphys4083>

Citácie:

1. [1.1] SEEHOLZER, T. - GRETZ, O. - GIESSIBL, F. J. - WEYMOUTH, A. J. A Fourier method for estimating potential energy and lateral forces from frequency-modulation lateral force microscopy data. In *NEW JOURNAL OF PHYSICS*. ISSN 1367-2630, 2019, vol. 21, no., pp., Registrované v: WOS
2. [1.1] TAN, Xinfeng - GUO, Dan - LUO, Jianbin. Different directional energy dissipation of heterogeneous polymers in bimodal atomic force microscopy. In *RSC ADVANCES*, 2019, vol. 9, no. 47, pp. 27464-27474., Registrované v: WOS

- ADCA617 NAKAJIMA, T.** - DELBECQ, M.R. - OTSUKA, T. - STAŇO, Peter - AMAHA, S. - YONEDA, J. - NOIRI, A. - KAWASAKI, K. - TAKEDA, K. - ALLISON, G. - LUDWIG, A. - WIECK, A.D. - LOSS, D. - TARUCHA, S.**. Robust single-shot spin measurement with 99.5% fidelity in a quantum dot array. In *Physical Review Letters*, 2017, vol. 119, no. 1, art. no. 017701. (2016: 8.462 - IF, Q1 - JCR, 4.196 - SJR, Q1 - SJR, karentované - CCC). (2017 - Current Contents). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.119.017701>

Citácie:

1. [1.1] BOGAN, Alex - STUDENIKIN, Sergei - KORKUSINSKI, Marek - GAUDREAU, Louis - ZAWADZKI, Piotr - SACHRAJDA, Andy - TRACY, Lisa - RENO, John - HARGETT, Terry. Single hole spin relaxation probed by fast single-shot latched charge sensing. In *COMMUNICATIONS PHYSICS*. ISSN 2399-3650, 2019, vol. 2, 17., Registrované v: WOS
2. [1.1] CURRY, M. J. - RUDOLPH, M. - ENGLAND, T. D. - MOUNCE, A. M. - JOCK, R. M. - BUREAU-OXTON, C. - HARVEY-COLLARD, P. - SHARMA, P. A. - ANDERSON, J. M. - CAMPBELL, D. M. - WENDT, J. R. - WARD, D. R. - CARR, S. M. - LILLY, M. P. - CARROLL, M. S. Single-Shot Readout Performance of Two Heterojunction-Bipolar-Transistor Amplification Circuits at Millikelvin Temperatures. In *SCIENTIFIC REPORTS*. ISSN 2045-2322, 2019, vol. 9, 16976., Registrované v: WOS
3. [1.1] D'ANJOU, B. - BURKARD, Guido. Optimal dispersive readout of a spin qubit with a microwave resonator. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2019, vol. 100, no. 24, 245427., Registrované v: WOS
4. [1.1] JONES, A. M. - PRITCHETT, E. J. - CHEN, E. H. - KEATING, T. E. - ANDREWS, R. W. - BLUMOFF, J. Z. - DE LORENZO, L. A. - ENG, K. - HA, S. D. - KISELEV, A. A. - MEENEHAN, S. M. - MERKEL, S. T. - WRIGHT, J. A. - EDGE, L. F. - ROSS, R. S. - RAKHER, M. T. - BORSELLI, M. G. - HUNTER, A. Spin-Blockade Spectroscopy of Si/Si-Ge Quantum Dots. In *PHYSICAL REVIEW APPLIED*. ISSN 2331-7019, 2019, vol. 12, no. 1, 014026., Registrované v: WOS
5. [1.1] TRACY, L. A. - RENO, J. L. - FALLAHI, S. - MANFRA, M. J. Integrated high electron mobility transistors in GaAs/AlGaAs heterostructures for amplification at sub-Kelvin temperatures. In *APPLIED PHYSICS LETTERS*. ISSN 0003-6951, 2019, vol. 114, no. 5, 053104., Registrované v: WOS
6. [1.1] URDAMPILLETA, Matias - NIEGEMANN, David J. - CHANRION, Emmanuel - JADOT, Baptiste - SPENCE, Cameron - MORTEMOUSQUE, Pierre-Andre - BAUERLE, Christopher - HUTIN, Louis - BERTRAND, Benoît -

BARRAUD, Sylvain - MAURAND, Romain - SANQUER, Marc - JEHL, Xavier - DE FRANCESCHI, Silvano - VINET, Maud - MEUNIER, Tristan. Gate-based high fidelity spin readout in a CMOS device. In NATURE NANOTECHNOLOGY. ISSN 1748-3387, 2019, vol. 14, no. 8, pp. 737-+, Registrované v: WOS
7. [1.1] ZHANG, Xin - LI, Hai-Ou - CAO, Gang - XIAO, Ming - GUO, Guang-Can - GUO, Guo-Ping. Semiconductor quantum computation. In NATIONAL SCIENCE REVIEW. ISSN 2095-5138, 2019, vol. 6, no. 1, pp. 32-54., Registrované v: WOS
8. [1.1] ZHAO, R. - TANTTU, T. - TAN, K. Y. - HENSEN, B. - CHAN, K. W. - HWANG, J. C. C. - LEON, R. C. C. - YANG, C. H. - GILBERT, W. - HUDSON, F. E. - ITOH, K. M. - KISELEV, A. A. - LADD, T. D. - MORELLO, A. - LAUCHT, A. - DZURAK, A. S. Single-spin qubits in isotopically enriched silicon at low magnetic field. In NATURE COMMUNICATIONS. ISSN 2041-1723, 2019, vol. 10, 5500., Registrované v: WOS

ADCA618 NAKAJIMA, Takashi* - NOIRI, Akito - YONEDA, Jun - DELBECQ, Matthieu R. - STANO, Peter - OTSUKA, Tomohiro - TAKEDA, Kenta - AMAHA, Shinichi - ALLISON, Giles - KAWASAKI, Kento - LUDWIG, Arne - WIECK, Andreas D. - LOSS, Daniel - TARUCHA, Seigo*. Quantum non-demolition measurement of an electron spin qubit. In Nature Nanotechnology, 2019, vol. 14, no. 6, p. 555-560. (2018: 33.407 - IF, Q1 - JCR, 17.049 - SJR, Q1 - SJR, karentované - CCC). (2019 - Current Contents). ISSN 1748-3387. Dostupné na: <https://doi.org/10.1038/s41565-019-0426-x>

Citácie:

1. [1.1] D'ANJOU, B. - BURKARD, Guido. Optimal dispersive readout of a spin qubit with a microwave resonator. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 100, no. 24, 245427., Registrované v: WOS

ADCA619 NEILINGER, G. - OELSNER, M. - GRAJCAR, Miroslav - IVANOV, B.I. - NOVIKOV, I.L. - ILICHEV, E.V. A microwave splitter for superconducting quantum circuits. In Technical Physics Letters, 2015, vol. 41, no. 4, pp. 314-316. (2014: 0.574 - IF, Q4 - JCR, 0.399 - SJR, Q3 - SJR, karentované - CCC). (2015 - Current Contents). ISSN 1063-7850. Dostupné na: <https://doi.org/10.1134/S1063785015040136>

Citácie:

1. [1.1] PODLIVAEV, A. - POKROVSKII, S. - ANISHCHENKO, I. - RUDNEV, I. A. Magnetometry Diagnostics of Defects in High-Temperature Superconducting Tapes in a Gradient Magnetic Field. In TECHNICAL PHYSICS. ISSN 1063-7842, 2019, vol. 64, no. 4, pp. 480-489., Registrované v: WOS

ADCA620 NEILINGER, P. - SHEVCHENKO, S.N. - BOGAR, J. - REHAK, M. - OELSNER, G. - KARPOV, D.S. - HUBNER, U. - ASTAFIEV, O. - GRAJCAR, Miroslav - ILICHEV, E. Landau-Zener-Stuckelberg-Majorana lasing in circuit quantum electrodynamics. In Physical Review B, 2016, vol. 94, no. 9, art. no. 094519. (2015: 3.718 - IF, Q1 - JCR, 2.377 - SJR, Q1 - SJR, karentované - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.94.094519>

Citácie:

1. [1.1] KERVINEN, Mikael - RAMIREZ-MUNOZ, Jhon E. - VALIMAA, Alpo - SILLANPAA, Mika A. Landau-Zener-Stuckelberg Interference in a Multimode Electromechanical System in the Quantum Regime. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 123, no. 24, 240401., Registrované v: WOS

ADCA621 NEILINGER, P.** - ŠČEPKA, Tomáš - MRUCZKIEWICZ, Michal - DÉRER, Ján - MANCA, Daniel - DOBROČKA, Edmund - SAMARDAK, A.S. - GRAJCAR,

Miroslav - CAMBEL, Vladimír. Ferromagnetic resonance study of sputtered Pt/Co/Pt multilayers. In *Applied Surface Science*, 2018, vol. 461, p. 202-205. (2017: 4.439 - IF, Q1 - JCR, 1.093 - SJR, Q1 - SJR, karentované - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 0169-4332. Dostupné na: <https://doi.org/10.1016/j.apsusc.2018.06.172>

Citácie:

1. [1.1] STEBLIY, Maksim E. - KOLESNIKOV, Alexander G. - OGNEV, Alexey V. - DAVYDENKO, Aleksandr V. - STEBLIY, Ekaterina V. - WANG, Xiao - HAN, Xiufeng - SAMARDAK, Alexander S. *Advanced Method for the Reliable Estimation of Spin-Orbit-Torque Efficiency in Low-Coercivity Ferromagnetic Multilayers*. In *PHYSICAL REVIEW APPLIED*. ISSN 2331-7019, 2019, vol. 11, no. 5, pp., Registrované v: WOS

2. [1.1] TAVARES, M. A. B. - ANDRADE, L. H. F. - MARTINS, M. D. - GOMES, G. F. M. - FERNANDEZ-OUTON, L. E. - MATINAGA, F. M. *Precession damping in [Co60Fe40/Pt](5) multilayers with varying magnetic homogeneity investigated with femtosecond laser pulses*. In *AIP ADVANCES*, 2019, vol. 9, no. 12, pp., Registrované v: WOS

ADCA622 NEILINGER, P. - REHÁK, M. - GRAJCAR, Miroslav. Two-photon lasing by a superconducting qubit. In *Physical Review B*, 2015, vol. 91, no. 10, 104516. (2014: 3.736 - IF, Q1 - JCR, 0.123 - SJR, Q4 - SJR, karentované - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.91.104516>

Citácie:

1. [1.1] VILLAS-BOAS, Celso J. - ROSSATTO, Daniel Z. *Multiphoton Jaynes-Cummings Model: Arbitrary Rotations in Fock Space and Quantum Filters*. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2019, vol. 122, no. 12, 123604., Registrované v: WOS

ADCA623 NESTERENKO, V.O.** - KVASIL, J. - REPKO, Anton - KLEINIG, W. - REINHARD, P.-G. Toroidal resonance: Relation to pygmy mode, vortical properties, and anomalous deformation splitting. In *Physics of Atomic Nuclei*, 2016, vol. 79, no. 6, p. 842-850. (2015: 0.457 - IF, Q4 - JCR, 0.337 - SJR, Q3 - SJR, karentované - CCC). (2016 - Current Contents). ISSN 1063-7788. Dostupné na: <https://doi.org/10.1134/S106377881606020X>

Citácie:

1. [1.1] BRACCO, A. - LANZA, E. G. - TAMII, A. *Isoscalar and isovector dipole excitations: Nuclear properties from low-lying states and from the isovector giant dipole resonance*. In *PROGRESS IN PARTICLE AND NUCLEAR PHYSICS*. ISSN 0146-6410, 2019, vol. 106, pp. 360-433., Registrované v: WOS

2. [1.1] GAMBACURTA, D. - GRASSO, M. - SORLIN, O. *Soft breathing modes in neutron-rich nuclei with the subtracted second random-phase approximation*. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 100, no. 1, 014317., Registrované v: WOS

3. [1.1] KANADA-EN';YO, Yoshiko - SHIKATA, Yuki. *Isoscalar dipole excitations in O-16*. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 100, no. 1, 014301., Registrované v: WOS

4. [1.1] LANZA, E. G. - PELLEGGRI, L. - ANDRES, M. V. - CATARA, F. - VITTURI, A. *Low-lying dipole and quadrupole states Are they new excitation modes?* In *EUROPEAN PHYSICAL JOURNAL A*. ISSN 1434-6001, 2019, vol. 55, no. 12, 235., Registrované v: WOS

5. [1.1] SHIKATA, Yuki - KANADA-EN';YO, Yoshiko - MORITA, Hiroyuki. *Low-energy dipole excitation modes in Be-10*. In *PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS*. ISSN 2050-3911, 2019, no. 6, 063D01.,

Registrované v: WOS

- ADCA624 NESTERENKO, V. O.** - REPKO, Anton - KVASIL, J. - REINHARD, P.-G. Individual Low-Energy Toroidal Dipole State in Mg-24. In Physical Review Letters, 2018, vol. 120, no. 18, 182501. (2017: 8.839 - IF, Q1 - JCR, 3.622 - SJR, Q1 - SJR, karentované - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.120.182501>

Citácie:

1. [1.1] KANADA-EN';YO, Yoshiko - SHIKATA, Yuki. Isoscalar dipole excitations in O-16. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 1, 014301., Registrované v: WOS
2. [1.1] PIETRALLA, Norbert - ISAAK, Johann - WERNER, Volker. Photonuclear reactions: Achievements and perspectives. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2019, vol. 55, no. 12, 237., Registrované v: WOS
3. [1.1] SHIKATA, Yuki - KANADA-EN';YO, Yoshiko - MORITA, Hiroyuki. Low-energy dipole excitation modes in Be-10. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS. ISSN 2050-3911, 2019, no. 6, 063D01., Registrované v: WOS

- ADCA625 NICHELE, F. - HENNEL, S. - PIETSCH, P. - WEGSCHEIDER, W. - STAŇO, Peter - JACQUOD, P. Generation and detection of spin currents in semiconductor nanostructures with strong spin-orbit interaction. In Physical Review Letters, 2015, vol. 114, no. 20, 206601. (2014: 7.512 - IF, Q1 - JCR, 5.232 - SJR, Q1 - SJR, karentované - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.114.206601>

Citácie:

1. [1.1] BERA, Ganesh - SURAMPALLI, Akash - MISHRA, Aradhya - MAL, P. - REDDY, V. R. - BANERJEE, A. - SAGDEO, Archana - DAS, Pradip - TURPU, G. R. Magnetolattice coupling, magnetic frustration, and magnetoelectric effect in the Cr-doped FeVO₄ multiferroic material and their correlation with structural phase transitions. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 100, no. 1, 014436., Registrované v: WOS
2. [1.1] COMAS, Aleix Bou - CHUDNOVSKY, Eugene M. - TEJADA, Javier. Manipulating quantum spins by spin-polarized current: an approach based upon PT-symmetric quantum mechanics. In JOURNAL OF PHYSICS-CONDENSED MATTER. ISSN 0953-8984, 2019, vol. 31, no. 19, 195801., Registrované v: WOS

- ADCA626 NISHINO, T. - HIEIDA, Y. - OKUNISHI, K. - MAESHINA, N. - AKUTSU, Y. - GENDIAR, Andrej. Two-dimensional tensor product variational formulation. In Progress Theoretical Physics, 2001, vol. 105, no. 3, p. 409-417. Dostupné na: <https://doi.org/10.1143/PTP.105.409>

Citácie:

1. [1.1] CZARNIK, Piotr - CORBOZ, Philippe. Finite correlation length scaling with infinite projected entangled pair states at finite temperature. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 99, no. 24, 245107., Registrované v: WOS
2. [1.1] HALPERN, Nicole Yunger - CROSSON, Elizabeth. Quantum information in the Posner model of quantum cognition. In ANNALS OF PHYSICS. ISSN 0003-4916, 2019, vol. 407, pp. 92-147., Registrované v: WOS
3. [1.1] POILBLANC, Didier - MAMBRINI, Matthieu - CAPPONI, Sylvain. Critical colored-RVB states in the frustrated quantum Heisenberg model on the square lattice. In SCIPOST PHYSICS. ISSN 2542-4653, 2019, vol. 7, no. 4, 041., Registrované v: WOS

- ADCA627 NOSKO, Martin - NAGY, Štefan - WEBER, L. - MAŤKO, Igor - MIHALKOVIČ, Marek - IŽDINSKÝ, Karol - OROVČÍK, Ľubomír. Effect of Ca addition on

interface formation in Al(Ca)Al₂O₃ composites prepared by gas pressure assisted infiltration. In *Materials and Design*, 2016, vol. 108, p. 618-623. (2015: 3.997 - IF, Q1 - JCR, 1.844 - SJR, Q1 - SJR, karentované - CCC). (2016 - Current Contents). ISSN 0261-3069. Dostupné na: <https://doi.org/10.1016/j.matdes.2016.07.034>

Citácie:

1. [1.1] CHEN, Yongtao - LIU, Xinghai - ZHANG, Tingbo - XIE, Haonan - ZHAO, Naiqin - SHI, Chunsheng - HE, Chunnian - LI, Jiajun - LI, Enzuo. *Interface intrinsic strengthening mechanism on the tensile properties of Al₂O₃/Al composites. In COMPUTATIONAL MATERIALS SCIENCE. ISSN 0927-0256, 2019, vol. 169., Registrované v: WOS*

ADCA628 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. (2010: 2.120 - IF, Q1 - JCR, 1.056 - SJR, Q1 - SJR, karentované - CCC). (2011 - Current Contents). ISSN 0167-577X. Dostupné na: <https://doi.org/10.1016/j.matlet.2011.02.007>

Citácie:

1. [1.1] HAN, Chang-Suk - JIN, Sung-Yooun - KWON, Hyuk-Ku. *Combustion of Al-Ni Precursor Al₃Ni Foam Manufacture of Composite Structure with Hollow Pipe and Filling of Foam and Investigation of Pore Condition. In KOREAN JOURNAL OF MATERIALS RESEARCH. ISSN 1225-0562, 2019, vol. 29, no. 10, pp. 617-622., Registrované v: WOS*

2. [1.1] ROSSI, Stefano - BIZZOTTO, Mirco - DEFLORIAN, Flavio - FEDEL, Michele. *Study of anodizing process on aluminium foam to improve the corrosion behavior. In SURFACE AND INTERFACE ANALYSIS. ISSN 0142-2421, 2019, vol. 51, no. 12, pp. 1194-1206., Registrované v: WOS*

3. [1.1] TORRES TORRES, J. - FLORES VALDES, A. - TREJO RIVERA, N. M. - ALMANZA ROBLES, J. M. *Analysis of the formation of intermetallic compounds in foams Al-Cu-Ni obtained from recycled aluminum cans. In MATERIALS TODAY-PROCEEDINGS. ISSN 2214-7853, 2019, vol. 10, pp. 355-359., Registrované v: WOS*

ADCA629 OCELIK, V. - BENGUS, V.Z. - KOROLKOVA, E.B. - CSACH, K. - MISKUF, J. - DUHAJ, Pavol. Low-temperature and strain rate dependence of fracture-stress and fracture-toughness on thin Fe₄₀Ni₄₀B₂₀ amorphous ribbon. In *Journal of Materials Science*, 1991, vol. 26, no. 24, p. 6699-6705. (1991 - Current Contents). ISSN 0022-2461. Dostupné na: <https://doi.org/10.1007/BF02402663>

Citácie:

1. [1.1] LIAO, Wei-Bing - JIANG, Chenchen - XU, Shang - GAO, Libo - ZHANG, Hongti - LI, Peifeng - LIU, Zhiyuan - LU, Yang. *Reliability of tensile fracture strength of Co-based metallic glass microwires by Weibull statistics. In MATERIALS RESEARCH EXPRESS. ISSN 2053-1591, 2019, vol. 6, no. 10, 106565., Registrované v: WOS*

2. [1.1] SHI, Zhiguang - LI, Ran - LI, Xuan - WANG, Chenyang - ZHANG, Tao. *Controllable brittleness in soft-magnetic Fe-P-C-B metallic glasses through composition design. In MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING. ISSN 0921-5093, 2019, vol. 766, 138385., Registrované v: WOS*

ADCA630 OCELIK, Václav - BENGUS, V.Z. - KOROLKOVA, E.B. - CSACH, Kornel - MIŠKUF, Jozef - DUHAJ, Pavol. Low temperature and strain rate dependence of fracture stress and fracture toughness on thin Fe₄₀Ni₄₀B₂₀ amorphous ribbon. In *Journal of Materials Science*, 1991, vol. 26, no. 24, p. 6699-6705. (1991 - Current Contents). ISSN 0022-2461. Dostupné na: <https://doi.org/10.1007/BF02402663>

Citácie:

1. [1.1] LIAO, Wei-Bing - JIANG, Chenchen - XU, Shang - GAO, Libo - ZHANG, Hongti - LI, Peifeng - LIU, Zhiyuan - LU, Yang. Reliability of tensile fracture strength of Co-based metallic glass microwires by Weibull statistics. In *MATERIALS RESEARCH EXPRESS*. ISSN 2053-1591, 2019, vol. 6, no. 10., Registrované v: WOS
 2. [1.1] SHI, Zhiguang - LI, Ran - LI, Xuan - WANG, Chenyang - ZHANG, Tao. Controllable brittleness in soft-magnetic Fe-P-C-B metallic glasses through composition design. In *MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING*. ISSN 0921-5093, 2019, vol. 766., Registrované v: WOS
- ADCA631 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.
- Citácie:
1. [1.1] CHEMEY, Alexander T. - ALBRECHT-SCHMITT, Thomas E. Evolution of the periodic table through the synthesis of new elements. In *RADIOCHIMICA ACTA*. ISSN 0033-8230, 2019, vol. 107, no. 9-11, pp. 771-801., Registrované v: WOS
 2. [1.1] GAUL, Konstantin - MARQUARDT, Sebastian - ISAEV, Timur - BERGER, Robert. Systematic study of relativistic and chemical enhancements of *P*, *T*-odd effects in polar diatomic radicals. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2019, vol. 99, no. 3, 032509., Registrované v: WOS
- ADCA632 OLEJNÍK, Štefan. Do non-gaussian effects decrease tunneling probabilities ? Three-loop instanton density for the double-well potential. In *Physics Letters B*, 1989, vol. 221, no- 3-4, p. 372-376. ISSN 0370-2693. Dostupné na: [https://doi.org/10.1016/0370-2693\(89\)91728-0](https://doi.org/10.1016/0370-2693(89)91728-0)
- Citácie:
1. [1.1] BEZUGLOV, M. A. - ONISHCHENKO, A. I. Two-loop corrections to false vacuum decay in scalar field theory. In *PHYSICS LETTERS B*. ISSN 0370-2693, 2019, vol. 788, pp. 122-130., Registrované v: WOS
- ADCA633 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.
- Citácie:
1. [1.1] HASHIMOTO, T. - HAYASHI, A. - HORIBE, M. Minimum-uncertainty states and completeness of non-negative quasiprobability of finite-dimensional quantum systems. In *PHYSICAL REVIEW A*. ISSN 1050-2947, 2019, vol. 99, no. 2, 022126., Registrované v: WOS
 2. [1.1] SARACENO, Marcos - OZORIO DE ALMEIDA, Alfredo M. Translations and reflections on the torus: identities for discrete Wigner functions and transforms. In *JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL*. ISSN 1751-8113, 2019, vol. 52, no. 9, 095301., Registrované v: WOS
 3. [1.1] YU, Bing - JING, Naihuan - LI-JOST, Xianqing. Strong unitary uncertainty relations. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2019, vol. 100, no. 2, 022116., Registrované v: WOS
- ADCA634 OPATRNY, T. - BUŽEK, Vladimír - BAJER, J. - DROBNÝ, Gabriel. Propensities in discrete phase spaces-q-function of a state in a finite-dimensional hilbert-space. In

Physical Review A, 1995, vol. 52, no. 3, p. 2419-2428. ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.52.2419>

Citácie:

1. [1.1] BOSE, Soumyakanti. *Wehrl-entropy-based quantification of nonclassicality for single-mode quantum optical states*. In *JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL*. ISSN 1751-8113, 2019, vol. 52, no. 2, 025303., Registrované v: WOS
2. [1.1] HASHIMOTO, T. - HAYASHI, A. - HORIBE, M. *Minimum-uncertainty states and completeness of non-negative quasiprobability of finite-dimensional quantum systems*. In *PHYSICAL REVIEW A*. ISSN 1050-2947, 2019, vol. 99, no. 2, 022126., Registrované v: WOS
3. [1.1] YU, Bing - JING, Naihuan - LI-JOST, Xianqing. *Strong unitary uncertainty relations*. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2019, vol. 100, no. 2, 022116., Registrované v: WOS

ADCA635 OROVČÍK, Ľubomír - NOSKO, Martin - ŠVEC, Peter - NAGY, Štefan - ČAVOJSKÝ, Miroslav - SIMANČÍK, František - JERZ, Jaroslav. *Effect of the TiH₂ pre-treatment on the energy absorption ability of 6061 aluminium alloy foam*. In *Materials Letters*, 2015, vol. 148, p. 82-85. (2014: 2.489 - IF, Q1 - JCR, 0.877 - SJR, Q1 - SJR, karentované - CCC). (2015 - Current Contents). ISSN 0167-577X. Dostupné na: <https://doi.org/10.1016/j.matlet.2015.02.062>

Citácie:

1. [1.1] RAMIREZ, Ana Maria Medina - VINTILA, Ramona Roxana - DREW, Robin A. L. *Morphology of Aluminum Alloy Foams Produced with Dolomite via Partial Sintering of Precursors*. In *MATERIALS*. ISSN 1996-1944, 2019, vol. 12, no. 10, 1691., Registrované v: WOS

ADCA636 OTSUKA, T.** - NAKAJIMA, T. - DELBECQ, M.R. - AMAHA, S. - YONEDA, J. - TAKEDA, K. - ALLISON, G. - STAÑO, Peter - NOIRI, A. - ITO, T. - LOSS, D. - LUDWIG, A. - WIECK, A.D. - TARUCHA, S.**. *Higher-order spin and charge dynamics in a quantum dot-lead hybrid system*. In *Scientific Reports*, 2017, vol. 7, no. 1, art. no. 12201. (2016: 4.259 - IF, Q1 - JCR, 1.692 - SJR, Q1 - SJR, karentované - CCC). (2017 - Current Contents). ISSN 2045-2322. Dostupné na: <https://doi.org/10.1038/s41598-017-12217-6>

Citácie:

1. [1.1] TENBERG, Stefanie B. - ASAAD, Serwan - MADZIK, Mateusz T. - JOHNSON, Mark A. - JOECKER, Benjamin - LAUCHT, Arne - HUDSON, Fay E. - ITOH, Kohei M. - JAKOB, A. Malwin - JOHNSON, Brett C. - JAMIESON, David N. - MCCALLUM, Jeffrey C. - DZURAK, Andrew S. - JOYNT, Robert - MORELLO, Andrea. *Electron spin relaxation of single phosphorus donors in metal-oxide-semiconductor nanoscale devices*. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2019, vol. 99, no. 20, 205306., Registrované v: WOS

ADCA637 OTUKA, N. - DUPONT, E. - SEMKOVA, V. - PRITYCHENKO, B. - BLOKHIN, A.I. - AIKAWA, M. - BABYKINA, S. - BOSSANT, M. - CHEN, G. - DUNAEVA, S. - FORREST, R.A. - FUKAHORI, T. - FURUTACHI, N. - GANESAN, S. - GE, Z. - GRITZAY, O.O. - HERMAN, M. - HLAVÁČ, Stanislav - KATO, K. - LALREMURATA, B. - LEE, Y.O. - MAKINAGA, A. - MATSUMOTO, K. - MIKHAYLYUKOVA, M. - PIKULINA, G. - PRONYAEV, V.G. - SAXENA, A. - SCHWERER, O. - SIMAKOV, S.P. - SOPPERA, N. - SUZUKI, R. - TAKÁCS, S. - TAO, X. - TAOVA, S. - TÁRKÁNYI, F. - VARLAMOV, V.V. - WANG, J. - YANG, S.C. - ZERKIN, V. - ZHUANG, Y. *Towards a more complete and accurate experimental nuclear reaction data library (EXFOR): International collaboration between nuclear reaction data centres (NRDC)*. In *Nuclear Data Sheets*, 2014, vol. 120, p. 272-276. (2013: 3.353 - IF, Q1 - JCR, 1.761 - SJR, karentované - CCC).

(2014 - Current Contents). ISSN 0090-3752. Dostupné na:

<https://doi.org/10.1016/j.nds.2014.07.065>

Citácie:

1. [1.1] AQEL, T. - JAGHOUB, M. I. *A nonlocal optical model for neutron scattering from light 1 p-shell nuclei*. In *NUCLEAR PHYSICS A*. ISSN 0375-9474, 2019, vol. 989, pp. 145-167., Registrované v: WOS
2. [1.1] BAECKER, Claus Maximilian - BAEUMER, Christian - GERHARDT, Marcel - KROENINGER, Kevin - NITSCH, Christian - SIREGAR, Hilda Milani - TIMMERMAN, Beate - VERBEEK, Nico - WEINGARTEN, Jens - WULFF, Joerg - YAZGAN, Azad. *Measurement of nuclear activation cross sections of protons on natural carbon for proton beam energies between 100 and 220 MeV*. In *NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS*. ISSN 0168-583X, 2019, vol. 454, pp. 50-55., Registrované v: WOS
3. [1.1] BALL, Justin. *Maximizing specific energy by breeding deuterium*. In *NUCLEAR FUSION*. ISSN 0029-5515, 2019, vol. 59, no. 10, 106043., Registrované v: WOS
4. [1.1] BRUNO, C. G. - ALIOTTA, M. - DESCOUVEMONT, R. - BEST, A. - DAVINSON, T. - BEMMERER, D. - BOELTZIG, A. - BROGGINI, C. - CACIOLLI, A. - CAVANNA, F. - CHILLERY, T. - CIANI, G. F. - CORVISIERO, R. - DEPALO, R. - DI LEVA, A. - ELEKES, Z. - FERRARO, E. - FORMICOLA, A. - FULOP, Zs - GERVINO, G. - GUGLIELMETTI, A. - GUSTAVINON, C. - GYURKY, Gy - IMBRIANI, G. - JUNKER, M. - LUGARO, M. - MARIGO, R. - MENEGAZZO, R. - MOSSA, V - PANTALEO, F. R. - PIATTI, D. - PRATI, R. - STOECKEL, K. - STRANIERO, O. - STRIEDER, F. - SZUECS, T. - TAKACS, M. P. - TREZZI, D. *Improved astrophysical rate for the O-18(p,α)N-15 reaction by underground measurements*. In *PHYSICS LETTERS B*. ISSN 0370-2693, 2019, vol. 790, pp. 237-242., Registrované v: WOS
5. [1.1] CHALLAN, M. B. *Phenomenological approach affecting of (n, p) reaction cross sections via 14.5-MeV neutrons*. In *INDIAN JOURNAL OF PHYSICS*. ISSN 0973-1458, 2019, vol. 93, no. 3, pp. 373-383., Registrované v: WOS
6. [1.1] DAVID, J.C. - LEYA, I. *Spallation, cosmic rays, meteorites, and planetology*. In *PROGRESS IN PARTICLE AND NUCLEAR PHYSICS*. ISSN 0146-6410, 2019, vol. 109, UNSP 103711., Registrované v: WOS
7. [1.1] DHAKAL, Sushil - BRUNE, Carl R. - MASSEY, Thomas N. - GRIMES, Steven M. - VOINOV, Alexander V. - AKHTAR, Shamim - RAMIREZ, Anthony P. D. - RICHARD, Andrea L. *Investigation of Neutron Cross Section for Iron in the ENDF Library with Pulsed Sphere Measurements*. In *NUCLEAR SCIENCE AND ENGINEERING*. ISSN 0029-5639, 2019, vol. 193, no. 9, pp. 1033-1043., Registrované v: WOS
8. [1.1] HIGGINSON, Drew Pitney - LINK, Anthony - SCHMIDT, Andrea. *A pairwise nuclear fusion algorithm for weighted particle-in-cell plasma simulations*. In *JOURNAL OF COMPUTATIONAL PHYSICS*. ISSN 0021-9991, 2019, vol. 388, pp. 439-453., Registrované v: WOS
9. [1.1] HUPIN, Guillaume - QUAGLIONI, Sofia - NAVRATIL, Petr. *Ab initio predictions for polarized deuterium-tritium thermonuclear fusion*. In *NATURE COMMUNICATIONS*. ISSN 2041-1723, 2019, vol. 10, 351., Registrované v: WOS
10. [1.1] HURST, A. M. - SWEET, A. - GOLDBLUM, B. L. - FIRESTONE, R. B. - BASUNIA, M. S. - BERNSTEIN, L. A. - REVAY, Zs - SZENTMIKLOSI, L. - BELGYA, T. - ESCHER, J. E. - HARSANYI, I - KRTICKA, M. - SLEAFORD, B. W. - VUJIC, J. *Radiative-capture cross sections for the La-139(n, γ) reaction using thermal neutrons and structural properties of La-140*. In *PHYSICAL*

- REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 2, 024310., Registrované v: WOS
11. [1.1] IWAMOTO, Hiroki - MEIGO, Shin-ichiro. Unified description of the fission probability for highly excited nuclei. In JOURNAL OF NUCLEAR SCIENCE AND TECHNOLOGY. ISSN 0022-3131, 2019, vol. 56, no. 2, pp. 160-171., Registrované v: WOS
12. [1.1] KASZTELAN, M. - JEDRZEJCZAK, K. - SZABELSKI, J. Comparison of MC Geant4 simulation with the measurements of gamma photons produced by neutrons. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2019, vol. 34, no. 6, 1950046., Registrované v: WOS
13. [1.1] KHANDAKER, Mayeen Uddin - NAGATSU, Kotaro - OBATA, Honoka - MINEGISHI, Katsuyuki - ZHANG, Ming-Rong. Excitation functions of helion-induced nuclear reactions on natural titanium up to 55 MeV. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS. ISSN 0168-583X, 2019, vol. 445, pp. 69-76., Registrované v: WOS
14. [1.1] KOEGLER, T. - JUNGHANS, A. R. - BEYER, R. - DIETZ, M. - DUELLMANN, Ch. E. - EBERHARDT, K. - LORENZ, Ch. - MUELLER, S. E. - NOLTE, R. - REINHARDT, T. P. - SCHMIDT, K. - RUNKE, J. - SCHWENGNER, R. - TAKACS, M. - VASCON, A. - WAGNER, A. Fast-neutron-induced fission cross section of (PU)-P-242 measured at the neutron time-of-flight facility nELBE. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 2, 024604., Registrované v: WOS
15. [1.1] KONING, A. J. - ROCHMAN, D. - SUBLET, J-Ch - DZYSIUK, N. - FLEMING, M. - VAN DER MARCK, S. TENDL: Complete Nuclear Data Library for Innovative Nuclear Science and Technology. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2019, vol. 155, pp. 1-55., Registrované v: WOS
16. [1.1] LARSEN, A. C. - SPYROU, A. - LIDDICK, S. N. - GUTTORMSEN, M. Novel techniques for constraining neutron-capture rates relevant for r-process heavy-element nucleosynthesis. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2019, vol. 107, pp. 69-108., Registrované v: WOS
17. [1.1] LEWIS, A. M. - BERNSTEIN, L. A. - KAWANO, T. - NEUDECKER, D. Ratio method for estimating uncertainty in calculated gamma cascades. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2019, vol. 55, no. 8, 141., Registrované v: WOS
18. [1.1] MASADEH, S. B. - JAGHOUB, M. Semimicroscopic optical model with coupled-channel analysis for neutron scattering off nuclei with mass numbers $12 \leq A \leq 208$. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 1, 014603., Registrované v: WOS
19. [1.1] OPREA, Cristiana - MIHUL, Alexandru - OPREA, Alexandru. Advanced Modelling of U-238(n,f) in a Fast Reactor Application. In 5TH INTERNATIONAL WORKSHOP ON NUCLEAR DATA EVALUATION FOR REACTOR APPLICATIONS (WONDER-2018). ISSN 2100-014X, 2019, vol. 211, 04008., Registrované v: WOS
20. [1.1] PIERSON, B. D. - PRINKE, A. M. - GREENWOOD, L. R. - STAVE, S. C. - WITTMAN, R. S. - BURCH, J. G. - BURKE, T. - PADGETT, S. W. - RESSLER, J. J. - SLAVIK, G. - TAMASHIRO, A. - TONCHEV, A. - YOUNES, W. Improved Cumulative Fission Yield Measurements with Fission Spectrum Neutrons on U-235. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2019, vol. 155, pp. 86-97., Registrované v: WOS
21. [1.1] PIROVANO, E. - BEYER, R. - DIETZ, M. - JUNGHANS, A. R. - MULLER, S. E. - NOLTE, R. - NYMAN, M. - PLOMPEN, A. J. M. - ROEDER, M. - SZUECS, T. - TAKACS, M. P. Cross section and neutron angular distribution

- measurements of neutron scattering on natural iron. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 99, no. 2, 024601., Registrované v: WOS
22. [1.1] QAIM, Syed M. - SCHOLTEN, Bernhard - SPAHN, Ingo - NEUMAIER, Bernd. Positron-emitting radionuclides for applications, with special emphasis on their production methodologies for medical use. In *RADIOCHIMICA ACTA*. ISSN 0033-8230, 2019, vol. 107, no. 9-11, pp. 1011-1026., Registrované v: WOS
23. [1.1] SALAMON, L. - GESLOT, B. - HEYSE, J. - KOPECKY, S. - LECONTE, P. - NOGUERE, G. - PARADELA, C. - SCHILLEBEECKX, P. - SNOJ, L. Ag-107 and Ag-109 resonance parameters for neutron induced reactions below 1 keV. In *NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS*. ISSN 0168-583X, 2019, vol. 446, pp. 19-28., Registrované v: WOS
24. [1.1] SATOH, Daiki - IWAMOTO, Yosuke - OGAWA, Tatsuhiko. Measurement of neutron-production double-differential cross sections of C-nat, Al-27, Fe-nat and Pb-nat by 20, 34, 48, 63, and 78 MeV protons in the most-forward direction. In *NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT*. ISSN 0168-9002, 2019, vol. 920, pp. 22-36., Registrované v: WOS
25. [1.1] SCHNABEL, Georg - SJOSTRAND, Henrik. A first sketch: Construction of model defect priors inspired by dynamic time warping. In *5TH INTERNATIONAL WORKSHOP ON NUCLEAR DATA EVALUATION FOR REACTOR APPLICATIONS (WONDER-2018)*. ISSN 2100-014X, 2019, vol. 211, 07005., Registrované v: WOS
26. [1.1] THOMPSON, Ian J. - DEBOER, R. J. - DIMITRIOU, P. - KUNIEDA, S. - PIGNI, M. T. - ARBANAS, G. - LEEB, H. - SRDINKO, Th. - HALE, G. - TAMAGNO, P. - ARCHIER, P. Verification of R-matrix calculations for charged-particle reactions in the resolved resonance region for the Be-7 system. In *EUROPEAN PHYSICAL JOURNAL A*. ISSN 1434-6001, 2019, vol. 55, no. 6, 92., Registrované v: WOS
27. [1.1] TIAN, Yuan - TAO, Xi - WANG, Jimin - KE, Xianbo - XU, Ruirui - GE, Zhigang. Giant dipole resonance parameters from photoabsorption cross-sections. In *CHINESE PHYSICS C*. ISSN 1674-1137, 2019, vol. 43, no. 11, 114102., Registrované v: WOS
28. [1.1] YOON, Do-Kun - NAGANAWA, Naotaka - KIMURA, Mitsuhiro - CHOI, Min-Geon - KIM, Moo-Sub - KIM, Yong-Jin - LAW, Martin Wai-Ming - DJENG, Shih-Kien - SHIN, Han-Back - CHOE, Bo-Young - SUH, Tae Suk. Application of proton boron fusion to proton therapy: Experimental verification to detect the alpha particles. In *APPLIED PHYSICS LETTERS*. ISSN 0003-6951, 2019, vol. 115, no. 22, 223701., Registrované v: WOS
29. [1.1] ZACCHIA, N. A. - UITTENBOSCH, T. - BUCKLEY, K. - RUTH, T. J. - MARTINEZ, D. M. - HOEHR, C. Modelling chemical kinetics in C-11 gas target systems towards a generalized production equation. In *NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS*. ISSN 0168-583X, 2019, vol. 456, pp. 133-141., Registrované v: WOS

ADCA638

PALOTÁS, Krisztián - BAKÓ, I. - BUGYI, L. Structural, electronic and adsorption properties of Rh(111)Mo(110) bimetallic catalyst: A DFT study. In *Applied Surface Science*, 2016, vol. 389, p. 1094-1103. (2015: 3.150 - IF, Q1 - JCR, 0.890 - SJR, Q1 - SJR, karentované - CCC). (2016 - Current Contents). ISSN 0169-4332. Dostupné na: <https://doi.org/10.1016/j.apsusc.2016.08.020>

Citácie:

1. [1.1] BARZAGA, Ransel - MARTINEZ, Javier A. - FARIAS, Mario H. - HERNANDEZ, Mayra P. From the Terrace Contraction to the Hexameric Sulfur Phase in the Au(100) Surface: A Combined Density Functional Theory and Scanning Tunneling Microscopy Study. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2019, vol. 123, no. 19, pp. 12183-12194., Registrované v: WOS

2. [1.1] HAN, Bingying - LIN, Hao - LING, Lixia - LIU, Ping - FAN, Maohong - WANG, Baojun - ZHANG, Riguang. A DFT study on dimethyl oxalate synthesis over Pd-ML/Ni(111) and Pd-ML/Co(111) surfaces. In APPLIED SURFACE SCIENCE. ISSN 0169-4332, 2019, vol. 465, pp. 498-508., Registrované v: WOS

3. [1.1] XIA SHENG-JIE - FANG LEI - QIAN MENG-DAN - MENG YUE - NI ZHE-MING. Adsorption and Decarbonylation Reaction of Furfural on the Pd(111) and M/Pd(111) (M = Ni, Cu and Ru) Surfaces. In CHINESE JOURNAL OF STRUCTURAL CHEMISTRY. ISSN 0254-5861, 2019, vol. 38, no. 2, pp. 211-223., Registrované v: WOS

ADCA639 PALOTÁS, Krisztián**. High-resolution combined tunneling electron charge and spin transport theory of Neel and Bloch skyrmions. In Physical Review B, 2018, vol. 98, no. 9, 094409. (2017: 3.813 - IF, Q2 - JCR, 1.176 - SJR, Q1 - SJR, karentované - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.98.094409>

Citácie:

1. [1.1] STAVROU, Vasileios D. - KOUROUNIS, Drosos - DIMAKOPOULOS, Konstantinos - PANAGIOTOPOULOS, Ioannis - GERGIDIS, Leonidas N. Magnetic skyrmions in FePt nanoparticles having Reuleaux 3D geometry: a micromagnetic simulation study. In NANOSCALE. ISSN 2040-3364, 2019, vol. 11, no. 42, pp. 20102-20114., Registrované v: WOS

ADCA640 PARR, E.** - PAGE, R.D. - JOSS, D.T. - ALI, F.A. - AURANEN, K. - CAPPONI, L. - GRAHN, T. - GREENLEES, P.T. - HENDERSON, J. - HERZÁŇ, Andrej - JAKOBSSON, U. - JULIN, R. - JUUTINEN, S. - KONKI, J. - LABICHE, M. - LEINO, M. - MASON, P.J.R. - MCPPEAKE, C. - O'DONNELL, D. - PAKARINEN, J. - PAPADAKIS, P. - PARTANEN, J. - PEURA, P. - RAHKILA, P. - REVILL, J.P. - RUOTSALAINEN, P. - SANDZELIUS, M. - SARÉN, J. - SCHOLEY, C. - SIMPSON, J. - SMITH, J.F. - SMOLEN, M. - SORRI, J. - STOLZE, S. - THORNTHWAITE, A. - UUSITALO, J. Fine structure in the alpha decay of high-spin isomers in Lu-155 and Hf-156. In Physical Review C, 2018, vol. 98, no. 2, art. no. 024321. (2017: 3.304 - IF, Q2 - JCR, 1.443 - SJR, Q1 - SJR, karentované - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.98.024321>

Citácie:

1. [1.1] CLARK, R. M. - CRAWFORD, H. L. - MACCHIAVELLI, A. O. - RUDOLPH, D. - SAMARK-ROTH, A. - CAMPBELL, C. M. - CROMAZ, M. - FALLON, P. - MORSE, C. - SANTAMARIA, C. alpha decay of high-spin isomers in N=84 isotones. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 2, 024325., Registrované v: WOS

2. [1.1] NICA, N. Nuclear Data Sheets for A=155. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2019, vol. 160, pp. 1-404., Registrované v: WOS

3. [1.1] QI, Chong - LIOTTA, Roberto - WYSS, Ramon. Recent developments in radioactive charged-particle emissions and related phenomena. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2019, vol. 105, pp. 214-251., Registrované v: WOS

ADCA641 PAWLOWSKI, P. - BRZYCHCZYK, J. - LEIFELS, Y. - TRAUTMANN, W. - ADRICH, P. - HLAVÁČ, Stanislav - VESELSKÝ, Martin. Neutron recognition in

the LAND detector for large neutron multiplicity. In Nuclear Instruments and Methods in Physics Research A. Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, vol. 694, p. 47-54. (2011: 1.207 - IF, Q2 - JCR, 0.956 - SJR, Q1 - SJR, karentované - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0168-9002. Dostupné na: <https://doi.org/10.1016/j.nima.2012.07.019>

Citácie:

1. [1.1] GORBINET, Thomas - YORDANOV, Orlin - DUCRET, Jean-Eric - AUMANN, Thomas - AYYAD, Yassid - BIANCHIN, Sebastien - BORODINA, Olga - BOUDARD, Alain - CAESAR, Christoph - CASAREJOS, Enrique - CZECH, Bronislaw - HLAVAC, Stanislav - KLIMO, Josef - KURZ, Nikolaus - LANGER, Christoph - LE BLEIS, Tudy - LERAY, Sylvie - LUKASIK, Jerzy - MANCUSI, Davide - PAWLOWSKI, Piotr - PIETRI, Stephane - RAPPOLD, Christopher - SALSAC, Marie-Delphine - SIMON, Haik - VESELSKY, Martin. Study of the reaction mechanisms of $Xe-136 + p$ and $Xe-136 + C-12$ at 1 A GeV with inverse kinematics and large-acceptance detectors. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2019, vol. 55, no. 1, 11., Registrované v: WOS

ADCA642 PÍSEČNÝ, Pavol - HUŠEKOVÁ, Kristína - FRÖHLICH, Karol - HARMATHA, L. - ŠOLTÝS, Ján - MACHAJDÍK, Daniel - ESPINOS, J.P. - JERGER, 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. Dostupné na: <https://doi.org/10.1016/j.mssp.2004.09.020>

Citácie:

1. [1.1] ADOLE, Vishnu Ashok - PAWAR, Thansing Bhavsing - KOLI, Prashant Bhimrao - JAGDALE, Bapu Sonu. Exploration of catalytic performance of nano- La_2O_3 as an efficient catalyst for dihydropyrimidinone/thione synthesis and gas sensing. In JOURNAL OF NANOSTRUCTURE IN CHEMISTRY. ISSN 2008-9244, 2019, vol. 9, no. 1, pp. 61-76., Registrované v: WOS

2. [1.1] HARE, Bryan J. - MAITI, Debtanu - MEIER, Anne J. - BHETHANABOTLA, Venkat R. - KUHN, John N. CO_2 Conversion Performance of Perovskite Oxides Designed with Abundant Metals. In INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH. ISSN 0888-5885, 2019, vol. 58, no. 28, pp. 12551-12560., Registrované v: WOS

ADCA643 PIVOLUSKA, Matej - HUBER, Marcus - MALIK, Mehul. Layered quantum key distribution. In Physical Review A, 2018, vol. 97, no. 3, 032312. (2017: 2.909 - IF, Q1 - JCR, 1.288 - SJR, Q1 - SJR, karentované - CCC). (2018 - Current Contents). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.97.032312>

Citácie:

1. [1.1] GU, Xuemei - CHEN, Lijun - ZEILINGER, Anton - KRENN, Mario. Quantum experiments and graphs. III. High-dimensional and multiparticle entanglement. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 99, no. 3, 032338., Registrované v: WOS

2. [1.1] JO, Yonggi - PARK, Hee Su - LEE, Seung-Woo - SON, Wonmin. Efficient High-Dimensional Quantum Key Distribution with Hybrid Encoding. In ENTROPY. ISSN 1099-4300, 2019, vol. 21, no. 1, 80., Registrované v: WOS

3. [1.1] TORUN, Gokhan - YILDIZ, Ali. Deterministic transformations of three-qubit entangled pure states. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 2, 022320., Registrované v: WOS

ADCA644 PLESCH, Martin - BRUKNER, C. Quantum-state preparation with universal gate decompositions. In Physical Review A, 2011, vol. 83, no. 3, 032302. (2010: 2.861 - IF, Q1 - JCR, 2.400 - SJR, Q1 - SJR, karentované - CCC). (2011 - Current Contents). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.83.032302>

Citácie:

1. [1.1] CHEN, Chih-Chieh - SHIAU, Shiue-Yuan - WU, Ming-Feng - WU, Yuh-Renn. Hybrid classical-quantum linear solver using Noisy Intermediate-Scale Quantum machines. In *SCIENTIFIC REPORTS*. ISSN 2045-2322, 2019, vol. 9, 16251., Registrované v: WOS
2. [1.1] PARK, Daniel K. - SINAYSKIY, Ilya - FINGERHUTH, Mark - PETRUCCIONE, Francesco - RHEE, June-Koo Kevin. Parallel quantum trajectories via forking for sampling without redundancy. In *NEW JOURNAL OF PHYSICS*. ISSN 1367-2630, 2019, vol. 21, 083024., Registrované v: WOS
3. [1.1] TACCHINO, Francesco - MACCHIAVELLO, Chiara - GERACE, Dario - BAJONI, Daniele. An artificial neuron implemented on an actual quantum processor. In *NPJ QUANTUM INFORMATION*. ISSN 2056-6387, 2019, vol. 5, 26., Registrované v: WOS

ADCA645 PLESCH, Martin - BUŽEK, Vladimír. Efficient compression of quantum information. In *Physical Review A*, 2010, vol. 81, no. 3, 032317. (2009: 2.866 - IF, Q2 - JCR, 2.469 - SJR, Q1 - SJR, karentované - CCC). (2010 - Current Contents). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.81.032317>

Citácie:

1. [1.1] ZOUFAL, Christa - LUCCHI, Aurelien - WOERNER, Stefan. Quantum Generative Adversarial Networks for learning and loading random distributions. In *NPJ QUANTUM INFORMATION*, 2019, vol. 5, 103., Registrované v: WOS

ADCA646 PLESCH, Martin - DAHLSTEN, O. - GOOLD, J. - VEDRAL, V. Comment on "Quantum Szilard Engine". In *Physical Review Letters*, 2013, vol. 111, no. 18, 188901. (2012: 7.943 - IF, Q1 - JCR, 6.292 - SJR, Q1 - SJR, karentované - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.111.188901>

Citácie:

1. [1.1] DIAZDELACRUZ, Jose - ANGEL MARTIN-DELGADO, Miguel. Quantum Information Remote Carnot Engines and Voltage Transformers. In *ENTROPY*. ISSN 1099-4300, 2019, vol. 21, no. 2, 127., Registrované v: WOS
2. [1.1] DIAZDELACRUZ, Jose. Entropy Distribution in a Quantum Informational Circuit of Tunable Szilard Engines. In *ENTROPY*, 2019, vol. 21, no. 10, 980., Registrované v: WOS

ADCA647 PLEVACHUK, Y. - SKLYARCHUK, V. - YAKYMOVYCH, A. - ŠVEC, Peter - JANIČKOVIČ, Dušan - ILLEKOVÁ, Emília. Electrical conductivity and viscosity of liquid Sn-Sb-Cu alloys. In *Journal of Materials Science*, 2011, vol. 22, no. 6, p. 631-638. (2010: 0.927 - IF, Q3 - JCR, 0.575 - SJR, Q2 - SJR, karentované - CCC). (2011 - Current Contents, SCOPUS). ISSN 0957-4522. Dostupné na: <https://doi.org/10.1007/s10854-010-0188-6>

Citácie:

1. [1.1] LI, Qian - LIN, Ju - LIU, Tianying - ZHENG, Han - LIU, Jing. Printed flexible thin-film transistors based on different types of modified liquid metal with good mobility. In *SCIENCE CHINA-INFORMATION SCIENCES*. ISSN 1674-733X, 2019, vol. 62, no. 10, 202403., Registrované v: WOS

ADCA648 PLEVACHUK, Y. - SKLYARCHUK, V. - YAKYMOVYCH, A. - ŠVEC, Peter - JANIČKOVIČ, Dušan - ILLEKOVÁ, Emília. Thermophysical properties of liquid silver-Bismuth-Tin alloys. In *Journal of Materials Engineering and Performance*, 2012, vol. 21, no. 5, p. 585-589. (2011: 0.855 - IF, Q3 - JCR, 0.535 - SJR, Q2 - SJR, karentované - CCC). (2012 - Current Contents). ISSN 1059-9495. Dostupné na: <https://doi.org/10.1007/s11665-012-0157-8>

Citácie:

1. [1.1] MALOMUZH, N. P. - MAKHLAICHUK, V. N. Theory of Self-Diffusion in Liquid Metals. In *RUSSIAN METALLURGY*. ISSN 0036-0295, 2019, no. 8, pp.

750-757., Registrované v: WOS

- ADCA649 PLEVA, M.** - GRANČIČ, B. - MIKULA, Marian - TRUCHLÝ, M. - ROCH, T. - SATRAPINSKY, L. - GREGOR, M. - ĎURINA, P. - GIRMAN, V. - ŠVEC, Peter Jr. - PLECENIK, A. - KÚŠ, P. Thermal stability of amorphous Ti-B-Si-N coatings with variable Si/B concentration ratio. In Surface and coatings technology, 2018, vol. 333, p. 52-60. (2017: 2.906 - IF, Q1 - JCR, 0.928 - SJR, Q1 - SJR, karentované - CCC). (2018 - Current Contents). ISSN 0257-8972. Dostupné na: <https://doi.org/10.1016/j.surfcoat.2017.10.063>
- Citácie:
1. [1.1] DING, Ji Cheng - LEE, Damin - MEI, Haijuan - ZHANG, Teng Fei - KANG, Myung Chang - WANG, Qi Min - KIM, Kwang Ho. Influence of Si addition on structure and properties of TiB₂-Si nanocomposite coatings deposited by high-power impulse magnetron sputtering. In CERAMICS INTERNATIONAL. ISSN 0272-8842, 2019, vol. 45, no. 5, pp. 6363-6372., Registrované v: WOS
- ADCA650 PRIPUTEN, P. - KUSÝ, M. - KRIŠKA, M. - LIPKA, R. - ILLEKOVÁ, Emília - ŠVEC, Peter - BURŠÍK, J. - SVOBODA, M. - DOLINŠEK, J. - JANOVEC, J. Characterization of phases in complex metallic alloys Al₇₃Mn_{27-x}Fe_x (x=2, 4 and 6). In Intermetallics, 2009, vol. 17, no. 12, p. 1047-1051. ISSN 0966-9795. Dostupné na: <https://doi.org/10.1016/j.intermet.2009.05.012>
- Citácie:
1. [1.1] WALNSCH, Alexander - KRIEGEL, Mario J. - FABRICHNAYA, Olga - LEINWEBER, Andreas. Thermodynamic assessment and experimental investigation of the systems Al-Fe-Mn and Al-Fe-Mn-Ni. In CALPHAD-COMPUTER COUPLING OF PHASE DIAGRAMS AND THERMOCHEMISTRY. ISSN 0364-5916, 2019, vol. 66, UNSP 101621., Registrované v: WOS
- ADCA651 PRIPUTEN, P. - KUSÝ, M. - DRIENOVSKY, M. - JANIČKOVIČ, Dušan - ČIČKA, R. - CERNICKOVA, I. - JANOVEC, J. Experimental reinvestigation of Al-Co phase diagram in vicinity of Al₁₃Co₄ family of phases. In Journal of Alloys and Compounds, 2015, vol. 647, p. 486-497. (2014: 2.999 - IF, Q1 - JCR, 1.117 - SJR, Q1 - SJR, karentované - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 0925-8388. Dostupné na: <https://doi.org/10.1016/j.jallcom.2015.05.248>
- Citácie:
1. [1.1] OSTROWSKA, Marlena - CACCIAMANI, Gabriele. Critical evaluation and thermodynamic modeling of the Al-Co-Fe system. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2019, vol. 794, pp. 553-568., Registrované v: WOS
- ADCA652 PRIPUTEN, P. - ČERNIČKOVÁ, I. - LAJČEK, P. - JANIČKOVIČ, Dušan - JANOVEC, J. A partial isothermal section at 1000 C of Al-Mn-Fe phase diagram in Vicinity of Taylor phase and decagonal quasicrystal. In Journal of Phase Equilibria and Diffusion, 2016, vol. 37, no. 2, p. 130-134. (2015: 0.784 - IF, Q3 - JCR, 0.363 - SJR, Q2 - SJR, karentované - CCC). (2016 - Current Contents). ISSN 1547-7037. Dostupné na: <https://doi.org/10.1007/s11669-015-0432-0>
- Citácie:
1. [1.1] WALNSCH, Alexander - KRIEGEL, Mario J. - FABRICHNAYA, Olga - LEINWEBER, Andreas. Thermodynamic assessment and experimental investigation of the systems Al-Fe-Mn and Al-Fe-Mn-Ni. In CALPHAD-COMPUTER COUPLING OF PHASE DIAGRAMS AND THERMOCHEMISTRY. ISSN 0364-5916, 2019, vol. 66, no., pp., Registrované v: WOS
- ADCA653 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. (2010: 1.142 - IF, Q2 - JCR, 0.894 - SJR, Q1 - SJR, karentované - CCC). (2011 - Current

Contents, WOS, SCOPUS). ISSN 0168-9002. Dostupné na:

<https://doi.org/10.1016/j.nima.2011.03.018>

Citácie:

1. [1.1] BERNSTEIN, Lee A. - BROWN, David A. - KONING, Arjan J. - REARDEN, Bradley T. - ROMANO, Catherine E. - SONZOGNI, Alejandro A. - VOYLES, Andrew S. - YOUNES, Walid. *Our Future Nuclear Data Needs. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 69. ISSN 0163-8998, 2019, vol. 69, pp. 109-136., Registrované v: WOS*
2. [1.1] NICA, N. *Nuclear Data Sheets for A=155. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2019, vol. 160, pp. 1-404., Registrované v: WOS*
3. [1.1] SINGH, Balraj - BASUNIA, M. S. - MARTIN, Murray - MCCUTCHAN, E. A. - BALA, Indu - CABALLERO-FOLCH, R. - CANAVAN, Rhiann - CHAKRABARTI, Ritwika - CHEKHOVSKA, A. - GRINDER, M. M. - KAIM, Samra - KANJILAL, Debasmita - KASPEROVYCH, D. - KOBRA, M. J. - KOURA, H. - NANDI, Soumen - OLACEL, Adina - SINGH, Abhilasha - TEE, B. P. E. *Nuclear Data Sheets for A=218. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2019, vol. 160, pp. 405-471., Registrované v: WOS*
4. [1.1] SOTI, Zsolt - MAGILL, Joseph - DREHER, Raymond. *Karlsruhe Nuclide Chart New 10th edition 2018. In EPJ NUCLEAR SCIENCES & TECHNOLOGIES. ISSN 2491-9292, 2019, vol. 5, 6., Registrované v: WOS*

ADCA654 PRITYCHENKO, B. - BĚTÁK, Emil - SINGH, B. - TOTANS, J. Nuclear science references database. In Nuclear Data Sheets, 2014, vol. 120, p. 291-293. (2013: 3.353 - IF, Q1 - JCR, 1.761 - SJR, karentované - CCC). (2014 - Current Contents). ISSN 0090-3752. Dostupné na: <https://doi.org/10.1016/j.nds.2014.07.070>

Citácie:

1. [1.1] KONDEV, F. G. *Nuclear Data Sheets for A=177. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2019, vol. 159, pp. 1-412., Registrované v: WOS*
2. [1.1] LALKOVSKI, S. - TIMAR, J. - ELEKES, Z. *Nuclear Data Sheets for A=105. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2019, vol. 161, pp. 1-353., Registrované v: WOS*
3. [1.1] NICA, N. *Nuclear Data Sheets for A=155. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2019, vol. 160, pp. 1-404., Registrované v: WOS*

ADCA655 RAITH, M. - STAÑO, Peter - FABIAN, J. Theory of single electron spin relaxation in Si/SiGe lateral coupled quantum dots. In Physical Review B, 2011, vol. 83, no. 19, 195318. (2010: 3.774 - IF, Q1 - JCR, 3.318 - SJR, Q1 - SJR, karentované - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.83.195318>

Citácie:

1. [1.1] BENITO, M. - CROOT, X. - ADELSBERGER, C. - PUTZ, S. - MI, X. - PETTA, J. R. - BURKARD, Guido. *Electric-field control and noise protection of the flopping-mode spin qubit. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 100, no. 12, 125430., Registrované v: WOS*

ADCA656 RAPISARDA, E.** - ANDREYEV, A.N. - ANTALIC, S. - BARZAKH, A. - COCOLIOS, T.E. - DARBY, I.G. - DE GROOTE, R. - DE WITTE, H. - DIRIKEN, J. - ELSEVIERS, J. - FEDOROV, D. - FEDOSSEEV, V.N. - FERRER, R. - HUYSE, M. - KALANINOVA, Z. - KOSTER, U. - LANE, J. - LIBERATI, V. - LYNCH, K.M. - MARSH, B.A. - MOLKANOV, P.L. - PAUWELS, D. - PROCTER, T.J. - RADULOV, D. - SANDHU, K. - SELIVERSTOV, M.D. - VAN BEVEREN, C. - VAN DEN BERGH, P. - VAN DUPPEN, P. - VENHART, Martin - VESELSKÝ, Martin - WRZOSEK-LIPSKA, K. Shape coexistence studied in Hg-182, Hg-184 via the beta decay of Tl-182, Tl-184. In Journal of Physics G: Nuclear and particle physics, 2017, vol. 44, no. 7, art. no. 074001. (2016: 2.899 - IF, Q2 - JCR, 1.365 -

SJR, Q1 - SJR, karentované - CCC). (2017 - Current Contents). ISSN 0954-3899.
Dostupné na: <https://doi.org/10.1088/1361-6471/aa6bb6>

Citácie:

1. [1.1] FORTUNE, H. T. Coexistence and mixing in Hg-182,Hg-184. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 4, 044303.,

Registrované v: WOS

- ADCA657 REHÁK, M. - NEILINGER, P. - GRAJCAR, Miroslav - OELSNER, G. - HUBNER, U. - ILICHEV, E. - MEYER, H.-G. Parametric amplification by coupled flux qubits. In Applied Physics Letters, 2014, vol. 104, no. 16, 162604. (2013: 3.515 - IF, Q1 - JCR, 2.149 - SJR, karentované - CCC). (2014 - Current Contents). ISSN 0003-6951.
Dostupné na: <https://doi.org/10.1063/1.4873719>

Citácie:

1. [1.1] GOTO, Hayato. Quantum Computation Based on Quantum Adiabatic Bifurcations of Kerr-Nonlinear Parametric Oscillators. In JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN. ISSN 0031-9015, 2019, vol. 88, no. 6, 162604.,

Registrované v: WOS

- ADCA658 REITZNER, Daniel - HILLERY, M. - FELDMAN, E. - BUŽEK, Vladimír. Quantum searches on highly symmetric graphs. In Physical Review A, 2009, vol. 79, no. 1, 012323. (2008: 2.908 - IF, Q1 - JCR, 2.536 - SJR, Q1 - SJR, karentované - CCC). (2009 - Current Contents, WOS, SCOPUS). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.79.012323>

Citácie:

1. [1.1] KOCH, Daniel. Scattering quantum random walks on square grids and randomly generated mazes. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 99, no. 1, 012330., Registrované v: WOS

2. [1.1] LOVETT, Neil B. - EVERITT, Matthew - HEATH, Robert M. - KENDON, Viv. The quantum walk search algorithm: factors affecting efficiency. In MATHEMATICAL STRUCTURES IN COMPUTER SCIENCE. ISSN 0960-1295, 2019, vol. 29, no. 3, pp. 389-429., Registrované v: WOS

3. [1.1] MARES, J. - NOVOTNY, J. - JEX, I. Percolated quantum walks with a general shift operator: From trapping to transport. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 99, no. 4, 042129., Registrované v: WOS

4. [1.1] RHODES, Mason L. - WONG, Thomas G. Quantum walk search on the complete bipartite graph. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 99, no. 3, 032301., Registrované v: WOS

5. [1.1] RHODES, Mason L. - WONG, Thomas G. Search by lackadaisical quantum walks with nonhomogeneous weights. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 4, 042303., Registrované v: WOS

6. [1.1] XUE, Xi-ling - RUAN, Yue - LIU, Zhi-hao. Discrete-time quantum walk search on Johnson graphs. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2019, vol. 18, no. 2, 50., Registrované v: WOS

- ADCA659 REPKO, Anton - KVASIL, J. - NESTERENKO, V.O.** - REINHARD, P.-G. Pairing and deformation effects in nuclear excitation spectra. In European Physical Journal A, 2017, vol. 53, no. 11, art. no. 221. (2016: 2.833 - IF, Q2 - JCR, 0.561 - SJR, Q3 - SJR, karentované - CCC). (2017 - Current Contents). ISSN 1434-6001. Dostupné na: <https://doi.org/10.1140/epja/i2017-12406-3>

Citácie:

1. [1.1] SHIKATA, Yuki - KANADA-EN', YO, Yoshiko - MORITA, Hiroyuki. Low-energy dipole excitation modes in Be-10. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS. ISSN 2050-3911, 2019, no. 6, 063D01.,

Registrované v: WOS

- ADCA660 RIAL, J. - ŠVEC, Peter Jr. - PALMERO, E.M. - CAMARERO, J. - ŠVEC, Peter -

BOLLERO, A.**. Severe tuning of permanent magnet properties in gas-atomized MnAl powder by controlled nanostructuring and phase transformation. In *Acta Materialia*, 2018, vol. 157, p. 42-52. (2017: 6.036 - IF, Q1 - JCR, 3.263 - SJR, Q1 - SJR, karentované - CCC). (2018 - Current Contents). ISSN 1359-6454. Dostupné na: <https://doi.org/10.1016/j.actamat.2018.07.010>

Citácie:

1. [1.1] TONG, Junwei - FENG, Yuxuan - TIAN, Fubo - ZHOU, Lianqun - QIN, Gaowu - ZHANG, Xianmin. Unusual interfacial magnetic interactions for MnAl with Fe(Co) atomic layers. In *PHYSICAL CHEMISTRY CHEMICAL PHYSICS*. ISSN 1463-9076, 2019, vol. 21, no. 5, pp. 2443-2452., Registrované v: WOS

ADCA661 RIBANSKÝ, Igor - OBLOŽINSKÝ, Pavol - BĚTÁK, Emil. Pre-equilibrium decay and the exciton model. In *Nuclear Physics A*, 1973, vol. 205, no. 3, p. 545-560. ISSN 0375-9474. Dostupné na: [https://doi.org/10.1016/0375-9474\(73\)90705-7](https://doi.org/10.1016/0375-9474(73)90705-7)

Citácie:

1. [1.1] CHAUHAN, Amit - MAITI, Moumita - LAHIRI, Susanta. Measurement and analysis of excitation functions of the residues from C-12+Y-89: A major production route for Ru-97. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 99, no. 6, 064609., Registrované v: WOS

2. [1.1] GANDHI, A. - RAI, N. K. - PRAJAPATI, P. K. - NAYAK, B. K. - SAXENA, A. - ROY, B. J. - SINGH, N. L. - MUKHERJEE, S. - KOPATCH, Yu N. - RUSKOV, I. N. - GROZDANOV, D. N. - FEDOROV, N. A. - KUMAR, A. Evaluation of the nuclear excitation functions of fast neutron-induced reactions on Cr-52 and Fe-56 isotopes. In *INDIAN JOURNAL OF PHYSICS*. ISSN 0973-1458, 2019, vol. 93, no. 10, pp. 1345-1351., Registrované v: WOS

3. [1.1] KARA, A. Determination of nuclear excitation functions of zirconium using certain level density parameters for neutron-induced reactions. In *INDIAN JOURNAL OF PHYSICS*. ISSN 0973-1458, 2019, vol. 93, no. 11, pp. 1485-1488., Registrované v: WOS

4. [1.1] KHORSHIDI, Abdollah. Radiochemical parameters of molybdenum-99 transmutation in cyclotron-based production method using a neutron activator design for nuclear-medicine aims. In *EUROPEAN PHYSICAL JOURNAL PLUS*. ISSN 2190-5444, 2019, vol. 134, no. 6, 249., Registrované v: WOS

5. [1.1] SIDDIQ, T. Theoretical cross-sectional calculation of some structural fusion material on (n,)-induced reactions. In *INDIAN JOURNAL OF PHYSICS*. ISSN 0973-1458, 2019, vol. 93, no. 7, pp. 921-925., Registrované v: WOS

6. [1.1] YIGIT, M. - TEL, E. - SARPUN, I. H. A new study on (n, p) cross sections in nuclear interactions of neutrons with dysprosium. In *INDIAN JOURNAL OF PHYSICS*. ISSN 0973-1458, 2019, vol. 93, no. 12, pp. 1611-1618., Registrované v: WOS

7. [1.1] YIGIT, Mustafa - BOSTAN, Sumeyye Nur. Study on cross section calculations for (n,p) nuclear reactions of cadmium isotopes. In *APPLIED RADIATION AND ISOTOPES*. ISSN 0969-8043, 2019, vol. 154, UNSP 108868., Registrované v: WOS

ADCA662 RIKVOLD, P.A. - KOLESÍK, Miroslav. Analytic approximations for the velocity of field-driven Ising interfaces. In *Journal of Statistical Physics*, 2000, vol. 100, no. 1-2, p. 377-403. (1999: 1.192 - IF). ISSN 0022-4715. Dostupné na: <https://doi.org/10.1023/a:1018664301115>

Citácie:

1. [1.1] SHNEIDMAN, Vitaly A. From early nucleation past the percolation threshold: Status of the Kolmogorov-Avrami theory on a cold Ising lattice. In *PHYSICAL REVIEW E*. ISSN 2470-0045, 2019, vol. 100, no. 6, 061301., Registrované v: WOS

- ADCA663 RIVAS, M. - MARTÍNEZ-GARCÍA, J.C. - ŠKORVÁNEK, Ivan - MARCIN, Jozef - ŠVEC, Peter - GORRIA, Pedro. Magnetostatic interaction in soft magnetic bilayer ribbons unambiguously identified by first-order reversal curve analysis. In *Applied Physics Letters*, 2015, vol. 107, no. 13, 132403. (2014: 3.302 - IF, Q1 - JCR, 1.861 - SJR, Q1 - SJR, karentované - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 0003-6951. Dostupné na: <https://doi.org/10.1063/1.4932066>
- Citácie:
- [1.1] CIMPOESU, Dorin - DUMITRU, Ioan - STANCU, Alexandru. *doFORC tool for calculating first-order reversal curve diagrams of noisy scattered data*. In *JOURNAL OF APPLIED PHYSICS*. ISSN 0021-8979, 2019, vol. 125, no. 2, 023906., Registrované v: WOS
 - [1.1] ZOU, J. T. - PAN, H. L. - WANG, J. T. - LI, X. - ZHANG, Q. - XIE, W. H. - WANG, J. - ZHAO, Z. J. *Dipolar interaction in multiple FINEMET ribbons*. In *JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS*. ISSN 0304-8853, 2019, vol. 476, pp. 297-301., Registrované v: WOS
- ADCA664 RODIN, A.M. - BELOZEROV, A.V. - VANIN, D.V. - VEDENEYEV, V.Yu. - GULYAEV, A.V. - GULYAEVA, A.V. - DMITRIEV, S.N. - ITKIS, M.G. - KLIMAN, Ján - KONDRATIEV, N.A. - KRUPA, L. - OGANESSIAN, Yu.Ts. - SALAMATIN, E.V. - SIVÁČEK, Ivan - STEPANTSOV, S.V. - CHERNYSHEVA, E.V. - YUCHIMCHUK, S.A. MASHA separator on the heavy ion beam for determining masses and nuclear physical properties of isotopes of heavy and superheavy elements. In *Instruments and Experimental Techniques*, 2014, vol. 57, no. 4, p. 386-393. (2013: 0.349 - IF, Q4 - JCR, 0.298 - SJR, karentované - CCC). (2014 - Current Contents). ISSN 0020-4412. Dostupné na: <https://doi.org/10.1134/S0020441214030208>
- Citácie:
- [1.1] LOPEZ-MARTENS, A. - YEREMIN, A. - TEZEKBAYEVA, M. S. - ASFARI, Z. - BRIONNET, R. - DORVAUX, O. - GALL, B. - HAUSCHILD, K. - ACKERMANN, D. - CACERES, L. - CHELNOKOV, M. L. - CHEPIGIN, V. - GUSTOVA, M. - ISAEV, A. - KARPOV, A. - KUZNETSOVA, A. A. - PIOT, J. - MALYSHEV, O. N. - POPEKO, A. G. - POPOV, Yu A. - REZYNKINA, K. - SAVAJOLS, H. - SVIRIKHIN, A. - SOKOL, E. A. - STEINEGGER, R. *Measurement of proton-evaporation rates in fusion reactions leading to transfermium nuclei*. In *PHYSICS LETTERS B*. ISSN 0370-2693, 2019, vol. 795, pp. 271-276., Registrované v: WOS
- ADCA665 ROTHE, S. - ANDREYEV, A.N. - ANTALIC, S. - BORSCHEVSKY, A. - CAPPONI, L. - COCOLIOS, T.E. - DE WITTE, H. - ELIAV, E. - FEDOROV, D.V. - FEDOSSEEV, V.N. - FINK, D.A. - FRITZSCHE, S. - GHYS, L. - HUYSE, M. - IMAI, N. - KALDOR, U. - KUDRYAVTSEV, Yu. - KOSTER, U. - LANE, J.F.W. - LASSEN, J. - LIBERATI, V. - LYNCH, K.M. - MARSH, B.A. - NISHIO, K. - PAUWELS, D. - PERSHINA, V. - POPESCU, L. - PROCTER, T.J. - RADULOV, D. - RAEDER, S. - RAJABALI, M.M. - RAPISARDA, E. - ROSSEL, R.E. - SANDHU, K. - SELIVERSTOV, M.D. - SJODIN, A.M. - VAN DEN BERGH, P. - VAN DUPPEN, P. - VENHART, Martin - WAKABAYASHI, Y. - WENDT, K.D.A. Measurement of the first ionization potential of astatine by laser ionization spectroscopy. In *Nature Communications*, 2013, vol. 4, 1835. (2012: 10.015 - IF, Q1 - JCR, 5.866 - SJR, Q1 - SJR, karentované - CCC). (2013 - Current Contents). ISSN 2041-1723. Dostupné na: <https://doi.org/10.1038/ncomms2819>
- Citácie:
- [1.1] ANEHEIM, Emma - PALM, Stig - JENSEN, Holger - EKBERG, Christian - ALBERTSSON, Per - LINDEGREN, Sture. *Towards elucidating the radiochemistry of astatine Behavior in chloroform*. In *SCIENTIFIC REPORTS*.

ISSN 2045-2322, 2019, vol. 9, 15900., Registrované v: WOS

2. [1.1] FINNEY, Brian A. - PETERSON, Kirk A. *Beyond chemical accuracy in the heavy p-block: The first ionization potentials and electron affinities of Ga-Kr, In-Xe, and Tl-Rn. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2019, vol. 151, no. 2, 024303., Registrované v: WOS*

- ADCA666 RÓZSA, L.** - PALOTÁS, Krisztián - DEÁK, A. - SIMON, E. - YANES, R. - UDVARDI, L. - SZUNYOGH, L. Formation and stability of metastable skyrmionic spin structures with various topologies in an ultrathin film. In Physical Review B, 2017, vol. 95, no. 9, art. no. 094423. (2016: 3.836 - IF, Q2 - JCR, 2.339 - SJR, Q1 - SJR, karentované - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.95.094423>

Citácie:

1. [1.1] CAPIC, Daniel - GARANIN, Dmitry A. - CHUDNOVSKY, Eugene M. *Stability of biskyrmions in centrosymmetric magnetic films. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 100, no. 1, 014432., Registrované v: WOS*

2. [1.1] DESPLAT, L. - KIM, J. - STAMPS, R. L. *Paths to annihilation of first- and second-order (anti)skyrmions via (anti)meron nucleation on the frustrated square lattice. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 99, no. 17, 174409., Registrované v: WOS*

3. [1.1] MEYER, Sebastian - PERINI, Marco - VON MALOTTKI, Stephan - KUBETZKA, Andr - WIESENDANGER, Roland - VON BERGMANN, Kirsten - HEINZE, Stefan. *Isolated zero field sub-10 nm skyrmions in ultrathin Co films. In NATURE COMMUNICATIONS. ISSN 2041-1723, 2019, vol. 10, 3823., Registrované v: WOS*

4. [1.1] RAJU, M. - YAGIL, A. - SOUMYANARAYANAN, Anjan - TAN, Anthony K. C. - ALMOALEM, A. - MA, Fusheng - AUSLAENDER, O. M. - PANAGOPOULOS, C. *The evolution of skyrmions in Ir/Fe/Co/Pt multilayers and their topological Hall signature. In NATURE COMMUNICATIONS. ISSN 2041-1723, 2019, vol. 10, 696., Registrované v: WOS*

5. [1.1] RYBAKOV, Filipp N. - KISELEV, Nikolai S. *Chiral magnetic skyrmions with arbitrary topological charge. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 99, no. 6., Registrované v: WOS*

6. [1.1] VILLALBA, M. E. - GOMEZ ALBARRACIN, F. A. - ROSALES, H. D. - CABRA, D. C. *Field-induced pseudo-skyrmion phase in the antiferromagnetic kagome lattice. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 100, no. 24, 245106., Registrované v: WOS*

7. [1.1] VON MALOTTKI, Stephan - BESSARAB, Pavel F. - HALDAR, Soumyajyoti - DELIN, Anna - HEINZE, Stefan. *Skyrmion lifetime in ultrathin films. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 99, no. 6, 060409., Registrované v: WOS*

- ADCA667 RÜHLÄNDER, M. - MARKOŠ, Peter - SOUKOULIS, C.M. Conductance fluctuations and boundary conditions. In Physical Review B, 2001, vol. 64, no. 17, p. 172202. (2000: 3.065 - IF, karentované - CCC). (2001 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.64.172202>

Citácie:

1. [1.2] SUSLOV, I. M. *Conductance Distribution in 1D Systems: Dependence on the Fermi Level and the Ideal Leads. In Journal of Experimental and Theoretical Physics. ISSN 10637761, 2019, vol. 129, no. 5, pp. 877-895., Registrované v: SCOPUS*

- ADCA668 RUNGTA, P. - BUŽEK, Vladimír - CAVES, C.M. - HILLERY, M. - MILBURN,

G.J. Universal state inversion and concurrence in arbitrary dimensions. In *Physical Review A*, 2001, vol. 64, no. 4, p. 042315. (2000: 2.684 - IF). ISSN 1050-2947.
Dostupné na: <https://doi.org/10.1103/PhysRevA.64.042315>

Citácie:

1. [1.1] FAN, Xiao-Gang - SUN, Wen-Yang - DING, Zhi-Yong - MING, Fei - YANG, Huan - WANG, Dong - YE, Liu. Universal complementarity between coherence and intrinsic concurrence for two-qubit states. In *NEW JOURNAL OF PHYSICS*. ISSN 1367-2630, 2019, vol. 21, 093053., Registrované v: WOS
2. [1.1] GHASEMIAN, E. - TAVASSOLY, M. K. Generation of various classes of entangled states in a two-mode Bose-Einstein condensate under the influence of interatom collisions. In *MODERN PHYSICS LETTERS A*. ISSN 0217-7323, 2019, vol. 34, no. 34, 1950282., Registrované v: WOS
3. [1.1] GUO, Yu - GOUR, Gilad. Monogamy of the entanglement of formation. In *PHYSICAL REVIEW A*. ISSN 1050-2947, 2019, vol. 99, no. 4, 042305., Registrované v: WOS
4. [1.1] JIN, Zhi-Xiang - FEI, Shao-Ming - LI-JOST, Xianqing. Generalized Entanglement Monogamy and Polygamy Relations for N-Qubit Systems. In *INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS*. ISSN 0020-7748, 2019, vol. 58, no. 5, pp. 1576-1589., Registrované v: WOS
5. [1.1] JIN, Zhi-Xiang - FEI, Shao-Ming - QIAO, Cong-Feng. Polygamy relations of multipartite systems. In *QUANTUM INFORMATION PROCESSING*. ISSN 1570-0755, 2019, vol. 18, no. 4, 105., Registrované v: WOS
6. [1.1] JIN, Zhi-Xiang - FEI, Shao-Ming. Finer distribution of quantum correlations among multiqubit systems. In *QUANTUM INFORMATION PROCESSING*. ISSN 1570-0755, 2019, vol. 18, no. 1, 21., Registrované v: WOS
7. [1.1] JIN, Zhi-Xiang - FEI, Shao-Ming. Polygamy relations of multipartite entanglement beyond qubits. In *JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL*. ISSN 1751-8113, 2019, vol. 52, no. 16, 165303., Registrované v: WOS
8. [1.1] JIN, Zhi-Xiang - LI-JOST, Xianqing - FEI, Shao-Ming. Triangle-like inequalities related to coherence and entanglement negativity. In *QUANTUM INFORMATION PROCESSING*. ISSN 1570-0755, 2019, vol. 18, no. 1, 5., Registrované v: WOS
9. [1.1] JOHANSSON, Niklas - LARSSON, Jan-Ake. Quantum Simulation Logic, Oracles, and the Quantum Advantage. In *ENTROPY*, 2019, vol. 21, no. 8, 800., Registrované v: WOS
10. [1.1] KOUZAKOV, K. A. QUANTUM ENTANGLEMENT IN THE NONRELATIVISTIC COLLISION BETWEEN TWO IDENTICAL FERMIONS WITH SPIN 1/2. In *THEORETICAL AND MATHEMATICAL PHYSICS*. ISSN 0040-5779, 2019, vol. 201, no. 2, pp. 1664-1679., Registrované v: WOS
11. [1.1] KOUZAKOV, Konstantin A. - CHOTORLISHVILI, Levan - WAETZEL, Jonas - BERAHDAR, Jamal - ERNST, Arthur. Entanglement balance of quantum (e, 2e) scattering processes. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2019, vol. 100, no. 2, 022311., Registrované v: WOS
12. [1.1] MACIESZCZAK, Katarzyna - LEVI, Emanuele - MACRI, Tommaso - LESANOVSKY, Igor - GARRAHAN, Juan P. Coherence, entanglement, and quantumness in closed and open systems with conserved charge, with an application to many-body localization. In *PHYSICAL REVIEW A*. ISSN 1050-2947, 2019, vol. 99, no. 5, 052354., Registrované v: WOS
13. [1.1] MALEKI, Yusef - AHANSAZ, Bahram. Quantum correlations in qutrit-like superposition of spin coherent states. In *LASER PHYSICS LETTERS*. ISSN 1612-2011, 2019, vol. 16, no. 7, 075205., Registrované v: WOS

14. [1.1] PAN, Minghua - QIU, Daowen - MATEUS, Paulo - GRUSKA, Jozef. Entangling and disentangling in Grover's search algorithm. In THEORETICAL COMPUTER SCIENCE. ISSN 0304-3975, 2019, vol. 773, pp. 138-152., Registrované v: WOS
15. [1.1] PARSIAN, Hossein - AKHOUND, Ahmad. Classical and quantum correlations for a family of two-qutrit states. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION. ISSN 0219-7499, 2019, vol. 17, no. 3, 1950028., Registrované v: WOS
16. [1.1] QIU, Peng-Hui - CHEN, Xiao-Guang - SHI, Yi-Wei. Detecting Entanglement With Deep Quantum Neural Networks. In IEEE ACCESS. ISSN 2169-3536, 2019, vol. 7, pp. 94310-94320., Registrované v: WOS
17. [1.1] SELVAN, Karthick - PANIGRAHI, Prasanta K. Entanglement condition for W type multimode states and schemes for experimental realization. In EUROPEAN PHYSICAL JOURNAL D. ISSN 1434-6060, 2019, vol. 73, no. 6, 127., Registrované v: WOS
18. [1.1] SEN, Surajit - DEY, Tushar Kanti - NATH, Mihir Ranjan. Collapse and revival oscillation in Double Jaynes-Cummings model. In EUROPEAN PHYSICAL JOURNAL D. ISSN 1434-6060, 2019, vol. 73, no. 1, 3., Registrované v: WOS
19. [1.1] SINGH, Sudha - OOI, C. H. Raymond. Dynamics of Kerr-like medium with two-mode intensity-dependent cavity fields. In LASER PHYSICS. ISSN 1054-660X, 2019, vol. 29, no. 1, 015202., Registrované v: WOS
20. [1.1] VALDES-HERNANDEZ, Andrea - BRAUER, Victor H. T. - SANTIAGO ZAMORA, F. Guaranteed emergence of genuine entanglement in 3-qubit evolving systems. In EUROPEAN PHYSICAL JOURNAL D. ISSN 1434-6060, 2019, vol. 73, no. 11, 245., Registrované v: WOS
21. [1.1] WU, Feng-Lin - LIU, Si-Yuan - YANG, Wen-Li - FAN, Heng. Construction of Complete Orthogonal Genuine Multipartite Entanglement State. In CHINESE PHYSICS LETTERS. ISSN 0256-307X, 2019, vol. 36, no. 6, 060301., Registrované v: WOS
22. [1.1] YANG, Huan - DING, Zhi-Yong - SUN, Wen-Yang - MING, Fei - FAN, Xiao-Gang - WANG, Dong - ZHANG, Chang-Jin - YE, Liu. Exploring maximal steered coherence and entanglement via quantum steering ellipsoid framework. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2019, vol. 18, no. 10, 299., Registrované v: WOS
23. [1.1] YANG, Long-Mei - CHEN, Bin - FEI, Shao-Ming - WANG, Zhi-Xi. Tighter Constraints of Multiqubit Entanglement. In COMMUNICATIONS IN THEORETICAL PHYSICS. ISSN 0253-6102, 2019, vol. 71, no. 5, pp. 545-554., Registrované v: WOS
24. [1.1] ZHANG, Limei - GAO, Ting - YAN, Fengli. Relations among k -ME concurrence, negativity, polynomial invariants, and tangle. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2019, vol. 18, no. 6, 194., Registrované v: WOS
25. [1.1] ZHU, Xue-Na - BAO, Gui. Monogamy properties of any dimensional quantum systems. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2019, vol. 18, no. 9, 289., Registrované v: WOS
26. [1.1] ZHU, Xue-Na - FEI, Shao-Ming. Monogamy properties of qubit systems. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2019, vol. 18, no. 1, 23., Registrované v: WOS
27. [1.1] ZHU, Xue-Na - JIN, Zhi-Xiang - FEI, Shao-Ming. Polygamy Inequalities for Qubit Systems. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2019, vol. 58, no. 8, pp. 2488-2496., Registrované v:

RUSSOTTO, P. - GANNON, S. - KUPNY, S. - LASKO, P. - ACOSTA, L. - ADAMCZYK, M. - AL-AJLAN, A. - AL-GARAWI, M. - AL-HOMAIDHI, S. - AMORINI, F. - AUDITORE, L. - AUMANN, T. - AYYAD, Y. - BASRAK, Z. - BENLLIURE, J. - BOISJOLI, M. - BORETZKY, K. - BRZYCHCZYK, J. - BUDZANOWSKI, A. - CAESAR, C. - CARDELLA, G. - CAMMARATA, P. - CHAJECKI, Z. - CHARTIER, M. - CHBIHI, A. - COLONNA, M. - COZMA, M.D. - CZECH, B. - DE FILIPPO, E. - DI TORO, M. - FAMIANO, M. - GAŠPARIĆ, I. - GRASSI, L. - GUAZZONI, C. - GUAZZONI, P. - HEIL, M. - HEILBORN, L. - INTROZZI, R. - ISOBE, T. - KEZZAR, K. - KIŠ, M. - KRASZNAHORKAY, A. - KURZ, N. - LA GUIDARA, E. - LANZALONE, G. - LE FÉVRE, A. - LEIFELS, Y. - LEMMON, R.C. - LI, Q.F. - LOMBARDO, I. - LUKASIK, J. - LYNCH, W.G. - MARINI, P. - MATTHEWS, Z. - MAY, L. - MINNITI, T. - MOSTAZO, M. - PAGANO, A. - PAGANO, E.V. - PAPA, M. - PAWLOWSKI, P. - PIRRONE, S. - POLITI, G. - PORTO, F. - REVIOL, W. - RICCIO, F. - RIZZO, F. - ROSATO, E. - ROSSI, D. - SANTORO, S. - SARANTITES, D.G. - SIMON, H. - SKWIRCZYNSKA, I. - SOSIN, Z. - STUHL, L. - TRAUTMANN, W. - TRIFIRO, A. - TRIMARCHI, M. - TSANG, M.B. - VERDE, G. - VESELSKÝ, Martin - VIGILANTE, M. - WANG, Y. - WIELOCH, A. - WIGG, P. - WINKELBAUER, J. - WOLTER, H.H. - WU, P. - YENNELLO, S. - ZAMBON, P. - ZETTA, L. - ZORIC, M. Results of the ASY-EOS experiment at GSI: The symmetry energy at suprasaturation density. In *Physical Review C*, 2016, vol. 94, no. 3, 034608. (2015: 3.146 - IF, Q2 - JCR, 1.993 - SJR, Q1 - SJR, karentované - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.94.034608>

Citácie:

1. [1.1] BAIOTTI, Luca. *Gravitational waves from neutron star mergers and their relation to the nuclear equation of state*. In *PROGRESS IN PARTICLE AND NUCLEAR PHYSICS*. ISSN 0146-6410, 2019, vol. 109, UNSP 103714., Registrované v: WOS
2. [1.1] BEDNAREK, I - SLADKOWSKI, J. - SYSKA, J. *MODIFICATION OF THE SYMMETRY ENERGY BY STRANGENESS*. In *ACTA PHYSICA POLONICA B*. ISSN 0587-4254, 2019, vol. 50, no. 11, pp. 1849-1858., Registrované v: WOS
3. [1.1] BEDNAREK, Ilona - SLADKOWSKI, Jan - SYSKA, Jacek. *Aspects of Approximation in Modeling of the Asymmetric Nuclear Matter*. In *JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN*. ISSN 0031-9015, 2019, vol. 88, no. 12, 124201., Registrované v: WOS
4. [1.1] CAI, Bao-Jun - CHEN, Lie-Wen. *Relativistic self-energy decomposition of nuclear symmetry energy and equation of state of neutron matter within QCD sum rules*. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 100, no. 2, 024303., Registrované v: WOS
5. [1.1] GUO, Ya-Fei - YONG, Gao-Chan. *High p(t) squeezed-out n/p ratio as a probe of K-sym of the symmetry energy*. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 100, no. 1, 014617., Registrované v: WOS
6. [1.1] LI, Bao-An - KRASSTEV, Plamen G. - WEN, De-Hua - ZHANG, Nai-Bo. *Towards understanding astrophysical effects of nuclear symmetry energy*. In *EUROPEAN PHYSICAL JOURNAL A*. ISSN 1434-6001, 2019, vol. 55, no. 7, 117., Registrované v: WOS
7. [1.1] LLANES-ESTRADA, Felipe J. - LOPE-OTER, Eva. *Hadron matter in neutron stars in view of gravitational wave observations*. In *PROGRESS IN PARTICLE AND NUCLEAR PHYSICS*. ISSN 0146-6410, 2019, vol. 109, UNSP 103715., Registrované v: WOS

8. [1.1] LOURENCO, O. - DUTRA, M. - HEN, O. - PIASETZKY, E. - MENEZES, D. P. Consistent relativistic mean-field models: symmetry energy parameter. In *XLI BRAZILIAN MEETING ON NUCLEAR PHYSICS (RTFNB)*. ISSN 1742-6588, 2019, vol. 1291, 012043., Registrované v: WOS
9. [1.1] MALLIK, S. - CHAUDHURI, G. - GULMINELLI, F. Sensitivity of the evaporation residue observables to the symmetry energy. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 100, no. 2, 024611., Registrované v: WOS
10. [1.1] ONO, Akira. Dynamics of clusters and fragments in heavy-ion collisions. In *PROGRESS IN PARTICLE AND NUCLEAR PHYSICS*. ISSN 0146-6410, 2019, vol. 105, pp. 139-179., Registrované v: WOS
11. [1.1] QUDDUS, Abdul - NAIK, K. C. - PANDA, R. N. - PATRA, S. K. Temperature dependent study of neutron-rich thermally fissile T244-262 h and U246-264 nuclei within E-TRMF model. In *NUCLEAR PHYSICS A*. ISSN 0375-9474, 2019, vol. 987, pp. 222-246., Registrované v: WOS
12. [1.1] SAMMARRUCA, Francesca - MILLERSON, Randy. Nuclear Forces in the Medium: Insight From the Equation of State. In *FRONTIERS IN PHYSICS*. ISSN 2296-424X, 2019, vol. 7, 213., Registrované v: WOS
13. [1.1] TRAUTMANN, W. High Density with Elliptic Flows. In *XIAMEN-CUSTIPEN WORKSHOP ON THE EQUATION OF STATE OF DENSE NEUTRON-RICH MATTER IN THE ERA OF GRAVITATIONAL WAVE ASTRONOMY*. ISSN 0094-243X, 2019, vol. 2127, 020003., Registrované v: WOS
14. [1.1] WANG, Rui - CHEN, Lie-Wen - ZHANG, Zhen. Nuclear collective dynamics in the lattice Hamiltonian Vlasov method. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 99, no. 4, 044609., Registrované v: WOS
15. [1.1] XIE, Wen-Jie - LI, Bao-An. Bayesian Inference of High-density Nuclear Symmetry Energy from Radii of Canonical Neutron Stars. In *ASTROPHYSICAL JOURNAL*. ISSN 0004-637X, 2019, vol. 883, no. 2, 174., Registrované v: WOS
16. [1.1] XU, Jun. Transport approaches for the description of intermediate-energy heavy-ion collisions. In *PROGRESS IN PARTICLE AND NUCLEAR PHYSICS*. ISSN 0146-6410, 2019, vol. 106, pp. 312-359., Registrované v: WOS
17. [1.1] YONG, Gao-Chan - GAO, Yuan - WEI, Gao-Feng - GUO, Ya-Fei - ZUO, Wei. Determination of the density region of the symmetry energy probed by the $\pi(-)/\pi(+)$ ratio. In *JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS*. ISSN 0954-3899, 2019, vol. 46, no. 10, 105105., Registrované v: WOS
18. [1.1] ZHANG, Nai-Bo - LI, Bao-An. Extracting nuclear symmetry energies at high densities from observations of neutron stars and gravitational waves. In *EUROPEAN PHYSICAL JOURNAL A*. ISSN 1434-6001, 2019, vol. 55, no. 3, 39., Registrované v: WOS
19. [1.1] ZHANG, Ying - LIU, Peng - HU, Jinniu. The properties of neutron star in the framework of relativistic Hartree-Fock model with unitary correlation operator method. In *INTERNATIONAL JOURNAL OF MODERN PHYSICS E*. ISSN 0218-3013, 2019, vol. 28, no. 11, 1950094., Registrované v: WOS
20. [1.1] ZHOU, Ying - CHEN, Lie-Wen - ZHANG, Zhen. Equation of state of dense matter in the multimessenger era. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2019, vol. 99, no. 12, 121301., Registrované v: WOS
21. [1.1] ZHOU, Ying - CHEN, Lie-Wen. Ruling Out the Supersoft High-density Symmetry Energy from the Discovery of PSR J0740+6620 with Mass $2.14(-0.09)(+0.10)M(\odot)$. In *ASTROPHYSICAL JOURNAL*. ISSN 0004-637X, 2019, vol. 886, no. 1, 52., Registrované v: WOS

ADCA670

RYBÁŘ, Tomáš - ZIMAN, Mário. Process estimation in the presence of time-invariant memory effects. In *Physical Review A*, 2015, vol. 92, no. 4, 042315. (2014: 2.808 - IF, Q1 - JCR, 2.201 - SJR, Q1 - SJR, karentované - CCC). (2015 - Current

Contents, WOS, SCOPUS). ISSN 1050-2947. Dostupné na:

<https://doi.org/10.1103/PhysRevA.92.042315>

Citácie:

1. [1.1] BENNINK, Ryan S. - LOUGOVSKI, Pavel. *Quantum process identification: a method for characterizing non-markovian quantum dynamics*. In *NEW JOURNAL OF PHYSICS*. ISSN 1367-2630, 2019, vol. 21, 083013.,

Registrované v: WOS

ADCA671

RYBÁR, Tomáš - FILIPPOV, S.N. - ZIMAN, Mário - BUŽEK, Vladimír. *Simulation of indivisible qubit channels in collision models*. In *Journal of Physics B*, 2012, vol. 45, no. 15, 154006. (2011: 1.875 - IF, Q2 - JCR, 1.061 - SJR, Q1 - SJR, karentované - CCC). (2012 - Current Contents). ISSN 0953-4075. Dostupné na: <https://doi.org/10.1088/0953-4075/45/15/154006>

Citácie:

1. [1.1] ARISOY, Onat - CAMPBELL, Steve - MUESTECAPLIOGLU, OEzguer E. *Thermalization of Finite Many-Body Systems by a Collision Model*. In *ENTROPY*, 2019, vol. 21, no. 12, 1182., Registrované v: WOS

2. [1.1] CRESSER, J. D. *Time-reversed quantum trajectory analysis of micromaser correlation properties and fluctuation relations*. In *PHYSICA SCRIPTA*. ISSN 0031-8949, 2019, vol. 94, no. 3, 034005., Registrované v: WOS

3. [1.1] CUEVAS, Alvaro - GERALDI, Andrea - LIORNI, Carlo - BONAVENTA, Luis Diego - DE PASQUALE, Antonella - SCIARRINO, Fabio - GIOVANNETTI, Vittorio - MATALONI, Paolo. *All-optical implementation of collision-based evolutions of open quantum systems*. In *SCIENTIFIC REPORTS*. ISSN 2045-2322, 2019, vol. 9, 3205., Registrované v: WOS

4. [1.1] LEBEDEV, A. V. - LESOVIK, G. B. *H-Theorem for Systems with an Interaction Invariant Distribution Function*. In *LOBACHEVSKII JOURNAL OF MATHEMATICS*. ISSN 1995-0802, 2019, vol. 40, no. 10, pp. 1516-1520., Registrované v: WOS

5. [1.1] MILZ, Simon - KIM, M. S. - POLLOCK, Felix A. - MODI, Kavan. *Completely Positive Divisibility Does Not Mean Markovianity*. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2019, vol. 123, no. 4, 040401., Registrované v: WOS

6. [1.1] PATHAK, Vijay - SHAJI, Anil. *Non-Markovian Open Dynamics from Collision Models*. In *OPEN SYSTEMS & INFORMATION DYNAMICS*. ISSN 1230-1612, 2019, vol. 26, no. 4, 1950018., Registrované v: WOS

7. [1.1] TARANTO, Philip - MILZ, Simon - POLLOCK, Felix A. - MODI, Kavan. *Structure of quantum stochastic processes with finite Markov order*. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2019, vol. 99, no. 4, 042108., Registrované v: WOS

ADCA672

SATO, Yosuke* - MATSUO, Sadashige* - HSU, Chen-Hsuan - STAÑO, Peter - UEDA, Kento - TAKESHIGE, Yuusuke - KAMATA, Hiroshi - LEE, Joon Sue - SHOJAEI, Borzoyeh - WICKRAMASINGHE, Kaushini - SHABANI, Javad - PALMSTRØM, Chris - TOKURA, Yasuhiro - LOSS, Daniel - TARUCHA, Seigo**. *Strong electron-electron interactions of a Tomonaga-Luttinger liquid observed in InAs quantum wires*. In *Physical Review B*, 2019, vol. 99, no. 15, 155304. (2018: 3.736 - IF, Q1 - JCR, 1.502 - SJR, Q1 - SJR, karentované - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.99.155304>

Citácie:

1. [1.1] VAL'KOV, V. V. - MITSKAN, V. A. - ZLOTNIKOV, A. O. - SHUSTIN, M. S. - AKSENOV, S. V. *Occurrence of Topologically Nontrivial Phases, Cascade of Quantum Transitions, and Identification of Majorana Modes in Chiral Superconductors and Nanowires (Scientific Summary)*. In *JETP LETTERS*. ISSN

SCARANI, V. - ZIMAN, Mário - ŠTELMACHOVIČ, Peter - GISIN, N. - BUŽEK, Vladimír. Thermalizing quantum machines: Dissipation and entanglement. In *Physical Review Letters*, 2002, vol. 88, no. 9, p. 097905. (2001: 6.668 - IF, karentované - CCC). (2002 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.88.097905>

Citácie:

1. [1.1] ARISOY, Onat - CAMPBELL, Steve - MUESTECAPLIOGLU, OEzguer E. Thermalization of Finite Many-Body Systems by a Collision Model. In *ENTROPY*, 2019, vol. 21, no. 12, 1182., Registrované v: WOS
2. [1.1] BAUMER, Elisa - PERARNAU-LLOBET, Marti - KAMMERLANDER, Philipp - WILMING, Henrik - RENNER, Renato. Imperfect Thermalizations Allow for Optimal Thermodynamic Processes. In *QUANTUM*. ISSN 2521-327X, 2019, vol. 3., Registrované v: WOS
3. [1.1] CAMPBELL, Steve - CAKMAK, Baris - MUSTECAPLIOGLU, Ozgur E. - PATERNOSTRO, Mauro - VACCHINI, Bassano. Collisional unfolding of quantum Darwinism. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2019, vol. 99, no. 4, 042103., Registrované v: WOS
4. [1.1] CAMPBELL, Steve - POPOVIC, Maria - TAMASCELLI, Dario - VACCHINI, Bassano. Precursors of non-Markovianity. In *NEW JOURNAL OF PHYSICS*. ISSN 1367-2630, 2019, vol. 21, 053036., Registrované v: WOS
5. [1.1] CHERIAN, Prathik J. - CHAKRABORTY, Sagnik - GHOSH, Sibasish. On thermalization of two-level quantum systems. In *EPL*. ISSN 0295-5075, 2019, vol. 126, no. 4, 40003., Registrované v: WOS
6. [1.1] CRESSER, J. D. Time-reversed quantum trajectory analysis of micromaser correlation properties and fluctuation relations. In *PHYSICA SCRIPTA*. ISSN 0031-8949, 2019, vol. 94, no. 3, 034005., Registrované v: WOS
7. [1.1] GRIMMER, Daniel - KEMPF, Achim - MANN, Robert B. - MARTIN-MARTINEZ, Eduardo. Zeno friction and antifriction from quantum collision models. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2019, vol. 100, no. 4, 042702., Registrované v: WOS
8. [1.1] GRIMMER, Daniel - MANN, Robert B. - MARTIN-MARTINEZ, Eduardo. Thermal contact: mischief and time scales. In *JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL*. ISSN 1751-8113, 2019, vol. 52, no. 39, 395305., Registrované v: WOS
9. [1.1] HABECKER, F. - ROEHSE, R. - KLUENER, T. Dissipative quantum dynamics using the stochastic surrogate Hamiltonian approach. In *JOURNAL OF CHEMICAL PHYSICS*. ISSN 0021-9606, 2019, vol. 151, no. 13, 134113., Registrované v: WOS
10. [1.1] HALPERN, Nicole Yungier - WHITE, Christopher David - GOPALAKRISHNAN, Sarang - REFAEL, Gil. Quantum engine based on many-body localization. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2019, vol. 99, no. 2, 024203., Registrované v: WOS
11. [1.1] KARPAT, G. - YALCINKAYA, I - CAKMAK, B. Quantum synchronization in a collision model. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2019, vol. 100, no. 1, 012133., Registrované v: WOS
12. [1.1] KIANVASH, Farzad - FANIZZA, Marco - GIOVANNETTI, Vittorio. Optimal quantum subtracting machine. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2019, vol. 99, no. 5, 052319., Registrované v: WOS
13. [1.1] MALOUF, William T. B. - SANTOS, Jader P. - CORREA, Luis A. - PATERNOSTRO, Mauro - LANDI, Gabriel T. Wigner entropy production and heat transport in linear quantum lattices. In *PHYSICAL REVIEW A*. ISSN 2469-9926,

2019, vol. 99, no. 5, 052104., Registrované v: WOS

14. [1.1] MAN, Zhong-Xiao - XIA, Yun-Jie - LO FRANCO, Rosario. Validity of the Landauer principle and quantum memory effects via collisional models. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2019, vol. 99, no. 4, 042106., Registrované v: WOS

15. [1.1] MAN, Zhong-Xiao - ZHANG, Qi - XIA, Yun-Jie. The effects of system-environment correlations on heat transport and quantum entanglement via collision models. In *QUANTUM INFORMATION PROCESSING*. ISSN 1570-0755, 2019, vol. 18, no. 5, 157., Registrované v: WOS

16. [1.1] MEHBOUDI, Mohammad - PARRONDO, Juan M. R. - ACIN, Antonio. Linear response theory for quantum Gaussian processes. In *NEW JOURNAL OF PHYSICS*. ISSN 1367-2630, 2019, vol. 21, 083036., Registrované v: WOS

17. [1.1] MICADEI, Kaonan - PETERSON, John P. S. - SOUZA, Alexandre M. - SARTHOIR, Roberto S. - OLIVEIRA, Ivan S. - LANDI, Gabriel T. - BATALHAO, Tiago B. - SERRA, Roberto M. - LUTZ, Eric. Reversing the direction of heat flow using quantum correlations. In *NATURE COMMUNICATIONS*. ISSN 2041-1723, 2019, vol. 10, 2456., Registrované v: WOS

18. [1.1] MILZ, Simon - KIM, M. S. - POLLOCK, Felix A. - MODI, Kavan. Completely Positive Divisibility Does Not Mean Markovianity. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2019, vol. 123, no. 4, 040401., Registrované v: WOS

19. [1.1] MOHAMMADY, M. Hamed - ROMITO, Alessandro. Efficiency of a cyclic quantum heat engine with finite-size baths. In *PHYSICAL REVIEW E*. ISSN 2470-0045, 2019, vol. 100, no. 1, 012122., Registrované v: WOS

20. [1.1] PEZZUTTO, Marco - PATERNOSTRO, Mauro - OMAR, Yasser. An out-of-equilibrium non-Markovian quantum heat engine. In *QUANTUM SCIENCE AND TECHNOLOGY*. ISSN 2058-9565, 2019, vol. 4, no. 2, 025002., Registrované v: WOS

21. [1.1] PTASZYNSKI, Krzysztof - ESPOSITO, Massimiliano. Entropy Production in Open Systems: The Predominant Role of Intraenvironment Correlations. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2019, vol. 123, no. 20, 200603., Registrované v: WOS

22. [1.1] RODRIGUES, Franklin L. S. - DE CHIARA, Gabriele - PATERNOSTRO, Mauro - LANDI, Gabriel T. Thermodynamics of Weakly Coherent Collisional Models. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2019, vol. 123, no. 14, 140601., Registrované v: WOS

23. [1.1] SEAH, Stella - NIMMRICHTER, Stefan - SCARANI, Valerio. Nonequilibrium dynamics with finite-time repeated interactions. In *PHYSICAL REVIEW E*. ISSN 2470-0045, 2019, vol. 99, no. 4, 042103., Registrované v: WOS

24. [1.1] TARANTO, Philip - MILZ, Simon - POLLOCK, Felix A. - MODI, Kavan. Structure of quantum stochastic processes with finite Markov order. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2019, vol. 99, no. 4, 042108., Registrované v: WOS

25. [1.1] TURKPENCE, Deniz - AKINCI, Tahir Cetin - SEKER, Serhat. A steady state quantum classifier. In *PHYSICS LETTERS A*. ISSN 0375-9601, 2019, vol. 383, no. 13, pp. 1410-1418., Registrované v: WOS

26. [1.1] ZHANG, Qi - MAN, Zhong-Xiao - XIA, Yun-Jie. Non-Markovianity in the presence of multiple thermal environments via collision model. In *PHYSICS LETTERS A*. ISSN 0375-9601, 2019, vol. 383, no. 21, pp. 2456-2461., Registrované v: WOS

ADCA674 SCARLINO, P. - KAWAKAMI, E. - STAÑO, Peter - SHAFIEI, M. - REICHL, C. - WEGSCHEIDER, W. - VANDERSYPEN, L.M.K. Spin-relaxation anisotropy in a GaAs quantum dot. In *Physical Review Letters*, 2014, vol. 113, no. 25, 256802.

(2013: 7.728 - IF, Q1 - JCR, 5.674 - SJR, karentované - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.113.256802>

Citácie:

1. [1.1] BORJANS, F. - ZAJAC, D. M. - HAZARD, T. M. - PETTA, J. R. *Single-Spin Relaxation in a Synthetic Spin-Orbit Field*. In *PHYSICAL REVIEW APPLIED*. ISSN 2331-7019, 2019, vol. 11, no. 4., Registrované v: WOS
2. [1.1] GAWARECKI, Krzysztof - KRZYKOWSKI, Mateusz. *Spin-orbit coupling and spin relaxation of hole states in [001]- and [111]-oriented quantum dots of various geometry*. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2019, vol. 99, no. 12, 125401., Registrované v: WOS
3. [1.1] TANTTU, Tuomo - HENSEN, Bas - CHAN, Kok Wai - YANG, Chih Hwan - HUANG, Wister Wei - FOGARTY, Michael - HUDSON, Fay - ITOH, Kohei - CULCER, Dimitrie - LAUCHT, Arne - MORELLO, Andrea - DZURAK, Andrew. *Controlling Spin-Orbit Interactions in Silicon Quantum Dots Using Magnetic Field Direction*. In *PHYSICAL REVIEW X*. ISSN 2160-3308, 2019, vol. 9, no. 2, 021028., Registrované v: WOS

ADCA675 SEDLÁK, Michal - ZIMAN, Mário - PRIBYLA, O. - BUŽEK, Vladimír - HILLERY, M. Unambiguous identification of coherent states: Searching a quantum database. In *Physical Review A*, 2007, vol. 76, no. 2, 022326. (2006: 3.047 - IF, Q1 - JCR, 1.834 - SJR, Q1 - SJR, karentované - CCC). (2007 - Current Contents, WOS, SCOPUS). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.76.022326>

Citácie:

1. [1.1] KUBICKI, Aleksander M. - PALAZUELOS, Carlos - PEREZ-GARCIA, David. *Resource Quantification for the No-Programming Theorem*. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2019, vol. 122, no. 8, 080505., Registrované v: WOS

ADCA676 SEDLÁK, Michal** - BISIO, Alessandro - ZIMAN, Mário. Optimal Probabilistic Storage and Retrieval of Unitary Channels. In *Physical Review Letters*, 2019, vol. 122, no. 17, 170502. (2018: 9.227 - IF, Q1 - JCR, 3.571 - SJR, Q1 - SJR, karentované - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.122.170502>

Citácie:

1. [1.1] MO, Yin - CHIRIBELLA, Giulio. *Quantum-enhanced learning of rotations about an unknown direction*. In *NEW JOURNAL OF PHYSICS*. ISSN 1367-2630, 2019, vol. 21, no. 11, 113003., Registrované v: WOS
2. [1.1] QUINTINO, Marco Tulio - DONG, Qingxiuxiong - SHIMBO, Atsushi - SOEDA, Akihito - MURAO, Mio. *Probabilistic exact universal quantum circuits for transforming unitary operations*. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2019, vol. 100, no. 6, 062339., Registrované v: WOS
3. [1.1] QUINTINO, Marco Tulio - DONG, Qingxiuxiong - SHIMBO, Atsushi - SOEDA, Akihito - MURAO, Mio. *Reversing Unknown Quantum Transformations: Universal Quantum Circuit for Inverting General Unitary Operations*. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2019, vol. 123, no. 21, 210502., Registrované v: WOS

ADCA677 SEDLÁK, Michal - ZIMAN, Mário. Optimal single-shot strategies for discrimination of quantum measurements. In *Physical Review A*, 2014, vol. 90, no. 5, 052312. (2013: 2.991 - IF, Q1 - JCR, 2.317 - SJR, karentované - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.90.052312>

Citácie:

1. [1.1] GYONGYOSI, Laszlo - IMRE, Sandor. A Survey on quantum computing technology. In *COMPUTER SCIENCE REVIEW*. ISSN 1574-0137, 2019, vol. 31, pp. 51-71., Registrované v: WOS

2. [1.1] OSZMANIEC, Michal - MACIEJEWSKI, Filip B. - PUCHALA, Zbigniew. Simulating all quantum measurements using only projective measurements and postselection. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2019, vol. 100, no. 1, 012351., Registrované v: WOS

ADCA678 SELIVERSTOV, M.D. - COCOLIOS, T.E. - DEXTERS, W. - ANDREYEV, A.E. - ANTALIC, S. - BARZAKH, A.E. - BASTIN, B. - BUSCHER, J. - DARBY, I.G. - FEDOROV, D.V. - FEDOSSEEV, V.N. - FLANAGAN, K.T. - FRANCHOO, S. - HUBER, G. - HUYSE, M. - KEUPERS, M. - KOSTER, U. - KUDRYAVTSEV, Yu. - MARSH, B.A. - MOLKANOV, P.L. - PAGE, R.D. - SJODIN, A.M. - STEFAN, I. - VAN DUPPEN, P. - VENHART, Martin - ZEMLYANOY, S.G. Electromagnetic moments of odd-A Po-193-203, Po-211 isotopes. In *Physical Review C*, 2014, vol. 89, no. 3, 034323. (2013: 3.881 - IF, karentované - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.89.034323>

Citácie:

1. [1.1] FINK, D. A. - BLAUM, K. - FEDOSSEEV, V. N. - MARSH, B. A. - ROSSEL, R. E. - ROTHE, S. Determination of the first ionization energy of polonium by resonance ionization spectroscopy Part II: Measurement of odd-parity Rydberg states at CERN-ISOLDE. In *SPECTROCHIMICA ACTA PART B-ATOMIC SPECTROSCOPY*. ISSN 0584-8547, 2019, vol. 151, pp. 72-82., Registrované v: WOS

2. [1.1] SHOHANI, S. - KARDAN, A. Shape coexistence in even-even Po isotopic chain. In *INTERNATIONAL JOURNAL OF MODERN PHYSICS E*. ISSN 0218-3013, 2019, vol. 28, no. 10, 1950086., Registrované v: WOS

ADCA679 SHEPA, Ivan** - MÚDRA, Erika - VOJTKO, Marek - MILKOVIČ, Ondrej - DANKOVÁ, Zuzana - ANTAL, Vitaliy - ANNUŠOVÁ, Adriana - MAJKOVÁ, Eva - DUSZA, Ján. Influence of the polymer precursor blend composition on the morphology of the electrospun oxide ceramic fibers. In *Results in Physics*, 2019, vol. 13, no. 10, 102243. (2018: 3.042 - IF, Q1 - JCR, 0.452 - SJR, Q2 - SJR, karentované - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 2211-3797. Dostupné na: <https://doi.org/10.1016/j.rinp.2019.102243>

Citácie:

1. [1.1] NUGROHO, Doni B. - RIANJANU, Aditya - TRIYANA, Kuwat - KUSUMAATMAJA, Ahmad - ROTO, Roto. Quartz crystal microbalance-coated cellulose acetate nanofibers overlaid with chitosan for detection of acetic anhydride vapor. In *RESULTS IN PHYSICS*. ISSN 2211-3797, 2019, vol. 15., Registrované v: WOS

ADCA680 SCHAUER, F.** - NÁDAŽDY, Vojtech - GMUCOVÁ, Katarína. Electrochemical impedance spectroscopy for study of electronic structure in disordered organic semiconductors-Possibilities and limitations. In *Journal of Applied Physics*, 2018, vol. 123, no. 16, art. no. 161590. (2017: 2.176 - IF, Q2 - JCR, 0.739 - SJR, Q2 - SJR, karentované - CCC). (2018 - Current Contents). ISSN 0021-8979. Dostupné na: <https://doi.org/10.1063/1.5008830>

Citácie:

1. [1.1] KARKI, Akchheta - WETZELAER, Gert-Jan A. H. - REDDY, Gollapalli Narayana Manjunatha - NADAZDY, Vojtech - SEIFRID, Martin - SCHAUER, Franz - BAZAN, Guillermo C. - CHMELKA, Bradley F. - BLOM, Paul W. M. - THUC-QUYEN NGUYEN. Unifying Energetic Disorder from Charge Transport and Band Bending in Organic Semiconductors. In *ADVANCED FUNCTIONAL*

MATERIALS. ISSN 1616-301X, 2019, vol. 29, no. 20, 1901109., Registrované v: WOS

2. [1.1] WEBER, Michelle - WESTENDORF, Sophia - MAERKER, Bjoern - BRAUN, Kai - SCHEELE, Marcus. Opportunities and challenges for electrochemistry in studying the electronic structure of nanocrystals. In *PHYSICAL CHEMISTRY CHEMICAL PHYSICS. ISSN 1463-9076, 2019, vol. 21, no. 18, pp. 8992-9001., Registrované v: WOS*

- ADCA681 SCHAUER, F. - TKÁČOVÁ, M. - NÁDAŽDY, Vojtech - GMUCOVÁ, Katarína - OŽVOLDOVÁ, M. - TKÁČ, L. - CHLPÍK, J. Electronic structure of UV degradation defects in polysilanes studied by energy resolved- electrochemical impedance spectroscopy. In *Polymer Degradation and Stability, 2016, vol. 126, p. 204-208. (2015: 3.120 - IF, Q1 - JCR, 1.209 - SJR, Q1 - SJR, karentované - CCC). (2016 - Current Contents). ISSN 0141-3910. Dostupné na: <https://doi.org/10.1016/j.polymdegradstab.2016.02.016>*

Citácie:

1. [1.1] MEENU, Km - BAG, Dibyendu S. - LAGARKHA, Rekha - TOMAR, Radha - GUPTA, Arvind K. Functional Polysilanes and their Optical, Chiroptical and Photoluminescence Properties. In *CURRENT ORGANOCATALYSIS. ISSN 2213-3372, 2019, vol. 6, no. 3, pp. 193-221., Registrované v: WOS*

- ADCA682 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.*

Citácie:

1. [1.1] SANTONOCITO, D. - BLUMENFELD, Y. - MAIOLINO, C. - ALBA, R. - BELLIA, G. - CONIGLIONE, R. - DEL ZOPPO, A. - MIGNECO, E. - PIATTELLI, P. - SAPIENZA, P. - AUDITORE, L. - CARDELLA, G. - DE FILIPPO, E. - LA GUIDARA, E. - MONROZEAU, C. - PAPA, M. - PIRRONE, S. - RIZZO, F. - TRIFIRO, A. - TRIMARCHI, M. - HUANG, H. X. - WIELAND, O. MAPPING THE GDR QUENCHING IN NUCLEI OF MASS $A = 120-132$. In *ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2019, vol. 50, no. 3, pp. 451-460., Registrované v: WOS*

2. [1.1] ZHANG, Fan - LI, Cheng - WEN, Pei-Wei - LIU, Jian-Wei - SU, Jun - ZHANG, Feng-Shou. Time dependence of the thermal-photon thermometer. In *PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 2, 024603., Registrované v: WOS*

- ADCA683 SIDOROV, V. - ŠVEC, Peter - JANIČKOVIČ, Dušan - MIKHAILOV, V. - SON, L. Magnetic properties and crystallization behavior of Al-Co-Ce(Dy) amorphous ribbons. In *Journal of Magnetism and Magnetic Materials, 2015, vol. 395, p. 324-328. (2014: 1.970 - IF, Q2 - JCR, 0.815 - SJR, Q1 - SJR, karentované - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 0304-8853. Dostupné na: <https://doi.org/10.1016/j.jmmm.2015.07.072>*

Citácie:

1. [1.1] LV, Zheng - MAO, Changhui - WANG, Jian - LIANG, Qiushi - MA, Shuwang - YANG, Zhimin - YANG, Jian - LI, Yang. Interfacial Microstructure in W/2024Al Composite and Inhibition of W-Al Direct Reaction by CeO₂ Doping: Formation and Crystallization of Al-Ce-Cu-W Amorphous Layers. In *MATERIALS. ISSN 1996-1944, 2019, vol. 12, no. 7, 1117., Registrované v: WOS*

- ADCA684 SIDOROV, V. - ŠVEC, Peter Jr. - ŠVEC, Peter - JANIČKOVIČ, Dušan - MIKHAILOV, V. - SIDOROVA, E. - SON, L. Electric and magnetic properties of Al₈₆Ni₈R₆ (R=Sm, Gd, Ho) alloys in liquid and amorphous states. In Journal of Magnetism and Magnetic Materials, 2016, vol. 408, p. 35-40. (2015: 2.357 - IF, Q2 - JCR, 0.730 - SJR, Q1 - SJR, karentované - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 0304-8853. Dostupné na: <https://doi.org/10.1016/j.jmmm.2016.02.021>
- Citácie:
1. [1.1] CUEVAS, F. G. - LOZANO-PEREZ, S. - ARANDA, R. M. - CABALLERO, E. S. Crystallisation of amorphous Al-Sm-Ni-(Cu) alloys. In INTERMETALLICS. ISSN 0966-9795, 2019, vol. 112, UNSP 106537., Registrované v: WOS
 2. [1.1] DUAN, Xiu-Li - SUN, Ji-Bing - WANG, Li-Zhu - GUO, Kai - CUI, Chun-Xiang. Structure and magnetic properties of Sm₁₅Co_{70-x}Fe₁₀B₅Al_x ribbons. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2019, vol. 489, 165450., Registrované v: WOS
 3. [1.1] KERLI, S. - ALVER, U. - GOGEBAKAN, M. Investigation of The Effect of Annealing on Resistivity in Aluminum-based Amorphous Alloys. In PHYSICS AND CHEMISTRY OF SOLID STATE. ISSN 1729-4428, 2019, vol. 20, no. 4, pp. 391-395., Registrované v: WOS
 4. [1.1] UPOROV, S. - BYKOV, V. - ESTEMIROVA, S. - MELCHAKOV, S. - RYLTSEV, R. Electronic transport in equiatomic CuZrNiTi alloy. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2019, vol. 770, pp. 1164-1172., Registrované v: WOS
- ADCA685 SILVEYRA, J.M. - CREMASCHI, V.J. - JANIČKOVIČ, Dušan - ŠVEC, Peter - ARCONDO, B. Structural and magnetic study of Mo-doped FINEMET. In Journal of Magnetism and Magnetic Materials, 2011, vol. 323, no. 3-4, p. 290-296. (2010: 1.690 - IF, Q2 - JCR, 0.936 - SJR, Q1 - SJR, karentované - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 0304-8853. Dostupné na: <https://doi.org/10.1016/j.jmmm.2010.09.019>
- Citácie:
1. [1.1] TSEPELEV, V. S. - STARODUBTSEV, Yu N. - WU, K. M. Influence of Ni on crystallization and magnetic properties of Fe_{72.5-x}Ni_xCu₁Nb₂Mo_{1.5}Si₁₄B₉ alloys. In JOURNAL OF CRYSTAL GROWTH. ISSN 0022-0248, 2019, vol. 528, UNSP 125256., Registrované v: WOS
- ADCA686 SILVEYRA, J.M. - MOYA, J.A. - CREMASCHI, V.J. - JANIČKOVIČ, Dušan - ŠVEC, Peter. Structure and soft magnetic properties of FINEMET type alloys: Fe_{73.5}Si_{13.5}Nb_{3-x}Mo_xB₉Cu₁ (x=1.5, 2). In Hyperfine Interactions, 2009, vol. 195, p. 173-177. (2008: 0.340 - SJR, Q3 - SJR, karentované - CCC). (2009 - Current Contents, SCOPUS). ISSN 0304-3843. Dostupné na: <https://doi.org/10.1007/s10751-009-0116-4>
- Citácie:
1. [1.1] LUO TING - YANG YUANZHENG - FAN CHENFENG - XIE ZHIWEI - XU JIA - WANG GUOTAI. Crystallization behavior and magnetic properties for the Fe-73(Si_{0.64}B_{0.27}P_{0.09})(23+x)Cu₁Nb_{3-x} (x=0, 1 and 2) alloys. In PHYSICA B-CONDENSED MATTER. ISSN 0921-4526, 2019, vol. 557, pp. 99-102., Registrované v: WOS
- ADCA687 SILVEYRA, J.M. - VLASÁK, Gabriel - ŠVEC, Peter - JANIČKOVIČ, Dušan - CREMASCHI, V.J. Domain imaging in FINEMET ribbons. In Journal of Magnetism and Magnetic Materials, 2010, vol. 322, no. 18, p. 2797-2800. (2009: 1.204 - IF, Q2 - JCR, 0.844 - SJR, Q2 - SJR, karentované - CCC). (2010 - Current Contents, WOS, SCOPUS). ISSN 0304-8853. Dostupné na: <https://doi.org/10.1016/j.jmmm.2010.04.030>

Citácie:

1. [1.1] ROSALES-RIVERA, A. - GONZALEZ-SANCHEZ, R. - HERNANDEZ-PARRA, J. C. - VELASQUEZ-SALAZAR, A. - SACCONI, F. D. Shifting from Ising model to Heisenberg model critical behavior and the departure from these models in $Fe_{73.5-x}Cr_xCu_1Nb_3Si_{13.5}B_9$. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2019, vol. 482, pp. 251-261.,

Registrované v: WOS

ADCA688 SILVEYRA, J.M. - ILLEKOVÁ, Emília - ŠVEC, Peter - JANIČKOVIČ, Dušan - ROSALES-RIVERA, A. - CREMASCHI, V.J. Phase transformations in Mo-doped FINEMETs. In Physica B, 2010, vol. 405, no. 12, p. 2720-2725. (2009: 1.056 - IF, Q3 - JCR, 0.608 - SJR, Q2 - SJR, karentované - CCC). (2010 - Current Contents). ISSN 0921-4526. Dostupné na: <https://doi.org/10.1016/j.physb.2010.03.061>

Citácie:

1. [1.1] LUO TING - YANG YUANZHENG - FAN CHENFENG - XIE ZHIWEI - XU JIA - WANG GUOTAI. Crystallization behavior and magnetic properties for the $Fe-73(Si_{0.64}B_{0.27}P_{0.09})(23+x)Cu_1Nb_{3-x}$ ($x=0, 1$ and 2) alloys. In PHYSICA B-CONDENSED MATTER. ISSN 0921-4526, 2019, vol. 557, pp. 99-102.,

Registrované v: WOS

2. [1.1] TSEPELEV, V. S. - STARODUBTSEV, Yu N. - WU, K. M. Influence of Ni on crystallization and magnetic properties of $Fe_{72.5-x}Ni_xCu_1Nb_2Mo_{1.5}Si_{14}B_9$ alloys. In JOURNAL OF CRYSTAL GROWTH. ISSN 0022-0248, 2019, vol. 528, UNSP 125256., Registrované v: WOS

ADCA689 SILVEYRA, J.M. - ILLEKOVÁ, Emília. Effects of air annealing on Fe-Si-B-M-Cu (M=Nb, Mo) alloys. In Journal of Alloys and Compounds, 2014, vol. 610, p. 180-183. (2013: 2.726 - IF, Q1 - JCR, 1.064 - SJR, karentované - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 0925-8388. Dostupné na: <https://doi.org/10.1016/j.jallcom.2014.04.147>

Citácie:

1. [1.1] XIAO, Huiyun - DONG, Yaqiang - HE, Aina - SUN, Hao - WANG, Anding - LI, Hu - LIU, Lei - LIU, Xincan - LI, Run-wei. Magnetic softness and magnetization dynamics of $FeSiBNbCu(P,Mo)$ nanocrystalline alloys with good high-frequency characterization. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2019, vol. 478, pp. 192-197.,

Registrované v: WOS

2. [1.1] ZHOU, L. - WANG, G. T. - ZHENG, L. B. - YANG, Y. Z. Effects on Glass Forming Ability, Microstructure, Crystallization Behaviors, and Magnetic Properties of Si Substituting for P in Fe-Rich $Fe_{86}B_{13-x}Si_xP_1Cu_{0.6}Hf_{0.4}$ Alloys. In JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM. ISSN 1557-1939, 2019, vol. 32, no. 2, pp. 431-439., Registrované v: WOS

ADCA690 SILVEYRA, J. M. - ILLEKOVÁ, Emília - COISSON, M. - CELEGATO, F. - VINAI, F. - TIBERTO, P. - MOYA, J. A. - CREMASCHI, V. J. High performance of low cost soft magnetic materials. In Bulletin of Materials Science, 2011, vol. 34, no. 7, pp. 1407-1413. (2010: 0.944 - IF, Q3 - JCR, 0.495 - SJR, Q2 - SJR, karentované - CCC). (2011 - Current Contents). ISSN 0250-4707. Dostupné na: <https://doi.org/10.1007/s12034-011-0336-5>

Citácie:

1. [1.1] MA, Rui - YU, Kaiping - LIU, Litao - JIANG, Heng - YE, Shulong - YU, Peng. Effects of Fe_3P Addition on Sintering Behaviors and Magnetic Properties of Fe-P Alloys Sintered at Low Temperatures. In METALS. ISSN 2075-4701, 2019, vol. 9, no. 3, 321., Registrované v: WOS

2. [1.1] MASOOD, Ansar - BAGHBADERANI, Hasan Ahmadian - STROM, Valter - STAMENOV, Plamen - MCCLOSKEY, Paul - MATHUNA, Cian O. -

KULKARNI, Santosh. Fabrication and soft magnetic properties of rapidly quenched Co-Fe-B-Si-Nb ultra-thin amorphous ribbons. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2019, vol. 483, pp. 54-58., Registrované v: WOS

ADCA691 SIMON, C. - BUŽEK, Vladimír - GISIN, N. No-signaling condition and quantum dynamics. In Physical Review Letters, 2001, vol. 87, no. 17, 170405. (2000: 6.462 - IF, karentované - CCC). (2001 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.87.170405>

Citácie:

1. [1.1] CUESTA, Javier - WOLF, Michael M. Are almost-symmetries almost linear? In JOURNAL OF MATHEMATICAL PHYSICS. ISSN 0022-2488, 2019, vol. 60, no. 8, 082101., Registrované v: WOS

2. [1.1] JU, Chia-Yi - MIRANOWICZ, Adam - CHEN, Guang-Yin - NORI, Franco. Non-Hermitian Hamiltonians and no-go theorems in quantum information. In PHYSICAL REVIEW A. ISSN 1050-2947, 2019, vol. 100, no. 6, 062118., Registrované v: WOS

3. [1.1] MAIMONE, Filippo - SCENZA, Giovanni - NADDEO, Adele. A natural cure for causality violations in Newton Schrodinger equation. In PHYSICA SCRIPTA. ISSN 0031-8949, 2019, vol. 94, no. 7, 075001., Registrované v: WOS

ADCA692 SIMON, E.** - RÓZSA, L. - PALOTÁS, Krisztián - SZUNYOGH, L. Magnetism of a Co monolayer on Pt(111) capped by overlayers of 5d elements: A spin-model study. In Physical Review B, 2018, vol. 97, no. 13, 134405. (2017: 3.813 - IF, Q2 - JCR, 1.176 - SJR, Q1 - SJR, karentované - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.97.134405>

Citácie:

1. [1.1] GOEBEL, Boerge - MOOK, Alexander - HENK, Juergen - MERTIG, Ingrid. Overcoming the speed limit in skyrmion racetrack devices by suppressing the skyrmion Hall effect. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 99, no. 2, 020405., Registrované v: WOS

2. [1.1] GOEBEL, Boerge - SCHAEFFER, Alexander F. - BERAKDAR, Jamal - MERTIG, Ingrid - PARKIN, Stuart S. P. Electrical writing, deleting, reading, and moving of magnetic skyrmioniums in a racetrack device. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2019, vol. 9, 12119., Registrované v: WOS

3. [1.1] MA, Chung T. Ing - XIE, Yunkun - SHENG, Howard - GHOSH, Avik W. - POON, S. Joseph. Robust Formation of Ultrasmall Room-Temperature Neel Skyrmions in Amorphous Ferrimagnets from Atomistic Simulations. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2019, vol. 9, 9964., Registrované v: WOS

4. [1.1] ZIMMERMANN, Bernd - BIHLMAYER, Gustav - BOETTCHER, Marie - BOUHASSOUNE, Mohammed - LOUNIS, Samir - SINOVA, Jairo - HEINZE, Stefan - BLUEGEL, Stefan - DUPE, Bertrand. Comparison of first-principles methods to extract magnetic parameters in ultrathin films: Co/Pt(111). In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 99, no. 21, 214426., Registrované v: WOS

ADCA693 SIMON, E.* - YANES, R.* - KHMELEVSKYI, K.* - PALOTÁS, Krisztián* - SZUNYOGH, L.* - NOWAK, U.*. Magnetism and exchange-bias effect at the MnN/Fe interface. In Physical Review B, 2018, vol. 98, no. 9, 094415. (2017: 3.813 - IF, Q2 - JCR, 1.176 - SJR, Q1 - SJR, karentované - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.98.094415>

Citácie:

1. [1.1] SINCLAIR, J. - HIROHATA, A. - VALLEJO-FERNANDEZ, G. - MEINERT, M. - O';GRADY, K. *Thermal stability of exchange bias systems based on MnN. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2019, vol. 476, pp. 278-283., Registrované v: WOS*
- ADCA694 SIMSEK, Esra Bilgin - NOVÁK, Ivan - ŠAUŠA, Ondrej - BEREK, Dušan. Microporous carbon fibers prepared from cellulose as efficient sorbents for removal of chlorinated phenols. In *Research on Chemical Intermediates*, 2017, vol. 43, no. 1, p. 503-522. (2016: 1.369 - IF, Q3 - JCR, 0.286 - SJR, Q3 - SJR, karentované - CCC). (2017 - Current Contents). ISSN 0922-6168. Dostupné na: <https://doi.org/10.1007/s11164-016-2637-1>
- Citácie:
1. [1.1] LI, D.N. - LI, J.N. - MA, X.J. *SUSTAINABLE ACTIVATED CARBON HOLLOW FIBERS FROM LIQUEFIED RUBBER WOOD (HEVEA BRASILIENSIS) AND ITS ADSORPTION OF ORGANIC MATTER FROM SOLUTION. In WOOD RESEARCH. ISSN 1336-4561, 2019, vol. 64, no. 2, p. 317-324., Registrované v: WOS*
2. [1.1] UCAR, M. *Adsorption of chlorophenolic compounds on activated clinoptilolite. In ADSORPTION SCIENCE & TECHNOLOGY. ISSN 0263-6174, OCT 2019, vol. 37, no. 7-8, p. 664-679., Registrované v: WOS*
3. [1.1] ZHOU, B. - QI, N. - WANG, B. - CHEN, Z.Q. *Effect of swelling agent on the pore structure of SBA-15 studied by positron annihilation. In APPLIED SURFACE SCIENCE. ISSN 0169-4332, MAY 1 2019, vol. 475, p. 961-968., Registrované v: WOS*
4. [1.1] ZHOU, L.Q. - XU, Z.J. - YI, K. - HUANG, Q.Y. - CHAI, K.G. - TONG, Z.F. - JI, H.B. *Efficient remediation of 2,4-dichlorophenol from aqueous solution using beta-cyclodextrin-based submicron polymeric particles. In CHEMICAL ENGINEERING JOURNAL. ISSN 1385-8947, MAR 15 2019, vol. 360, p. 531-541., Registrované v: WOS*
- ADCA695 SKÁKALOVÁ, V. - VRETENÁR, Viliam - KOPERA, Ľubomír - KOTRUSZ, P. - MANGLER, C. - MEŠKO, M. - MEYER, J.C. - HULMAN, Martin. Electronic transport in composites of graphite oxide with carbon nanotubes. In *Carbon*, 2014, vol. 72, p. 224-232. (2013: 6.160 - IF, Q1 - JCR, 2.292 - SJR, karentované - CCC). (2014 - Current Contents). ISSN 0008-6223. Dostupné na: <https://doi.org/10.1016/j.carbon.2014.02.006>
- Citácie:
1. [1.1] KARACHEVTSEV, V. A. - KURNOSOV, N. V. *The temperature dependence of electron transport in a composite film of graphene oxide with single-wall carbon nanotubes: an analysis and comparison with a nanotube film. In LOW TEMPERATURE PHYSICS. ISSN 1063-777X, 2019, vol. 45, no. 10, pp. 1109-1116., Registrované v: WOS*
2. [1.1] KHARISSOVA, Oxana V. - KHARISOV, Boris I. - OLIVA GONZALEZ, Cesar M. *Carbon-Carbon Allotropic Hybrids and Composites: Synthesis, Properties, And Applications. In INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH. ISSN 0888-5885, 2019, vol. 58, no. 10, pp. 3921-3948., Registrované v: WOS*
3. [1.2] LOGANATHAN, A. - SIVAKUMAR, A. - MURUGESAN, B. - SIVAKUMAR, P. *Solar light active CeO₂/rGO hybrid photocatalyst for direct violet 51 degradation. In Rasayan Journal of Chemistry. ISSN 09741496, 2019, vol. 12, no. 4, pp. 1710-1724., Registrované v: SCOPUS*
- ADCA696 SKÁKALOVÁ, Viera** - KOTRUSZ, Peter - JERGEL, Matej - SUSI, Toma - MITTELBERGER, Andreas - VRETENÁR, Viliam - ŠIFFALOVIČ, Peter - KOTAKOSKI, Jani - MEYER, Jannik C. - HULMAN, Martin. Chemical oxidation

of graphite: Evolution of the structure and properties. In *Journal of Physical Chemistry C*, 2018, vol. 122, no. 1, p. 929-935. (2017: 4.484 - IF, Q1 - JCR, 2.135 - SJR, Q1 - SJR, karentované - CCC). (2018 - Current Contents). ISSN 1932-7447. Dostupné na: <https://doi.org/10.1021/acs.jpcc.7b10912>

Citácie:

1. [1.1] CHAI, Wai Siong - CHEAH, Kean How - MENG, Hua - LI, Gang. *Experimental and analytical study on electrolytic decomposition of HAN-water solution using graphite electrodes. In JOURNAL OF MOLECULAR LIQUIDS. ISSN 0167-7322, 2019, vol. 293, 111496., Registrované v: WOS*
2. [1.1] KAMALI, Ali Reza - YANG, Jigang - SUN, Qiang. *Molten salt conversion of polyethylene terephthalate waste into graphene nanostructures with high surface area and ultra-high electrical conductivity. In APPLIED SURFACE SCIENCE. ISSN 0169-4332, 2019, vol. 476, pp. 539-551., Registrované v: WOS*
3. [1.1] LAVIN-LOPEZ, M. P. - PATON-CARRERO, A. - MUNOZ-GARCIA, N. - ENGUILO, V - VALVERDE, J. L. - ROMERO, A. *The influence of graphite particle size on the synthesis of graphene-based materials and their adsorption capacity. In COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS. ISSN 0927-7757, 2019, vol. 582, 123935., Registrované v: WOS*
4. [1.1] LI, Yuchao - LIAO, Chengzhu - TJONG, Sie Chin. *Synthetic Biodegradable Aliphatic Polyester Nanocomposites Reinforced with Nanohydroxyapatite and/or Graphene Oxide for Bone Tissue Engineering Applications. In NANOMATERIALS. ISSN 2079-4991, 2019, vol. 9, no. 4, 590., Registrované v: WOS*
5. [1.1] LUO, D. - ZHANG, F. - REN, Z. - REN, W. - YU, L. - JIANG, L. - REN, B. - WANG, L. - WANG, Z. - YU, Y. - ZHANG, Q. - REN, Z. *An improved method to synthesize nanoscale graphene oxide using much less acid. In MATERIALS TODAY PHYSICS. ISSN 2542-5293, 2019, vol. 9, UNSP 100097., Registrované v: WOS*
6. [1.1] PAZARCEVIREN, Ahmet Engin - EVIS, Zafer - KESKIN, Dilek - TEZCANER, Aysen. *Resorbable PCEC/gelatin-bismuth doped bioglass-graphene oxide bilayer membranes for guided bone regeneration. In BIOMEDICAL MATERIALS. ISSN 1748-6041, 2019, vol. 14, no. 3, 035018., Registrované v: WOS*
7. [1.1] SUN, Ling. *Structure and synthesis of graphene oxide. In CHINESE JOURNAL OF CHEMICAL ENGINEERING. ISSN 1004-9541, 2019, vol. 27, no. 10, pp. 2251-2260., Registrované v: WOS*
8. [1.1] YADAV, Nisha - KALLUR, Vedha - CHAKRABORTY, Dwaipayan - JOHARI, Priya - LOCHAB, Bimlesh. *Control of Functionalities in GO: Effect of Bronsted Acids as Supported by Ab Initio Simulations and Experiments. In ACS OMEGA. ISSN 2470-1343, 2019, vol. 4, no. 5, pp. 9407-9418., Registrované v: WOS*
9. [1.2] MAJUMDAR, Dipanwita. *Ultrasound-Assisted Synthesis, Exfoliation and Functionalisation of Graphene Derivatives. In Carbon Nanostructures. ISSN 21913005, 2019-01-01, pp. 63-103., Registrované v: SCOPUS*

ADCA697

SKODA, David** - URBANEK, Pavel - SEVCIK, Jakub - MUNSTER, Lukas - NÁDAŽDY, Vojtech - CULLEN, David A. - BAZANT, Pavel - ANTOS, Jan - KURITKA, Ivo. *Colloidal cobalt-doped ZnO nanoparticles by microwave-assisted synthesis and their utilization in thin composite layers with MEH-PPV as an electroluminescent material for polymer light emitting diodes. In Organic Electronics, 2018, vol. 59, p. 337-348. (2017: 3.680 - IF, Q1 - JCR, 1.085 - SJR, Q1 - SJR, karentované - CCC). (2018 - Current Contents). ISSN 1566-1199. Dostupné*

na: <https://doi.org/10.1016/j.orgel.2018.05.037>

Citácie:

1. [1.1] IQBAL, Tahir - IRFAN, M. - RAMAY, Shahid M. - GAITHAN, Hamid M. - MAHMOOD, Asif - SALEEM, Murtaza. Investigations on ZnO/polymer nanocomposite thin film for polymer based devices. In MATERIALS RESEARCH EXPRESS. ISSN 2053-1591, 2019, vol. 6, no. 7, 075322., Registrované v: WOS

2. [1.1] SELLAIAN, S. - UEDONO, A. - DEVI, L. Vimala - SIVAJI, K. Er3+ induced point defects in ZnO and impact of Li+/Na+/K+ on the vacancy defects in ZnO:Er studied by positron annihilation spectroscopy. In APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING. ISSN 0947-8396, 2019, vol. 125, no. 8, 497., Registrované v: WOS

ADCA698 SLEVIN, Keith - MARKOŠ, Peter - OHTSUKI, Tomi. Scaling of the conductance distribution near the Anderson transition. In Physical Review B, 2003, vol. 67, no. 15, 155106. (2002: 3.327 - IF, karentované - CCC). (2003 - Current Contents). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.67.155106>

Citácie:

1. [1.1] CHEN, Weiwei - WANG, C. - SHI, Qinwei - LI, Qunxiang - WANG, X. R. Metal to marginal-metal transition in two-dimensional ferromagnetic electron gases. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 100, no. 21, 214201., Registrované v: WOS

2. [1.1] SKIPETROV, S. E. - SOKOLOV, I. M. Search for Anderson localization of light by cold atoms in a static electric field. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 99, no. 13, 134201., Registrované v: WOS

ADCA699 SLEVIN, Keith - MARKOŠ, Peter - OHTSUKI, Tomi. Reconciling Conductance Fluctuations and the Scaling Theory of Localization. In Physical Review Letters, 2001, vol. 86, no. 16, p. 3594-3597. (2000: 6.462 - IF, karentované - CCC). (2001 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.86.3594>

Citácie:

1. [1.1] KJELLSTADLI, Jonas T. - BERING, Eivind - HENDRICK, Martin - PRADHAN, Srutarshi - HANSEN, Alex. Can Local Stress Enhancement Induce Stability in Fracture Processes? Part I: Apparent Stability. In FRONTIERS IN PHYSICS. ISSN 2296-424X, 2019, vol. 7, 105., Registrované v: WOS

2. [1.1] SKIPETROV, S. E. - SOKOLOV, I. M. Search for Anderson localization of light by cold atoms in a static electric field. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 99, no. 13, 134201., Registrované v: WOS

3. [1.1] SUTRADHAR, Jagannath - MUKERJEE, Subroto - PANDIT, Rahul - BANERJEE, Sumilan. Transport, multifractality, and the breakdown of single-parameter scaling at the localization transition in quasiperiodic systems. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 99, no. 22, 224204., Registrované v: WOS

ADCA700 SMITH, D.R. - SCHULTZ, S. - MARKOŠ, Peter - SOUKOULIS, C.M. Determination of effective permittivity and permeability of metamaterials from reflection and transmission coefficients. In Physical Review B, 2002, vol. 65, no. 19, 195104. (2001: 3.070 - IF, karentované - CCC). (2002 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.65.195104>

Citácie:

1. [1.1] ABBAS, Mohammed Nadhim - KHALEEL, Farooq Abdulghafoor. Wide-range tunable subwavelength band-stop filter for the far-infrared wavelengths based on single-layer graphene sheet. In UKRAINIAN JOURNAL OF PHYSICAL OPTICS. ISSN 1609-1833, 2019, vol. 20, no. 1, pp. 37-45., Registrované v: WOS

2. [1.1] AGHIGHI, Fateme - MORRIS, Joshua - AMIRKHIZI, Alireza V. Low-frequency micro-structured mechanical metamaterials. In *MECHANICS OF MATERIALS*. ISSN 0167-6636, 2019, vol. 130, pp. 65-75., Registrované v: WOS
3. [1.1] AL-BEHADILI, Amer Abbood - PETRESCU, Teodor. Determination of Transmission Zero Frequency for Complementary Split-Ring Resonator/Split-Ring Resonator Unit Cells from Effective Permittivity and Permeability. In *2019 11TH INTERNATIONAL SYMPOSIUM ON ADVANCED TOPICS IN ELECTRICAL ENGINEERING (ATEE)*. ISSN 1843-8571, 2019., Registrované v: WOS
4. [1.1] ALADADI, Yosef T. - ALKANHAL, Majeed A. S. Extraction of metamaterial constitutive parameters based on data-driven discontinuity detection. In *OPTICAL MATERIALS EXPRESS*. ISSN 2159-3930, 2019, vol. 9, no. 9, pp. 3765-3780., Registrované v: WOS
5. [1.1] ALMUTAIRI, Ali F. - ISLAM, Mohammad Shahidul - SAMSUZZAMAN, Md. - ISLAM, Md. Tarikul - MISRAN, Norbahiah - ISLAM, Mohammad Tariqul. A complementary split ring resonator based metamaterial with effective medium ratio for C-band microwave applications. In *RESULTS IN PHYSICS*. ISSN 2211-3797, 2019, vol. 15, 102675., Registrované v: WOS
6. [1.1] AZIZ, Rao Shahid - KIM, Tae-Wan - PARK, Jae-Seok - RYU, Young-Ho - PARK, Seong-Ook. EM lens design using thin planar metasurfaces for high antenna gain and low SLL applications. In *IET MICROWAVES ANTENNAS & PROPAGATION*. ISSN 1751-8725, 2019, vol. 13, no. 7, pp. 950-958., Registrované v: WOS
7. [1.1] BECHAREF, Kada - ABES, Turkiya - NOURI, Keltouma. DESIGN OF BANDPASS FILTERS BASED ON METAMATERIALS. In *2019 INTERNATIONAL CONFERENCE ON ADVANCED ELECTRICAL ENGINEERING (ICAEE)*, 2019., Registrované v: WOS
8. [1.1] BENZAOUIA, Mohammed - TOKIC, Grgur - MILLER, Owen D. - YUE, Dick K. P. - JOHNSON, Steven G. From Solar Cells to Ocean Buoys: Wide-Bandwidth Limits to Absorption by Metaparticle Arrays. In *PHYSICAL REVIEW APPLIED*. ISSN 2331-7019, 2019, vol. 11, no. 3, 034033., Registrované v: WOS
9. [1.1] BYRNE, Benedikt - CAPET, Nicolas. Compact 3D Printed Antenna Technology for Nanosat/Cubesat Applications. In *2019 13TH EUROPEAN CONFERENCE ON ANTENNAS AND PROPAGATION (EUCAP)*. ISSN 2164-3342, 2019., Registrované v: WOS
10. [1.1] CHATURVEDI, Divya - RAGHAVAN, S. A Compact Metamaterial-Inspired Antenna for WBAN Application. In *WIRELESS PERSONAL COMMUNICATIONS*. ISSN 0929-6212, 2019, vol. 105, no. 4, pp. 1449-1460., Registrované v: WOS
11. [1.1] CHEN, Di-Chao - ZHU, Xing-Feng - WU, Da-Jian - LIU, Xiao-Jun. Broadband Airy-like beams by coded acoustic metasurfaces. In *APPLIED PHYSICS LETTERS*. ISSN 0003-6951, 2019, vol. 114, no. 5, 053504., Registrované v: WOS
12. [1.1] CHEN, Tianyi - TANG, Wenxuan - MU, Jing - CUI, Tie Jun. Microwave Metamaterials. In *ANNALEN DER PHYSIK*. ISSN 0003-3804, 2019, vol. 531, no. 8, 1800445., Registrované v: WOS
13. [1.1] CORREA, Diego C. - RESENDE, Ursula C. - BICALHO, Fabiano S. Experiments With a Compact Wireless Power Transfer System Using Strongly Coupled Magnetic Resonance and Metamaterials. In *IEEE TRANSACTIONS ON MAGNETICS*. ISSN 0018-9464, 2019, vol. 55, no. 8, 8401904., Registrované v: WOS
14. [1.1] DAWAR, Parul - RAGHAVA, N. S. - DE, Asok. UWB Metamaterial-

- Loaded Antenna for C-Band Applications. In INTERNATIONAL JOURNAL OF ANTENNAS AND PROPAGATION. ISSN 1687-5869, 2019, 6087039., Registrované v: WOS*
15. [1.1] DEHGHAN, Mehdi - MORAVVEJ-FARSHI, Mohammad Kazem - GHAFARI-MIAB, Mohsen - JABBARI, Masoud - DARVISH, Ghafar. Ultra-compact Spatial Terahertz Switch Based on Graphene Plasmonic-Coupled Waveguide. In PLASMONICS. ISSN 1557-1955, 2019, vol. 14, no. 6, pp. 1335-1345., Registrované v: WOS
 16. [1.1] DENG, Honglang - CHAN, Mansun - ZHOU, Shaolin. Terahertz broadband band-stop filter based on metasurface. In 2019 IEEE INTERNATIONAL CONFERENCE ON ELECTRON DEVICES AND SOLID-STATE CIRCUITS (EDSSC), 2019., Registrované v: WOS
 17. [1.1] DROULIAS, Sotiris - KOSCHNY, Thomas - KAFESAKI, Maria - SOUKOULIS, Costas M. On loss compensation, amplification and lasing in metallic metamaterials. In NANOMATERIALS AND NANOTECHNOLOGY. ISSN 1847-9804, 2019, vol. 9, 1847980418817947., Registrované v: WOS
 18. [1.1] DUAN, Guangwu - SCHALCH, Jacob - ZHAO, Xiaoguang - LI, Aobo - CHEN, Chunxu - AVERITT, Richard D. - ZHANG, Xin. A survey of theoretical models for terahertz electromagnetic metamaterial absorbers. In SENSORS AND ACTUATORS A-PHYSICAL. ISSN 0924-4247, 2019, vol. 287, pp. 21-28., Registrované v: WOS
 19. [1.1] FANG, Bo - HAN, Shuang - XIE, Jingwen - LI, Chenxia - HONG, Zhi - JING, Xufeng. Realization of broadband terahertz reflector by all-dielectric monolayer grating. In OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS. ISSN 1842-6573, 2019, vol. 13, no. 3-4, pp. 175-181., Registrované v: WOS
 20. [1.1] FANG, Bo - LI, Boya - PENG, Yandong - LI, Chenxia - HONG, Zhi - JING, Xufeng. Polarization-independent multiband metamaterials absorber by fundamental cavity mode of multilayer microstructure. In MICROWAVE AND OPTICAL TECHNOLOGY LETTERS. ISSN 0895-2477, 2019, vol. 61, no. 10, pp. 2385-2391., Registrované v: WOS
 21. [1.1] FANG, Bo - LI, Chenxia - PENG, Yandong - JING, Xufeng. Broadband terahertz reflector through electric and magnetic resonances by all dielectric cylinder microstructure. In MICROWAVE AND OPTICAL TECHNOLOGY LETTERS. ISSN 0895-2477, 2019, vol. 61, no. 6, pp. 1634-1639., Registrované v: WOS
 22. [1.1] FANG, Bo - WANG, Xiaoyue - HUANG, Biquan - JING, Xufeng. Splitting resonance phenomenon of electromagnetic coupling effect for barium strontium titanate dielectric micro-spheres. In OPTIK. ISSN 0030-4026, 2019, vol. 179, pp. 787-795., Registrované v: WOS
 23. [1.1] FIRESTEIN, Chen - SHAVIT, Reuven. Effective electrical parameters evaluation for non-dispersive metamaterials with highly interaction fields. In IET MICROWAVES ANTENNAS & PROPAGATION. ISSN 1751-8725, 2019, vol. 13, no. 8, pp. 1151-1157., Registrované v: WOS
 24. [1.1] FLAMANT, Quentin - TORRENT, Daniel - GOMEZ-GRANA, Sergio - GRIGORENKO, Alexander N. - KRAVETS, Vasyl G. - BAROIS, Philippe - PONSINET, Virginie - BARON, Alexandre. Direct retrieval method of the effective permittivity and permeability of bulk semi-infinite metamaterials by variable-angle spectroscopic ellipsometry. In OSA CONTINUUM. ISSN 2578-7519, 2019, vol. 2, no. 5, pp. 1762-1772., Registrované v: WOS
 25. [1.1] GEVORGYAN, A. H. - GHARAGULYAN, H. - MKHITARYAN, S. A. Peculiarities of band structure of one-dimensional photonic crystals. In OPTIK.

- ISSN 0030-4026, 2019, vol. 180, pp. 745-753., Registrované v: WOS
26. [1.1] GHAZAVI, Mina - SHOARINEJAD, Saeedeh. Magnetic response of a magnetic nanodoped ferroelectric liquid crystal near the isotropic-smectic C* phase transition. In *JOURNAL OF MOLECULAR LIQUIDS*. ISSN 0167-7322, 2019, vol. 290, UNSP 111179., Registrované v: WOS
27. [1.1] GILDAS, Felix - DAN, Yaping. Review of nanostructure color filters. In *JOURNAL OF NANOPHOTONICS*. ISSN 1934-2608, 2019, vol. 13, no. 2, 020901., Registrované v: WOS
28. [1.1] GRIC, Tatjana - HESS, Ortwin. Active Optical Metamaterials. In *PHENOMENA OF OPTICAL METAMATERIALS*, 2019, pp. 187-261., Registrované v: WOS
29. [1.1] GRIC, Tatjana - HESS, Ortwin. Types of Metamaterials. In *PHENOMENA OF OPTICAL METAMATERIALS*, 2019, pp. 1-39., Registrované v: WOS
30. [1.1] HAYATA, Tomoya. Negative refractive index in cubic noncentrosymmetric superconductors. In *PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS*. ISSN 2050-3911, 2019, no. 3, 033101., Registrované v: WOS
31. [1.1] HE, Xin - JIE, Jinliang - YANG, Junbo - HAN, Yunxin - ZHANG, Sen. A Mid-Infrared Narrowband Absorber Based on a Subwavelength Fine-Structured Silicon-Gold Metagrating. In *APPLIED SCIENCES-BASEL*, 2019, vol. 9, no. 23, 5022., Registrované v: WOS
32. [1.1] HOLLOWAY, Christopher L. - KUESTER, Edward F. - HADDAB, Abdulaziz H. Retrieval Approach for Determining Surface Susceptibilities and Surface Porosities of a Symmetric Metascreen from Reflection and Transmission Coefficients. In *PROGRESS IN ELECTROMAGNETICS RESEARCH-PIER*, 2019, vol. 166, pp. 1-22., Registrované v: WOS
33. [1.1] HOLLOWAY, Christopher L. - KUESTER, Edward F. - HADDAB, Abdulaziz H. Using reflection and transmission coefficients to retrieve surface parameters for an anisotropic metascreen: With a discussion on conversion between TE and TM polarizations. In *JOURNAL OF APPLIED PHYSICS*. ISSN 0021-8979, 2019, vol. 125, no. 9, 095102., Registrované v: WOS
34. [1.1] HU, Guohang - SYTCHKOVA, Anna. Optical functions of fishnet metamaterial embedded in dielectrics. In *TENTH INTERNATIONAL CONFERENCE ON THIN FILM PHYSICS AND APPLICATIONS (TFPA 2019)*. ISSN 0277-786X, 2019, vol. 11064, UNSP 1106405., Registrované v: WOS
35. [1.1] HUANG, Xin - YANG, Fan - GAO, Bing - YANG, Qi - WU, Jiamin - HE, Wei. Metamaterial absorber with independently tunable amplitude and frequency in the terahertz regime. In *OPTICS EXPRESS*. ISSN 1094-4087, 2019, vol. 27, no. 18, pp. 25902-25911., Registrované v: WOS
36. [1.1] IQBAL, Amjad - BASIR, Abdul - SMIDA, Amor - MALLAT, Nazih Khaddaj - ELFERGANI, Issa - RODRIGUEZ, Jonathan - KIM, Sunghwan. Electromagnetic Bandgap Backed Millimeter-Wave MIMO Antenna for Wearable Applications. In *IEEE ACCESS*. ISSN 2169-3536, 2019, vol. 7, pp. 111135-111144., Registrované v: WOS
37. [1.1] ISLAM, Zain Ul - AHMED, Zeeshan - NADEEM, Iram - LODHI, Faiz K. - ZARRABI, Ferdows B. - AZAM, Muhammad. Spiral Antenna with CPW Feed based on Composite Right/Left-Handed for Ultra Wide Band & Low Frequency Operation. In *2019 IEEE 4TH INTERNATIONAL CONFERENCE ON COMPUTER AND COMMUNICATION SYSTEMS (ICCCS 2019)*, 2019, pp. 594-598., Registrované v: WOS
38. [1.1] JAFARI, Fereshteh Sadat - NADERI, Mohammad - HATAMI, Ahmad -

- ZARRABI, Ferdows B. Microwave Jerusalem cross absorber by metamaterial split ring resonator load to obtain polarization independence with triple band application. In *AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS*. ISSN 1434-8411, 2019, vol. 101, pp. 138-144., Registrované v: WOS
39. [1.1] JIA, Xiao - LI, Yang - ZHOU, Yinghao - HONG, Minghui - YAN, Ming. Wide bandwidth acoustic transmission via coiled-up metamaterial with impedance matching layers. In *SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY*. ISSN 1674-7348, 2019, vol. 62, no. 6, 964311., Registrované v: WOS
40. [1.1] JUSTINO RIBEIRO, Debora Costanti - BELTRAN-MEJIA, Felipe - JUSTIN RIBEIRO, Jose Antonio. Experimental results for a metamaterial Luneburg lens. In *PROCEEDINGS OF THE 2019 INTERNATIONAL CONFERENCE ON ELECTROMAGNETICS IN ADVANCED APPLICATIONS (ICEAA)*, 2019, pp. 1076-1079., Registrované v: WOS
41. [1.1] KANG, Sungho - QIAN, Zhenyun - RAJARAM, Vageeswar - CALISGAN, Sila Deniz - ALU, Andrea - RINALDI, Matteo. Ultra-Narrowband Metamaterial Absorbers for High Spectral Resolution Infrared Spectroscopy. In *ADVANCED OPTICAL MATERIALS*. ISSN 2195-1071, 2019, vol. 7, no. 2, 1801236., Registrované v: WOS
42. [1.1] KAPPA, Jan - DANG, Zinching - SOKOLUK, Dominik - RAHM, Marco. Analysis of coding metasurfaces for incident radiation at oblique incidence angles. In *OSA CONTINUUM*. ISSN 2578-7519, 2019, vol. 2, no. 7, pp. 2172-2180., Registrované v: WOS
43. [1.1] KARTHIKEYA, G. S. - ABEGAONKAR, Mahesh P. - KOUL, Shibhan K. Pattern diversity of path loss compensated antennas for 5G base stations. In *INTERNATIONAL JOURNAL OF RF AND MICROWAVE COMPUTER-AIDED ENGINEERING*. ISSN 1096-4290, 2019, vol. 29, no. 8, e21800., Registrované v: WOS
44. [1.1] KIM, Jongyeong - JEONG, Heijun - LIM, Sungjoon. Mechanically actuated frequency reconfigurable metamaterial absorber. In *SENSORS AND ACTUATORS A-PHYSICAL*. ISSN 0924-4247, 2019, vol. 299, UNSP 111619., Registrované v: WOS
45. [1.1] KONG, Jiantao - WU, Xueyuan - WANG, Xin - NAUGHTON, Michael J. - KEMPA, Krzysztof. Plasmonic multiple exciton generation. In *PHYSICAL REVIEW MATERIALS*. ISSN 2475-9953, 2019, vol. 3, no. 6, 065201., Registrované v: WOS
46. [1.1] KUMAR, Amit - ANSARI, Abdul Quaiyum - KANAUIA, Binod Kumar - KISHOR, Jugul. A novel ITI-shaped isolation structure placed between two-port CPW-fed dual-band MIMO antenna for high isolation. In *AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS*. ISSN 1434-8411, 2019, vol. 104, pp. 35-43., Registrované v: WOS
47. [1.1] LEE, Dongwoo - MUN, Jungho - CHO, Choonlae - PARK, Namkyoo - RHO, Junsuk. Retrieving continuously varying effective properties of non-resonant acoustic metamaterials. In *APPLIED PHYSICS EXPRESS*. ISSN 1882-0778, 2019, vol. 12, no. 5, 052008., Registrované v: WOS
48. [1.1] LEI, Guo Ping - LI, Sheng Hao. Design and measure of a high-loss transmission band metamaterial filter based on vertical coupling effect between localized surface plasmon modes. In *MATERIALS RESEARCH EXPRESS*. ISSN 2053-1591, 2019, vol. 6, no. 1, 015803., Registrované v: WOS
49. [1.1] LI SHENGYONG - AI XIAOCHUAN - WU RONGHUA - CHEN JIAJUN - JIANG TAO. Enhancement of multi-band absorption based on compound

- structure metamaterials. In *OPTICS AND LASER TECHNOLOGY*. ISSN 0030-3992, 2019, vol. 115, pp. 239-245., Registrované v: WOS
50. [1.1] LI, Bo - YANG, Chun - YANG, Zhanping - SHI, Junwei - LI, Jianxing - ZHANG, Anxue. Circularly Polarized Array with Enhanced Isolation Using Magnetic Metamaterials. In *ELECTRONICS*, 2019, vol. 8, no. 11, 1356., Registrované v: WOS
51. [1.1] LI, Ding - LI, Jiayu. Effective Dielectric Constant of Plasmonic Nanofluid Containing Core-Shell Nanoparticles. In *PLASMONICS*. ISSN 1557-1955, 2019, vol. 14, no. 1, pp. 263-270., Registrované v: WOS
52. [1.1] LI, Jianxing - SHI, Junwei - FENG, Kai - XIAO, Zhicheng - CHEN, Juan - ZHANG, Anxue. Isolation enhanced circularly polarized patch antenna array using modified electric-field-coupled resonator. In *INTERNATIONAL JOURNAL OF RF AND MICROWAVE COMPUTER-AIDED ENGINEERING*. ISSN 1096-4290, 2019, vol. 29, no. 5, e21560., Registrované v: WOS
53. [1.1] LI, Lifeng. Effective-medium permittivity of one-dimensional gratings of vertically invariant and laterally arbitrary permittivity distribution. In *JOURNAL OF MODERN OPTICS*. ISSN 0950-0340, 2019, vol. 66, no. 8, pp. 850-856., Registrované v: WOS
54. [1.1] LI, Weibai - MENG, Fei - CHEN, Yafeng - LI, Yang fan - HUANG, Xiaodong. Topology Optimization of Photonic and Phononic Crystals and Metamaterials: A Review. In *ADVANCED THEORY AND SIMULATIONS*, 2019, vol. 2, no. 7, 1900017., Registrované v: WOS
55. [1.1] LIANG, Qiuqun - DUAN, Huigao - ZHU, Xupeng - CHEN, Xuandong - XIA, XiongPing. Solar thermal absorber based on dielectric filled two-dimensional nickel grating. In *OPTICAL MATERIALS EXPRESS*. ISSN 2159-3930, 2019, vol. 9, no. 8, pp. 3193-3203., Registrované v: WOS
56. [1.1] LIU, Shiqi - XU, Lianqiang - PAN, Yuanyuan - YANG, Jie - LI, Jingzhen - ZHANG, Xiuying - XU, Lin - PANG, Hua - YAN, Jiahuan - SHI, Bowen - SUN, Xiaotian - ZHANG, Han - XU, Linqiang - YANG, Jinbo - ZHANG, Zhiyong - PAN, Feng - LU, Jing. Unusual Fermi-Level Pinning and Ohmic Contact at Monolayer Bi₂O₂Se-Metal Interface. In *ADVANCED THEORY AND SIMULATIONS*, 2019, vol. 2, no. 5, 1800178., Registrované v: WOS
57. [1.1] LIU, Yun - ZHONG, Min. Design and measure of a temperature controllable terahertz metamaterials. In *OPTICAL MATERIALS*. ISSN 0925-3467, 2019, vol. 91, pp. 23-29., Registrované v: WOS
58. [1.1] LIU, Yun. Design and measure of a tunable reflection polarization converter based on hybrid dielectric layer metamaterials. In *JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS*. ISSN 0957-4522, 2019, vol. 30, no. 7, pp. 7175-7181., Registrované v: WOS
59. [1.1] LU, Conghui - RONG, Cancan - HUANG, Xiutao - HU, Zhaoyang - TAO, Xiong - WANG, Shengming - CHEN, Junfeng - LIU, Minghai. Investigation of Negative and Near-Zero Permeability Metamaterials for Increased Efficiency and Reduced Electromagnetic Field Leakage in a Wireless Power Transfer System. In *IEEE TRANSACTIONS ON ELECTROMAGNETIC COMPATIBILITY*. ISSN 0018-9375, 2019, vol. 61, no. 5, pp. 1438-1446., Registrované v: WOS
60. [1.1] LU, Guang - WANG, Wei - YAN, Fabao - DIAO, Chao - ZHOU, Xiachen - WU, Zhao - LIU, Fen - SUN, Yong - DU, Guiqiang - CHEN, Yao. Large area subwavelength cavity antenna with planar metamaterials. In *AIP ADVANCES*. ISSN 2158-3226, 2019, vol. 9, no. 2, 025032., Registrované v: WOS
61. [1.1] LU, Guizhen - DUAN, Zhonghang - YIN, Hongcheng - XIAO, Zhihe - ZHANG, Jing. Determining the Effective Electromagnetic Parameters of Photonic Crystal by Phase Unwrapping and Denoising Method. In *INTERNATIONAL*

- JOURNAL OF ANTENNAS AND PROPAGATION*. ISSN 1687-5869, 2019, 8513150., Registrované v: WOS
62. [1.1] LUO, Yanbin - ZENG, Qingsheng - YAN, Xin - JIANG, Tao - YANG, Rongcao - WANG, Jiayun - WU, Yong - LU, Qichao - ZHANG, Xia. A graphene-based tunable negative refractive index metamaterial and its application in dynamic beam-tilting terahertz antenna. In *MICROWAVE AND OPTICAL TECHNOLOGY LETTERS*. ISSN 0895-2477, 2019, vol. 61, no. 12, pp. 2766-2772., Registrované v: WOS
63. [1.1] MA, Jun-Wen - ZHU, Xue-Qing - BI, Song - BAI, Gai-Yan - HOU, Zhi-Ling. Low-loss near-zero-index metamaterial based on a single board for broadband electromagnetic-wave switches. In *OPTICS COMMUNICATIONS*. ISSN 0030-4018, 2019, vol. 446, pp. 113-117., Registrované v: WOS
64. [1.1] MIYATA, Masashi - NAKAJIMA, Mitsumasa - HASHIMOTO, Toshikazu. Impedance-matched dielectric metasurfaces for non-discrete wavefront engineering. In *JOURNAL OF APPLIED PHYSICS*. ISSN 0021-8979, 2019, vol. 125, no. 10, 103106., Registrované v: WOS
65. [1.1] MOHAMADI, Taghi - YOUSEFI, Leila. Metamaterial-Based Energy Harvesting for Detectivity Enhanced Infrared Detectors. In *PLASMONICS*. ISSN 1557-1955, 2019, vol. 14, no. 4, pp. 815-822., Registrované v: WOS
66. [1.1] MOUHOUCHE, Faiza - AZRAR, Arab - DEHMAS, Mokrane - DJAFRI, Kahina. A Compact Multi-Band Monopole Antenna using Single Metamaterial for WLAN/WiMAX Applications. In *ADVANCED ELECTROMAGNETICS*. ISSN 2119-0275, 2019, vol. 8, no. 3, pp. 92-98., Registrované v: WOS
67. [1.1] NASERI, Parinaz - MATOS, Sergio A. - LIMA, Eduardo B. - COSTA, Jorge R. - FERNANDES, Carlos A. - FONSECA, Nelson J. G. Efficient Evaluation of Gradient Transmit-Arrays Through an Equivalent Dispersive Dielectric Description. In *IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION*. ISSN 0018-926X, 2019, vol. 67, no. 9, pp. 5997-6007., Registrované v: WOS
68. [1.1] PANG, Hua - YAN, Jiahuan - YANG, Jie - LIU, Shiqi - PAN, Yuanyuan - ZHANG, Xiuying - SHI, Bowen - TANG, Hao - YANG, Jinbo - LIU, Qihang - XU, Lianqiang - WANG, Yangyang - LV, Jing. Bilayer tellurene-metal interfaces. In *JOURNAL OF SEMICONDUCTORS*. ISSN 1674-4926, 2019, vol. 40, no. 6, 062003., Registrované v: WOS
69. [1.1] PARASHAR, Rishi - BHOMIA, Yogesh - SONI, Devendra - SARASWAT, Ritesh Kumar. A Multi-Band Frequency Reconfigurable Antenna for Wireless Applications. In *2019 10TH INTERNATIONAL CONFERENCE ON COMPUTING, COMMUNICATION AND NETWORKING TECHNOLOGIES (ICCCNT)*. ISSN 2162-7665, 2019., Registrované v: WOS
70. [1.1] PAUL, Nees - CHAKYAR, Sreedevi P. - UMADEVI, K. S. - SIKHA, Simon K. - KIZHAKOODEN, Joe - ANDREWS, Jolly - JOSEPH, V. P. Humidity Sensitive Flexible Microwave Absorbing Sheet Using Polyaniline-Polytetrafluoroethylene Composite. In *ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING*. ISSN 2193-567X, 2019, vol. 44, no. 1, pp. 553-560., Registrované v: WOS
71. [1.1] REN, Wang - WANG, Peng-Hong. Design of a Quad-Band Monopole Antenna with Independent Frequency Control. In *JOURNAL OF CIRCUITS SYSTEMS AND COMPUTERS*. ISSN 0218-1266, 2019, vol. 28, no. 6, 1950101., Registrované v: WOS
72. [1.1] REVILLA, M. - LORENZO, J. C. - HERMOSA, N. A paraxial cloak with four lenses of different focal lengths. In *EUROPEAN JOURNAL OF PHYSICS*. ISSN 0143-0807, 2019, vol. 40, no. 3, 035303., Registrované v: WOS

73. [1.1] ROCHA XAVIER, George Victor - RENE SERRES, Alexandre Jean - DA COSTA, Edson Guedes - DE OLIVEIRA, Adriano Costa - MEDEIROS MARTINS NOBREGA, Luiz Augusto - DE SOUZA, Vladimir Cesarino. *Design and Application of a Metamaterial Superstrate on a Bio-Inspired Antenna for Partial Discharge Detection through Dielectric Windows*. In *SENSORS*, 2019, vol. 19, no. 19, 4255., Registrované v: WOS
74. [1.1] RONG, Cancan - TAO, Xiong - LU, Conghui - HU, Zhaoyang - HUANG, Xiutao - ZENG, Yingqin - LIU, Minghai. *Analysis and Optimized Design of Metamaterials for Mid-Range Wireless Power Transfer Using a Class-E RF Power Amplifier*. In *APPLIED SCIENCES-BASEL*. ISSN 2076-3417, 2019, vol. 9, no. 1, 26., Registrované v: WOS
75. [1.1] SADANANDA, Karthikeya Gulur - ABEGAONKAR, Mahesh P. - KOUL, Shibani K. *Gain Equalized Shared-Aperture Antenna Using Dual-Polarized ZIM for mmWave 5G Base Stations*. In *IEEE ANTENNAS AND WIRELESS PROPAGATION LETTERS*. ISSN 1536-1225, 2019, vol. 18, no. 6, pp. 1100-1104., Registrované v: WOS
76. [1.1] SARASWAT, Ritesh K. - KUMAR, Mithilesh. *A metamaterial hepta-band antenna for wireless applications with specific absorption rate reduction*. In *INTERNATIONAL JOURNAL OF RF AND MICROWAVE COMPUTER-AIDED ENGINEERING*. ISSN 1096-4290, 2019, vol. 29, no. 10, e21824., Registrované v: WOS
77. [1.1] SARASWAT, Ritesh Kumar - KUMAR, Mithilesh. *Implementation of Metamaterial Loading to Miniaturized UWB Dipole Antenna for WLAN and WiMAX Applications with Tunability Characteristics*. In *IETE JOURNAL OF RESEARCH*. ISSN 0377-2063, 2019., Registrované v: WOS
78. [1.1] SHESTOPALOV, Y. *Justification of Mathematical Imaging Technique for the Permittivity Determination of Layered Dielectrics in a Waveguide*. In *PROCEEDINGS OF THE 2019 INTERNATIONAL CONFERENCE ON ELECTROMAGNETICS IN ADVANCED APPLICATIONS (ICEAA)*, 2019, pp. 143-146., Registrované v: WOS
79. [1.1] SHI, C. - LUXMOORE, I. J. - NASH, G. R. *Gate tunable graphene-integrated metasurface modulator for mid-infrared beam steering*. In *OPTICS EXPRESS*. ISSN 1094-4087, 2019, vol. 27, no. 10, pp. 14577-14584., Registrované v: WOS
80. [1.1] SINGH, Ghanshyam - KANAUIA, Binod Kumar - PANDEY, Vijay K. - GANGWAR, Deepak - KUMAR, Sachin. *Design of compact dual-band patch antenna loaded with D-shaped complementary split ring resonator*. In *JOURNAL OF ELECTROMAGNETIC WAVES AND APPLICATIONS*. ISSN 0920-5071, 2019, vol. 33, no. 16, pp. 2096-2111., Registrované v: WOS
81. [1.1] SONG, Zhengyong - CHEN, Apeng - ZHANG, Jiahe - WANG, Jiayuan. *Integrated metamaterial with functionalities of absorption and electromagnetically induced transparency*. In *OPTICS EXPRESS*. ISSN 1094-4087, 2019, vol. 27, no. 18, pp. 25196-25204., Registrované v: WOS
82. [1.1] SORATHIYA, Vishal - PATEL, Shobhit K. - KATRODIYA, Devang. *Tunable graphene-silica hybrid metasurface for far-infrared frequency*. In *OPTICAL MATERIALS*. ISSN 0925-3467, 2019, vol. 91, pp. 155-170., Registrované v: WOS
83. [1.1] TERROIR, Arthur - SCHWAN, Logan - CAVALIERI, Theo - ROMERO-GARCIA, Vicente - GABARD, Gwenaél - GROBY, Jean-Philippe. *General method to retrieve all effective acoustic properties of fully-anisotropic fluid materials in three dimensional space*. In *JOURNAL OF APPLIED PHYSICS*. ISSN 0021-8979, 2019, vol. 125, no. 2, 025114., Registrované v: WOS

84. [1.1] VALAYIL, Minu - CHAMBERLIN, Kent. *Enhancement of Parameters of Slotted Waveguide Antennas Using Metamaterials*. In *APPLIED COMPUTATIONAL ELECTROMAGNETICS SOCIETY JOURNAL*. ISSN 1054-4887, 2019, vol. 34, no. 2, pp. 272-279., Registrované v: WOS
85. [1.1] WANG, L. S. - DING, C. L. - XIA, D. Y. - DING, X. Y. - WANG, Y. *The design of a graphene-based wideband tunable metamaterial absorber in THz regime*. In *3RD INTERNATIONAL CONFERENCE ON NEW MATERIAL AND CHEMICAL INDUSTRY*. ISSN 1757-8981, 2019, vol. 479, UNSP 012038., Registrované v: WOS
86. [1.1] WANG, Liansheng - XIA, Dongyan - FU, Quanhong - WANG, Yuan - DING, Xueyong - YANG, Bo. *Thermally tunable ultra-thin metamaterial absorber at P band*. In *JOURNAL OF ELECTROMAGNETIC WAVES AND APPLICATIONS*. ISSN 0920-5071, 2019, vol. 33, no. 11, pp. 1406-1415., Registrované v: WOS
87. [1.1] WANG, Meng - MA, Hui Feng - TANG, Wen Xuan - SUN, Shi - CUI, Tie Jun. *Leaky-Wave Radiations with Arbitrarily Customizable Polarizations Based on Spoof Surface Plasmon Polaritons*. In *PHYSICAL REVIEW APPLIED*. ISSN 2331-7019, 2019, vol. 12, no. 1, 014036., Registrované v: WOS
88. [1.1] WANG, Xiaobo - LI, Haohua - ZHOU, Ji. *Tunable ferrite-dielectric metamolecule with Fano resonance*. In *AIP ADVANCES*. ISSN 2158-3226, 2019, vol. 9, no. 5, 055325., Registrované v: WOS
89. [1.1] WEI, Feiming - XU, Yonggang - GAO, Wei - ZHENG, Dianliang - LIU, Ting. *Designing on scaled absorbing materials at THz band using Ni@mica composite*. In *APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING*. ISSN 0947-8396, 2019, vol. 125, no. 9, 655., Registrované v: WOS
90. [1.1] WU, X. - KONG, J. - PROTIK, N. H. - BROIDO, D. - KEMPA, K. *Tailoring the electron-phonon interaction with metallic plasmonic structures*. In *MATERIALS TODAY PHYSICS*. ISSN 2542-5293, 2019, vol. 8, pp. 86-91., Registrované v: WOS
91. [1.1] XIANG, Junxiang - YANG, Yongfei - ZHENG, Zhou - XIANG, Bin - CUI, Xudong. *Structural Evolution Design and Optimization for the Metamaterials with Broadband Frequency-Independent Negative Permeability*. In *PLASMONICS*. ISSN 1557-1955, 2019, vol. 14, no. 2, pp. 271-277., Registrované v: WOS
92. [1.1] XU, Bihui - ZHAO, Yanwen - GU, Li - NIE, Zaiping. *Fork-shaped patch printed ultra-wideband slot antenna with dual band-notched characteristics using metamaterial unit cells*. In *INTERNATIONAL JOURNAL OF RF AND MICROWAVE COMPUTER-AIDED ENGINEERING*. ISSN 1096-4290, 2019, vol. 29, no. 7, e21742., Registrované v: WOS
93. [1.1] XU, Lianqiang - LIU, Shiqi - YANG, Jie - SHI, Bowen - PAN, Yuanyuan - ZHANG, Xiuying - LI, Hong - YAN, Jiahuan - LI, Jingzhen - YANG, Jinbo - LU, Jing. *Pervasive Ohmic Contacts in Bilayer Bi₂O₂Se-Metal Interfaces*. In *JOURNAL OF PHYSICAL CHEMISTRY C*. ISSN 1932-7447, 2019, vol. 123, no. 14, pp. 8923-8931., Registrované v: WOS
94. [1.1] XU, Lin - PAN, Yuanyuan - LIU, Shiqi - SHI, Bowen - XU, Lianqiang - YANG, Jie - YAN, Jiahuan - PANG, Hua - ZHANG, Xiuying - YANG, Chen - YANG, Jinbo - WANG, Yangyang - ZHANG, Zhiyong - LU, Jing. *Computational Study of Ohmic Contact at Bilayer InSe-Metal Interfaces: Implications for Field-Effect Transistors*. In *ACS APPLIED NANO MATERIALS*. ISSN 2574-0970, 2019, vol. 2, no. 11, pp. 6898-6908., Registrované v: WOS
95. [1.1] XU, Xiaofei - HUANG, Qianling - DENG, Xiao - WANG, Yefang. *Electric megahertz metamaterials designed with deep subwavelength multilayered*

- meander line resonators. In *JOURNAL OF APPLIED PHYSICS*. ISSN 0021-8979, 2019, vol. 125, no. 19, 194902., Registrované v: WOS
96. [1.1] XU, Zefeng - LIN, Yu-Sheng. A Stretchable Terahertz Parabolic-Shaped Metamaterial. In *ADVANCED OPTICAL MATERIALS*. ISSN 2195-1071, 2019, vol. 7, no. 19, 1900379., Registrované v: WOS
97. [1.1] YAN, Su. Effective Electromagnetic Parameter Extractions for Porous Media Using a Potential-Based Formulation. In *2019 INTERNATIONAL APPLIED COMPUTATIONAL ELECTROMAGNETICS SOCIETY SYMPOSIUM (ACES)*, 2019., Registrované v: WOS
98. [1.1] YE, Dexin - LI, Binghui - ZHU, Zhongbo - YANG, Yanbin - WANG, Zhiyu. Achieving volumetric gain metamaterials. In *AIP ADVANCES*. ISSN 2158-3226, 2019, vol. 9, no. 5, 055314., Registrované v: WOS
99. [1.1] YOO, SeokJae - LEE, Suyeon - CHOE, Jong-Ho - PARK, Q-Han. Causal homogenization of metamaterials. In *NANOPHOTONICS*. ISSN 2192-8606, 2019, vol. 8, no. 6, pp. 1063-1069., Registrované v: WOS
100. [1.1] YOU, Jian Wei - PANOIU, Nicolae C. Plasmon-induced nonlinearity enhancement and homogenization of graphene metasurfaces. In *OPTICS LETTERS*. ISSN 0146-9592, 2019, vol. 44, no. 12, pp. 3030-3033., Registrované v: WOS
101. [1.1] YU, Buyun - ZHAO, Yongjiu - CHEN, Jiaqing - GE, Yue - CHEN, Xiaofeng. Broadband transparent metamaterial absorber in wireless communication band based on indium tin oxide film. In *INTERNATIONAL JOURNAL OF RF AND MICROWAVE COMPUTER-AIDED ENGINEERING*. ISSN 1096-4290, 2019, vol. 29, no. 12, e21955., Registrované v: WOS
102. [1.1] YU, Peng - BESTEIRO, Lucas V. - HUANG, Yongjun - WU, Jiang - FU, Lan - TAN, Hark H. - JAGADISH, Chennupati - WIEDERRECHT, Gary P. - GOVOROV, Alexander O. - WANG, Zhiming. Broadband Metamaterial Absorbers. In *ADVANCED OPTICAL MATERIALS*. ISSN 2195-1071, 2019, vol. 7, no. 3, 1800995., Registrované v: WOS
103. [1.1] YU, Xiang - LU, Zhenbo - LIU, Tuo - CHENG, Li - ZHU, Jie - CUI, Fangsen. Sound transmission through a periodic acoustic metamaterial grating. In *JOURNAL OF SOUND AND VIBRATION*. ISSN 0022-460X, 2019, vol. 449, pp. 140-156., Registrované v: WOS
104. [1.1] YUAN, Xujin - XU, Yuannan - CHEN, Mingji - CHENG, Xiaodong - FANG, Daining. Blocking gate resonator rasorber surface brings wide band electromagnetic absorption performance approaching theoretical limit. In *MICROWAVE AND OPTICAL TECHNOLOGY LETTERS*. ISSN 0895-2477, 2019, vol. 61, no. 6, pp. 1524-1528., Registrované v: WOS
105. [1.1] ZHANG, Han - XIONG, Junhua - YE, Meng - LI, Jingzhen - ZHANG, Xiuying - QUHE, Ruge - SONG, Zhigang - YANG, Jinbo - ZHANG, Qiaoxuan - SHI, Bowen - YAN, Jiahuan - GUO, Wanlin - ROBERTSON, John - WANG, Yangyang - PAN, Feng - LU, Jing. Interfacial Properties of Monolayer Antimonene Devices. In *PHYSICAL REVIEW APPLIED*. ISSN 2331-7019, 2019, vol. 11, no. 6, 064001., Registrované v: WOS
106. [1.1] ZHANG, Junming - HE, Donglin - WANG, Guowu - WANG, Peng - QIAO, Liang - WANG, Tao - LI, Fashen. Equivalent electromagnetic parameters for microwave metamaterial absorber using a new symmetry model. In *CHINESE PHYSICS B*. ISSN 1674-1056, 2019, vol. 28, no. 5, 058401., Registrované v: WOS
107. [1.1] ZHANG, Na - JIANG, Wei Xiang - MA, Hui Feng - TANG, Wen Xuan - CUI, Tie Jun. Compact High-Performance Lens Antenna Based on Impedance-Matching Gradient-Index Metamaterials. In *IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION*. ISSN 0018-926X, 2019, vol. 67, no. 2, pp.

1323-1328., Registrované v: WOS

108. [1.1] ZHANG, Shiquan. *Design of a metamaterial-based high-directivity antenna*. In 2018 INTERNATIONAL SEMINAR ON COMPUTER SCIENCE AND ENGINEERING TECHNOLOGY (SCSET 2018). ISSN 1742-6588, 2019, vol. 1176, UNSP 062049., Registrované v: WOS

109. [1.1] ZHANG, Xu - GUNEY, Durdu O. *Adverse effect of material absorption on stopped light hollow waveguides with negative index metamaterial cladding*. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS. ISSN 0740-3224, 2019, vol. 36, no. 2, pp. 248-255., Registrované v: WOS

110. [1.1] ZHANG, Yi-Xuan - JIAO, Yong-Chang - ZHANG, Li. *Wideband Inhomogeneous-Polarizer Loaded Circularly Polarized SIW Horn Antenna for Broadband Millimeter-Wave Applications*. In IEEE ANTENNAS AND WIRELESS PROPAGATION LETTERS. ISSN 1536-1225, 2019, vol. 18, no. 7, pp. 1448-1452., Registrované v: WOS

111. [1.1] ZHANG, Zhenya - LIN, Shangshun - ZHANG, Keming. *Enhancement of the absorption and bandwidth of a hybrid metamaterial absorber*. In RESULTS IN PHYSICS. ISSN 2211-3797, 2019, vol. 14, 102412., Registrované v: WOS

112. [1.1] ZHAO, Guozhi - BI, Shihua - NIU, Mowen - CUI, Yancheng. *A zero refraction metamaterial and its application in electromagnetic stealth cloak*. In MATERIALS TODAY COMMUNICATIONS. ISSN 2352-4928, 2019, vol. 21, 100603., Registrované v: WOS

113. [1.1] ZHAO, Guozhi - BI, Shihua. *Design and verification of double band negative refraction metamaterial*. In CHEMICAL PHYSICS LETTERS. ISSN 0009-2614, 2019, vol. 725, pp. 92-96., Registrované v: WOS

114. [1.1] ZHAO, Guozhi - BI, Shihua. *Negative refraction characteristics of a kind of concave metamaterial*. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2019, vol. 125, no. 16, UNSP 165106., Registrované v: WOS

115. [1.1] ZHAO, Xiaoguang - DUAN, Guangwu - LI, Aobo - CHEN, Chunxu - ZHANG, Xin. *Integrating microsystems with metamaterials towards metadevices*. In MICROSYSTEMS & NANOENGINEERING. ISSN 2055-7434, 2019, vol. 5, UNSP 5., Registrované v: WOS

116. [1.1] ZHONG, Min. *A high performance and temperature sensitive absorber based on hybrid dielectric layers metamaterial*. In OPTICS AND LASER TECHNOLOGY. ISSN 0030-3992, 2019, vol. 112, pp. 168-174., Registrované v: WOS

117. [1.1] ZHONG, Min. *Tunable near-perfect absorption through interaction between localized surface plasmons modes in optical metamaterials*. In OPTICAL AND QUANTUM ELECTRONICS. ISSN 0306-8919, 2019, vol. 51, no. 8, 270., Registrované v: WOS

ADCA701 SOMMA, R.D. - NAGAJ, Daniel - KIEFEROVÁ, M. *Quantum speedup by quantum annealing*. In Physical Review Letters, 2012, vol. 109, no. 5, 050501. (2011: 7.370 - IF, Q1 - JCR, 6.314 - SJR, Q1 - SJR, karentované - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.109.050501>

Citácie:

1. [1.1] ATIA, Yosi - OREN, Yonathan - KATZ, Nadav. *Robust Diabatic Grover Search by Landau-Zener-Stuckelberg Oscillations*. In ENTROPY, 2019, vol. 21, no. 10, 937., Registrované v: WOS

2. [1.1] BAPAT, Aniruddha - JORDAN, Stephen. *BANG-BANG CONTROL AS A DESIGN PRINCIPLE FOR CLASSICAL AND QUANTUM OPTIMIZATION ALGORITHMS*. In QUANTUM INFORMATION & COMPUTATION. ISSN 1533-

- 7146, 2019, vol. 19, no. 5-6, pp. 424-446., Registrované v: WOS
3. [1.1] HAMERLY, Ryan - INAGAKI, Takahiro - MCMAHON, Peter L. - VENTURELLI, Davide - MARANDI, Alireza - ONODERA, Tatsuhiro - NG, Edwin - LANGROCK, Carsten - INABA, Kensuke - HONJO, Toshimori - ENBUTSU, Koji - UMEKI, Takeshi - KASAHARA, Ryoichi - UTSUNOMIYA, Shoko - KAKO, Satoshi - KAWARABAYASHI, Ken-ichi - BYER, Robert L. - FEJER, Martin M. - MABUCHI, Hideo - ENGLUND, Dirk - RIEFFEL, Eleanor - TAKESUE, Hiroki - YAMAMOTO, Yoshihisa. Experimental investigation of performance differences between coherent Ising machines and a quantum annealer. In *SCIENCE ADVANCES*. ISSN 2375-2548, 2019, vol. 5, no. 5, eaau0823., Registrované v: WOS
4. [1.1] MUNOZ-BAUZA, Humberto - CHEN, Huo - LIDAR, Daniel. A double-slit proposal for quantum annealing. In *NPJ QUANTUM INFORMATION*. ISSN 2056-6387, 2019, vol. 5, 2., Registrované v: WOS
5. [1.1] MUTHUKRISHNAN, Siddharth - ALBASH, Tameem - LIDAR, Daniel A. Sensitivity of quantum speedup by quantum annealing to a noisy oracle. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2019, vol. 99, no. 3, 032324., Registrované v: WOS
6. [1.1] OHZEKI, Masayuki. Message-passing Algorithm of Quantum Annealing with Nonstoquastic Hamiltonian. In *JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN*. ISSN 0031-9015, 2019, vol. 88, no. 6, 061005., Registrované v: WOS
7. [1.1] SLUTSKII, Mikhail - ALBASH, Tameem - BARASH, Lev - HEN, Itay. Analog nature of quantum adiabatic unstructured search. In *NEW JOURNAL OF PHYSICS*. ISSN 1367-2630, 2019, vol. 21, no. 11, 113025., Registrované v: WOS
8. [1.1] SUBASI, Yigit - SOMMA, Rolando D. - ORSUCCI, Davide. Quantum Algorithms for Systems of Linear Equations Inspired by Adiabatic Quantum Computing. In *PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2019, vol. 122, no. 6, 060504., Registrované v: WOS
9. [1.1] YAMASHIRO, Yu - OHKUWA, Masaki - NISHIMORI, Hidetoshi - LIDAR, Daniel A. Dynamics of reverse annealing for the fully connected p-spin model. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2019, vol. 100, no. 5, 052321., Registrované v: WOS

ADCA702 SOMOGYI, Bálint - DERIAN, René - ŠTICH, Ivan - GALI, Adam**. High-throughput study of compositions and optical properties in heavily co-doped silicon nanoparticles. In *Journal of Physical Chemistry C*, 2017, vol. 121, no. 49, p. 27741-27750. (2016: 4.536 - IF, Q1 - JCR, 1.964 - SJR, Q1 - SJR, karentované - CCC). (2017 - Current Contents). ISSN 1932-7447. Dostupné na: <https://doi.org/10.1021/acs.jpcc.7b09501>

Citácie:

1. [1.1] LIMPENS, Rens - PACH, Gregory F. - MULDER, David W. - NEALE, Nathan R. Size-Dependent Asymmetric Auger Interactions in Plasma-Produced n- and p-Type-Doped Silicon Nanocrystals. In *JOURNAL OF PHYSICAL CHEMISTRY C*. ISSN 1932-7447, 2019, vol. 123, no. 9, pp. 5782-5789., Registrované v: WOS
2. [1.1] LIMPENS, Rens - PACH, Gregory F. - NEALE, Nathan R. Nonthermal PlasmaSynthesized Phosphorus-Boron co-Doped Si Nanocrystals: A New Approach to Nontoxic NIR-Emitters. In *CHEMISTRY OF MATERIALS*. ISSN 0897-4756, 2019, vol. 31, no. 12, pp. 4426-4435., Registrované v: WOS
3. [1.1] SONG, Bin - HE, Yao. Fluorescent silicon nanomaterials: from synthesis to functionalization and application. In *NANO TODAY*. ISSN 1748-0132, 2019, vol. 26, pp. 149-163., Registrované v: WOS

ADCA703 SOULIOTIS, G.A. - FOUNTAS, P.N. - VESELSKÝ, Martin - GALANOPOULOS,

S. - KOHLEY, Z. - MCINTOSH, A. Isoscaling of heavy projectile residues and N/Z equilibration in peripheral heavy-ion collisions below the Fermi energy. In Physical Review C, 2014, vol. 90, no. 6, 064612. (2013: 3.881 - IF, karentované - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.90.064612>

Citácie:

1. [1.1] IWATA, Yoritaka - STEVENSON, Paul. Conditional recovery of time-reversal symmetry in many nucleus systems. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2019, vol. 21, no. 4, 043010., Registrované v: WOS

ADCA704 SOULIOTIS, G.A. - VESELSKÝ, Martin - GALANOPOULOS, S. - JANDEL, M. - KOHLEY, Z. - MAY, L.W. - SHETTY, D.V. - STEIN, B.C. - YENNELLO, J. Approaching neutron-rich nuclei toward the r-process path in peripheral heavy-ion collisions at 15 MeV/nucleon. In Physical Review C, 2011, vol. 84, no. 6, 064607. (2010: 3.416 - IF, 2.409 - SJR, Q1 - SJR, karentované - CCC). (2011 - Current Contents). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.84.064607>

Citácie:

1. [1.1] PIANTELLI, S. - PASTORE, G. - ALBA, R. - BARLINI, S. - BINI, M. - BONNET, E. - BORDERIE, B. - BOUGAULT, R. - BRUNO, M. - BUCCOLA, A. - CAMAIANI, A. - CASINI, G. - CHBIHI, A. - CIAMPI, C. - CICERCHIA, M. - CINAUSERO, M. - DELL'AQUILA, D. - DUENAS, J. A. - FABRIS, D. - FRANCALANZA, L. - FRANKLAND, J. D. - FROSIN, C. - GRAMEGNA, F. - GRUYER, D. - HENRI, M. - KORDYASZ, A. - KOZIK, T. - LE NEINDRE, N. - LOMBARDO, I. - LOPEZ, O. - MAIOLINO, C. - MANTOVANI, G. - MARCHI, T. - MORELLI, L. - OLMÍ, A. - OTTANELLI, P. - PARLOG, M. - PASQUALI, G. - POGGI, G. - SANTONOCITO, D. - STEFANINI, A. A. - VALDRE, S. - VERDE, G. - VIENT, E. - VIGILANTE, M. Isospin transport phenomena in semiperipheral heavy ion collisions at Fermi energies. In NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS. ISSN 2037-4909, 2019, vol. 42, no. 2-3, 104., Registrované v: WOS

ADCA705 SPASOVA, M. - WIEDWALD, U. - RAMCHAL, R. - FARLE, M. - JERGEL, Matej - MAJKOVÁ, Eva - LUBY, Štefan - SENDERÁK, Rudolf. Magnetization and Magnetic Anisotropy of Co/W Multilayers. In Physica status solidi B : basic solid state physics, 2001, vol. 225, no. 2, p. 449-457. ISSN 0370-1972. Dostupné na: [https://doi.org/10.1002/1521-3951\(200106\)225:2::AID-PSSB449o.0.CO;2-3](https://doi.org/10.1002/1521-3951(200106)225:2::AID-PSSB449o.0.CO;2-3)

Citácie:

1. [1.1] BENGUETTAT-EL MOKHTARI, I. - MOURKAS, A. - NTETSIKA, P. - PANAGIOTOPOULOS, I. - ROUSSIGNE, Y. - CHERIF, S. M. - STASHKEVICH, A. - KAIL, F. - CHAHED, L. - BELMEGUENAI, M. Interfacial Dzyaloshinskii-Moriya interaction, interface-induced damping and perpendicular magnetic anisotropy in Pt/Co/W based multilayers. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2019, vol. 126, no. 13, pp., Registrované v: WOS

ADCA706 STANKOVIĆ, Nenad K. - BODIK, Michal - ŠIFFALOVIĆ, Peter - KOTLAR, Mario - MIČUŠÍK, Matej - ŠPITÁLSKY, Zdenko - DANKO, Martin - MILIVOJEVIĆ, Dušan D. - KLEINOVÁ, Angela - KUBAT, Pavel - CAPAKOVA, Zdenka - HUMPOLIČEK, Petr - LEHOCKY, Marian - TODOROVIĆ MARKOVIĆ, Biljana M. - MARKOVIĆ, Zoran M.**. Antibacterial and antibiofouling properties of light triggered fluorescent hydrophobic carbon quantum dots langmuir-blodgett thin films. In ACS Sustainable Chemistry & Engineering, 2018, vol. 6, p. 4154-4163. (2017: 6.140 - IF, Q1 - JCR, 1.657 - SJR, Q1 - SJR, karentované - CCC). (2018 - Current Contents). ISSN 2168-0485. Dostupné na: <https://doi.org/10.1021/acssuschemeng.7b04566>

Citácie:

1. [1.1] ABU RABE, D.I. - AL AWAK, M.M. - YANG, F. - OKONJO, P.A. - DONG, X.L. - TEISL, L.R. - WANG, P. - TANG, Y.A. - PAN, N.Y. - SUN, Y.P. - YANG, L.J. *The dominant role of surface functionalization in carbon dots'; photo-activated antibacterial activity. In INTERNATIONAL JOURNAL OF NANOMEDICINE. ISSN 1178-2013, 2019, vol. 14, p. 2655-2665., Registrované v: WOS*
2. [1.1] ANAND, A. - MANAVALAN, G. - MANDAL, R.P. - CHANG, H.T. - CHIOU, Y.R. - HUANG, C.C. *Carbon Dots for Bacterial Detection and Antibacterial Applications-A Minireview. In CURRENT PHARMACEUTICAL DESIGN. ISSN 1381-6128, 2019, vol. 25, no. 46, p. 4848-4860., Registrované v: WOS*
3. [1.1] ANAND, A. - UNNIKRISHNAN, B. - WEI, S.C. - CHOU, C.P. - ZHANG, L.Z. - HUANG, C.C. *Graphene oxide and carbon dots as broad-spectrum antimicrobial agents - a minireview. In NANOSCALE HORIZONS. ISSN 2055-6756, JAN 1 2019, vol. 4, no. 1, p. 117-137., Registrované v: WOS*
4. [1.1] JELINKOVA, P. - MAZUMDAR, A. - SUR, V.P. - KOCIOVA, S. - DOLEZELIKOVA, K. - JIMENEZ, A.M.J. - KOUDELKOVA, Z. - MISHRA, P.K. - SMERKOVA, K. - HEGER, Z. - VACULOVICOVA, M. - MOULICK, A. - ADAM, V. *Nanoparticle-drug conjugates treating bacterial infections. In JOURNAL OF CONTROLLED RELEASE. ISSN 0168-3659, AUG 10 2019, vol. 307, p. 166-185., Registrované v: WOS*
5. [1.1] JIA, Q.Y. - SONG, Q. - LI, P. - HUANG, W. *Rejuvenated Photodynamic Therapy for Bacterial Infections. In ADVANCED HEALTHCARE MATERIALS. ISSN 2192-2640, JUL 2019, vol. 8, no. 14., Registrované v: WOS*
6. [1.1] LIN, F.M. - BAO, Y.W. - WU, F.G. *Carbon Dots for Sensing and Killing Microorganisms. In C-JOURNAL OF CARBON RESEARCH. JUN 2019, vol. 5, no. 2., Registrované v: WOS*
7. [1.1] LIU, J.L. - SHAO, J.Z. - WANG, Y.H. - LI, J.Q. - LIU, H. - WANG, A.Q. - HUI, A.P. - CHEN, S.W. *Antimicrobial Activity of Zinc Oxide-Graphene Quantum Dot Nanocomposites: Enhanced Adsorption on Bacterial Cells by Cationic Capping Polymers. In ACS SUSTAINABLE CHEMISTRY & ENGINEERING. ISSN 2168-0485, OCT 7 2019, vol. 7, no. 19, p. 16264-16273., Registrované v: WOS*
8. [1.1] WANG, L. - YUAN, Z.W. - KARAHAN, H.E. - WANG, Y.L. - SUI, X. - LIU, F. - CHEN, Y. *Nanocarbon materials in water disinfection: state-of-the-art and future directions. In NANOSCALE. ISSN 2040-3364, MAY 28 2019, vol. 11, no. 20, p. 9819-9839., Registrované v: WOS*

ADCA707 STANKOV, S. - YUE, Y.Z. - MIGLIERINI, M. - SEPIOL, B. - SERGUEEV, I. - CHUMAKOV, A.I. - HU, L. - ŠVEC, Peter - RUFFER, R. *Vibrational properties of nanograins and interfaces in nanocrystalline materials. In Physical Review Letters, 2008, vol. 100, no. 23, 235503. (2007: 6.944 - IF, Q1 - JCR, 5.950 - SJR, Q1 - SJR, karentované - CCC). (2008 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.100.235503>*

Citácie:

1. [1.1] SHI, Chenyang - BEECHER, Alexander N. - LI, Yan - OWEN, Jonathan S. - LEU, Bogdan M. - SAID, Ayman H. - HU, Michael Y. - BILLINGE, Simon J. L. *Size-Dependent Lattice Dynamics of Atomically Precise Cadmium Selenide Quantum Dots. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 122, no. 2, 026101., Registrované v: WOS*

ADCA708 STANO, Peter - REITZNER, Daniel - HEINOSAARI, T. *Coexistence of qubit effects. In Physical Review A, 2008, vol. 78, no. 1, 012315. (2007: 2.893 - IF, Q1 - JCR, 2.524 - SJR, Q1 - SJR, karentované - CCC). (2008 - Current Contents). ISSN*

1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.78.012315>

Citácie:

1. [1.1] *HOFMANN, Holger F. Local measurement uncertainties impose a limit on nonlocal quantum correlations. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 1, 012123., Registrované v: WOS*

2. [1.1] *JAE, Jeongwoo - BAEK, Kyunghyun - RYU, Junghee - LEE, Jinhyoung. Necessary and sufficient condition for joint measurability. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 3, 032113., Registrované v: WOS*

ADCA709 STAÑO, Peter - KLINOVAJA, J. - BRAAKMAN, F.R. - VANDERSYPEN, L.M.K. - LOSS, D. Fast long-distance control of spin qubits by photon-assisted cotunneling. In Physical Review B, 2015, vol. 92, no. 7, 075302. (2014: 3.736 - IF, Q1 - JCR, 0.123 - SJR, Q4 - SJR, karentované - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.92.075302>

Citácie:

1. [1.1] *PICO-CORTES, Jordi - GALLEGO-MARCOS, Fernando - PLATERO, Gloria. Direct transfer of two-electron quantum states in ac-driven triple quantum dots. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 99, no. 15, 155421., Registrované v: WOS*

2. [1.1] *REINA GALVEZ, J. - WOLF, C. - DELGADO, F. - LORENTE, N. Cotunneling mechanism for all-electrical electron spin resonance of single adsorbed atoms. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 100, no. 3, 035411., Registrované v: WOS*

ADCA710 STAÑO, Peter - JACQUOD, P. Spin-to-charge conversion of mesoscopic spin currents. In Physical Review Letters, 2011, vol. 106, no. 20, 206602. (2010: 7.622 - IF, Q1 - JCR, 6.450 - SJR, Q1 - SJR, karentované - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.106.206602>

Citácie:

1. [1.1] *NIAN, Lei-Lei - GE, Xu-Jin - BAI, Long. Nanoscale spintronics switch based on a three-terminal dsDNA molecule junction. In JOURNAL OF PHYSICS D-APPLIED PHYSICS. ISSN 0022-3727, 2019, vol. 52, no. 10, 105301., Registrované v: WOS*

ADCA711 STAÑO, Peter* - HSU, Chen-Hsuan* - CAMENZIND, Leon C.* - YU, Liuqi* - ZUMBUHL, Dominik* - LOSS, Daniel*. Orbital effects of a strong in-plane magnetic field on a gate-defined quantum dot. In Physical Review B, 2019, vol. 99, no. 8, 085308. (2018: 3.736 - IF, Q1 - JCR, 1.502 - SJR, Q1 - SJR, karentované - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.99.085308>

Citácie:

1. [1.1] *MARKOULAKIS, Emmanouil - KONSTANTARAS, Antonios - CHATZAKIS, John - IYER, Rajan - ANTONIDAKIS, Emmanuel. Real time observation of a stationary magneton. In RESULTS IN PHYSICS. ISSN 2211-3797, 2019, vol. 15, 102793., Registrované v: WOS*

ADCA712 STAÑO, Peter - FABIAN, Jaroslav. Control of electron spin and orbital resonances in quantum dots through spin-orbit interactions. In Physical Review B, 2008, vol. 77, no. 4, 045310. (2007: 3.172 - IF, Q1 - JCR, 2.892 - SJR, Q1 - SJR, karentované - CCC). (2008 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.77.045310>

Citácie:

1. [1.1] *VENITUCCI, Benjamin - NIQUET, Yann-Michel. Simple model for*

electrical hole spin manipulation in semiconductor quantum dots: Impact of dot material and orientation. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 99, no. 11, 115317., Registrované v: WOS

- ADCA713 STANO, Peter - JACQUOD, Ph. Spin-dependent tunneling into an empty lateral quantum dot. In Physical Review B, 2010, vol. 82, no. 12, 125309. (2009: 3.475 - IF, 3.107 - SJR, Q1 - SJR, karentované - CCC). (2010 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.82.125309>

Citácie:

1. [1.1] CAMENZIND, Leon C. - YU, Liuqi - STANO, Peter - ZIMMERMAN, Jeramy D. - GOSSARD, Arthur C. - LOSS, Daniel - ZUMBUHL, Dominik M. Spectroscopy of Quantum Dot Orbitals with In-Plane Magnetic Fields. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 122, no. 20, 207701., Registrované v: WOS
2. [1.1] OTSUKA, Tomohiro - NAKAJIMA, Takashi - DELBECQ, Matthieu R. - STANO, Peter - AMAHA, Shinichi - YONEDA, Jun - TAKEDA, Kenta - ALLISON, Giles - LI, Sen - NOIRI, Akito - ITO, Takumi - LOSS, Daniel - LUDWIG, Arne - WIECK, Andreas D. - TARUCHA, Seigo. Difference in charge and spin dynamics in a quantum dot-lead coupled system. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 99, no. 8, 085402., Registrované v: WOS

- ADCA714 STANO, Peter - KLINOVAJA, J. - YACOBY, A. - LOSS, D. Local spin susceptibilities of low-dimensional electron systems. In Physical Review B, 2013, vol. 88, no. 4, 045441. (2012: 3.767 - IF, Q1 - JCR, 1.779 - SJR, Q1 - SJR, karentované - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.88.045441>

Citácie:

1. [1.1] KOGAN, Eugene. RKKY Interaction in Graphene at Finite Temperature. In C-JOURNAL OF CARBON RESEARCH, 2019, vol. 5, no. 2, UNSP 14., Registrované v: WOS
2. [1.1] VERMA, Sonu - KUNDU, Arijit. Nonlocal control of spin-spin correlations in a finite-geometry helical edge. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 99, no. 12, 121409., Registrované v: WOS
3. [1.1] WU, Chen-Huan. Dynamical current-current correlation in two-dimensional parabolic Dirac systems. In PHYSICS LETTERS A. ISSN 0375-9601, 2019, vol. 383, no. 6, pp. 550-557., Registrované v: WOS
4. [1.1] WU, Chen-Huan. Electronic properties of the parabolic Dirac system. In PHYSICS LETTERS A. ISSN 0375-9601, 2019, vol. 383, no. 15, pp. 1795-1805., Registrované v: WOS

- ADCA715 STANO, Peter - JACQUOD, Ph. Suppression of interactions in multimode random lasers in the Anderson localized regime. In Nature Photonics, 2013, vol. 7, no. 1, p. 66-71. (2012: 27.254 - IF, Q1 - JCR, 13.474 - SJR, Q1 - SJR, karentované - CCC). (2013 - Current Contents). ISSN 1749-4885. Dostupné na: <https://doi.org/10.1038/nphoton.2012.298>

Citácie:

1. [1.1] CANELLA, G. A. - FRANCA, V. V. Superfluid-Insulator Transition unambiguously detected by entanglement in one-dimensional disordered superfluids. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2019, vol. 9, 15313., Registrované v: WOS
2. [1.1] LEE, Myungjae - CALLARD, Segolene - SEASSAL, Christian - JEON, Heonsu. Taming of random lasers. In NATURE PHOTONICS. ISSN 1749-4885, 2019, vol. 13, no. 7, pp. 445-+, Registrované v: WOS
3. [1.1] LEE, Ya-Ju - YEH, Ting-Wei - YANG, Zu-Po - YAO, Yung-Chi - CHANG,

Chen-Yu - TSAI, Meng-Tsan - SHEU, Jinn-Kong. *A curvature-tunable random laser*. In *NANOSCALE*. ISSN 2040-3364, 2019, vol. 11, no. 8, pp. 3534-3545., Registrované v: WOS

4. [1.1] NOVITSKY, Denis - REDKA, Dmitrii - SHALIN, Alexander S. *Different Regimes of Ultrashort Pulse Propagation in Disordered Layered Media with Resonant Loss and Gain*. In *ANNALEN DER PHYSIK*. ISSN 0003-3804, 2019, vol. 531, no. 9, 1900080., Registrované v: WOS

5. [1.1] WETTER, N. - JIMENEZ-VILLAR, E. *Random laser materials: from ultrahigh efficiency to very low threshold (Anderson localization)*. In *JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS*. ISSN 0957-4522, 2019, vol. 30, no. 18, pp. 16761-16773., Registrované v: WOS

6. [1.1] YEH, Ting-Wei - YANG, Zu-Po - YAO, Yung-Chi - CHANG, Chen-Yu - TSAI, Meng-Tsan - SHEU, Jinn-Kong - LEE, Ya-Ju. *In Vivo Speckle Contrast Imaging Constructed by Threshold-tunable Random Lasers*. In *OPTICS, PHOTONICS AND LASERS (OPAL 2019)*, 2019, pp. 24-28., Registrované v: WOS

ADCA716 SUBAIR, Riyas** - DI GIROLAMO, Diego - BODIK, Michal - NÁDAŽDY, Vojtech - LI, Bo - NÁDAŽDY, Peter - MARKOVIC, Zoran - BENKOVIČOVÁ, Monika - CHLPIK, Juraj - KOTLAR, Mario - HALAHOVETS, Yuriy - ŠIFFALOVIC, Peter - JERGEL, Matej - TIAN, Jianjun - BRUNETTI, Francesca - MAJKOVÁ, Eva. *Effect of the doping of PC61BM electron transport layer with carbon nanodots on the performance of inverted planar MAPbI(3) perovskite solar cells*. In *Solar Energy*, 2019, vol. 189, p. 426-434. (2018: 4.674 - IF, Q1 - JCR, 1.593 - SJR, Q1 - SJR, karentované - CCC). (2019 - Current Contents). ISSN 0038-092X. Dostupné na: <https://doi.org/10.1016/j.solener.2019.07.088>

Citácie:

1. [1.1] FAGIOLARI, Lucia - BELLA, Federico. *Carbon-based materials for stable, cheaper and large-scale processable perovskite solar cells*. In *ENERGY & ENVIRONMENTAL SCIENCE*. ISSN 1754-5692, 2019, vol. 12, no. 12, pp. 3437-3472., Registrované v: WOS

ADCA717 SUCH, B. - GLATZEL, T. - KAWAI, S. - MEYER, E. - TURANSKÝ, Robert - BRNDIAR, Ján - ŠTICH, Ivan. *Interplay of the tip-sample junction stability and image contrast reversal on a Cu(111) surface revealed by the 3D force field*. In *Nanotechnology*, 2012, vol. 23, no. 4, 045705. (2011: 3.979 - IF, Q1 - JCR, 1.899 - SJR, Q1 - SJR, karentované - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0957-4484. Dostupné na: <https://doi.org/10.1088/0957-4484/23/4/045705>

Citácie:

1. [1.1] DAGDEVIREN, Omur E. - SCHWARZ, Udo D. *Accuracy of tip-sample interaction measurements using dynamic atomic force microscopy techniques: Dependence on oscillation amplitude, interaction strength, and tip-sample distance*. In *REVIEW OF SCIENTIFIC INSTRUMENTS*. ISSN 0034-6748, 2019, vol. 90, no. 3, 033707., Registrované v: WOS

ADCA718 ŠAMAJ, Ladislav. *Is the two-dimensional one-component plasma exactly solvable?* In *Journal of Statistical Physics*, 2004, vol. 117, no. 1-2, p. 131-158. ISSN 0022-4715. Dostupné na: <https://doi.org/10.1023/B:JOSS.0000044056.19438.2c>

Citácie:

1. [1.1] FANTONI, Riccardo. *Plasma living in a curved surface at some special temperature*. In *PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS*. ISSN 0378-4371, 2019, vol. 524, pp. 177-220., Registrované v: WOS

ADCA719 ŠAMAJ, Ladislav. *Anomalous effects of "guest" charges immersed in electrolyte: Exact 2D results*. In *Journal of Statistical Physics*. ISSN 0022-4715. Journal of

Statistical Physics, 2005, vol. 120, no. 1-2, p. 125-146. ISSN 0022-4715. Dostupné na: <https://doi.org/10.1007/s10955-005-5477-8>

Citácie:

1. [1.1] ZHOU, Shiqi. *Effective electrostatic potential between two oppositely charged cylinder rods in primitive model and extended primitive model electrolytes. In JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT. ISSN 1742-5468, 2019, 033213., Registrované v: WOS*

ADCA720

ŠAMAJ, Ladislav. The statistical mechanics of the classical two-dimensional Coulomb gas is exactly solved. In *Journal of Physics A: Mathematical and Theoretical*, 2003, vol. 36, no. 22, p. 5913-5920. ISSN 1751-8113. Dostupné na: <https://doi.org/10.1088/0305-4470/36/22/312>

Citácie:

1. [1.1] FANTONI, Riccardo. *Plasma living in a curved surface at some special temperature. In PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS. ISSN 0378-4371, 2019, vol. 524, pp. 177-220., Registrované v: WOS*

ADCA721

ŠAMAJ, Ladislav - TRULSSON, Martin - TRIZAC, Emmanuel. Strong-coupling theory of counterions between symmetrically charged walls: from crystal to fluid phases. In *Soft Matter*, 2018, vol. 14, no. 20, p. 4040-4052. (2017: 3.709 - IF, Q1 - JCR, 1.493 - SJR, Q1 - SJR, karentované - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 1744-683X. Dostupné na: <https://doi.org/10.1039/c8sm00571k>

Citácie:

1. [1.1] MUKHINA, Tetiana - HEMMERLE, Arnaud - RONDELLI, Valeria - GERELLI, Yuri - FRAGNETO, Giovanna - DAILLANT, Jean - CHARITAT, Thierry. *Attractive Interaction between Fully Charged Lipid Bilayers in a Strongly Confined Geometry. In JOURNAL OF PHYSICAL CHEMISTRY LETTERS. ISSN 1948-7185, 2019, vol. 10, no. 22, pp. 7195-7199., Registrované v: WOS*

ADCA722

ŠAMAJ, Ladislav - TRIZAC, E. Poisson-Boltzmann thermodynamics of counterions confined by curved hard walls. In *Physical Review E*, 2016, vol. 93, no. 1, 012601. (2015: 2.252 - IF, Q1 - JCR, 1.183 - SJR, Q1 - SJR, karentované - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 2470-0045. Dostupné na: <https://doi.org/10.1103/PhysRevE.93.012601>

Citácie:

1. [1.1] AL-ZHOUR, Zeyad - ALRAWAJEH, Fatimah - AL-MUTAIRI, Nouf - ALKHASAWNEH, Raed. *NEW RESULTS ON THE CONFORMABLE FRACTIONAL SUMUDU TRANSFORM: THEORIES AND APPLICATIONS. In INTERNATIONAL JOURNAL OF ANALYSIS AND APPLICATIONS. ISSN 2291-8639, 2019, vol. 17, no. 6, pp. 1019-1033., Registrované v: WOS*

2. [1.1] SABOORIAN-JOOYBARI, Hadi - CHEN, Zhangxin. *Analytical solutions of the Poisson-Boltzmann equation within an interstitial electrical double layer in various geometries. In CHEMICAL PHYSICS. ISSN 0301-0104, 2019, vol. 522, pp. 147-162., Registrované v: WOS*

3. [1.1] ZHOU, Shiqi. *Effective electrostatic potential between two oppositely charged cylinder rods in primitive model and extended primitive model electrolytes. In JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT. ISSN 1742-5468, 2019, 033213., Registrované v: WOS*

ADCA723

ŠAŠURA, Marek - BUŽEK, Vladimír. Multiparticle entanglement with quantum logic networks: Application to cold trapped ions. In *Physical Review A*, 2001, vol. 64, no. 1, p. 012305. (2000: 2.684 - IF). ISSN 1050-2947.

Citácie:

1. [1.1] DU, Fang-Fang - SHI, Zhen-Rong. *Robust hybrid hyper-controlled-not*

gates assisted by an input-output process of low-Q cavities. In OPTICS EXPRESS. ISSN 1094-4087, 2019, vol. 27, no. 13, pp. 17493-17506., Registrované v: WOS

- ADCA724 ŠAUSĀ, Ondrej - KRIŠTIAK, Jozef - BEREK, Dušan - ISKROVÁ, M. Column packings for high-performance liquid chromatography and positron annihilation lifetime spectroscopy. In Radiation Physics and Chemistry, 2007, vol. 76, p. 271 - 274. (2006: 0.868 - IF, Q2 - JCR, 0.419 - SJR, Q2 - SJR). ISSN 0969-806X.

Citácie:

1. [1.1] LUKESOVA, M. - SVAJDLENKOVA, H. - REUTER, D. - VALIC, S. - LOIDL, A. - BARTOS, J. Spin probe interaction and mobility in confined cyclohexane: Effects of pore size and pore surface composition of silica gel matrices. In CHEMICAL PHYSICS LETTERS. ISSN 0009-2614, NOV 16 2019, vol. 735., Registrované v: WOS

- ADCA725 ŠEBO, Pavol - MOSER, Zbigniew - ŠVEC, Peter - JANIČKOVIČ, Dušan - DOBROČKA, Edmund - GASIOR, Wladyslaw - PSTRUŠ, Janus. Effect of indium on the microstructure of the interface between Sn3.13Ag0.74CuIn solder and Cu substrate. In Journal of Alloys and Compounds, 2009, vol. 480, no. 2, p. 409-415. (2008: 1.510 - IF, Q1 - JCR, 0.888 - SJR, Q1 - SJR, karentované - CCC). (2009 - Current Contents, WOS, SCOPUS). ISSN 0925-8388. Dostupné na: <https://doi.org/10.1016/j.jallcom.2009.02.110>

Citácie:

1. [1.1] XIONG, Ming-yue - ZHANG, Liang. Interface reaction and intermetallic compound growth behavior of Sn-Ag-Cu lead-free solder joints on different substrates in electronic packaging. In JOURNAL OF MATERIALS SCIENCE. ISSN 0022-2461, 2019, vol. 54, no. 2, pp. 1741-1768., Registrované v: WOS

- ADCA726 ŠEBO, Pavol - ŠVEC, Peter - JANIČKOVIČ, Dušan - ILLEKOVÁ, Emília - PLEVACHUK, Yu. Interface between Sn-Sb-Cu solder and copper substrate. In Materials Science and Engineering A, 2011, vol. 528, no. 18, p. 5955-5960. (2010: 2.101 - IF, Q1 - JCR, 1.723 - SJR, Q1 - SJR, karentované - CCC). (2011 - Current Contents). ISSN 0921-5093. Dostupné na: <https://doi.org/10.1016/j.msea.2011.04.008>

Citácie:

1. [1.1] BI, Xiaoyang - HU, Xiaowu - LI, Yulong - JIANG, Xiongxin. Effect of Bi on microstructure and mechanical properties of Sn-10Sb-1.5Cu (SSC1015) solder alloys. In MATERIALS RESEARCH EXPRESS. ISSN 2053-1591, 2019, vol. 6, no. 2, 026565., Registrované v: WOS

2. [1.1] EID, E. A. - DEGHADY, A. M. - FOUDA, A. N. Enhanced microstructural, thermal and tensile characteristics of heat treated Sn-5.0Sb-0.3Cu (SSC-503) Pb-free solder alloy under high pressure. In MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING. ISSN 0921-5093, 2019, vol. 743, pp. 726-732., Registrované v: WOS

3. [1.1] KOBAYASHI, Tatsuya - MITSUI, Kohei - SHOHJI, Ikuo. Effects of Ni Addition to Sn-5Sb High-Temperature Lead-Free Solder on Its Microstructure and Mechanical Properties. In MATERIALS TRANSACTIONS. ISSN 1345-9678, 2019, vol. 60, no. 6, pp. 888-894., Registrované v: WOS

4. [1.1] YUAN, Ye - CHEN, Xiumin - ZHOU, Zhiqiang - LI, Yifu - XU, Baoqiang - LIU, Dachun - YANG, Bin. Theoretical study on Sn-Sb-based lead-free solder by ab initio molecular dynamics simulation. In JOURNAL OF MATERIALS RESEARCH. ISSN 0884-2914, 2019, vol. 34, no. 14, pp. 2543-2553., Registrované v: WOS

- ADCA727 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. (2012: 2.108 - IF, Q1 - JCR, 1.744 - SJR, Q1 - SJR, karentované - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 0921-5093. Dostupné na: <https://doi.org/10.1016/j.msea.2013.02.013>

Citácie:

1. [1.1] WANG, Fengjiang - CHEN, Hong - HUANG, Ying - LIU, Luting - ZHANG, Zhijie. Recent progress on the development of Sn-Bi based low-temperature Pb-free solders. In JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS. ISSN 0957-4522, 2019, vol. 30, no. 4, pp. 3222-3243., Registrované v: WOS

2. [1.1] WANG, Z. - ZHANG, Q. K. - CHEN, Y. X. - SONG, Z. L. Influences of Ag and In alloying on Sn-Bi eutectic solder and SnBi/Cu solder joints. In JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS. ISSN 0957-4522, 2019, vol. 30, no. 20, pp. 18524-18538., Registrované v: WOS

ADCA728 ŠIFFALOVÍČ, 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. (2006: 3.107 - IF, Q1 - JCR, 2.620 - SJR, Q1 - SJR, karentované - CCC). (2007 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.76.195432>

Citácie:

1. [1.1] WU, Yulian - CHEN, Xin - LI, Chang - FANG, Jiali - LIU, Haiyang. In situ liquid cell TEM observation of solution-mediated interaction behaviour of Au/CdS nanoclusters. In NEW JOURNAL OF CHEMISTRY. ISSN 1144-0546, 2019, vol. 43, no. 32, pp. 12548-12554., Registrované v: WOS

ADCA729 ŠIFFALOVÍČ, Peter - BADANOVÁ, Dominika - VOJTKO, Andrej - JERGEL, Matej - HODAS, Martin - PELLETTA, Marco - SABOL, D. - MACHA, M. - MAJKOVÁ, Eva. Evaluation of low-cadmium ZnCdSxS alloyed quantum dots for remote phosphor solid-state lighting technology. In Applied Optics, 2015, vol. 54, no. 23, p. 7094-7098. (2014: 1.784 - IF, Q2 - JCR, 1.047 - SJR, Q1 - SJR, karentované - CCC). (2015 - Current Contents). ISSN 0003-6935. Dostupné na: <https://doi.org/10.1364/AO.54.007094>

Citácie:

1. [1.1] SAATSAKIS, George - KALYVAS, Nektarios - MICHAIL, Christos - NINOS, Konstantinos - BAKAS, Athanasios - FOUNTZOULA, Christina - SIANOUDIS, Ioannis - KARPETAS, George E. - FOUNTOS, George - KANDARAKIS, Ioannis - VALAIS, Ioannis - PANAYIOTAKIS, George. Optical Characteristics of ZnCuInS/ZnS (Core/Shell) Nanocrystal Flexible Films Under X-Ray Excitation. In CRYSTALS. ISSN 2073-4352, 2019, vol. 9, no. 7, 343., Registrované v: WOS

2. [1.1] SAATSAKIS, George - MICHAIL, Christos - FOUNTZOULA, Christina - KALYVAS, Nektarios - NINOS, Konstantinos - BAKAS, Athanasios - SIANOUDIS, Ioannis - KANDARAKIS, Ioannis - FOUNTOS, George - PANAYIOTAKIS, George - VALAIS, Ioannis. Luminescence Efficiency of Zn-Cu-In-S / ZnS Quantum Dot films. In 2019 14TH IEEE INTERNATIONAL CONFERENCE ON DESIGN & TECHNOLOGY OF INTEGRATED SYSTEMS IN NANOSCALE ERA (DTIS 2019), 2019., Registrované v: WOS

ADCA730 ŠIFFALOVÍČ, Peter - MAJKOVÁ, Eva - CHITU, Livia - JERGEL, Matej - LUBY, Štefan - KECKES, J. - MAIER, G. - TIMMANN, A. - ROTH, S.V. - TSURU, T. -

HARADA, T. - YAMAMOTO, M. - HEINZMANN, U. Characterization of Mo/Si soft X-ray multilayer mirrors by grazing-incidence small-angle X-ray scattering. In Vacuum, 2009, vol. 84, no. 1, p. 19-25. (2008: 1.114 - IF, Q3 - JCR, 0.566 - SJR, Q2 - SJR, karentované - CCC). (2009 - Current Contents). ISSN 0042-207X. Dostupné na: <https://doi.org/10.1016/j.vacuum.2009.04.026>

Citácie:

1. [1.1] JIANG, Hui - YA, Shuai - TIAN, Naxi - LIANG, Dongxu - DONG, Zhaohui - ZHENG, Yi. Extraction of medium-spatial-frequency interfacial waviness and inner structure from X-ray multilayers using the speckle scanning technique. In OPTICAL MATERIALS EXPRESS. ISSN 2159-3930, 2019, vol. 9, no. 7, pp. 2878-2891., Registrované v: WOS
2. [1.1] MEDVEDEV, R. V. - NIKOLAEV, K. V. - ZAMESHIN, A. A. - IJPES, D. - MAKHOTKIN, I. A. - YAKUNIN, S. N. - YAKSHIN, A. E. - BIJCKER, F. Low-energy ion polishing of Si in W/Si soft X-ray multilayer structures. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2019, vol. 126, no. 4, 045302., Registrované v: WOS
3. [1.1] NIKOLAEV, K. - YAKUNIN, S. N. - MAKHOTKIN, I. A. - DE LA RIE, J. - MEDVEDEV, R. - ROGACHEV, A. - TRUNCKIN, I. N. - VASILIEV, A. L. - HENDRIKX, C. P. - GATESHKI, M. - VAN DE KRUIJS, R. W. E. - BIJCKER, F. Grazing-incidence small-angle X-ray scattering study of correlated lateral density fluctuations in W/Si multilayers. In ACTA CRYSTALLOGRAPHICA A-FOUNDATION AND ADVANCES. ISSN 2053-2733, 2019, vol. 75, pp. 342-351., Registrované v: WOS
4. [1.1] RAGULSKAYA, A. - ANDREEVA, M. A. - ROGACHEV, A. - YAKUNIN, S. N. The investigation of [Fe/Cr] multilayer by GISAXS. In SUPERLATTICES AND MICROSTRUCTURES. ISSN 0749-6036, 2019, vol. 125, pp. 16-25., Registrované v: WOS
5. [1.1] SALAMON, K. - DUBCEK, P. - DRAZIC, G. - BERNSTORFF, S. - RADIC, N. Lateral inhomogeneities in W/C multilayer mirrors. In THIN SOLID FILMS. ISSN 0040-6090, 2019, vol. 691, 137611., Registrované v: WOS

ADCA731 ŠIFFALOVIČ, Peter - JERGEL, Matej - CHITU, Livia - MAJKOVÁ, Eva - MAŤKO, Igor - LUBY, Štefan - TIMMANN, A. - VOLKER ROTH, S. - KECKES, J. - MAIER, G.A. - HEMBD, A. - HERTLEIN, F. - WIESMANN, J. Interface study of a high-performance W/B4C X-ray mirror. In Journal of Applied Crystallography, 2010, vol. 43, p. 1431-1439. (2009: 3.018 - IF, 3.265 - SJR, Q1 - SJR, karentované - CCC). (2010 - Current Contents, WOS, SCOPUS). ISSN 0021-8898. Dostupné na: <https://doi.org/10.1107/S0021889810036782>

Citácie:

1. [1.1] KOPYLETS, Igor - DEVIZENKO, Oleksander - ZUBAREV, Evgeniy - KONDRATENKO, Valeriy - ARTYUKOV, Igor - VINOGRADOV, Alexander - PENKOV, Oleksiy. Short-Period Multilayer X-ray Mirrors for "Water" and "Carbon Windows" Wavelengths. In JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY. ISSN 1533-4880, 2019, vol. 19, no. 1, pp. 518-531., Registrované v: WOS

ADCA732 ŠIFFALOVIČ, Peter - JERGEL, Matej - BENKOVIČOVÁ, Monika - VOJTKO, Andrej - NÁDAŽDY, Vojtech - IVANČO, Ján - BODÍK, M. - DEMYDENKO, M. - MAJKOVÁ, Eva. Towards new multifunctional coatings for organic photovoltaics. In Solar Energy Materials and Solar Cells, 2014, vol. 125, p. 127-132. (2013: 5.030 - IF, Q1 - JCR, 2.174 - SJR, karentované - CCC). (2014 - Current Contents). ISSN 0927-0248. Dostupné na: <https://doi.org/10.1016/j.solmat.2014.03.001>

Citácie:

1. [1.1] BUTLER, James J. - GEORGIEV, Georgi T. - COOKSEY, Catherine C.

Comparison of bidirectional transmittance distribution function (BTDF) measurements on fused silica and sintered polytetrafluoroethylene diffusers. In METROLOGIA. ISSN 0026-1394, 2019, vol. 56, no. 6, 065008., Registrované v: WOS

2. [1.1] LI, Wei - TAN, Xinyu - ZHU, Jinlin - XIANG, Peng - XIAO, Ting - TIAN, Lihong - YANG, Aibi - WANG, Man - CHEN, Xiaobo. Broadband antireflective and superhydrophobic coatings for solar cells. In MATERIALS TODAY ENERGY. ISSN 2468-6069, 2019, vol. 12, pp. 348-355., Registrované v: WOS

ADCA733 ŠIFFALOVIČ, Peter - MAJKOVÁ, Eva - CHITU, Livia - JERDEL, Matej - LUBY, Štefan - CAPEK, Ignác - ŠATKA, A. - TIMMANN, A. - ROTH, S.V. Real-time tracking of superparamagnetic nanoparticle self-assembly. In Small, 2008, vol. 4, no. 12, p. 2222 - 2228. (2007: 6.408 - IF, Q1 - JCR, 3.345 - SJR, Q1 - SJR, karentované - CCC). (2008 - Current Contents). ISSN 1613-6810. Dostupné na: <https://doi.org/10.1002/sml.200800353>

Citácie:

1. [1.1] UGUR, S. - DYLMISHI, E. - ELAISSAARI, A. - SOZERI, H. Investigation of optical, film formation, and magnetic properties of PS latex/SP-MNPs composites. In POLYMER COMPOSITES. ISSN 0272-8397, 2019, vol. 40, no. 3, pp. 1018-1033., Registrované v: WOS

ADCA734 ŠKORVÁNEK, Ivan - ŠVEC, Peter - MARCIN, Jozef - KOVÁČ, Jozef - KRENICKÝ, Tibor - DEANKO, Martin. Nanocrystalline Cu-free HITPERM alloys with improved soft magnetic properties. In Physica status solidi A. Applied research, 2003, vol. 196, no 1., p. 217-220. (2002: 0.979 - IF, karentované - CCC). (2003 - Current Contents, WOS, SCOPUS). ISSN 0031-8965. Dostupné na: <https://doi.org/10.1002/pssa.200306390>

Citácie:

1. [1.1] SUZUKI, K. - PARSONS, R. - ZANG, B. - ONODERA, K. - KISHIMOTO, H. - SHOJI, T. - KATO, A. Nanocrystalline soft magnetic materials from binary alloy precursors with high saturation magnetization. In AIP ADVANCES. ISSN 2158-3226, 2019, vol. 9, no. 3, 035311., Registrované v: WOS

ADCA735 ŠKORVÁNEK, Ivan - KOVÁČ, Jozef - MARCIN, Jozef - DUHAJ, Pavol - GERLING, R. Annealing effects on the magnetic properties of nanocrystalline FeNb alloys. In Journal of Magnetism and Magnetic Materials, 1999, vol. 203, no. 1-3, p. 226-228. (1998: 0.889 - IF, karentované - CCC). (1999 - Current Contents, WOS, SCOPUS). ISSN 0304-8853. Dostupné na: [https://doi.org/10.1016/S0304-8853\(99\)00246-2](https://doi.org/10.1016/S0304-8853(99)00246-2)

Citácie:

1. [1.1] CHABI, T. - BENSEBAA, N. - ALLEG, S. - AZZAZA, S. - SUNOL, J. J. - HLIL, E. K. Effect of the Boron Content on the Amorphization Process and Magnetic Properties of the Mechanically Alloyed Fe_{92-x}Nb_x (8) B-x Powders. In JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM. ISSN 1557-1939, 2019, vol. 32, no. 4, pp. 893-901., Registrované v: WOS

ADCA736 ŠKORVÁNEK, Ivan - KOVÁČ, Jozef - MARCIN, Jozef - ŠVEC, Peter - JANIČKOVIČ, Dušan. Magnetocaloric effect in amorphous and nanocrystalline Fe_{81-x}Cr_xNb₇B₁₂ (x = 0 and 3.5) alloys. In Materials Science and Engineering A - Structural Materials Properties Microstructure and Processing, 2007, vol. 449-451, p. 460-463. (2006: 1.490 - IF, Q2 - JCR, 1.337 - SJR, Q1 - SJR, karentované - CCC). (2007 - Current Contents, WOS, SCOPUS). ISSN 0921-5093. Dostupné na: <https://doi.org/10.1016/j.msea.2006.02.353> (RQ12 : International Conference on Rapidly Quenched & Metastable Materials)

Citácie:

1. [1.1] CHAUDHARY, V. - CHEN, X. - RAMANUJAN, R. V. Iron and manganese based magnetocaloric materials for near room temperature thermal management. In *PROGRESS IN MATERIALS SCIENCE*. ISSN 0079-6425, 2019, vol. 100, pp. 64-98., Registrované v: WOS

2. [1.1] GONDRO, Joanna. Structure and Magnetic Properties of Amorphous Fe-Zr-Nb-Cu-B-(Y) Ribbons. In *REVISTA DE CHIMIE*. ISSN 0034-7752, 2019, vol. 70, no. 1, pp. 233-235., Registrované v: WOS

3. [1.1] YEN, Nguyen Hai - HA, Nguyen Hoang - THANH, Pham Thi - THANH, Tran Dang - NGOC, Nguyen Huy - DAN, Nguyen Huy. Influence of Cr-Addition on Magnetic Properties and Magnetocaloric Effect of Fe-Cr-B-Gd-Zr Rapidly Quenched Alloys. In *JOURNAL OF ELECTRONIC MATERIALS*. ISSN 0361-5235, 2019, vol. 48, no. 11., Registrované v: WOS

ADCA737 ŠKORVÁNEK, Ivan - MARCIN, Jozef - KRENICKÝ, Tibor - KOVÁČ, Jozef - ŠVEC, Peter - JANIČKOVIČ, Dušan. Improved soft magnetic behaviour in field-annealed nanocrystalline Hitperm alloys. In *Journal of Magnetism and Magnetic Materials*, 2006, vol. 304, no. 2, p. 203-207. (2005: 0.985 - IF, Q2 - JCR, 0.699 - SJR, Q2 - SJR, karentované - CCC). (2006 - Current Contents, WOS, SCOPUS). ISSN 0304-8853. Dostupné na: <https://doi.org/10.1016/j.jmmm.2006.02.120>

Citácie:

1. [1.1] KINOSHITA, T. - SHIMOJI, H. - AIHARA, S. - SATO, T. - TODAKA, T. Effect of Heat Treatment Under High Magnetic Field on Crystallographic Orientation and Magnetic Properties of Non-Oriented Electrical Steel Sheets. In *IEEE TRANSACTIONS ON MAGNETICS*. ISSN 0018-9464, 2019, vol. 55, no. 2, art. no. 2001105., Registrované v: WOS

2. [1.1] SHI, Rui-min - WANG, Zhi - HAN, Ye-mei. High-temperature soft magnetic behavior of magnetic field annealed Finemet-type nanocrystalline alloys. In *AIP ADVANCES*. ISSN 2158-3226, 2019, vol. 9, no. 5, art. no. 055222., Registrované v: WOS

ADCA738 ŠTELMACHOVIČ, P. - BUŽEK, Vladimír. Quantum-information approach to the Ising model: Entanglement in chains of qubits. In *Physical Review A*, 2004, vol. 70, no. 3, 032313. ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.70.032313>

Citácie:

1. [1.1] MUNOZ, C. - GAETA, M. - GOMEZ, R. - KLIMOV, A. B. Picturing quantum phase transitions. In *PHYSICS LETTERS A*. ISSN 0375-9601, 2019, vol. 383, no. 2-3, pp. 141-147., Registrované v: WOS

2. [1.1] NAIK, Gautam Kamalakar - SINGH, Rajeev - MISHRA, Sunil Kumar. Controlled generation of genuine multipartite entanglement in Floquet Ising spin models. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2019, vol. 99, no. 3, 032321., Registrované v: WOS

3. [1.1] ROY, Sudipto Singha - DHAR, Himadri Shekhar - SEN(DE), Aditi - SEN, Ujjwal. Tensor-network approach to compute genuine multisite entanglement in infinite quantum spin chains. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2019, vol. 99, no. 6, UNSP 062305., Registrované v: WOS

ADCA739 ŠTELMACHOVIČ, Peter - BUŽEK, Vladimír. Dynamics of open quantum systems initially entangled with environment: Beyond the Kraus representation. In *Physical Review A*, 2001, vol. 64, no. 6, 062106. (2000: 2.684 - IF). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.64.062106>

Citácie:

1. [1.1] COLMENARES, Pedro J. Generalized diffusion of quantum Brownian motion. In *PHYSICAL REVIEW E*. ISSN 2470-0045, 2019, vol. 100, no. 5, 052117., Registrované v: WOS

2. [1.1] SCHMID, David - RIED, Katja - SPEKKENS, Robert W. *Why initial system-environment correlations do not imply the failure of complete positivity: A causal perspective.* In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2019, vol. 100, no. 2, 022112., Registrované v: WOS
3. [1.1] SIOMAU, Michael. *Any quantum network is structurally controllable by a single driving signal.* In *QUANTUM INFORMATION PROCESSING*. ISSN 1570-0755, 2019, vol. 18, no. 1, 1., Registrované v: WOS
4. [1.1] UDAYAKUMAR, Pavithra - KUMAR-ESLAMI, Preethika. *Kraus operator formalism for quantum multiplexer operations for arbitrary two-qubit mixed states.* In *QUANTUM INFORMATION PROCESSING*. ISSN 1570-0755, 2019, vol. 18, no. 12, 361., Registrované v: WOS

ADCA740 ŠVAJDLENKOVÁ, Helena** - ŠAUŠA, Ondrej - PEER, Gernot - GORSCHÉ, Christian. *In situ investigation of the kinetics and microstructure during photopolymerization by positron annihilation technique and NIR- photorheology.* In *RSC Advances*, 2018, vol. 8, p. 37085-37091. (2017: 2.936 - IF, Q2 - JCR, 0.863 - SJR, Q1 - SJR, karentované - CCC). (2018 - Current Contents). ISSN 2046-2069. Dostupné na: <https://doi.org/10.1039/c8ra07578f>

Citácie:

1. [1.1] WU, H.Q. - LEI, Y.L. - SONG, X.W. - TAN, Y. - SUN, Z.F. - ZHANG, Y. - KJONIKSEN, A.L. - WANG, W. - MA, J.M. *Real time rheological study of first network effects on the in situ polymerized semi-interpenetrating hydrogels.* In *COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS*. ISSN 0927-7757, AUG 20 2019, vol. 575, p. 111-117., Registrované v: WOS

ADCA741 ŠVEC, Peter Jr. - ŠVEC, Peter - HOŠKO, Jozef - JANIČKOVIČ, Dušan. *Formation of monophasic Fe₂₃B₆-type alloy via crystallization of amorphous Fe-Ni-Nb-B system.* In *Journal of Alloys and Compounds*, 2014, vol. 590, p. 87-91. (2013: 2.726 - IF, Q1 - JCR, 1.064 - SJR, karentované - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 0925-8388. Dostupné na: <https://doi.org/10.1016/j.jallcom.2013.12.055>

Citácie:

1. [1.1] JIA, C. G. - PANG, J. - PAN, S. P. - ZHANG, Y. J. - KIM, K. B. - QIN, J. Y. - WANG, W. M. *Tailoring the corrosion behavior of Fe-based metallic glasses through inducing Nb-triggered netlike structure.* In *CORROSION SCIENCE*. ISSN 0010-938X, 2019, vol. 147, pp. 94-107., Registrované v: WOS

ADCA742 TAGUCHI, D. - SHINO, T. - ZHANG, L. - LI, J. - WEIS, Martin Jr. - MANAKA, T. - IWAMOTO, M. *Direct probing of photovoltaic effect generated in double-layer organic solar cell by electric-field-induced optical second-harmonic generation.* In *Applied Physics Express*, 2011, vol. 4, no. 2, 021602. (2010: 2.778 - IF, Q1 - JCR, 1.560 - SJR, Q1 - SJR, karentované - CCC). (2011 - Current Contents). ISSN 1882-0778. Dostupné na: <https://doi.org/10.1143/APEX.4.021602>

Citácie:

1. [1.1] TONG, Bo - ZHAO, Minji - TOKU, Yuhki - MORITA, Yasuyuki - JU, Yang. *Local permittivity measurement of dielectric materials based on the non-contact force curve of microwave atomic force microscopy.* In *REVIEW OF SCIENTIFIC INSTRUMENTS*. ISSN 0034-6748, 2019, vol. 90, no. 3, 033706., Registrované v: WOS

ADCA743 TAGUCHI, D. - SHINO, T. - CHEN, X. - ZHANG, L. - LI, J. - WEIS, Martin Jr. - MANAKA, T. - IWAMOTO, M. *Analyzing carrier lifetime of double-layer organic solar cells by using optical electric-field-induced second-harmonic generation measurement.* In *Applied Physics Letters*, 2011, vol. 98, no. 13, 133507. (2010: 3.841 - IF, Q1 - JCR, 2.920 - SJR, Q1 - SJR, karentované - CCC). (2011 - Current

Contents, SCOPUS). ISSN 0003-6951. Dostupné na:

<https://doi.org/10.1063/1.3574002>

Citácie:

1. [1.1] OHASHI, Noboru - MIYADERA, Tetsuhiko - TAIMA, Tetsuya - YOSHIDA, Yuji. Evaluation of exciton diffusion length in highly oriented fullerene films of fullerene/p-Si(100) hybrid solar cells. In JAPANESE JOURNAL OF APPLIED PHYSICS. ISSN 0021-4922, 2019, vol. 58, no. 12, 121004., Registrované v: WOS

- ADCA744 TER AKOPIAN, G.M. - HAMILTON, J.H. - OGANESSION, Yu.Ts. - KORMICKI, J. - POPEKO, G.S. - DANIEL, A.V. - RAMAYYA, A.V. - LU, Q. - BUTLER-MOORE, K. - MA, W.C. - DENG, J.K. - SHI, D. - KLIMAN, Ján - POLHORSKÝ, V. - MORHÁČ, Miroslav - GREINER, W. - SANDELESCU, A. - DOLE, J.D. - ARYAEINEJAD, R. - JOHNSON, N.R. - LEE, I.Y. - MCGOWAN, F.K. Neutron multiplicities and yields of correlated Zr-Ce and Mo-Ba fragment pairs in spontaneous fission of ²⁵²Cf. In Physical Review Letters, 1994, vol. 73, no. 11, p. 1477-1480. Dostupné na: <https://doi.org/10.1103/PhysRevLett.73.1477>

Citácie:

1. [1.1] PAHLAVANI, M. R. - JOHARIFARD, M. Isotopic yield and half-life of spontaneous fission for (²⁸⁴Cn and (²⁸⁴Fl superheavy isobars using direct calculation and semiempirical formulas. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 4, 044601., Registrované v: WOS

2. [1.1] SANTHOSH, Kolathu Parambil - CYRIAC, Annu. Studies on the cold binary fragmentation of even-even U230-250 isotopes. In COMPTES RENDUS PHYSIQUE. ISSN 1631-0705, 2019, vol. 20, no. 6, pp. 569-582., Registrované v: WOS

- ADCA745 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 2469-9985.

Citácie:

1. [1.1] PASCA, H. - ANDREEV, A. - ADAMIAN, G. G. - ANTONENKO, N. Change of the shape of mass and charge distributions in fission of Cf isotopes with excitation energy. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 6, 064611., Registrované v: WOS

- ADCA746 TER-AKOPIAN, G.M. - HAMILTON, J.H. - OGANESSION, Yu.Ts. - DANIEL, A.V. - KORMICKI, J. - RAMAYYA, A.V. - POPEKO, G.S. - BABU, B.R.S. - LU, Q.-H. - BUTLER-MOORE, K. - MA, W.C. - CWIOK, S. - NAZAREWICZ, W. - DENG, J.K. - SHI, D. - KLIMAN, Ján - MORHÁČ, Miroslav - COLE, J.D. - ARYAEINEJAD, R. - JOHNSON, N.R. - LEE, I.Y. - MCGOWAN, F.K. - SALADIN, J.X. New spontaneous fission mode for Cf-252: Indication of hyperdeformed Ba-144, Ba-145, Ba-146 at scission. In Physical Review Letters, 1996, vol. 77, no. 1, p. 32-35.

Citácie:

1. [1.1] MALIK, Sham S. - MAZUMDAR, I. Role of quantum phase transition in spontaneous fission. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2019, vol. 990, pp. 220-243., Registrované v: WOS

- ADCA747 TISOVSKÝ, Pavol** - GÁPLOVSKÝ, Anton - GMUCOVÁ, Katarína - NOVOTA, Miroslav - PAVÚK, Milan - WEIS, Martin. Synthesis and characterization of new [1]benzothieno[3,2-b]benzothiophene derivatives with alkyl-thiophene core for application in organic field-effect transistors. In Organic Electronics, 2019, vol. 68,

p. 121 - 128. (2018: 3.495 - IF, Q1 - JCR, 0.937 - SJR, Q1 - SJR, karentované - CCC). (2019 - Current Contents). ISSN 1566-1199. Dostupné na: <https://doi.org/10.1016/j.orgel.2018.12.002>

Citácie:

1. [1.1] BISWAS, Soumava - MANDAL, Leena - SHEN, Yongbing - YAMASHITA, Masahiro. *Exploration of SMM behavior of Ln(2) complexes derived from thianaphthene-2-carboxylic acid. In DALTON TRANSACTIONS. ISSN 1477-9226, 2019, vol. 48, no. 37, pp. 14096-14102., Registrované v: WOS*
2. [1.1] DEMINA, Nadezhda S. - KAZIN, Nikita A. - RASPUTIN, Nikolay A. - IRGASHEV, Roman A. - RUSINOV, Gennady L. *Synthesis of aryl-substituted thieno[3,2-b]thiophene derivatives and their use for N,S-heterotetracene construction. In BEILSTEIN JOURNAL OF ORGANIC CHEMISTRY. ISSN 1860-5397, 2019, vol. 15, pp. 2678-2683., Registrované v: WOS*

ADCA748 TOKÁR, Kamil - DERIAN, René - MITAŠ, L. - ŠTICH, Ivan. Charged vanadium-benzene multidecker clusters: DFT and quantum Monte Carlo study. In Journal of Chemical Physics, 2016, vol. 144, no. 6, 064303. (2015: 2.894 - IF, Q2 - JCR, 1.255 - SJR, Q1 - SJR, karentované - CCC). (2016 - Current Contents). ISSN 0021-9606. Dostupné na: <https://doi.org/10.1063/1.4941085>

Citácie:

1. [1.1] MARKS, Joshua H. - WARD, Timothy B. - BRATHWAITE, Antonio D. - FERGUSON, Sojourna - DUNCAN, Michael A. *Cyclotrimerization of Acetylene in Gas Phase V+(C2H2)(n) Complexes: Detection of Intermediates and Products with Infrared Spectroscopy. In JOURNAL OF PHYSICAL CHEMISTRY A. ISSN 1089-5639, 2019, vol. 123, no. 31, pp. 6733-6743., Registrované v: WOS*

ADCA749 TOKÁR, Kamil - DERIAN, René - BRNDIAR, Ján - ŠTICH, Ivan - ŠTICH, Ivan. Strain control of vibrational properties of few layer phosphorene. In Journal of Applied Physics, 2016, vol. 120, no. 19, 194305. (2015: 2.101 - IF, Q2 - JCR, 0.821 - SJR, Q2 - SJR, karentované - CCC). (2016 - Current Contents). ISSN 0021-8979. Dostupné na: <https://doi.org/10.1063/1.4968009>

Citácie:

1. [1.1] BIROWSKA, Magdalena - URBAN, Joanna - BARANOWSKI, Michal - MAUDE, Duncan K. - PLOCHOCKA, Pauline - SZWACKI, Nevill Gonzalez. *The impact of hexagonal boron nitride encapsulation on the structural and vibrational properties of few layer black phosphorus. In NANOTECHNOLOGY. ISSN 0957-4484, 2019, vol. 30, no. 19, 195201., Registrované v: WOS*
2. [1.1] SUN, Yufei - LIU, Kai. *Strain engineering in functional 2-dimensional materials. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2019, vol. 125, no. 8, 082402., Registrované v: WOS*

ADCA750 TRAVĚNEC, Igor. Universal conductance fluctuations in noninteger dimensions. In Physical Review B, 2004, vol. 69, no. 3, p. 033104. Dostupné na: <https://doi.org/10.1103/PhysRevB.69.033104>

Citácie:

1. [1.1] SUSLOV, I. M. *Conductance Distribution in 1D Systems: Dependence on the Fermi Level and the Ideal Leads. In JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS. ISSN 1063-7761, 2019, vol. 129, no. 5, pp. 877-895., Registrované v: WOS*

ADCA751 TRAVĚNEC, Igor. Reply to "Comment on Solvability of the two-photon Rabi Hamiltonian". In Physical Review A, 2015, vol. 91, no. 3, 037802. (2014: 2.808 - IF, Q1 - JCR, 2.201 - SJR, Q1 - SJR, karentované - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.91.037802>

Citácie:

1. [1.1] CONG, Lei - SUN, Xi-Mei - LIU, Maoxin - YING, Zu-Jian - LUO, Hong-Gang. Polaron picture of the two-photon quantum Rabi model. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2019, vol. 99, no. 1, 013815., Registrované v: WOS
2. [1.1] CUI, Shifeng - HEBERT, F. - GREMAUD, B. - ROUSSEAU, V. G. - GUO, Wenan - BATROUNI, G. G. Two-photon Rabi-Hubbard and Jaynes-Cummings-Hubbard models: Photon-pair superradiance, Mott insulator, and normal phases. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2019, vol. 100, no. 3, 033608., Registrované v: WOS
3. [1.1] DUAN, Liwei - XIE, You-Fei - CHEN, Qing-Hu. The mixed quantum Rabi model. In *SCIENTIFIC REPORTS*. ISSN 2045-2322, 2019, vol. 9, 18353., Registrované v: WOS
4. [1.1] LUPO, Elena - NAPOLI, Anna - MESSINA, Antonino - SOLANO, Enrique - EGUSQUIZA, Inigo L. A continued fraction based approach for the Two-photon Quantum Rabi Model. In *SCIENTIFIC REPORTS*. ISSN 2045-2322, 2019, vol. 9, 4156., Registrované v: WOS
5. [1.1] XIE, You-Fei - DUAN, Liwei - CHEN, Qing-Hu. Generalized quantum Rabi model with both one- and two-photon terms: A concise analytical study. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2019, vol. 99, no. 1, 013809., Registrované v: WOS

ADCA752 TRAVÉNEC, Igor. Solvability of the two-photon Rabi Hamiltonian. In *Physical Review A*, 2012, vol. 85, no. 4, 043805. (2011: 2.878 - IF, Q1 - JCR, 2.316 - SJR, Q1 - SJR, karentované - CCC). (2012 - Current Contents). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.85.043805>

Citácie:

1. [1.1] CONG, Lei - SUN, Xi-Mei - LIU, Maoxin - YING, Zu-Jian - LUO, Hong-Gang. Polaron picture of the two-photon quantum Rabi model. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2019, vol. 99, no. 1, 013815., Registrované v: WOS
2. [1.1] CUI, Shifeng - HEBERT, F. - GREMAUD, B. - ROUSSEAU, V. G. - GUO, Wenan - BATROUNI, G. G. Two-photon Rabi-Hubbard and Jaynes-Cummings-Hubbard models: Photon-pair superradiance, Mott insulator, and normal phases. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2019, vol. 100, no. 3, 033608., Registrované v: WOS
3. [1.1] DODONOV, A. V. - NAPOLI, A. - MILITELLO, B. Emulation of n-photon Jaynes-Cummings and anti-Jaynes-Cummings models via parametric modulation of a cyclic qutrit. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2019, vol. 99, no. 3, 033823., Registrované v: WOS
4. [1.1] DUAN, Liwei - XIE, You-Fei - CHEN, Qing-Hu. The mixed quantum Rabi model. In *SCIENTIFIC REPORTS*. ISSN 2045-2322, 2019, vol. 9, no., 18353., Registrované v: WOS
5. [1.1] HU, Xian-Lei. The Phase Transition in Two-Photon Rabi Model Under Mean Field Approximation. In *INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS*. ISSN 0020-7748, 2019, vol. 58, no. 11, pp. 3765-3772., Registrované v: WOS
6. [1.1] LUPO, Elena - NAPOLI, Anna - MESSINA, Antonino - SOLANO, Enrique - EGUSQUIZA, Inigo L. A continued fraction based approach for the Two-photon Quantum Rabi Model. In *SCIENTIFIC REPORTS*. ISSN 2045-2322, 2019, vol. 9, 4156., Registrované v: WOS
7. [1.1] MALDONADO-VILLAMIZAR, F. H. - HUERTA ALDERETE, C. - RODRIGUEZ-LARA, B. M. Squeezed displaced entangled states in the quantum Rabi model. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2019, vol. 100, no. 1, 013811., Registrované v: WOS
8. [1.1] PENG, Jie - RICO, Enrique - ZHONG, Jianxin - SOLANO, Enrique -

EGUSQUIZA, Inigo L. Unified superradiant phase transitions. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2019, vol. 100, no. 6, 063820., Registrované v: WOS

9. [1.1] PUEBLA, R. - CASANOVA, J. - HOUHOU, O. - SOLANO, E. - PATERNOSTRO, M. Quantum simulation of multiphoton and nonlinear dissipative spin-boson models. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2019, vol. 99, no. 3, 032303., Registrované v: WOS

10. [1.1] XIE, You-Fei - DUAN, Liwei - CHEN, Qing-Hu. Generalized quantum Rabi model with both one- and two-photon terms: A concise analytical study. In *PHYSICAL REVIEW A*. ISSN 2469-9926, 2019, vol. 99, no. 1, 013809., Registrované v: WOS

11. [1.1] XIE, You-Fei - DUAN, Liwei - CHEN, Qing-Hu. Quantum Rabi-Stark model: solutions and exotic energy spectra. In *JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL*. ISSN 1751-8113, 2019, vol. 52, no. 24, 245304., Registrované v: WOS

ADCA753 TRIBEDY, Prithwish - ADAMCZYK, L. - ADKINS, J. K. - AGAKISHIEV, G. - AGGARWAL, M. M. - FILIP, Peter. Disentangling flow and signals of Chiral Magnetic Effect in U plus U, Au plus Au and p plus Au collisions. In *Nuclear Physics A*, 2017, vol. 967, p. 740-743. (2016: 1.916 - IF, Q2 - JCR, 0.998 - SJR, Q2 - SJR, karentované - CCC). (2017 - Current Contents). ISSN 0375-9474. Dostupné na: <https://doi.org/10.1016/j.nuclphysa.2017.05.078>

Citácie:

1. [1.1] GUERRERO-RODRIGUEZ, Pablo. Topological charge fluctuations in the Glasma. In *JOURNAL OF HIGH ENERGY PHYSICS*. ISSN 1029-8479, 2019, no. 8, 026., Registrované v: WOS

2. [1.1] ZHAO, Jie - WANG, Fuqiang. Experimental searches for the chiral magnetic effect in heavy-ion collisions. In *PROGRESS IN PARTICLE AND NUCLEAR PHYSICS*. ISSN 0146-6410, 2019, vol. 107, pp. 200-236., Registrované v: WOS

ADCA754 TRNOVCOVÁ, Viera - FURÁR, I. - HANIC, František. Influence of technological texture on electrical properties of industrial ceramics. In *Journal of Physics and Chemistry of Solids*, 2007, vol. 68, no. 5-6, p. 1135-1139. (2006: 1.164 - IF, Q2 - JCR, 0.681 - SJR, Q2 - SJR, karentované - CCC). (2007 - Current Contents).

Citácie:

1. [1.1] BELHOUCHE, Khaled - BAYADI, Abdelhafid - BELHOUCHE, Hocine - ROMERO, Maximina. Improvement of mechanical and dielectric properties of porcelain insulators using economic raw materials. In *BOLETIN DE LA SOCIEDAD ESPANOLA DE CERAMICA Y VIDRIO*. ISSN 0366-3175, 2019, vol. 58, no. 1, pp. 28-37., Registrované v: WOS

2. [1.1] NGAYAKAMO, Blasius - PARK, S. Eugene. Evaluation of Kalalani Vermiculite for Production of High Strength Porcelain Insulators. In *SCIENCE OF SINTERING*. ISSN 0350-820X, 2019, vol. 51, no. 2, pp. 223-232., Registrované v: WOS

ADCA755 TURANSKÝ, Robert - KONÔPKA, M. - DOLTSINIS, N.L. - ŠTICH, Ivan - MARX, D. Switching of functionalized azobenzene suspended between gold tips by mechanochemical, photochemical and opto-mechanical means. In *Physical Chemistry Chemical Physics*, 2010, vol. 12, no. 42, p. 13922-13932. (2009: 4.116 - IF, 2.147 - SJR, Q1 - SJR, karentované - CCC). (2010 - Current Contents). ISSN 1463-9076. Dostupné na: <https://doi.org/10.1039/c0cp00588f>

Citácie:

1. [1.1] BERSON, Jonathan - MOOSMANN, Markus - WALHEIM, Stefan - SCHIMMEL, Thomas. Mechanically Induced Switching of Molecular Layers. In

NANO LETTERS. ISSN 1530-6984, 2019, vol. 19, no. 2, pp. 816-822.,

Registrované v: WOS

2. [1.1] CHAO, Danming - YANG, Yimeng - JIA, Xiaoteng - BERDA, Erik B. Rationally-designed multi responsive fluorescent switching polymer films. In DYES AND PIGMENTS. ISSN 0143-7208, 2019, vol. 167, pp. 77-82.,

Registrované v: WOS

3. [1.1] MICHOFF, Martin E. Zoloff - RIBAS-ARINO, Jordi - MARX, Dominik. Selective Nanomechanics of Aromatic versus Aliphatic Thiolates on Gold Surfaces. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 122, no. 8, 086801., Registrované v: WOS

4. [1.1] ZANG, Yaping - ZOU, Qi - FU, Tianren - NG, Fay - FOWLER, Brandon - YANG, Jingjing - LI, Hexing - STEIGERWALD, Michael L. - NUCKOLLS, Colin - VENKATARAMAN, Latha. Directing isomerization reactions of cumulenes with electric fields. In NATURE COMMUNICATIONS. ISSN 2041-1723, 2019, vol. 10, 4482., Registrované v: WOS

ADCA756 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. (2009: 3.453 - IF, Q2 - JCR, 1.945 - SJR, Q1 - SJR). ISSN 1439-7641. Dostupné na: <https://doi.org/10.1002/cphc.200900690>

Citácie:

1. [1.1] MEJIA, Leopoldo - FRANCO, Ignacio. Force-conductance spectroscopy of a single-molecule reaction. In CHEMICAL SCIENCE. ISSN 2041-6520, 2019, vol. 10, no. 11, pp. 3249-3256., Registrované v: WOS

ADCA757 TYE, R.P. - KUBIČÁR, Ľudovít - LOCKMULLER, N. The development of a standard for contact transient methods of measurement of thermophysical properties. In International Journal of Thermophysics, 2005, vol. 26, no. 6, p. 1917-1938. ISSN 0195-928X. Dostupné na: <https://doi.org/10.1007/s10765-005-8605-4>

Citácie:

1. [1.1] LEI, Wang - GASTRO, Omary - WANG, Yuanqi - FELICIEN, Nomenjanahary Homary. Computational fluid-dynamics-based simulation of heat transfer through vacuum glass. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2019, vol. 134, no. 7, 351., Registrované v: WOS

2. [1.1] SABAPATHY, Karthik A. - GEDUPUDI, Sateesh. Straw bale based constructions: Measurement of effective thermal transport properties. In CONSTRUCTION AND BUILDING MATERIALS. ISSN 0950-0618, 2019, vol. 198, pp. 182-194., Registrované v: WOS

ADCA758 UEDA, H. - OKUNISHI, K. - KRČMÁR, Roman - GENDIAR, Andrej - YUNOKI, S. - NISHINO, T. Critical behavior of the two-dimensional icosahedron model. In Physical Review E, 2017, vol. 96, no. 6, art. no. 062112. (2016: 2.366 - IF, Q1 - JCR, 1.271 - SJR, Q1 - SJR, karentované - CCC). (2017 - Current Contents, WOS, SCOPUS). ISSN 2470-0045. Dostupné na: <https://doi.org/10.1103/PhysRevE.96.062112>

Citácie:

1. [1.1] FLOREK, Wojciech - KAMIENIARZ, Grzegorz - MARLEWSKI, Adam. Universal lowest energy configurations in a classical Heisenberg model describing frustrated systems with wheel geometry. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 100, no. 5, 04434., Registrované v: WOS

ADCA759 URBÁNEK, Pavel** - KUŘITKA, Ivo - ŠEVČÍK, Jakub - TOUŠKOVÁ, Jana - TOUŠEK, Jiří - NÁDAŽDY, Vojtech - NÁDAŽDY, Peter - VÉGSO, Karol - ŠIFFALOVÍČ, Peter - RUTSCH, Radka - URBÁNEK, Michal. An experimental and

theoretical study of the structural ordering of the PTB7 polymer at a mesoscopic scale. In *Polymer : the International Journal for the Science and Technology of Polymers*, 2019, vol. 169, p. 243-254. (2018: 3.771 - IF, Q1 - JCR, 1.039 - SJR, Q1 - SJR, karentované - CCC). (2019 - Current Contents). ISSN 0032-3861. Dostupné na: <https://doi.org/10.1016/j.polymer.2019.02.048>

Citácie:

1. [1.1] JAMATIA, Thaiskang - SKODA, David - URBANEK, Pavel - SEVCIK, Jakub - MASLIK, Jan - MUNSTER, Lukas - KALINA, Lukas - KURITKA, Ivo. *Microwave-assisted synthesis of FexZn1-xO nanoparticles for use in MEH-PPV nanocomposites and their application in polymer light-emitting diodes. In JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS. ISSN 0957-4522, 2019, vol. 30, no. 12, pp. 11269-11281., Registrované v: WOS*

ADCA760 VARGA, Marek - MARCIN, Jozef - CAPIK, Marek - JANIČKOVIČ, Dušan - ŠVEC, Peter - ŠKORVÁNEK, Ivan. Magnetoimpedance Effect in Field Annealed (FeNi)78Nb7B15 Amorphous and Nanocrystalline Bilayer Ribbons. In *Acta Physica Polonica A*, 2014, vol. 126, no. 1, p. 122-123. (2013: 0.604 - IF, Q4 - JCR, 0.345 - SJR, karentované - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 1898-794X. Dostupné na: <https://doi.org/10.12693/APhysPolA.126.122> (CSMAG '13 : Czech and Slovak conference on magnetism)

Citácie:

1. [1.1] FENG, Zhu - ZHI, Shaotao - GUO, Lei - LEI, Chong - ZHOU, Yong. *Investigation of magnetic field anneal in micro-patterned amorphous ribbon on giant magneto-impedance effect enhancement. In SENSOR REVIEW. ISSN 0260-2288, 2019, vol. 39, no. 3, pp. 309-317., Registrované v: WOS*

ADCA761 VÉGSO, Karol - ŠIFFALOVIČ, Peter** - JERGEL, Matej - NÁDAŽDY, Peter - NÁDAŽDY, Vojtech - MAJKOVÁ, Eva. Kinetics of polymer-fullerene phase separation during solvent annealing studied by table-top X-ray scattering. In *ACS Applied Materials & Interfaces*, 2017, vol. 9, no. 9, p. 8241-8247. (2016: 7.504 - IF, Q1 - JCR, 2.561 - SJR, Q1 - SJR, karentované - CCC). (2017 - Current Contents). ISSN 1944-8244. Dostupné na: <https://doi.org/10.1021/acsami.6b15167>

Citácie:

1. [1.1] SILVA, Hugo Santos - RAMANITRA, Hasina H. - BREGADIOLLI, Bruna A. - TOURNEBIZE, Aurelien - BEGUE, Didier - DOWLAND, Simon A. - LARTIGAU-DAGRON, Christine - GRAEFF, Carlos F. O. - DISTLER, Andreas - PEISERT, Heiko - CHASSE, Thomas - HIORNS, Roger C. *In Situ Generation of Fullerene from a Poly(fullerene). In JOURNAL OF POLYMER SCIENCE PART B-POLYMER PHYSICS. ISSN 0887-6266, 2019, vol. 57, no. 21, pp. 1434-1452., Registrované v: WOS*

ADCA762 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. (2011: 4.186 - IF, Q1 - JCR, 2.051 - SJR, Q1 - SJR, karentované - CCC). (2012 - Current Contents). ISSN 0743-7463. Dostupné na: <https://doi.org/10.1021/la301577a>

Citácie:

1. [1.1] LI-DESTRI, Giovanni - RUFFINO, Roberta - TUCCITTO, Nunzio - MARLETTA, Giovanni. *In situ structure and force characterization of 2D nano-colloids at the air/water interface. In SOFT MATTER. ISSN 1744-683X, 2019, vol. 15, no. 42, pp. 8475-8482., Registrované v: WOS*

ADCA763 VÉGSO, Karol - ŠIFFALOVIČ, Peter - MAJKOVÁ, Eva - JERGEL, Matej - BENKOVIČOVÁ, Monika - KOCSIS, Teodora - WEIS, Martin Jr. - LUBY, Štefan -

NYGARD, K. - KONOVALOV, O. Nonequilibrium phases of nanoparticle Langmuir films. In *Langmuir*, 2012, vol. 28, no. 28, p. 10409-10414. (2011: 4.186 - IF, Q1 - JCR, 2.051 - SJR, Q1 - SJR, karentované - CCC). (2012 - Current Contents). ISSN 0743-7463. Dostupné na: <https://doi.org/10.1021/la301764t>

Citácie:

1. [1.1] MAITI, Santanu - MAITI, Sonam - MAIER, Andre - HAGENLOCHER, Jan - CHUMAKOV, Andrei - SCHREIBER, Frank - SCHEELE, Marcus. *Understanding the Formation of Conductive Mesocrystalline Superlattices with Cubic PbS Nanocrystals at the Liquid/Air Interface. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2019, vol. 123, no. 2, pp. 1519-1526., Registrované v: WOS*

ADCA764 VEĽSO, Karol - ŠIFFALOVIČ, Peter - BENKOVIČOVÁ, Monika - JERĽEL, Matej - LUBY, Štefan - MAJKOVÁ, Eva - CAPEK, Ignác - KOCISOVÁ, Teodora - PERLICH, J. - ROTH, S.V. GISAXS analysis of 3D nanoparticle assemblies- effect of vertical nanoparticle ordering. In *Nanotechnology*, 2012, vol. 23, no. 4, 045704. (2011: 3.979 - IF, Q1 - JCR, 1.899 - SJR, Q1 - SJR, karentované - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 0957-4484. Dostupné na: <https://doi.org/10.1088/0957-4484/23/4/045704>

Citácie:

1. [1.1] PANDIT, Pallavi - SCHWARTZKOPF, Matthias - ROTHKIRCH, Andre - ROTH, Stephan - BERNSTORFF, Sigrid - GUPTA, Ajay. *Structure-Function Correlations in Sputter Deposited Gold/Fluorocarbon Multilayers for Tuning Optical Response. In NANOMATERIALS, 2019, vol. 9, no. 9, 1249., Registrované v: WOS*

ADCA765 VESELSKÝ, Martin - SOULIOTIS, G.A. Production of cold fragments in nucleus-nucleus collisions in the Fermi-energy domain. In *Nuclear Physics A*, 2007. Vol. 781, no. 3-4, p. 521-530. ISSN 0375-9474. Dostupné na: <https://doi.org/10.1016/j.nuclphysa.2006.11.019>

Citácie:

1. [1.1] MIKHAILOVA, T. I. - ERDEMCHIMEG, B. - ARTUKH, A. G. - DI TORO, M. - WOLTER, H. H. COMBINED TRANSPORT AND STATISTICAL DESCRIPTION OF HEAVY-ION FRAGMENTATION REACTIONS. In *ACTA PHYSICA POLONICA B PROCEEDINGS SUPPLEMENT. ISSN 1899-2358, 2019, vol. 12, no. 3, pp. 619-628., Registrované v: WOS*

ADCA766 VESELSKÝ, Martin - KLIMO, Jozef - MA, Y.-G. - SOULIOTIS, G.A. Constraining the equation of state of nuclear matter from fusion hindrance in reactions leading to the production of superheavy elements. In *Physical Review C.*, 2016, vol. 94, no. 6, 064608. (2015: 3.146 - IF, Q2 - JCR, 1.993 - SJR, Q1 - SJR, karentované - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.94.064608>

Citácie:

1. [1.1] GODBEY, K. - UMAR, A. S. - SIMENEL, C. Deformed shell effects in Ca-48 + Bk-249 quasifission fragments. In *PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 2, 024610., Registrované v: WOS*
2. [1.1] UMAR, A. S. - SIMENEL, C. - AYIK, S. - GODBEY, K. Equilibration dynamics in nuclear reactions. In *IV INTERNATIONAL CONFERENCE ON NUCLEAR STRUCTURE AND DYNAMICS (NSD2019). ISSN 2100-014X, 2019, vol. 223, 01066., Registrované v: WOS*

ADCA767 VESELSKÝ, Martin - MA, Y.G. Symmetry energy and nucleon-nucleon cross sections. In *Physical Review C*, 2013, vol. 87, no. 3, 034615. (2012: 3.715 - IF, 2.769 - SJR, Q1 - SJR, karentované - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na:

<https://doi.org/10.1103/PhysRevC.87.034615>

Citácie:

1. [1.1] LIU, H. L. - MA, Y. G. - FANG, D. Q. *Finite-size scaling phenomenon of nuclear liquid-gas phase transition probes. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 5, 054614., Registrované v: WOS*

ADCA768

VESELSKÝ, Martin - ANDREYEV, A.N. - ANTALIC, S. - HUYSE, M. - MOELLER, P. - NISHIO, K. - SIERK, A.J. - VAN DUPPEN, P. - VENHART, Martin. Fission-barrier heights of neutron-deficient mercury nuclei. In Physical Review C. Nuclear physics, 2012, vol. 86, no. 2, 024308. (2011: 3.308 - IF, 2.962 - SJR, Q1 - SJR, karentované - CCC). (2012 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.86.024308>

Citácie:

1. [1.1] KHUYAGBAATAR, J. *beta(EC) delayed fission in the heaviest nuclei. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2019, vol. 55, no. 8, 134., Registrované v: WOS*

2. [1.1] RYSENS, W. - BENDER, M. - BENNACEUR, K. - HEENEN, P-H - MEYER, J. *Impact of the surface energy coefficient on the deformation properties of atomic nuclei as predicted by Skyrme energy density functionals. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 4, 044315., Registrované v: WOS*

ADCA769

VESELSKÝ, Martin - SOULIOTIS, G.A. Production of exotic nuclei in peripheral nucleus-nucleus collisions below 10 A MeV. In Nuclear Physics A, 2011, vol. 872, no. 1, p. 1-12. (2010: 1.986 - IF, Q2 - JCR, 1.153 - SJR, Q2 - SJR, karentované - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 0375-9474. Dostupné na: <https://doi.org/10.1016/j.nuclphysa.2011.09.016>

Citácie:

1. [1.1] LI, Cheng - SOKHNA, Cheikh A. T. - XU, Xinxin - LI, Jingjing - ZHANG, Gen - LI, Bing - GE, Zhishuai - ZHANG, Feng-Shou. *Isospin equilibration in multinucleon transfer reaction at near-barrier energies. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 3, 034619., Registrované v: WOS*

ADCA770

VIDA, Gy.J. - SIMON, E. - RÓZSA, L. - PALOTÁS, Krisztián - SZUNYOGH, L. Domain-wall profiles in Co/Ir-n/Pt(111) ultrathin films: Influence of the Dzyaloshinskii-Moriya interaction. In Physical Review B, 2016, vol. 94, no. 21, 214422. (2015: 3.718 - IF, Q1 - JCR, 2.377 - SJR, Q1 - SJR, karentované - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.94.214422>

Citácie:

1. [1.1] HONG, Y. - QIU, Z. G. - ZHENG, Z. G. - WANG, G. - YU, H. Y. - CHEN, D. Y. - HAN, G. B. - ZENG, D. C. - LIU, J. P. *Influencing mechanisms of atomic diffusion and compositional distribution on the magnetic anisotropy of Cr/SmCo/(Cu)/Cr thin films. In ACTA MATERIALIA. ISSN 1359-6454, 2019, vol. 164, no., pp. 627-635., Registrované v: WOS*

2. [1.1] ISHIKURO, Yuto - KAWAGUCHI, Masashi - KATO, Naoaki - LAU, Yong-Chang - HAYASHI, Masamitsu. *Dzyaloshinskii-Moriya interaction and spin-orbit torque at the Ir/Co interface. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 99, no. 13, 134421., Registrované v: WOS*

3. [1.1] KLOODT-TWESTEN, Fabian - KUHRAU, Susanne - OEPEN, Hans Peter - FROEMTER, Robert. *Measuring the Dzyaloshinskii-Moriya interaction of the epitaxial Co/Ir(111) interface. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 100, no. 10, 100402., Registrované v: WOS*

4. [1.1] ZIMMERMANN, Bernd - BIHLMAYER, Gustav - BOETTCHER, Marie - BOUHASSOUNE, Mohammed - LOUNIS, Samir - SINOVA, Jairo - HEINZE, Stefan - BLUEGEL, Stefan - DUPE, Bertrand. *Comparison of first-principles*

methods to extract magnetic parameters in ultrathin films: Co/Pt(111). In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 99, no. 21, 214426., Registrované v: WOS

- ADCA771 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.

Citácie:

1. [1.1] DIAZ-BAUTISTA, Erik - FERNANDEZ C, David J. Multiphoton supercoherent states. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2019, vol. 134, no. 2, 61., Registrované v: WOS

- ADCA772 VLASÁK, Gabriel - ŠVEC, Peter - DUHAJ, Pavol. Evolution of magnetostriction in Fe_{73.5}-xNiCu₁Nb₃Si_{13.5}B₉ (x= 0, 10, 20, 30, 40) alloy in the course of transformation. In Journal of Magnetism and Magnetic Materials, 2003, vol. 254, p. 225-227.

Citácie:

1. [1.1] LUKSHINA, V. A. - DMITRIEVA, N. V. - VOLKOVA, E. G. - SHISHKIN, D. A. Structure of the Fe_{63.5}Ni₁₀Cu₁Nb₃Si_{13.5}B₉ Alloy Nanocrystallized in the Presence of Tensile Stresses. In PHYSICS OF METALS AND METALLOGRAPHY. ISSN 0031-918X, 2019, vol. 120, no. 12, pp. 1145-1151., Registrované v: WOS

- ADCA773 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. (2010: 2.138 - IF, Q1 - JCR, 1.073 - SJR, Q1 - SJR, karentované - CCC). (2011 - Current Contents). ISSN 0925-8388. Dostupné na: <https://doi.org/10.1016/j.jallcom.2010.12.106>

Citácie:

1. [1.1] CHEN, Zhe - ZHU, Qian-Ke - ZHANG, Shu-Ling - ZHANG, Ke-Wei - JIANG, Yong. Thermal stability, crystallization, and magnetic properties of FeNiBCuNb alloys. In CHINESE PHYSICS B. ISSN 1674-1056, 2019, vol. 28, no. 8, 087502., Registrované v: WOS

- ADCA774 VOLKOV, M.K. - EBERT, D. - NAGY, Miroslav. Excited pions, rho- and omega-mesons and their decays in a chiral SU(2)_xSU(2) Lagrangian. In International Journal of Modern Physics A, 1998, vol. 13, no. 32, p. 5443-5457. ISSN 0217-751X. Dostupné na: <https://doi.org/10.1142/S0217751X9800247X>

Citácie:

1. [1.1] ESHRAIM, Walaa I. Decay of the pseudoscalar glueball and its first excited state into scalar and pseudoscalar mesons and their first excited states. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 100, no. 9, 096007., Registrované v: WOS

- ADCA775 VOLKOV, M.K. - NAGY, Miroslav - YUDICHEV, V.L. Scalar mesons in the Nambu- Jona- Lasinio model with the 't Hooft interaction. In Nuovo Cimento della Societa Italiana di Fisica A, 1999, vol. 112, no. 3, p. 225-232. Dostupné na: <https://doi.org/10.1007/BF03035844>

Citácie:

1. [1.1] LAKASCHUS, Phillip - MAULDIN, Justin L. P. - GIACOSA, Francesco - RISCHKE, Dirk H. Role of a four-quark and a glueball state in pion-pion and pion-nucleon scattering. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 4, 045203., Registrované v: WOS

- ADCA776 VOLKOV, M. K. - YUDICHEV, V. L. - NAGY, Miroslav. Decays of excited pseudoscalar and vector mesons in the chiral U(3) x U(3) model. Dostupné na: <https://doi.org/10.1007/BF03035904>

Citácie:

1. [1.1] ESHRAIM, Walaa I. Decay of the pseudoscalar glueball and its first excited state into scalar and pseudoscalar mesons and their first excited states. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2019, vol. 100, no. 9, 096007., Registrované v: WOS

- ADCA777 VONTA, N. - SOULIOTIS, G.A. - LOVELAND, W. - KWON, Y.K. - TSHOO, K. - JEONG, S.C. - VESELSKÝ, Martin - BONASERA, A. - BOTVINA, A. Neutron-rich rare-isotope production from projectile fission of heavy nuclei near 20 MeV/nucleon beam energy. In *Physical Review C*, 2016, vol. 94, no. 6, 064611. (2015: 3.146 - IF, Q2 - JCR, 1.993 - SJR, Q1 - SJR, karentované - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.94.064611>

Citácie:

1. [1.1] CAP, T. - SIWEK-WILCZYNSKA, K. - WILCZYNSKI, J. - AUDITORE, L. - CARDELLA, G. - DE FILIPPO, E. - GERACI, E. - GRZESZCZUK, A. - LA GUIDARA, E. - GNOFFO, G. - KOZIK, T. - LANZALONE, G. - LOMBARDO, I - MARTORAMA, M. - NAJMAN, R. - NICOLIS, N. G. - PAGANO, A. - PAGANO, E. - PAPA, M. - PIASECKI, E. - PIRRONE, S. - PLANETA, R. - POLITI, G. - RIZZOI, F. - RUSSOTTO, P. - SKWIRA-CHALOT, I - TRIFIRO, A. - TRIMARCHI, M. - VERDE, G. - ZIPPER, W. COMPETITION BETWEEN DYNAMICAL AND SEQUENTIAL REACTION CHANNELS IN Au-197+Au-197 COLLISIONS AT A BOMBARDING ENERGY OF 23A MeV. In *ACTA PHYSICA POLONICA B*. ISSN 0587-4254, 2019, vol. 50, no. 3, pp. 501-506., Registrované v: WOS

- ADCA778 VONTA, N. - SOULIOTIS, G.A. - VESELSKÝ, Martin - BONASERA, A. Microscopic dynamical description of proton-induced fission with the constrained molecular dynamics model. In *Physical Review C*, 2015, vol. 92, no. 2, 024616. (2014: 3.733 - IF, 2.480 - SJR, Q1 - SJR, karentované - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.92.024616>

Citácie:

1. [1.1] YANG, Guanming - XU, Suyang - JIN, Mengting - SU, Jun. Prediction of the cross-sections of isotopes produced in deuteron-induced spallation of long-lived fission products. In *CHINESE PHYSICS C*. ISSN 1674-1137, 2019, vol. 43, no. 10, 104101., Registrované v: WOS

- ADCA779 VOURNA, P. - HRISTOFOROU, E. - K TENA, A. - ŠVEC, Peter - MANGIOROU, E. Dependence of Magnetic Permeability on Residual Stresses in Welded Steels. In *IEEE Transactions on Magnetics*, 2017, vol. 53, no. 4, art. no. 7742409. (2016: 1.243 - IF, Q3 - JCR, 0.653 - SJR, Q1 - SJR, karentované - CCC). (2017 - Current Contents). ISSN 0018-9464. Dostupné na: <https://doi.org/10.1109/TMAG.2016.2628025>

Citácie:

1. [1.1] REN, W. P. - XU, K. - DIXON, S. A Study of Stress Dependent Magnetostriction on Steel Plate by Analysis of an Electromagnetically Generated S0 Lamb Wave. In *JOURNAL OF NONDESTRUCTIVE EVALUATION*. ISSN 0195-9298, 2019, vol. 38, no. 4, 102., Registrované v: WOS

- ADCA780 VRŠANSKÝ, Peter* - VRŠANSKÁ, Lucia* - BEŇO, Milan* - BAO, Tong - LEI, Xiaojie - REN, Xiaoyin - WU, H. - ŠMÍDOVÁ, Lucia - BECHLY, Günter - JUN, Lv - YEO, Melvyn - JARZEMBOWSKI, Edmund. Pathogenic DWV infection symptoms in a Cretaceous cockroach. In *Palaeontographica : Abteilung A - Paläozoologie Stratigraphie*, 2019, vol. 314, no. 1-3, p. 1-10. (2018: 1.294 - IF, Q3 - JCR, 0.587 - SJR, Q2 - SJR, karentované - CCC). (2019 - Current Contents). ISSN 0375-0442. Dostupné na: <https://doi.org/10.1127/pala/2019/0084>

Citácie:

1. [1.1] BARNA, Peter - SMIDOVA, Lucia - COUTINO JOSE, Marco Antonio. Living cockroach genus *Anaplecta* discovered in Chiapas amber (Blattaria: Ectobiidae: *Anaplecta vega* sp.n.). In PEERJ. ISSN 2167-8359, 2019, vol. 7, no., pp., Registrované v: WOS
2. [1.1] CHEN, Tao - LIU, Shaohua - LE, Xiaojie - CHEN, Lei. A new cockroach (Insecta: Blattaria: Blattulidae) from the Lower Cretaceous Laiyang Formation of China. In CRETACEOUS RESEARCH. ISSN 0195-6671, 2019, vol. 101, pp. 17-22., Registrované v: WOS
3. [1.1] MLYNSKY, Tomas - WU, Hao - KOUBOVA, Ivana. Dominant Burmite cockroach *Jantaropterix ellenbergeri* sp.n. might laid isolated eggs together. In PALAEONTOGRAPHICA ABTEILUNG A-PALAOZOOLOGIE-STRATIGRAPHIE. ISSN 0375-0442, 2019, vol. 314, no. 1-3, pp. 69-79., Registrované v: WOS

ADCA781 VRŠANSKÝ, Peter* - SENDI, Hemen** - ARISTOV, Danil* - BECHLY, Günter - MÜLLER, Patrick - ELLENBERGER, Sieghard - AZAR, Dany - UEDA, K. - BARNA, Peter - GARCIA, Thierry. Ancient roaches further exemplify 'no land return'; in aquatic insects. In Gondwana Research, 2019, vol. 68, p. 22-33. (2018: 6.478 - IF, Q1 - JCR, 3.612 - SJR, Q1 - SJR, karentované - CCC). (2019 - Current Contents). ISSN 1342-937X. Dostupné na: <https://doi.org/10.1016/j.gr.2018.10.020>

Citácie:

1. [1.1] BARNA, Peter - SMIDOVA, Lucia - COUTINO JOSE, Marco Antonio. Living cockroach genus *Anaplecta* discovered in Chiapas amber (Blattaria: Ectobiidae: *Anaplecta vega* sp.n.). In PEERJ. ISSN 2167-8359, 2019, vol. 7, no., pp., Registrované v: WOS
2. [1.1] CHEN, Tao - LIU, Shaohua - LE, Xiaojie - CHEN, Lei. A new cockroach (Insecta: Blattaria: Blattulidae) from the Lower Cretaceous Laiyang Formation of China. In CRETACEOUS RESEARCH. ISSN 0195-6671, 2019, vol. 101, pp. 17-22., Registrované v: WOS
3. [1.1] HINKELMAN, Jan. *Spinaeblattina myanmarensis* gen. et sp. nov. and *Blattothecichnus argenteus* ichnogen. et ichnosp. nov. (both Mesoblattinidae) from mid-Cretaceous Myanmar amber. In CRETACEOUS RESEARCH. ISSN 0195-6671, 2019, vol. 99, pp. 229-239., Registrované v: WOS

ADCA782 WALLS, B. - LUBBEN, O. - PALOTÁS, Krisztián - FLEISCHER, K. - WALSHE, K. - SHVETS, I.V. Oxygen vacancy induced surface stabilization: (110) terminated magnetite. In Physical Review B, 2016, vol. 94, no. 16, art. no. 165424. (2015: 3.718 - IF, Q1 - JCR, 2.377 - SJR, Q1 - SJR, karentované - CCC). (2016 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.94.165424>

Citácie:

1. [1.1] LAHMER, M. A. First-principles study of the structural and electronic properties of the clean and O-deficient ZnAl₂O₄(111) surfaces. In SURFACE SCIENCE. ISSN 0039-6028, 2019, vol. 682, pp. 75-83., Registrované v: WOS
2. [1.1] MUELLNER, Matthias - RIVA, Michele - KRAUSHOFER, Florian - SCHMID, Michael - PARKINSON, Gareth S. - MERTENS, Stijn F. L. - DIEBOLD, Ulrike. Stability and Catalytic Performance of Reconstructed Fe₃O₄(001) and Fe₃O₄(110) Surfaces during Oxygen Evolution Reaction. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2019, vol. 123, no. 13, pp. 8304-8311., Registrované v: WOS

ADCA783 WANG, Mengru* - LI, Bo* - ŠIFFALOVIČ, Peter - CHEN, Lung-Chien - CAO, Guozhong - TIAN, Jianjun**. Monolayer-like Hybrid Halide Perovskite Films Prepared by Additive Engineering without Antisolvent for Solar Cells. In Journal of

Materials Chemistry C, 2018, vol. 6, no. 31, p. 15386-15394. (2017: 5.976 - IF, Q1 - JCR, 1.917 - SJR, Q1 - SJR, karentované - CCC). (2018 - Current Contents). ISSN 2050-7526. Dostupné na: <https://doi.org/10.1039/c8ta04794d>

Citácie:

1. [1.1] GONG, Jue - LI, Xun - GUO, Peijun - ZHANG, Ian - HUANG, Wei - LU, Ke - CHENG, Yingwen - SCHALLER, Richard D. - MARKS, Tobin J. - XU, Tao. Energy-distinguishable bipolar UV photoelectron injection from LiCl-promoted FAPbCl(3) perovskite nanorods. In JOURNAL OF MATERIALS CHEMISTRY A. ISSN 2050-7488, 2019, vol. 7, no. 21, pp. 13043-13049., Registrované v: WOS
2. [1.1] LI, Bo - BINKS, David - CAO, Guozhong - TIAN, Jianjun. Engineering Halide Perovskite Crystals through Precursor Chemistry. In SMALL. ISSN 1613-6810, 2019, vol. 15, no. 47, 1903613., Registrované v: WOS
3. [1.1] LIU, Xuping - WU, Jihuai - GUO, Qiyao - YANG, Yuqian - LUO, Hui - LIU, Quanzhen - WANG, Xiaobing - HE, Xin - HUANG, Miaoliang - LAN, Zhang. Pyrrole: an additive for improving the efficiency and stability of perovskite solar cells. In JOURNAL OF MATERIALS CHEMISTRY A. ISSN 2050-7488, 2019, vol. 7, no. 19, pp. 11764-11770., Registrované v: WOS
4. [1.1] WANG, Gaoxiang - WANG, Lipeng - QIU, Jianhang - YAN, Zheng - TAI, Kaiping - YU, Wei - JIANG, Xin. Fabrication of efficient formamidinium perovskite solar cells under ambient air via intermediate-modulated crystallization. In SOLAR ENERGY. ISSN 0038-092X, 2019, vol. 187, pp. 147-155., Registrované v: WOS
5. [1.1] WANG, Tun - DING, Dong - ZHENG, Hao - WANG, Xin - WANG, Jiayuan - LIU, Hong - SHEN, Wenzhong. Efficient Inverted Planar Perovskite Solar Cells Using Ultraviolet/Ozone-Treated NiOx as the Hole Transport Layer. In SOLAR RRL. ISSN 2367-198X, 2019, vol. 3, no. 6, 1900045., Registrované v: WOS
6. [1.1] YANG, Shaomin - ZHAO, Huan - HAN, Yu - DUAN, Chenyang - LIU, Zhike - LIU, Shengzhong (Frank). Europium and Acetate Co-doping Strategy for Developing Stable and Efficient CsPbI2Br Perovskite Solar Cells. In SMALL. ISSN 1613-6810, 2019, vol. 15, no. 46, 1904387., Registrované v: WOS
7. [1.1] YUAN, Shihao - CAI, Yuan - YANG, Shaomin - ZHAO, Huan - QIAN, Fang - HAN, Yu - SUN, Jie - LIU, Zhike - LIU, Shengzhong (Frank). Simultaneous Cesium and Acetate Coalloying Improves Efficiency and Stability of FA(0.85)MA(0.15)PbI(3) Perovskite Solar Cell with an Efficiency of 21.95%. In SOLAR RRL. ISSN 2367-198X, 2019, vol. 3, no. 9, 1900220., Registrované v: WOS
8. [1.1] ZHUANG, Xueheng - ZHANG, Ying - ZHANG, Jing - CHEN, Yajiang - ZHU, Yuejin. The roles of acetylacetone additives in enhancing perovskite solar cell performance. In MATERIALS RESEARCH EXPRESS. ISSN 2053-1591, 2019, vol. 6, no. 2, 025512., Registrované v: WOS

ADCA784

WAX, J.F. - JOHNSON, M.R. - BOVE, L.E. - MIHALKOVIČ, Marek. Multiscale study of the influence of chemical order on the properties of liquid Li-Bi alloys. In Physical Review B, 2011, vol. 83, no. 14, 144203. (2010: 3.774 - IF, Q1 - JCR, 3.318 - SJR, Q1 - SJR, karentované - CCC). (2011 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.83.144203>

Citácie:

1. [1.1] DORINI, Thiago T. - ELENIO, Luiz T. F. Liquid Bi-Pb and Bi-Li alloys: Mining thermodynamic properties from ab-initio molecular dynamics calculations using thermodynamic models. In CALPHAD-COMPUTER COUPLING OF PHASE DIAGRAMS AND THERMOCHEMISTRY. ISSN 0364-5916, 2019, vol.

67, UNSP 101687., Registrované v: WOS

- ADCA785 WIDOM, M. - MIHALKOVIČ, Marek. Stability of Fe-based alloys with structure type C6Cr23. In Journal of Materials Research, 2005, vol. 20, no. 1, p. 237-242. ISSN 0884-2914. Dostupné na: <https://doi.org/10.1557/JMR.2005.0028>

Citácie:

1. [1.1] LI, H. X. - LU, Z. C. - WANG, S. L. - WU, Y. - LU, Z. P. Fe-based bulk metallic glasses: Glass formation, fabrication, properties and applications. In PROGRESS IN MATERIALS SCIENCE. ISSN 0079-6425, 2019, vol. 103, pp. 235-318., Registrované v: WOS

- ADCA786 WIDOM, M. - MIHALKOVIČ, Marek. Symmetry-broken crystal structure of elemental boron at low temperature. In Physical Review B, 2008, vol. 77, no. 6, 064113. (2007: 3.172 - IF, Q1 - JCR, 2.892 - SJR, Q1 - SJR, karentované - CCC). (2008 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.77.064113>

Citácie:

1. [1.1] JAY, Antoine - DUPARC, Olivier Hardouin - SJAKSTE, Jelena - VAST, Nathalie. Theoretical phase diagram of boron carbide from ambient to high pressure and temperature. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2019, vol. 125, no. 18, 185902., Registrované v: WOS
2. [1.1] PODRYABINKIN, Evgeny - TIKHONOV, Evgeny - SHAPEEV, Alexander - OGANOV, Artem R. Accelerating crystal structure prediction by machine-learning interatomic potentials with active learning. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 99, no. 6, 064114., Registrované v: WOS

- ADCA787 WILSON GORDON, A.D. - BUŽEK, Vladimír - KNIGHT, P.L. Statistical and phase properties of displaced kerr states. In Physical Review A, 1991, vol. 44, no. 11, p. 7647-7656. ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.44.7647>

Citácie:

1. [1.1] KALAGA, J. K. - KOWALEWSKA-KUDLASZYK, A. - JAROSIK, M. W. - SZCZESNIAK, R. - LEONSKI, W. Enhancement of the entanglement generation via randomly perturbed series of external pulses in a nonlinear Bose-Hubbard dimer. In NONLINEAR DYNAMICS. ISSN 0924-090X, 2019, vol. 97, no. 2, pp. 1619-1633., Registrované v: WOS
2. [1.1] KALAGA, J. K. - KOWALEWSKA-KUDLASZYK, A. Frequency variations in impulse excitations as a way of entanglement increase in the two-mode Bose-Hubbard model. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS. ISSN 0740-3224, 2019, vol. 36, no. 8, pp. 2140-2146., Registrované v: WOS
3. [1.1] VINTSKEVICH, S. V. - GRIGORIEV, D. A. - FILIPPOV, S. N. Effect of an incoherent pump on two-mode entanglement in optical parametric generation. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 5, 053811., Registrované v: WOS

- ADCA788 WOCJAN, P. - CHIANG, Chen-Fu - ABEYESINGHE, A. - NAGAJ, Daniel. Quantum algorithm for approximating partition functions. In Physical Review A, 2009, vol. 80, no. 2, 022340. ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.80.022340>

Citácie:

1. [1.1] CUI, Jingyi - GUO, Jiansheng - XU, Linhong - LI, Mingming. Quantum algorithms for learning Walsh spectra of multi-output Boolean functions. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2019, vol. 18, no. 6, 180., Registrované v: WOS
2. [1.1] GYONGYOSI, Laszlo - IMRE, Sandor. A Survey on quantum computing

- technology. In COMPUTER SCIENCE REVIEW. ISSN 1574-0137, 2019, vol. 31, pp. 51-71., Registrované v: WOS*
- ADCA789 WUNSCHÉ, 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.
- Citácie:*
1. [1.1] ANIELLO, Paolo. A class of stochastic products on the convex set of quantum states. In *JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2019, vol. 52, no. 30, 305302., Registrované v: WOS*
- ADCA790 YADAV, S.** - KUŘITKA, Ivo - HAVLICA, Jaromír - HNATKO, Miroslav - CIGÁŇ, Alexander - MASILKO, J. - KALINA, L. - HAJDÚCHOVÁ, M. - RUSNÁK, Jaroslav - ENEV, V. Structural, magnetic, elastic, dielectric and electrical properties of hot-pressed sintered $\text{Co}_{1-x}\text{Zn}_x\text{Fe}_2\text{O}_4$ ($x = 0.0, 0.5$) spinel ferrite nanoparticles. In *Journal of Magnetism and Magnetic Materials*, 2018, vol. 447, p. 48-57. (2017: 3.046 - IF, Q2 - JCR, 0.786 - SJR, Q1 - SJR, karentované - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 0304-8853. Dostupné na: <https://doi.org/10.1016/j.jmmm.2017.09.033>
- Citácie:*
1. [1.1] HAN, Li-an - ZHAI, Wan-lin - BAI, Bing - ZHU, Hua-ze - YANG, Jing - YAN, Zheng-xin - ZHANG, Tao. Critical behavior in $\text{Ni}_{0.15}\text{Cu}_{0.15}\text{Zn}_{0.7}\text{Fe}_2\text{O}_4$ spinel ferrite. In *CERAMICS INTERNATIONAL. ISSN 0272-8842, 2019, vol. 45, no. 11, pp. 14322-14326., Registrované v: WOS*
2. [1.1] KIRANKUMAR, Venkat Savunthari - SUMATHI, Shanmugam. Copper and cerium co-doped cobalt ferrite nanoparticles: structural, morphological, optical, magnetic, and photocatalytic properties. In *ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH. ISSN 0944-1344, 2019, vol. 26, no. 19, pp. 19189-19206., Registrované v: WOS*
3. [1.1] KORKMAZ, A. D. - GUENER, S. - SLIMANI, Y. - GUNGUNES, H. - AMIR, Md. - MANIKANDAN, A. - BAYKAL, A. Microstructural, Optical, and Magnetic Properties of Vanadium-Substituted Nickel Spinel Nanoferrites. In *JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM. ISSN 1557-1939, 2019, vol. 32, no. 4, pp. 1057-1065., Registrované v: WOS*
4. [1.1] MANSOUR, S. F. - AL-HAZMI, Faten - ABDO, M. A. Relaxation time enhancement of cobalt zinc nanoferrites via Cr^{3+} doping. In *JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2019, vol. 792, pp. 626-637., Registrované v: WOS*
5. [1.1] MANSOUR, S. F. - DAWOOD, Ali - ABDO, M. A. Enhanced magnetic and dielectric properties of doped Co-Zn ferrite nanoparticles by virtue of Cr^{3+} role. In *JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS. ISSN 0957-4522, 2019, vol. 30, no. 18, pp. 17262-17275., Registrované v: WOS*
6. [1.1] MOHAMED, W. S. - ALZAID, Meshal - ABDELBAKY, Mohammed S. M. - AMGHOUS, Zakariae - GARCIA-GRANDA, Santiago - ABU-DIEF, Ahmed M. Impact of Co^{2+} Substitution on Microstructure and Magnetic Properties of $\text{Co}_x\text{Zn}_{1-x}\text{Fe}_2\text{O}_4$ Nanoparticles. In *NANOMATERIALS, 2019, vol. 9, no. 11, 1602., Registrované v: WOS*
7. [1.1] MSOMI, J. Z. - MASUKU, S. J. - NHLAPO, T. A. - MOYO, T. - STRYDOM, A. M. - BRITZ, D. - JILI, T. P. Superparamagnetic Behavior of Zn and Al Substituted Cobalt Nanoferrites. In *JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM. ISSN 1557-1939, 2019, vol. 32, no. 9, pp. 2793-2797., Registrované v: WOS*
8. [1.1] NASRIN, Sharifa - KHAN, Subrin Mostafa - MATIN, M. A. - KHAN, M.

N. I. - HOSSAIN, A. K. M. Akther - RAHAMAN, Md. D. *Synthesis and deciphering the effects of sintering temperature on structural, elastic, dielectric, electric and magnetic properties of magnetic Ni_{0.25}Cu_{0.13}Zn_{0.62}Fe₂O₄ ceramics*. In *JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS*. ISSN 0957-4522, 2019, vol. 30, no. 11, pp. 10722-10741., Registrované v: WOS

9. [1.1] SAGAYARAJ, R. - ARAVAZHI, S. - CHANDRASEKARAN, G. *Effect of Zinc Content on Structural, Functional, Morphological, Resonance, Thermal and Magnetic Properties of Co_{1-x}Zn_xFe₂O₄/PVP Nanocomposites*. In *JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS*. ISSN 1574-1443, 2019, vol. 29, no. 6, pp. 2252-2261., Registrované v: WOS

10. [1.1] SARKAR, K. - MONDAL, R. - DEY, S. - MAJURNDER, S. - KUMAR, S. *Presence of mixed magnetic phase in mechanically milled nanosized Co_{0.5}Zn_{0.5}Fe₂O₄: A study on structural, magnetic and hyperfine properties*. In *JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS*. ISSN 0304-8853, 2019, vol. 487, UNSP 165303., Registrované v: WOS

11. [1.1] SAVUNTHARI, Kirankumar Venkat - SHANMUGAM, Sumathi. *Effect of co-doping of bismuth, copper and cerium in zinc ferrite on the photocatalytic degradation of bisphenol A*. In *JOURNAL OF THE TAIWAN INSTITUTE OF CHEMICAL ENGINEERS*. ISSN 1876-1070, 2019, vol. 101, pp. 105-118., Registrované v: WOS

12. [1.1] SHAMIM, Md Kashif - SHARMA, Seema - CHOUDHARY, R. J. *Structure, electrical and magnetic properties of Co_{0.8}Zn_{0.2}Fe₂O₄/(K_{0.47}Na_{0.47}Li_{0.6}) NbO₃ bilayered thin films grown by pulsed laser deposition*. In *JOURNAL OF APPLIED PHYSICS*. ISSN 0021-8979, 2019, vol. 126, no. 13, 134104., Registrované v: WOS

ADCA791 YAKYMOVYCH, A. - PLEVACHUK, Yu. - ŠVEC, Peter - JANIČKOVIČ, Dušan - ŠEBO, Pavol - BERONSKÁ, Nad'a - NOSKO, Martin - OROVČÍK, Ľubomír - ROSHANGHIAS, A. - IPSE, H. *Nanocomposite SAC solders: morphology, electrical and mechanical properties of Sn–3.8Ag–0.7Cu solders by adding Co nanoparticles*. In *Journal of Materials Science. Materials in Electronics*, 2017, vol. 28, no. 15, p. 10965-10973. (2016: 2.019 - IF, Q2 - JCR, 0.469 - SJR, Q2 - SJR, karentované - CCC). (2017 - Current Contents). ISSN 0957-4522. Dostupné na: <https://doi.org/10.1007/s10853-016-0067-5>

Citácie:

1. [1.1] DOGAN, Ali - ARSLAN, Huseyin. *Thermodynamic description of the viscosity of liquid solder alloys with minor Co impurities*. In *PHILOSOPHICAL MAGAZINE*. ISSN 1478-6435, 2019, vol. 99, no. 3, pp. 267-283., Registrované v: WOS

ADCA792 YAKYMOVYCH, A. - PLEVACHUK, Yu. - ŠVEC, Peter - ŠVEC, Peter Jr. - JANIČKOVIČ, Dušan - ŠEBO, Pavol - BERONSKÁ, Nad'a - ROSHANGHIAS, A. - IPSE, H. *Morphology and Shear Strength of Lead-Free Solder Joints with Sn_{3.0}Ag_{0.5}Cu Solder Paste Reinforced with Ceramic Nanoparticles*. In *Journal of Electronics Materials*, 2016, vol. 45, no. 12, p. 6143-6149. (2015: 1.491 - IF, Q2 - JCR, 0.555 - SJR, Q2 - SJR, karentované - CCC). (2016 - Current Contents). ISSN 0361-5235. Dostupné na: <https://doi.org/10.1007/s11664-016-4832-7> (VEGA č. 2/0172/16 : Štúdium termofyzikálnych vlastností kompozitov na báze TiB₂ a ZrB₂ s medenou maticou pre vysokoteplotné aplikácie)

Citácie:

1. [1.1] BANG, Junghwan - YU, Dong-Yurl - KO, Yong-Ho - SON, Jun-Hyuk - NISHIKAWA, Hiroshi - LEE, Chang-Woo. *Intermetallic compound growth between Sn-Cu-Cr lead-free solder and Cu substrate*. In *MICROELECTRONICS RELIABILITY*. ISSN 0026-2714, 2019, vol. 99, pp. 62-73., Registrované v: WOS

2. [1.1] MAYAPPAN, Ramani - SALLEH, Amirah - TOKIRAN, Nurul Atiqah - AWANG, N. A. Activation energy for Cu-Sn intermetallic in CNT-reinforced Sn-1.0Ag-0.5Cu solder. In *SOLDERING & SURFACE MOUNT TECHNOLOGY*. ISSN 0954-0911, 2019, vol. 32, no. 2, pp. 65-72., Registrované v: WOS
- ADCA793 YANG, C. - ADAMCZYK, L. - ADKINS, J.K. - AGAKISHIEV, G. - AGGARWAL, M.M. - FILIP, Peter. The STAR beam energy scan phase II physics and upgrades. In *Nuclear Physics A*, 2017, vol. 967, p. 800-803. (2016: 1.916 - IF, Q2 - JCR, 0.998 - SJR, Q2 - SJR, karentované - CCC). (2017 - Current Contents). ISSN 0375-9474. Dostupné na: <https://doi.org/10.1016/j.nuclphysa.2017.05.042>
- Citácie:
1. [1.1] AYALA, A. - HENTSCHINSKI, M. - HERNANDEZ, L. A. - LOEWE, M. - ZAMORA, R. EFFECTS OF SUPERSTATISTICS ON THE LOCATION OF THE EFFECTIVE QCD CRITICAL END POINT. In *UKRAINIAN JOURNAL OF PHYSICS*. ISSN 2071-0186, 2019, vol. 64, no. 8, pp. 665-671., Registrované v: WOS
2. [1.1] GALATYUK, Tetyana. Future facilities for high $\mu(B)$ physics. In *NUCLEAR PHYSICS A*. ISSN 0375-9474, 2019, vol. 982, pp. 163-169., Registrované v: WOS
3. [1.1] LAO, Hai-Ling - GAO, Ya-Qin - LIU, Fu-Hu. Energy Dependent Chemical Potentials of Light Particles and Quarks from Yield Ratios of Antiparticles to Particles in High Energy Collisions. In *UNIVERSE*, 2019, vol. 5, no. 6, 152., Registrované v: WOS
4. [1.1] MERZLAYA, Anastasia. Open Charm Measurements at CERN SPS Energies with the New Vertex Detector of the NA61/SHINE Experiment: Status and Plans. In *UNIVERSE*. ISSN 2218-1997, 2019, vol. 5, no. 1, 14., Registrované v: WOS
- ADCA794 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. (2009: 2.866 - IF, Q2 - JCR, 2.469 - SJR, Q1 - SJR, karentované - CCC). (2010 - Current Contents). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.82.060302>
- Citácie:
1. [1.1] FILLION-GOURDEAU, F. - LORIN, E. Simple digital quantum algorithm for symmetric first-order linear hyperbolic systems. In *NUMERICAL ALGORITHMS*. ISSN 1017-1398, 2019, vol. 82, no. 3, pp. 1009-1045., Registrované v: WOS
2. [1.1] LI, Yfan - HU, Jiaqi - ZHANG, Xiao-Ming - SONG, Zhigang - YUNG, Man-Hong. Variational Quantum Simulation for Quantum Chemistry. In *ADVANCED THEORY AND SIMULATIONS*, 2019, vol. 2, no. 4, 1800182., Registrované v: WOS
- ADCA795 ZALESK, J. - HOLEC, D. - MAŤKO, Igor - PETRENEC, M. - SARTORY, B. - KOUTNÁ, N. - DANIEL, R. - PITONAK, R. - KECKES, J.**. Peculiarity of self-assembled cubic nanolamellae in the TiN/AlN system: Epitaxial self-stabilization by element deficiency/excess. In *Acta Materialia*, 2017, vol. 131, p. 391-399. (2016: 5.301 - IF, Q1 - JCR, 3.210 - SJR, Q1 - SJR, karentované - CCC). (2017 - Current Contents). ISSN 1359-6454. Dostupné na: <https://doi.org/10.1016/j.actamat.2017.04.009>
- Citácie:
1. [1.1] SARINGER, Christian - TKADLETZ, Michael - STARK, Andreas - SCHELL, Norbert - CZETTL, Christoph - SCHALK, Nina. In-situ investigation of the oxidation behavior of metastable CVD-Ti1-xAlxN using a novel combination of synchrotron radiation XRD and DSC. In *SURFACE & COATINGS*

TECHNOLOGY. ISSN 0257-8972, 2019, vol. 374, pp. 617-624., Registrované v: WOS

2. [1.1] TKADLETZ, Michael - HOFER, Christina - WUESTEFELD, Christina - SCHALK, Nina - MOTYLENKO, Mykhaylo - RAFAJA, David - HOLZSCHUH, Helga - BURGİN, Werner - SARTORY, Bernhard - MITTERER, Christian - CZETTL, Christoph. Thermal stability of nanolamellar fcc-Ti1-xAlxN grown by chemical vapor deposition. In ACTA MATERIALIA. ISSN 1359-6454, 2019, vol. 174, pp. 195-205., Registrované v: WOS

3. [1.1] UNY, Florent - ACHACHE, Sofiane - LAMRI, Salim - GHANBAJA, Jaafar - FISCHER, Evelyne - PONS, Michel - BLANQUET, Elisabeth - SCHUSTER, Frederic - SANCHETTE, Frederic. Deposition and characterization of (Ti, Al)N coatings deposited by thermal LPCVD in an industrial reactor. In SURFACE & COATINGS TECHNOLOGY. ISSN 0257-8972, 2019, vol. 358, pp. 923-933., Registrované v: WOS

ADCA796 ZÁPRAŽNÝ, Zdenko** - KORYTÁR, Dušan - JERGEL, Matej - HALAHOVETS, Yuriy - KOTLÁR, M. - MAŤKO, Igor - HAGARA, Jakub - ŠIFFALOVIC, Peter - KEČKÉŠ, Jozef - MAJKOVÁ, Eva. Characterization of the chips generated by the nanomachining of germanium for X-ray crystal optics. In International Journal of Advanced Manufacturing Technology, 2019, vol. 102, no. 9-12, p. 2757-2767. (2018: 2.496 - IF, Q2 - JCR, 0.987 - SJR, Q1 - SJR, karentované - CCC). (2019 - Current Contents). ISSN 0268-3768. Dostupné na: <https://doi.org/10.1007/s00170-019-03392-z> (VEGA 2/0092/18)

Citácie:

1. [1.1] SHAHINIAN, Hossein - NAVARE, Jayesh - BODLAPATI, Charan - ZAYTSEV, Dmytro - KANG, Di - RAVINDRA, Deepak. High speed ultraprecision machining of germanium. In OPTIFAB 2019. ISSN 0277-786X, 2019, vol. 11175, UNSP 111750E., Registrované v: WOS

ADCA797 ZELENÁKOVÁ, Adriana - ZELENÁK, Vladimír - MAŤKO, Igor - STREČKOVÁ, Magdaléna - HRUBOVČÁK, Pavol - KOVÁČ, Jozef. Superferromagnetism in chain-like Fe@SiO2 nanoparticle ensembles. In Journal of Applied Physics, 2014, vol. 116, 033907. (2013: 2.185 - IF, Q2 - JCR, 1.165 - SJR, karentované - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 0021-8979. Dostupné na: <https://doi.org/10.1063/1.4890354>

Citácie:

1. [1.1] ARORA, A. - PHILLIPS, L. C. - NUKALA, P. - BEN HASSINE, M. - UNAL, A. A. - DKHI, B. - BALCELLS, Li - IGLESIAS, O. - BARTHELEMY, A. - KRONAST, F. - BIBES, M. - VALENCIA, S. Switching on superferromagnetism. In PHYSICAL REVIEW MATERIALS. ISSN 2475-9953, 2019, vol. 3, no. 2, pp., Registrované v: WOS

2. [1.1] DUDEK, M. R. - DUDEK, K. K. - WOLAK, W. - WOJCIECHOWSKI, K. W. - GRIMA, J. N. Magnetocaloric materials with ultra-small magnetic nanoparticles working at room temperature. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2019, vol. 9, no., pp., Registrované v: WOS

3. [1.1] RATHI, A. - BABU, P. D. - ROUT, P. K. - AWANA, V. P. S. - TRIPATHI, Vikash K. - NAGARAJAN, R. - SIVAIAH, B. - PANT, R. P. - BASHEED, G. A. Anomalous nano-magnetic effects in non-collinear spinel chromite NiCr2O4. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2019, vol. 474, no., pp. 585-590., Registrované v: WOS

4. [1.1] TADIC, Marin - KRALJ, Slavko - KOPANJA, Lazar. Synthesis, particle shape characterization, magnetic properties and surface modification of superparamagnetic iron oxide nanochains. In MATERIALS CHARACTERIZATION. ISSN 1044-5803, 2019, vol. 148, no., pp. 123-133.,

Registrované v: WOS

5. [1.1] TAKAMI, Tsuyoshi - MATSUI, Keitaro - SENOH, Hiroshi - SHIKANO, Masahiro - SAKAEBE, Hikari - FUKUNAGA, Toshiharu. Role of the particle size of Fe nanoparticles in the capacity of FeF₃ batteries. In AIP ADVANCES. ISSN 2158-3226, 2019, vol. 9, no. 4, pp., Registrované v: WOS

6. [1.1] ZENG, Wen - YANG, Qiqi - SHAO, Bin - GUO, Donglin - LI, Chunhong - MA, Yilong - YIN, Xueguo - ZHAO, Sibao - LI, Kejian. Synthesis of monodisperse Fe@SiO₂ core-shell nanocapsules and investigation of their magnetic behaviour. In MICRO & NANO LETTERS, 2019, vol. 14, no. 9, pp. 976-979., Registrované v: WOS

ADCA798 ZHANG, Quanzhen - LI, Yan Jun** - WEN, Huan Fei - ADACHI, Yuuki - MIYAZAKI, Masato - SUGAWARA, Yasuhiro - XU, Rui - CHENG, Zhi Hai - BRNDIAR, Ján - KANTOROVICH, Lev - ŠTICH, Ivan - ŠTICH, Ivan.

Measurement and manipulation of the charge state of an adsorbed oxygen adatom on the rutile TiO₂(110)-1×1 surface by nc-AFM and KPFM. In Journal of the American Chemical Society, 2018, vol. 140, no. 46, p. 15668-15674. (2017: 14.357 - IF, Q1 - JCR, 8.127 - SJR, Q1 - SJR, karentované - CCC). (2018 - Current Contents). ISSN 0002-7863. Dostupné na: <https://doi.org/10.1021/jacs.8b07745>

Citácie:

1. [1.1] BAO, Yang - SONG, Peng - LIU, Yanpeng - CHEN, Zhihui - ZHU, Menglong - ABDELWAHAB, Ibrahim - SU, Jie - FU, Wei - CHI, Xiao - YU, Wei - LIU, Wei - ZHAO, Xiaoxu - XU, Qing-Hua - YANG, Ming - LOH, Klan Ping. Gate-Tunable In-Plane Ferroelectricity in Few-Layer SnS. In NANO LETTERS. ISSN 1530-6984, 2019, vol. 19, no. 8, pp. 5109-5117., Registrované v: WOS

2. [1.1] HOSSEIN-BABAEI, Faramarz - ZARE, Ali Hooshyar - GHARESI, Mohsen. Quantitative Assessment of Vapor Molecule Adsorption to Solid Surfaces by Flow Rate Monitoring in Microfluidic Channels. In ANALYTICAL CHEMISTRY. ISSN 0003-2700, 2019, vol. 91, no. 20, pp. 12827-12834., Registrované v: WOS

3. [1.1] LI, Dongqi - JIANG, Zhaohua - XIA, Qixing - YAO, Zhongping. Pre- or post-TiCl₄ treated TiO₂ nano-array photoanode for QDSSC: Ti³⁺ self-doping, flat-band level and electron diffusion length. In APPLIED SURFACE SCIENCE. ISSN 0169-4332, 2019, vol. 491, no., pp. 319-327., Registrované v: WOS

4. [1.1] LI, Haoze - SUN, Bojing - YANG, Fan - WANG, Zhen - XU, Yachao - TIAN, Guohui - PAN, Kai - JIANG, Baojiang - ZHOU, Wei. Homojunction and defect synergy-mediated electron-hole separation for solar-driven mesoporous rutile/anatase TiO₂ microsphere photocatalysts. In RSC ADVANCES. ISSN 2046-2069, 2019, vol. 9, no. 14, pp. 7870-7877., Registrované v: WOS

5. [1.1] WALENTA, Constantin A. - TSCHURL, Martin - HEIZ, Ueli. Introducing catalysis in photocatalysis: What can be understood from surface science studies of alcohol photoreforming on TiO₂. In JOURNAL OF PHYSICS-CONDENSED MATTER. ISSN 0953-8984, 2019, vol. 31, no. 47, pp., Registrované v: WOS

ADCA799 ZIGO, Juraj - ROIK, Oleksandr** - ŠVEC, Peter - MIHALKOVIČ, Marek - ŠVEC, Peter Jr. - MAŤKO, Igor. Study of the Al-T-Si (T = Fe, Co, Ni) alloys in the solid, liquid and as-quenched states. In Materials Characterization, 2018, vol. 138, p. 315 - 324. (2017: 2.892 - IF, Q1 - JCR, 1.291 - SJR, Q1 - SJR, karentované - CCC). (2018 - Current Contents). ISSN 1044-5803. Dostupné na: <https://doi.org/10.1016/j.matchar.2017.11.044>

Citácie:

1. [1.1] SILBER, Reynold E. - SECCO, Richard A. - YONG, Wenjun - LITTLETON, Joshua A. H. Heat Flow in Earth's Core From Invariant Electrical Resistivity of Fe-Si on the Melting Boundary to 9 GPa: Do Light Elements

- Matter? In JOURNAL OF GEOPHYSICAL RESEARCH-SOLID EARTH. ISSN 2169-9313, 2019, vol. 124, no. 6, pp. 5521-5543., Registrované v: WOS*
- ADCA800 ZIMAN, Mário - ŠTELMACHOVIČ, Peter - BUŽEK, Vladimír. Saturation of Coffman-Kundu-Wootters inequalities via quantum homogenization. In Journal of Optics B: Quantum and Semiclassical Optics, 2003, vol. 5, no. 3, s439-S441. ISSN 1464-4266. Dostupné na: <https://doi.org/10.1088/1464-4266/5/3/383>
- Citácie:
1. [1.1] *LATUNE, C. L. - SINAYSKIY, I - PETRUCCIONE, F. Apparent temperature: demystifying the relation between quantum coherence, correlations, and heat flows. In QUANTUM SCIENCE AND TECHNOLOGY. ISSN 2058-9565, 2019, vol. 4, no. 2, 025005., Registrované v: WOS*
- ADCA801 ZIMAN, Mário - BUŽEK, Vladimír. Correlation-assisted quantum communication. In Physical Review A, 2003, vol. 67, no. 4, 042321. ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.67.042321>
- Citácie:
1. [1.1] *SRIVASTAVA, Chirag - BERA, Anindita - SEN (DE), Aditi - SEN, Ujjwal. One-shot conclusive multiport quantum dense coding capacities. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 5, 052304., Registrované v: WOS*
2. [1.1] *VAN HOP NGUYEN - BA AN NGUYEN. Optimal quantum channel for perfect controlled super-dense coding protocol. In ADVANCES IN NATURAL SCIENCES-NANOSCIENCE AND NANOTECHNOLOGY. ISSN 2043-6254, 2019, vol. 10, no. 2, 025008., Registrované v: WOS*
- ADCA802 ZIMAN, Mário - BUŽEK, Vladimír. All (qubit) decoherences: Complete characterization and physical implementation. In Physical Review A, 2005, vol. 72, no. 2, 022110. ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.72.022110>
- Citácie:
1. [1.1] *CAMPBELL, Steve - CAKMAK, Baris - MUSTEAPLIOGLU, Ozgur E. - PATERNOSTRO, Mauro - VACCHINI, Bassano. Collisional unfolding of quantum Darwinism. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 99, no. 4, 042103., Registrované v: WOS*
2. [1.1] *CAMPBELL, Steve - POPOVIC, Maria - TAMASCELLI, Dario - VACCHINI, Bassano. Precursors of non-Markovianity. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2019, vol. 21, 053036., Registrované v: WOS*
3. [1.1] *CRESSER, J. D. Time-reversed quantum trajectory analysis of micromaser correlation properties and fluctuation relations. In PHYSICA SCRIPTA. ISSN 0031-8949, 2019, vol. 94, no. 3, 034005., Registrované v: WOS*
4. [1.1] *KARPAT, G. - YALCINKAYA, I - CAKMAK, B. Quantum synchronization in a collision model. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 1, 012133., Registrované v: WOS*
5. [1.1] *MAN, Zhong-Xiao - XIA, Yun-Jie - LO FRANCO, Rosario. Validity of the Landauer principle and quantum memory effects via collisional models. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 99, no. 4, 042106., Registrované v: WOS*
6. [1.1] *MEHBOUDI, Mohammad - PARRONDO, Juan M. R. - ACIN, Antonio. Linear response theory for quantum Gaussian processes. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2019, vol. 21, 083036., Registrované v: WOS*
7. [1.1] *YANG, Long-Mei - LI, Tao - FEI, Shao-Ming - WANG, Zhi-Xi. Entanglement-breaking of quantum dynamical channels. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2019, vol. 18, no. 7, 231., Registrované v: WOS*

8. [1.1] ZHANG, Qi - MAN, Zhong-Xiao - XIA, Yun-Jie. Non-Markovianity in the presence of multiple thermal environments via collision model. In *PHYSICS LETTERS A*. ISSN 0375-9601, 2019, vol. 383, no. 21, pp. 2456-2461.,
 Registrované v: WOS

ADCA803 ZIMAN, Mário - PLESCH, Martin - BUŽEK, Vladimír - ŠTELMACHOVIČ, Peter. Process reconstruction: From unphysical to physical maps via maximum likelihood. In *Physical Review A*, 2005, vol. 72, no. 2, 022106. ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.72.022106>

Citácie:

1. [1.1] AGRESTI, Iris - PODERINI, Davide - CARVACHO, Gonzalo - SARRA, Leopoldo - CHAVES, Rafael - BUSCEMI, Francesco - DALL'ARNO, Michele - SCIARRINO, Fabio. Experimental semi-device-independent tests of quantum channels. In *QUANTUM SCIENCE AND TECHNOLOGY*. ISSN 2058-9565, 2019, vol. 4, no. 3, 035004., Registrované v: WOS

ADCA804 ZIMAN, Mário - BUŽEK, Vladimír. Concurrence versus purity: Influence of local channels on Bell states of two qubits. In *Physical Review A*, 2005, vol. 72, no. 5, 053325. ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.72.053325>

Citácie:

1. [1.1] ARJMANDI, Mohammad Bagher. An investigation of some quantum correlations of Dirac fields in noninertial frames. In *CANADIAN JOURNAL OF PHYSICS*. ISSN 0008-4204, 2019, vol. 97, no. 1, pp. 42-50., Registrované v: WOS
 2. [1.1] YANG, Long-Mei - LI, Tao - FEI, Shao-Ming - WANG, Zhi-Xi. Entanglement-breaking of quantum dynamical channels. In *QUANTUM INFORMATION PROCESSING*. ISSN 1570-0755, 2019, vol. 18, no. 7, 231., Registrované v: WOS

ADCA805 ZIMAN, Mário - ŠTELMACHOVIČ, Peter - BUŽEK, Vladimír - HILLERY, M. - SCARANI, V. - GISIN, N. Diluting quantum information: An analysis of information transfer in system-reservoir interactions. In *Physical Review A*, 2002, vol. 65, no. 4, 042105. ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.65.042105>

Citácie:

1. [1.1] ARISOY, Onat - CAMPBELL, Steve - MUESTECAPLIOGLU, OEzguer E. Thermalization of Finite Many-Body Systems by a Collision Model. In *ENTROPY*, 2019, vol. 21, no. 12, 1182., Registrované v: WOS
 2. [1.1] BAUMER, Elisa - PERARNAU-LLOBET, Marti - KAMMERLANDER, Philipp - WILMING, Henrik - RENNER, Renato. Imperfect Thermalizations Allow for Optimal Thermodynamic Processes. In *QUANTUM*. ISSN 2521-327X, 2019, vol. 3., Registrované v: WOS
 3. [1.1] CUEVAS, Alvaro - GERALDI, Andrea - LIORNI, Carlo - BONAVENTA, Luis Diego - DE PASQUALE, Antonella - SCIARRINO, Fabio - GIOVANNETTI, Vittorio - MATALONI, Paolo. All-optical implementation of collision-based evolutions of open quantum systems. In *SCIENTIFIC REPORTS*. ISSN 2045-2322, 2019, vol. 9, 3205., Registrované v: WOS
 4. [1.1] HABECKER, F. - ROEHSE, R. - KLUENER, T. Dissipative quantum dynamics using the stochastic surrogate Hamiltonian approach. In *JOURNAL OF CHEMICAL PHYSICS*. ISSN 0021-9606, 2019, vol. 151, no. 13, 134113., Registrované v: WOS
 5. [1.1] LATUNE, C. L. - SINAYSKIY, I - PETRUCCIONE, F. Apparent temperature: demystifying the relation between quantum coherence, correlations, and heat flows. In *QUANTUM SCIENCE AND TECHNOLOGY*. ISSN 2058-9565, 2019, vol. 4, no. 2, 025005., Registrované v: WOS

6. [1.1] LEBEDEV, A. V. - LESOVIK, G. B. *H-Theorem for Systems with an Interaction Invariant Distribution Function. In LOBACHEVSKII JOURNAL OF MATHEMATICS. ISSN 1995-0802, 2019, vol. 40, no. 10, pp. 1516-1520., Registrované v: WOS*
7. [1.1] MAN, Zhong-Xiao - XIA, Yun-Jie - LO FRANCO, Rosario. *Validity of the Landauer principle and quantum memory effects via collisional models. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 99, no. 4, 042106., Registrované v: WOS*
8. [1.1] MAN, Zhong-Xiao - ZHANG, Qi - XIA, Yun-Jie. *The effects of system-environment correlations on heat transport and quantum entanglement via collision models. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2019, vol. 18, no. 5, 157., Registrované v: WOS*
9. [1.1] MICADEI, Kaonan - PETERSON, John P. S. - SOUZA, Alexandre M. - SARTHOIR, Roberto S. - OLIVEIRA, Ivan S. - LANDI, Gabriel T. - BATALHAO, Tiago B. - SERRA, Roberto M. - LUTZ, Eric. *Reversing the direction of heat flow using quantum correlations. In NATURE COMMUNICATIONS. ISSN 2041-1723, 2019, vol. 10, 2456., Registrované v: WOS*
10. [1.1] MILZ, Simon - KIM, M. S. - POLLOCK, Felix A. - MODI, Kavan. *Completely Positive Divisibility Does Not Mean Markovianity. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 123, no. 4, 040401., Registrované v: WOS*
11. [1.1] RODRIGUES, Franklin L. S. - DE CHIARA, Gabriele - PATERNOSTRO, Mauro - LANDI, Gabriel T. *Thermodynamics of Weakly Coherent Collisional Models. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 123, no. 14, 140601., Registrované v: WOS*
12. [1.1] TARANTO, Philip - MILZ, Simon - POLLOCK, Felix A. - MODI, Kavan. *Structure of quantum stochastic processes with finite Markov order. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 99, no. 4, 042108., Registrované v: WOS*
13. [1.1] YANG, Long-Mei - LI, Tao - FEI, Shao-Ming - WANG, Zhi-Xi. *Entanglement-breaking of quantum dynamical channels. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2019, vol. 18, no. 7, 231., Registrované v: WOS*
14. [1.1] ZHANG, Qi - MAN, Zhong-Xiao - XIA, Yun-Jie. *Non-Markovianity in the presence of multiple thermal environments via collision model. In PHYSICS LETTERS A. ISSN 0375-9601, 2019, vol. 383, no. 21, pp. 2456-2461., Registrované v: WOS*

ADCA806 ZIMAN, Mário. Incomplete quantum process tomography and principle of maximal entropy. In *Physical Review A*, 2008, vol. 78, no. 3, 032118. (2007: 2.893 - IF, Q1 - JCR, 2.524 - SJR, Q1 - SJR, karentované - CCC). (2008 - Current Contents). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.78.032118>

Citácie:

1. [1.1] LOSADA, Marcelo - HOLIK, Federico - MASSRI, Cesar - PLASTINO, Angelo. *Solutions for the MaxEnt problem with symmetry constraints. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2019, vol. 18, no. 9, 293., Registrované v: WOS*
2. [1.1] VERDON, Dominic - VICARY, Jamie. *Quantum teleportation with infinite reference-frame uncertainty. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 6, 062306., Registrované v: WOS*

ADCA807 ZIMAN, Mário. Process positive-operator-valued measure : A mathematical framework for the description of process tomography experiments. In *Physical Review A*, 2008, vol. 77, no. 6, 062112. (2007: 2.893 - IF, Q1 - JCR, 2.524 - SJR, Q1 - SJR, karentované - CCC). (2008 - Current Contents). ISSN 1050-2947.

Dostupné na: <https://doi.org/10.1103/PhysRevA.77.062112>

Citácie:

1. [1.1] *BISIO, Alessandro - PERINOTTI, Paolo. Theoretical framework for higher-order quantum theory. In PROCEEDINGS OF THE ROYAL SOCIETY A-MATHEMATICAL PHYSICAL AND ENGINEERING SCIENCES. ISSN 1364-5021, 2019, vol. 475, no. 2225, 20180706., Registrované v: WOS*
2. [1.1] *KLIESCH, M. - KUENG, R. - EISERT, J. - GROSS, D. Guaranteed recovery of quantum processes from few measurements. In QUANTUM. ISSN 2521-327X, 2019, vol. 3., Registrované v: WOS*
3. [1.1] *WOELK, Sabine - SRIARUNOTHAI, Theeraphot - GIRI, Gouri S. - WUNDERLICH, Christof. Distinguishing between statistical and systematic errors in quantum process tomography. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2019, vol. 21, 013015., Registrované v: WOS*

ADCA808 ZIPPILLI, S. - GRAJCAR, Miroslav - ILICHEV, E. - ILLUMINATI, F. Simulating long-distance entanglement in quantum spin chains by superconducting flux qubits. In Physical Review A, 2015, vol. 91, no. 2, 022315. (2014: 2.808 - IF, Q1 - JCR, 2.201 - SJR, Q1 - SJR, karentované - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1050-2947. Dostupné na: <https://doi.org/10.1103/PhysRevA.91.022315>

Citácie:

1. [1.1] *ALMEIDA, Guilherme M. A. - LYRA, Marcelo L. - DE MOURA, Francisco A. B. F. Transmission of quantum states through disordered channels with dimerized defects. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2019, vol. 18, no. 11, 350., Registrované v: WOS*

ADCA809 ŽEMLIČKA, M. - NEILINGER, P. - TRGALA, M. - REHÁK, M. - MANCA, Daniel - GRAJCAR, Miroslav - SZABÓ, Pavol - SAMUELY, Peter - GAŽI, Štefan - HÜBNER, U. - VINOKUROV, V. M. - ILICHEV, E.V. Finite quasiparticle lifetime in disordered superconductors. In Physical Review B, 2015, vol. 92, no. 22, 224506. (2014: 3.736 - IF, Q1 - JCR, 0.123 - SJR, Q4 - SJR, karentované - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 1550-235X. Dostupné na: <https://doi.org/10.1103/PhysRevB.92.224506>

Citácie:

1. [1.1] *BASSET, J. - WATFA, D. - AIELLO, G. - FECHANT, M. - MORVAN, A. - ESTEVE, J. - GABELLI, J. - APRILI, M. - WEIL, R. - KASUMOV, A. - BOUCHIAT, H. - DEBLOCK, R. High kinetic inductance microwave resonators made by He-Beam assisted deposition of tungsten nanowires. In APPLIED PHYSICS LETTERS. ISSN 0003-6951, 2019, vol. 114, no. 10, art. no. 102601., Registrované v: WOS*
2. [1.1] *MACCARI, I - BENFATTO, L. - CASTELLANI, C. Disordered XY model: Effective medium theory and beyond. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 99, no. 10, art. no. 104509., Registrované v: WOS*
3. [1.1] *ZOBRIST, Nicholas - COIFFARD, Gregoire - BUMBLE, Bruce - SWIMMER, Noah - STEIGER, Sarah - DAAL, Miguel - COLLURA, Giulia - WALTER, Alex B. - BOCKSTIEGEL, Clint - FRUITWALA, Neelay - LIPARTITO, Isabel - MAZIN, Benjamin A. Design and performance of hafnium optical and near-IR kinetic inductance detectors. In APPLIED PHYSICS LETTERS. ISSN 0003-6951, 2019, vol. 115, no. 21, art. no. 213503., Registrované v: WOS*

ADCA810 ŽIVOTSKÝ, O. - POSTAVA, K. - KRAUS, L. - JIRÁSKOVÁ, Y. - JURASZEK, J. - TEILLET, J. - BARČOVÁ, K. - ŠVEC, Peter - JANIČKOVIČ, Dušan - PIŠTORA, J. Surface and bulk magnetic properties of as-quenched FeNbB ribbons. In Journal of Magnetism and Magnetic Materials, 2008, vol. 320, no. 8, p. 1535-1540. (2007: 1.704 - IF, Q2 - JCR, 0.711 - SJR, Q2 - SJR, karentované - CCC). (2008 - Current

Contents, SCOPUS). ISSN 0304-8853. Dostupné na:

<https://doi.org/10.1016/j.jmmm.2008.01.003>

Citácie:

1. [1.1] MIAO, Pei-Xian - ZHENG, Wen-Qiang - YANG, Shi-Yu - WU, Bin - CHENG, Bing - TU, Jian-Hui - KE, Hong-Liang - YANG, Wei - WANG, Ji - CUI, Jing-Zhong - LIN, Qiang. Wide-range and self-locking atomic magnetometer based on free spin precession. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS. ISSN 0740-3224, 2019, vol. 36, no. 4, pp. 819-828., Registrované v: WOS

ADCA811 ŽIVOTSKÝ, O. - TITOV, A. - JIRÁSKOVÁ, Y. - BURŠÍK, J.Y. - KALBÁČOVÁ, J. - ŠVEC, Peter. Full-scale magnetic, microstructural and physical properties of bilayered CoSiB/FeSiB ribbons. In Journal of Alloys and Compounds, 2013, vol. 581, p. 685-692. (2012: 2.390 - IF, Q1 - JCR, 1.246 - SJR, Q1 - SJR, karentované - CCC). (2013 - Current Contents, WOS, SCOPUS). ISSN 0925-8388. Dostupné na: <https://doi.org/10.1016/j.jallcom.2013.07.126>

Citácie:

1. [1.1] ZHOU JIALI - KONG DEJUN. Corrosion wear and electrochemical corrosion behaviors of laser cladded amorphous FeSiB coating in 3.5% NaCl solution. In MATERIALS RESEARCH EXPRESS. ISSN 2053-1591, 2019, vol. 6, no. 3, 035203., Registrované v: WOS

ADCA812 AFANASIEV, S.V. - ANTICIC, T. - BARNA, D. - BARTKE, J. - BARTA, R.A. - FILIP, Peter. Energy dependence of pion and kaon production in central Pb plus Pb collisions. In Physical Review C, 2002, vol. 66, no. 5, 054902. (2001: 2.695 - IF, karentované - CCC). (2002 - Current Contents, WOS, SCOPUS). ISSN 2469-9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.66.054902>

Citácie:

1. [1.1] BHATTACHARYYA, Sumana - BISWAS, Deeptak - GHOSH, Sanjay K. - RAY, Rajarshi - SINGHA, Pracheta. Novel scheme for parametrizing the chemical freeze-out surface in heavy ion collision experiments. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 100, no. 5, 054037., Registrované v: WOS

2. [1.1] FRIESEN, A. - KALINOVSKY, Yu L. - TONEEV, V. D. Strange matter and kaon to pion ratio in the SU(3) Polyakov-Nambu-Jona-Lasinio model. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 4, 045201., Registrované v: WOS

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

4. [1.1] GAZDZICKI, Marek - RYBICKI, Andrzej. OVERVIEW OF RESULTS FROM NA61/SHINE: UNCOVERING CRITICAL STRUCTURES. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2019, vol. 50, no. 6, pp. 1057-1070., Registrované v: WOS

5. [1.1] KHAN, Imran - KHAN, Alamgir - KHAN, Dil Faraz - REHMAN, Abdur - ZAMAN, Ali. Analysis of Spectral Temperature of Participant Protons in p+C-12 Interactions at 4.2 GeV/c Using UrQMD Model. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2019, vol. 58, no. 10, pp. 3535-3553., Registrované v: WOS

6. [1.1] KLOCHKOV, V - SELYUZHENKOV, I - ADUSZKIEWICZ, A. - et al. Hidden strangeness shines in NA61/SHINE. In NUCLEAR PHYSICS A, 2019, vol. 982, pp. 855-858., Registrované v: WOS

7. [1.1] LAO, Hai-Ling - GAO, Ya-Qin - LIU, Fu-Hu. Energy Dependent Chemical Potentials of Light Particles and Quarks from Yield Ratios of Antiparticles to Particles in High Energy Collisions. In UNIVERSE, 2019, vol. 5,

no. 6, 152., Registrované v: WOS

8. [1.1] MARCINEK, Antoni. Mesons in NA61/SHINE. In MESON 2018 15TH INTERNATIONAL WORKSHOP ON MESON PHYSICS. ISSN 2100-014X, 2019, vol. 199, UNSP 02020., Registrované v: WOS

9. [1.1] MONNAI, Akihiko - SCHENKE, Bjoern - SHEN, Chun. Equation of state at finite densities for QCD matter in nuclear collisions. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 2, 024907., Registrované v: WOS

10. [1.1] MOREAU, Pierre - SOLOVEVA, Olga - OLIVA, Lucia - SONG, Taesoo - CASSING, Wolfgang - BRATKOVSKAYA, Elena. Exploring the partonic phase at finite chemical potential within an extended off-shell transport approach. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 1, 014911., Registrované v: WOS

11. [1.1] OZVENCHUK, Vitalii - RYBICKI, Andrzej. Transverse momentum spectra of mesons in p plus p collisions at CERN SPS energies from the UrQMD transport model. In MESON 2018 15TH INTERNATIONAL WORKSHOP ON MESON PHYSICS. ISSN 2100-014X, 2019, vol. 199, UNSP 05003., Registrované v: WOS

12. [1.1] POBEREZHNYYUK, R. - VOVCHENKO, V. - MOTORNENKO, A. - GORENSTEIN, M. - STOECKER, H. Chemical freeze-out conditions and fluctuations of conserved charges in heavy-ion collisions within a quantum van der Waals model. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 100, no. 5, 054904., Registrované v: WOS

13. [1.1] RYBICKI, Andrzej - SZCZUREK, Antoni - KIELBOWICZ, Mirosław - MARCINEK, Antoni - OZVENCHUK, Vitalii - ROZPŁOCHOWSKI, Łukasz. Rapidity distributions of pions in p plus p and Pb plus Pb collisions at energies available at the CERN Super Proton Synchrotron. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 2, 024908., Registrované v: WOS

14. [1.1] RYBICKI, Andrzej. ONSET OF DECONFINEMENT AND THE CRITICAL POINT AT SPS ENERGIES. In ACTA PHYSICA POLONICA B PROCEEDINGS SUPPLEMENT. ISSN 1899-2358, 2019, vol. 12, no. 2, pp. 425-432., Registrované v: WOS

15. [1.1] SIRUNYAN, A. M. - TUMASYAN, A. - ADAM, W. - et al. Centrality and pseudorapidity dependence of the transverse energy density in pPb collisions at $\sqrt{s(NN)}=5.02$ TeV. In PHYSICAL REVIEW C, 2019, vol. 100, no. 2, 024902., Registrované v: WOS

16. [1.1] SPIELES, Christian - BLEICHER, Marcus. Secondary Drell-Yan dileptons in heavy-ion reactions. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E. ISSN 0218-3013, 2019, vol. 28, no. 6, 1950047., Registrované v: WOS

17. [1.1] VOVCHENKO, Volodymyr - STOECKER, Horst. THERMAL-FIST: A package for heavy-ion collisions and hadronic equation of state. In COMPUTER PHYSICS COMMUNICATIONS. ISSN 0010-4655, 2019, vol. 244, pp. 295-310., Registrované v: WOS

18. [1.1] YU, Ning - LUO, Xiaofeng. Particle decay from statistical thermal model in high-energy nucleus-nucleus collisions. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2019, vol. 55, no. 2, 26., Registrované v: WOS

19. [1.1] ZAKHAROV, B. G. Radiative Parton Energy Loss and Baryon Stopping in AA Collisions. In JETP LETTERS. ISSN 0021-3640, 2019, vol. 110, no. 6, pp. 375-381., Registrované v: WOS

- ADDA01 BERONSKÁ, Nad'a** - OPÁLEK, Andrej - NAGY, Štefan - DVORÁK, Tomáš - ŠVANTNER, Tomáš - ŠVEC, Peter - ŠTEFÁNIK, Pavol - IŽDINSKÝ, Karol. Microstructure and thermal stability of ZrB₂ powder infiltrated by molten Cu and CuCr₁Zr alloy. In Kovové materiály, 2019, vol. 57, no. 2, p. 95-103. (2018: 0.593 - IF, Q4 - JCR, 0.257 - SJR, Q3 - SJR, karentované - CCC). (2019 - Current Contents). ISSN 0023-432X. Dostupné na: https://doi.org/10.4149/km_2019_1_95 (VEGA č. 2/0172/16 : Štúdium termofyzikálnych vlastností kompozitov na báze TiB₂ a ZrB₂ s medenou maticou pre vysokoteplotné aplikácie)
Citácie:
1. [1.1] FAN, Xiaoliang - HUANG, Xiaowei - LIU, Qing - DING, Haimin - WANG, Huiqiang - HAO, Ce. The microstructures and properties of in-situ ZrB₂ reinforced Cu matrix composites. In RESULTS IN PHYSICS. ISSN 2211-3797, 2019, vol. 14, 102494., Registrované v: WOS
- ADDA02 BOHÁČ, Vlastimil - DIEŠKA, P. - VRETENÁR, Viliam - GREIF, V. Model for cuboid shape samples and its analysis used for measurements of thermophysical properties of sandstone. In Measurement Science Review, 2011, vol. 11, no. 6, p. 192-197. (2010: 0.400 - IF, Q4 - JCR, 0.209 - SJR, Q3 - SJR). (2011 - WOS, SCOPUS). ISSN 1335-8871. Dostupné na: <https://doi.org/10.2478/v10048-011-0032-z>
Citácie:
1. [1.1] KUSNEROVA, Milena - VALICEK, Jan - HARNICAROVA, Marta - KMEC, Jan - REPKA, Michal - DANEL, Roman - PANDA, Anton - PALKOVA, Zuzana. The Combined Relative Uncertainty of Measurement Results by Prototype Semi-Automated Calorimetric Chamber. In MEASUREMENT SCIENCE REVIEW. ISSN 1335-8871, 2019, vol. 19, no. 2, pp. 53-60., Registrované v: WOS
- ADDA03 DUBNIČKA, Stanislav - DUBNIČKOVÁ, A.Z. Analyticity in a phenomenology of electro- weak structure of hadrons. In Acta Physica Slovaca, 2010, vol. 60, no. 1, p. 1-153. (2009: 7.455 - IF, 1.080 - SJR, Q2 - SJR). (2010 - WOS, SCOPUS). ISSN 0323-0465.
Citácie:
1. [1.1] DAI, L. R. - PAVAO, R. - SAKAI, S. - OSET, E. $\tau(-) \rightarrow \nu \tau MIM2$, with $M-1$, $M-2$ pseudoscalar or vector mesons. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2019, vol. 55, no. 2, 20., Registrované v: WOS
- ADDA04 HAMILTON, J.H. - RAMAYYA, A.V. - HWANG, J.K. - GREIENR, W. - ZHU, S.J. - SANDULESCU, A. - FLORESCU, A. - KORMICKI, J. - TER-AKOPIAN, G. - OGANESSIAN, Y. - DANIEL, A.V. - POPEKO, G.S. - KLIMAN, Ján - MORHÁČ, Miroslav - COLE, J.D. - ARYAEINEJAD, R. - DRIGERT, M.W. - COLLINS, W.E. - MA, W.C. - JONES, E.F. - PEKER, L.K. - GORE, P.M. - DRAFTA, G. - BABU, B.R.S. - WANG, G. - DENG, J.K. Cold spontaneous fission processes of Cf-252 and the structure of neutron rich Ba and La nuclei. In Acta Physica Slovaca, 1999, vol. 49, no. 1, p. 31-42. (1999 - Current Contents). ISSN 0323-0465.
Citácie:
1. [1.1] MALIK, Sham S. - MAZUMDAR, I. Role of quantum phase transition in spontaneous fission. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2019, vol. 990, pp. 220-243., Registrované v: WOS
- ADDA05 HEYDARI, Abolfazl** - SHEIBANI, Hassan** - HRONSKÝ, Viktor - JANIGOVÁ, Ivica - ŠLOUF, Miroslav - ŠIFFALOVÍČ, Peter - CHODÁK, Ivan. Beta-cyclodextrin-epichlorohydrin polymer/graphene oxide nanocomposite: preparation and characterization. In Chemical Papers, 2018, vol. 72, no. 5, p. 1299-1313. (2017: 0.963 - IF, Q4 - JCR, 0.306 - SJR, Q2 - SJR, karentované - CCC). (2018 - Current Contents). ISSN 0366-6352. Dostupné na:

<https://doi.org/10.1007/s11696-017-0371-9>

Citácie:

1. [1.1] FAYAZI, R. - GHANEI-MOTLAGH, M. Construction of a Carbon Paste Electrode Based on Novel Thiolated Ligand Capped Gold Nanoparticles for Determination of Trace Amounts of Mercury(II). In ANALYTICAL AND BIOANALYTICAL CHEMISTRY RESEARCH. ISSN 2383-093X, WIN-SPR 2019, vol. 6, no. 1, p. 1-12., Registrované v: WOS

2. [1.1] GARKUSHIN, G.V. - RAZORENOV, S.V. - TARASOV, A.E. - ANOKHIN, D.V. - BADAMSHINA, E.R. Joint Effect of Small Additives of Carbon Nanoparticles of Different Morphologies on the Mechanical Characteristics of Cross-Linked Polyurethanes under Static and Dynamic Loads. In TECHNICAL PHYSICS. ISSN 1063-7842, JUN 2019, vol. 64, no. 6, p. 865-872., Registrované v: WOS

3. [1.1] TARASOV, A.E. - ANOKHIN, D.V. - PROPAD, Y.V. - BERSENEV, E.A. - RAZORENOV, S.V. - GARKUSHIN, G.V. - BADAMSHINA, E.R. Synergetic effect of fullerene and graphene oxide nanoparticles on mechanical characteristics of cross-linked polyurethanes under static and dynamic loading. In JOURNAL OF COMPOSITE MATERIALS. ISSN 0021-9983, NOV 2019, vol. 53, no. 26-27, p. 3797-3805., Registrované v: WOS

ADDA06 IŽDINSKÝ, Karol - SIMANČÍK, František - KORÁB, Juraj - KRAMER, Ivan - ŠTEFÁNIK, Peter - KAVECKÝ, Štefan - ŠRÁMKOVÁ, Táňa - CSUBA, Adrian - ZEMÁNKOVÁ, Milina. Preparation and thermophysical properties of Cu alloy/high thermal conductivity carbon fibre composites. In Kovové materiály, 2006, vol. 44, p. 327-334.

Citácie:

1. [1.2] PARK, Jin G.Y.U. - SWEAT, Rebekah - LIANG, Richard. Quantitative microstructure study of PAN and pitch-based carbon fibers through TEM and X-ray scattering analysis. In Proceedings of the American Society for Composites 34th Technical Conference, ASC 2019, 2019-01-01, pp., Registrované v: SCOPUS

ADDA07 KÚDELA, Stanislav, Jr. - ŠVEC, Peter - BAJANA, Otto - OROVČÍK, Ľubomír - RANACHOWSKI, P. - RANACHOWSKI, Z. Strengthening in dual-phase structured Mg-Li-Zn Alloys. In Kovové materiály, 2016, roč. 54, s. 483-489. (2015: 0.365 - IF, Q4 - JCR, 0.199 - SJR, Q3 - SJR, karentované - CCC). (2016 - Current Contents). ISSN 0023-432X. Dostupné na: https://doi.org/10.4149/km_2016_6_483

Citácie:

1. [1.1] RAHMATABADI, D. - HASHEMI, R. - TAYYEBI, M. - BAYATI, A. Investigation of mechanical properties, formability, and anisotropy of dual phase Mg-7Li-1Zn. In MATERIALS RESEARCH EXPRESS. ISSN 2053-1591, 2019, vol. 6, no. 9, 096543., Registrované v: WOS

ADDA08 LEJA, Jozef - G MUCA, Štefan. Relativistic mean-field study of even-even oxygen isotopes. In Acta Physica Slovaca, 2001, vol. 51, no. 3, p. 201-210. (2000: 0.465 - IF, karentované - CCC). (2001 - Current Contents, SCOPUS). ISSN 0323-0465.

Citácie:

1. [1.1] SAHOO, T. - PANDA, R. N. - PATRA, S. K. Proton emission from the drip-line nuclei I-Bi using the WKB approximation with relativistic mean-field densities. In CHINESE PHYSICS C. ISSN 1674-1137, 2019, vol. 43, no. 4, 044102., Registrované v: WOS

ADDA09 MARKOŠ, Peter. Numerical analysis of the Anderson localization. In Acta Physica Slovaca, 2006, vol. 56, no. 5, p. 561-685.

Citácie:

1. [1.1] GULLANS, Michael J. - HUSE, David A. Localization as an Entanglement Phase Transition in Boundary-Driven Anderson Models. In

- PHYSICAL REVIEW LETTERS*. ISSN 0031-9007, 2019, vol. 123, no. 11, 110601., Registrované v: WOS
2. [1.1] KAPITULNIK, Aharon - KIVELSON, Steven A. - SPIVAK, Boris. Colloquium: Anomalous metals: Failed superconductors. In *REVIEWS OF MODERN PHYSICS*. ISSN 0034-6861, 2019, vol. 91, no. 1, 011002., Registrované v: WOS
3. [1.1] MARKOS, P. - MUTTALIB, K. A. Phonon localization in nanowires dominated by surface roughness. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2019, vol. 99, no. 13, 134208., Registrované v: WOS
4. [1.1] POURANVARI, Mohammad - ABOUIE, Jahanfar. Entanglement conductance as a characterization of a delocalized-localized phase transition in free fermion models. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2019, vol. 100, no. 19, 195109., Registrované v: WOS
5. [1.1] POURANVARI, Mohammad. Multifractality of the entanglement Hamiltonian eigenmodes. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2019, vol. 99, no. 15, 155121., Registrované v: WOS
6. [1.1] SKIPETROV, S. E. - SOKOLOV, I. M. Search for Anderson localization of light by cold atoms in a static electric field. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2019, vol. 99, no. 13, 134201., Registrované v: WOS
7. [1.1] SUTRADHAR, Jagannath - MUKERJEE, Subroto - PANDIT, Rahul - BANERJEE, Sumilan. Transport, multifractality, and the breakdown of single-parameter scaling at the localization transition in quasiperiodic systems. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2019, vol. 99, no. 22, 224204., Registrované v: WOS
8. [1.1] TIKHONOV, K. S. - MIRLIN, A. D. Critical behavior at the localization transition on random regular graphs. In *PHYSICAL REVIEW B*. ISSN 2469-9950, 2019, vol. 99, no. 21, 214202., Registrované v: WOS

ADDA10 ORUŽINSKÝ, R. - VRŠANSKÝ, Peter. Cockroach forewing area and venation variabilities relate. In *Biologia*, 2017, vol. 72, no. 7, p. 814-818. (2016: 0.759 - IF, Q4 - JCR, 0.313 - SJR, Q3 - SJR, karentované - CCC). (2017 - Current Contents). ISSN 0006-3088. Dostupné na: <https://doi.org/10.1515/biolog-2017-0090>

Citácie:

1. [1.1] BARNA, Peter - SMIDOVA, Lucia - COUTINO JOSE, Marco Antonio. Living cockroach genus *Anaplecta* discovered in Chiapas amber (Blattaria: Ectobiidae: *Anaplecta vega* sp.n.). In *PEERJ*. ISSN 2167-8359, 2019, vol. 7, no., pp., Registrované v: WOS
2. [1.1] LIANG, Junhui - SHIH, Chungkun - WANG, Lixia - REN, Dong. New cockroaches (Insecta, Blattaria, Fuziidae) from the Middle Jurassic Jiulongshan Formation in northeastern China. In *ALCHERINGA*. ISSN 0311-5518, 2019, vol. 43, no. 3, pp. 441-448., Registrované v: WOS

ADDA11 PIVOLUSKA, M. - PLESCH, Martin. Device independent random number generation. In *Acta Physica Slovaca*, 2014, vol. 64, no. 6, p. 601-665. (2013: 2.000 - IF, Q1 - JCR, karentované - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 0323-0465. Dostupné na: <https://doi.org/10.2478/apsrt-2014-0006>

Citácie:

1. [1.1] MICHEL, Thibault - HAW, Jing Yan - MARANGON, Davide G. - THEARLE, Oliver - VALLONE, Giuseppe - VILLORESI, Paolo - LAM, Ping Koy - ASSAD, Syed M. Real-Time Source-Independent Quantum Random-Number Generator with Squeezed States. In *PHYSICAL REVIEW APPLIED*. ISSN 2331-7019, 2019, vol. 12, no. 3, 034017., Registrované v: WOS

ADDA12 ŠEBO, Pavol - ŠVEC, Peter - ZEMÁNKOVÁ, Milina - ŠVEC, Peter Jr. - JANIČKOVIČ, D. - ŠTEFÁNIK, Pavol. Joining of Mo and MoSi₂ and their

interaction with nickel. In *Kovové materiály*, 2014, roč. 52, č. 6, s. 321 - 327. (2013: 0.546 - IF, Q3 - JCR, 0.462 - SJR, karentované - CCC). (2014 - Current Contents, WOS, SCOPUS). ISSN 0023-432X. Dostupné na:
<https://doi.org/10.4149/km.2014.6.321>

Citácie:

1. [1.1] BIESUZ, Mattia - SAUNDERS, Theo G. - GRASSO, Salvatore - SPERANZA, Giorgio - SORARU, Gian D. - CAMPOSTRINI, Renzo - SGLAVO, Vincenzo M. - REECE, Michael J. *Flash joining of conductive ceramics in a few seconds by flash spark plasma sintering. In JOURNAL OF THE EUROPEAN CERAMIC SOCIETY. ISSN 0955-2219, 2019, vol. 39, no. 15, pp. 4664-4672., Registrované v: WOS*

ADDA13

VRŠANSKÝ, Peter** - ŠMÍDOVÁ, Lucia - SENDI, Hemen - BARNA, Peter - MÜLLER, Patrick - ELLENBERGER, Sieghard - WU, H. - REN, Xiaoyin - LEI, Xiaojie - AZAR, Dany - ŠURKA, Juraj - SU, T. - DENG, Weiyudong - SHEN, Xianhui - LV, Jun - BAO, Tong - BECHLY, Günter. Parasitic cockroaches indicate complex states of earliest proved ants. In *Biologia*, 2019, vol. 74, no. 1, p. 65-89. (2018: 0.728 - IF, Q4 - JCR, 0.298 - SJR, Q3 - SJR, karentované - CCC). (2019 - Current Contents, WOS, SCOPUS). ISSN 0006-3088. Dostupné na:
<https://doi.org/10.2478/s11756-018-0146-y>

Citácie:

1. [1.1] BARNA, Peter - SMIDOVA, Lucia - COUTINO JOSE, Marco Antonio. *Living cockroach genus Anaplecta discovered in Chiapas amber (Blattaria: Ectobiidae: Anaplecta vega sp.n.). In PEERJ. ISSN 2167-8359, 2019, vol. 7, no., pp., Registrované v: WOS*
2. [1.1] CHEN, Tao - LIU, Shaohua - LE, Xiaojie - CHEN, Lei. *A new cockroach (Insecta: Blattaria: Blattulidae) from the Lower Cretaceous Laiyang Formation of China. In CRETACEOUS RESEARCH. ISSN 0195-6671, 2019, vol. 101, pp. 17-22., Registrované v: WOS*
3. [1.1] HINKELMAN, Jan. *Spinaeblattina myanmarensis gen. et sp. nov. and Blattothecichnus argenteus ichnogen. et ichnosp. nov. (both Mesoblattinidae) from mid-Cretaceous Myanmar amber. In CRETACEOUS RESEARCH. ISSN 0195-6671, 2019, vol. 99, no., pp. 229-239., Registrované v: WOS*
4. [1.1] LIANG, Junhui - SHIH, Chungkun - WANG, Lixia - REN, Dong. *New cockroaches (Insecta, Blattaria, Fuziidae) from the Middle Jurassic Jiulongshan Formation in northeastern China. In ALCHERINGA. ISSN 0311-5518, 2019, vol. 43, no. 3, pp. 441-448., Registrované v: WOS*
5. [1.1] MLYNSKY, Tomas - WU, Hao - KOUBOVA, Ivana. *Dominant Burmite cockroach Jantaropterix ellenbergeri sp.n. might laid isolated eggs together. In PALAEONTOGRAPHICA ABTEILUNG A-PALAOZOOLOGIE-STRATIGRAPHIE. ISSN 0375-0442, 2019, vol. 314, no. 1-3, pp. 69-79., Registrované v: WOS*
6. [1.1] QIU, Lu - WANG, Zong-Qing - CHE, Yan-Li. *A new corydiid cockroach with large holoptic eyes in Upper Cretaceous Burmese amber (Blattodea: Corydiidae: Euthyrrhaphinae). In CRETACEOUS RESEARCH. ISSN 0195-6671, 2019, vol. 96, pp. 179-183., Registrované v: WOS*

ADDB Vedecké práce v domácich karentovaných časopisoch – neimpaktovaných

ADDB01

ŠEBO, Pavol - ŠVEC, Peter - JANIČKOVIČ, Dušan - ILLEKOVÁ, Emília. Influence of Sb and Cu in Sn-Sb-Cu alloys on wetting of Cu and Cu-solder-Cu joint strength. In *Kovové materiály*, 2010, roč. 48, č. 6, s. 353-359. (2009: 0.468 - SJR, Q1 - SJR, karentované - CCC). (2010 - Current Contents). ISSN 0023-432X.

Dostupné na: <https://doi.org/10.4149/km-2010-6-353>

Citácie:

1. [1.1] CURTULO, Joanisa P. - DIAS, Marcelino - BERTELLI, Felipe - SILVA, Bismarck L. - SPINELLI, Jose E. - GARCIA, Amauri - CHEUNG, Noe. The application of an analytical model to solve an inverse heat conduction problem: Transient solidification of a Sn-Sb peritectic solder alloy on distinct substrates. In JOURNAL OF MANUFACTURING PROCESSES. ISSN 1526-6125, 2019, vol. 48, pp. 164-173., Registrované v: WOS

ADEA Vedecké práce v ostatných zahraničných časopisoch – impaktovaných

ADEA01 BARTOŠ, Erik - KURAEV, E.A. - SEČANSKÝ, Michal. Radiative corrections to muon decay in leading and next-to-leading approximation for electron spectrum. In Physics of Particles and Nuclei Letters, 2009, vol. 6, no. 5, p. 365-367. (2008: 0.154 - SJR, Q3 - SJR). ISSN 1547-4771. Dostupné na: <https://doi.org/10.1134/S1547477109050033>

Citácie:

1. [1.2] ARBUZOV, A. B. Leading and Next-to-Leading Logarithmic Approximations in Quantum Electrodynamics. In Physics of Particles and Nuclei. ISSN 10637796, 2019, vol. 50, no. 6, pp. 721-825., Registrované v: SCOPUS

ADEA02 MARKOŠ, Peter - SOUKOULIS, C.M. Transmission properties and effective electromagnetic parameters of double negative metamaterials. In Optics Express, 2003, vol. 11, no. 7, p. 649-661. Dostupné na: <https://doi.org/10.1364/OE.11.000649>

Citácie:

1. [1.1] AHSAN, Syed - KOUTSOUPIDOU, Maria - RAZZICCHIA, Eleonora - SOTIRIOU, Ioannis - KOSMAS, Panagiotis. Advances towards the Development of a Brain Microwave Imaging Scanner. In 2019 13TH EUROPEAN CONFERENCE ON ANTENNAS AND PROPAGATION (EUCAP). ISSN 2164-3342, 2019., Registrované v: WOS

2. [1.1] ALADADI, Yosef T. - ALKANHAL, Majeed A. S. Extraction of metamaterial constitutive parameters based on data-driven discontinuity detection. In OPTICAL MATERIALS EXPRESS. ISSN 2159-3930, 2019, vol. 9, no. 9, pp. 3765-3780., Registrované v: WOS

3. [1.1] AZIZ, Rao Shahid - KIM, Tae-Wan - PARK, Jae-Seok - RYU, Young-Ho - PARK, Seong-Ook. EM lens design using thin planar metasurfaces for high antenna gain and low SLL applications. In IET MICROWAVES ANTENNAS & PROPAGATION. ISSN 1751-8725, 2019, vol. 13, no. 7, pp. 950-958., Registrované v: WOS

4. [1.1] FAKHERI, Mohammad Hosein - ABDOLALI, Ali. Application of transformation optics in radar cross section reduction of targets with arbitrary two-dimensional geometries. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2019, vol. 125, no. 23, 234901., Registrované v: WOS

5. [1.1] LU, Guizhen - DUAN, Zhonghang - YIN, Hongcheng - XIAO, Zhihe - ZHANG, Jing. Determining the Effective Electromagnetic Parameters of Photonic Crystal by Phase Unwrapping and Denoising Method. In INTERNATIONAL JOURNAL OF ANTENNAS AND PROPAGATION. ISSN 1687-5869, 2019, 8513150., Registrované v: WOS

6. [1.1] RAJAK, Neha - CHATTORAJ, Neela - MARK, Robert. Metamaterial cell inspired high gain multiband antenna for wireless applications. In AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS. ISSN 1434-8411, 2019, vol. 109, pp. 23-30., Registrované v: WOS

ADEB Vedecké práce v ostatných zahraničných časopisoch – neimpaktovaných

- ADEB01 DUHAJ, Pavol - IVAN, Jozef - MAKOVICKÝ, Emil. Sigma-phase precipitation in austenitic steels. In Journal of the Iron and Steel Institute, 1968, vol. 206, p. 1245-1251. ISSN 0021-1567.

Citácie:

1. [1.1] MAHAFFEY, Jacob - BRITTAN, Andrew - GUCKENBERGER, Aaron - COUET, Adrien - FIELD, Kevin G. Evaluation of post-weld heat treatments applied to FeCrAl alloy weldments. In JOURNAL OF NUCLEAR MATERIALS. ISSN 0022-3115, 2019, vol. 515, pp. 160-169., Registrované v: WOS

- ADEB02 ŠVEC, Peter Jr. - TURČANOVÁ, Jana - JANIČKOVIČ, Dušan - ŠKORVÁNEK, Ivan - ŠVEC, Peter. Interplanar spacings of complex Fe-Ni phases in rapidly quenched Fe-Ni-Nb-B systems. In Journal of Physics: Conference Series, 2009, vol. 144, 012092. (2008: 0.264 - SJR, Q3 - SJR). (2009 - WOS, SCOPUS). ISSN 1742-6588. Dostupné na: <https://doi.org/10.1088/1742-6596/144/1/012092> (RQ13 : International Conference on Rapidly Quenched and Metastable Materials)

Citácie:

1. [1.1] CHEN, Zhe - ZHU, Qian-Ke - ZHANG, Shu-Ling - ZHANG, Ke-Wei - JIANG, Yong. Thermal stability, crystallization, and magnetic properties of FeNiBCuNb alloys. In CHINESE PHYSICS B. ISSN 1674-1056, 2019, vol. 28, no. 8, art. no. 087502., Registrované v: WOS

ADFB Vedecké práce v ostatných domácich časopisoch – neimpaktovaných

- ADFB01 FIDRÍKOVÁ, Danica - KUBIČÁR, Ľudovít. The use of the hot-ball method for observing the transport of moisture in porous stones. In Slovak Journal of Civil Engineering, 2012, vol. 20, no. 3, p. 9-14. ISSN 1210-3896.

Citácie:

1. [4.1] FLORES CUAUTLE, J. J. A. - ARIAS, N. P. - SANDOVAL GONZALEZ, O. O. - et al. Investigation of Thermal Conductivity by Hot Ball Method and its Correlation with Soil Quality Index of Veracruz Sugarcane Soil. In SUGAR TECH, 2019, vol. 21, no. 3, pp. 407-414.

ADMA Vedecké práce v zahraničných impaktovaných časopisoch registrovaných v databázach Web of Science alebo SCOPUS

- ADMA01 DOBES, J. - BĚTÁK, Emil. 2-component exciton model. In Zeitschrift für Physik A. Hadrons and nuclei, 1983, vol. 310, no. 4, p. 329-338. ISSN 0939-7922.

Citácie:

1. [1.1] GANESAPANDY, T. S. - JEREMIAH, J. J. - DAHIWALE, S. S. - DHOLE, S. D. - BHORASKAR, V. N. Analysis of neutron induced (n,gamma) and (n,2n) reactions on Th-232 from reaction threshold to 20 MeV. In APPLIED RADIATION AND ISOTOPES. ISSN 0969-8043, 2019, vol. 150, pp. 70-78., Registrované v: WOS

2. [1.1] KELLY, K. J. - KAWANO, T. - O'DONNELL, J. M. - GOMEZ, J. A. - DEVLIN, M. - NEUDECKER, D. - TALOU, P. - LOVELL, A. E. - WHITE, M. C. - HAIGHT, R. C. - TADDEUCCI, T. N. - MOSBY, S. M. - LEE, H. Y. - WU, C. Y. - HENDERSON, R. - HENDERSON, J. - BUCKNER, M. Q. Preequilibrium Asymmetries in the Pu-239(n,f) Prompt Fission Neutron Spectrum. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 122, no. 7, 072503., Registrované v: WOS

- ADMA02 DOUPOVEC, Juraj - YARIN, A. L. Nonsymmetrical modified chemical vapor

deposition (N-MCVD) process. In Journal of Lightwave Technology, 1991, vol. 9, no. 6, p. 695-700. ISSN 0733-8724. Dostupné na: <https://doi.org/10.1109/50.81970>

Citácie:

1. [1.1] BANG, Boo-Hyoung - KIM, Yong-Il - JEONG, Seokgyu - YOON, Youngbin - YARIN, Alexander L. - YOON, Sam S. Theoretical model for swirling thin film flows inside nozzles with converging-diverging shapes. In APPLIED MATHEMATICAL MODELLING. ISSN 0307-904X, 2019, vol. 76, no., pp. 607-616., Registrované v: WOS

ADMA03 FILIP, Peter. Effects of deformation in collisions of nuclei and hadrons. In Nuclear Physics B - Proceedings Supplements, 2010, vol. 198, p. 46-50. (2010 - WOS, SCOPUS). ISSN 0920-5632. Dostupné na: <https://doi.org/10.1016/j.nuclphysbps.2009.12.010>

Citácie:

1. [1.1] BOZEK, Piotr - BRONIOWSKI, Wojciech - RYBCZYNSKI, Maciej - STEFANEK, Grzegorz. GLISSANDO 3: GLauber Initial-State Simulation AND mOre, ver. 3. In COMPUTER PHYSICS COMMUNICATIONS. ISSN 0010-4655, 2019, vol. 245, UNSP 106850., Registrované v: WOS

ADMA04 GOSSET, D. - NAGAJ, Daniel. Quantum 3-SAT is QMA(1)-complete. In SIAM Journal on Computing, 2016, vol. 45, no. 3, p. 1080-1128. (2015: 0.841 - IF, Q2 - JCR, 1.530 - SJR, Q1 - SJR, karentované - CCC). (2016 - Current Contents). ISSN 0097-5397. Dostupné na: <https://doi.org/10.1137/140957056>

Citácie:

1. [1.1] MORAMPUDI, Siddhardh C. - LAUMANN, Chris R. Many-body systems with random spatially local interactions. In PHYSICAL REVIEW B. ISSN 2469-9950, 2019, vol. 100, no. 24, 245152., Registrované v: WOS

ADMA05 GRAJCAR, Miroslav - IZMALKOV, A. - VAN DER PLOEG, S.H.W. - LINZEN, S. - PLECENIK, T. - WAGNER, T. - HUBNER, U. - IL'ICHEV, E. - MEYER, H.G. - SMIRNOV, A.Y. - LOVE, P.J. - VAN DEN BRINK, A.M. - AMIN, M.H.S - UCHAIKIN, S. - ZAGOSKIN, A.M. Four-Qubit Device with Mixed Couplings. In Physical Review Letters, 2006, vol. 96, no. 4, 047006. (2005: 7.489 - IF, Q1 - JCR, 4.082 - SJR, Q1 - SJR, karentované - CCC). (2006 - Current Contents, WOS, SCOPUS). ISSN 0031-9007. Dostupné na: <https://doi.org/10.1103/PhysRevLett.96.047006>

Citácie:

1. [1.1] WANG, Xin - MIRANOWICZ, Adam - NORI, Franco. Ideal Quantum Nondemolition Readout of a Flux Qubit without Purcell Limitations. In PHYSICAL REVIEW APPLIED. ISSN 2331-7019, 2019, vol. 12, no. 6, 064037., Registrované v: WOS

ADMA06 HANIC, F. - HARTMANOVÁ, Mária - KNAB, G.G. - URUSOVSKAYA, A.A. - BAGDASAROV, K.S. Real structure of undoped Y2O3 single-crystals. In Acta Crystallographica Section B-Structural Science Crystal Engineering and Materials, 1984, vol. 40, p. 76-82. ISSN 2052-5206.

Citácie:

1. [1.1] BROWNBILL, Nick J. - LEE, Daniel - DE PAEPE, Gael - BLANC, Frederic. Detection of the Surface of Crystalline Y2O3 Using Direct Y-89 Dynamic Nuclear Polarization. In JOURNAL OF PHYSICAL CHEMISTRY LETTERS. ISSN 1948-7185, 2019, vol. 10, no. 12, pp. 3501-3508., Registrované v: WOS
2. [1.1] HIGGINS, M. P. - PENG, Q. - SHAO, L. - GAO, F. Reduction of defect generation and development of sinks at nanocluster boundary in oxide dispersion-strengthened steel. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2019, vol. 126, no. 8, 084302., Registrované v: WOS

3. [1.1] STOPYRA, Michal - SAENKO, Ivan - ILATOVSKAIA, Mariia - SAVINYKH, Galina - FABRICHNAYA, Olga. Phase relations in the ZrO₂-La₂O₃-Gd₂O₃ system: Experimental studies and phase modeling. In JOURNAL OF THE AMERICAN CERAMIC SOCIETY. ISSN 0002-7820, 2019, vol. 102, no. 12, pp. 7628-7644., Registrované v: WOS

4. [1.1] SUN, Dan - DING, Jianhua - YANG, Yaochun - ZHANG, Pengbo - ZHAO, Jijun. First-principles investigation of hydrogen behavior in different oxides in ODS steels. In INTERNATIONAL JOURNAL OF HYDROGEN ENERGY. ISSN 0360-3199, 2019, vol. 44, no. 31, pp. 17105-17113., Registrované v: WOS

ADMA07 HARTMANOVÁ, Mária - KUBEL, F. - BURŠKOVÁ, V. - JERGEL, Matej - NAVRÁTIL, V. - LOMONOVA, E.E. - NAVRÁTIL, K. - KUNDRAČIK, F. - KOSTI, I. Effect of composition changes on properties and defect structure of crystalline Sm-doped ZrO₂. In Russian Journal of Electrochemistry, 2007, vol. 43, no. 4, p. 381-389. Dostupné na: <https://doi.org/10.1134/S1023193507040040>

Citácie:

1. [1.1] BEJUGAMA, Shiva - GADWAL, Narendra Kumar - PANDEY, Ajoy Kumar. Two-step sintering of Sm₂O₃ doped ceria stabilized zirconia. In CERAMICS INTERNATIONAL. ISSN 0272-8842, 2019, vol. 45, no. 8, pp. 10348-10355., Registrované v: WOS

ADMA08 HLAVÁČ, Stanislav - DOSTAL, I. - TURZO, Ivan - PAVLIK, A. - VONACH, H. Study of gamma radiation from the interaction of 14,6-MeV neutrons with Al-27. In NUCLEAR SCIENCE AND ENGINEERING, 1997, vol. 125, no. 2, p. 196-204. ISSN 0029-5639.

Citácie:

1. [1.1] FEDOROV, N. A. - TRETYAKOVA, T. Yu. - BYSTRITSKY, V. M. - KOPACH, Yu. N. - RUSKOV, I. N. - SKOY, V. R. - GROZDANOV, D. N. - ZAMYATIN, N. I. - DONGMING, W. - ALIEV, F. A. - HRAMCO, K. - KUMAR, A. - GANDHI, A. - DABYLOVA, S. - YURKOV, D. I. - BARMAKOV, Yu. N. Investigation of Inelastic Neutron Scattering on Al-27 Nuclei. In PHYSICS OF ATOMIC NUCLEI. ISSN 1063-7788, 2019, vol. 82, no. 4, pp. 343-350., Registrované v: WOS

ADMA09 HROBÁR, M. - GRENDL, M. - THURZO, Ilja. Current DLTS spectra of MIS structures due to dielectric polarization of the insulator. In Physica Status Solidi A : applications and materials science, 1984, vol. 82, no. 2, p. 519-525. ISSN 1862-6300. Dostupné na: <https://doi.org/10.1002/pssa.2210820223>

Citácie:

1. [1.1] EL-KHATIB, Mariam - FERRANDIS, Philippe - MORVAN, Erwan - GUILLOT, Gerard - BREMOND, Georges. Deep traps localization in AlGaIn/GaN MIS-HEMTs by a comparative study using capacitance and current deep level transient spectroscopies. In 19TH INTERNATIONAL CONFERENCE ON EXTENDED DEFECTS IN SEMICONDUCTORS (EDS2018). ISSN 1742-6588, 2019, vol. 1190, 012013., Registrované v: WOS

ADMA10 ILLEKOVÁ, Emília - ABA, B. - KUHNAST, F. A. Is the DSC technique capable of determining accurate specific-heat of metallic ribbons. In Journal of Thermal Analysis and Calorimetry, 1992, vol. 38, no. 3, p. 397-407. ISSN 1388-6150. Dostupné na: <https://doi.org/10.1007/BF01915504>

Citácie:

1. [1.1] WANG, Yajing - LU, Yili - HORTON, Robert - REN, Tusheng. Specific Heat Capacity of Soil Solids: Influences of Clay Content, Organic Matter, and Tightly Bound Water. In SOIL SCIENCE SOCIETY OF AMERICA JOURNAL. ISSN 0361-5995, 2019, vol. 83, no. 4, pp. 1062-1066., Registrované v: WOS

- ADMA11 JANOTOVÁ, Irena - ZIGO, Juraj - ŠVEC, Peter Jr. - MAŤKO, Igor - JANIČKOVIČ, Dušan - ŠVEC, Peter. Crystallization in rapidly quenched Fe-B-Si system with additions of C and Cu. In Materials Research, 2015, vol. 18, suppl, p. 136-140. (2014: 0.793 - IF, Q4 - JCR, 0.346 - SJR, Q2 - SJR). ISSN 1516-1439. Dostupné na: <https://doi.org/10.1590/1516-1439.335014>
- Citácie:
- [1.1] MOHAMMADIPARSA, Nahid - HABIBI, Safdar - DEKAN, Julius - JANOTOVA, Irena - SVEC, Peter - GALDUN, Ladislav - VARGA, Rastislav - KMJEC, Tomas - BUJDOS, Marek - MIGLIERINI, Marcel. Mossbauer study and magnetic properties of Fe-Si-B-Cu amorphous systems with minor substitution of carbon. In JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY. ISSN 0236-5731, 2019, vol. 322, no. 2, pp. 691-697., Registrované v: WOS
- ADMA12 KHORASANI, F.* - EMAMY, M.* - MALEKAN, M.* - MIRZADEH, H.* - POURBAHARI, B.* - KRAJŇÁK, Tomáš* - MINARIK, P.*. Enhancement of the microstructure and elevated temperature mechanical properties of as-cast Mg-Al₂Ca-Mg₂Ca in-situ composite by hot extrusion. Dostupné na: <https://doi.org/10.1016/j.matchar.2018.10.018>
- Citácie:
- [1.1] WANG, Ce - MA, Aibin - SUN, Jiapeng - ZHUO, Xiaoru - HUANG, He - LIU, Huan - YANG, Zhenquan - JIANG, Jinghua. Improving Strength and Ductility of a Mg-3.7Al-1.8Ca-0.4Mn Alloy with Refined and Dispersed Al₂Ca Particles by Industrial-Scale ECAP Processing. In METALS, 2019, vol. 9, no. 7, 767., Registrované v: WOS
 - [1.1] WANG, Cong - LIU, Yunteng - LIN, Tao - LUO, Tianjiao - ZHAO, Yuhong - HOU, Hua - YANG, Yuansheng. Hot compression deformation behavior of Mg-5Zn-3.5Sn-1Mn-0.5Ca-0.5Cu alloy. In MATERIALS CHARACTERIZATION. ISSN 1044-5803, 2019, vol. 157, 109896., Registrované v: WOS
 - [1.1] YANG, Zhao - XU, Hongyu - WANG, Ye - HU, Maoliang - JI, Zesheng. Investigation of the Microstructure and Mechanical Properties of AZ31/Graphene Composite Fabricated by Semi-solid Isothermal Treatment and Hot Extrusion. In JOM. ISSN 1047-4838, 2019, vol. 71, no. 11, pp. 4162-4170., Registrované v: WOS
- ADMA13 KOLEŠÍK, Miroslav - TUNEGA, D. - SOBOLEV, B. P. Low-frequency vibrational modes in fluorite based superionic conductors - Raman study. In Solid State Ionics : diffusion and reactions, 1992, vol. 58, no. 3-4, p. 237-242. (1991: 1.090 - IF, karentované - CCC). (1992 - Current Contents). ISSN 0167-2738. Dostupné na: [https://doi.org/10.1016/0167-2738\(92\)90124-8](https://doi.org/10.1016/0167-2738(92)90124-8)
- Citácie:
- [1.1] LALLA, E. A. - AZNAR, M. - KONSTANTINIDIS, M. - DALY, M. G. - RODRIGUEZ-MENDOZA, U. R. Polarized Raman analyzes of (RE³⁺) doped fluorotellurite glass and ceramics. In VIBRATIONAL SPECTROSCOPY. ISSN 0924-2031, 2019, vol. 103, 102934., Registrované v: WOS
 - [1.1] LALLA, E. A. - LOZANO-GORRIN, A. D. - KONSTANTINIDIS, M. - DALY, M. - LEON-LUIS, S. F. - LAVIN, V - RODRIGUEZ-MENDOZA, U. R. Optical temperature sensor based on Sm³⁺ emissions in a fluorotellurite glass. In OPTICAL FIBER TECHNOLOGY. ISSN 1068-5200, 2019, vol. 47, pp. 178-186., Registrované v: WOS
- ADMA14 KRAJČÍ, Marián - HAFNER, J. Elementary excitations in quasi-crystals. In Journal of Non-Crystalline Solids, 1993, vol. 156, p. 887-890. (1992: 1.180 - IF, karentované - CCC). (1993 - Current Contents). ISSN 0022-3093.
- Citácie:
- [1.1] STRZALKA, Radoslaw - BUGANSKI, Ireneusz - KUCZERA, Pawel -

- PYTLIK, Lucjan - WOLNY, Janusz. Atomic Structure of Decagonal Al-Cu-Rh Quasicrystal-Revisited: New Correction for Phonons. In CRYSTALS. ISSN 2073-4352, 2019, vol. 9, no. 2, 78., Registrované v: WOS*
- ADMA15 LUBY, Štefan - IVANČO, Ján - JERGEL, Matej - ŠVEC, Peter Jr. - KOTLÁR, Mário - KOSTIUK, Dmytro - HALAHOVETS, Yuriy - KOLLÁR, Jozef - MOSNÁČEK, Jaroslav - MAJKOVÁ, Eva. Thermal stability of gamma-Fe₂O₃ nanoparticles and their employment for sensing of acetone vapours. In Journal of Physics: Conference Series, 2017, vol. 939, art. no. 012009. (2016: 0.240 - SJR, Q3 - SJR). (2017 - WOS, SCOPUS). ISSN 1742-6588. Dostupné na: <https://doi.org/10.1088/1742-6596/939/1/012009>
- Citácie:
1. [1.1] *ZAHMOULI, N. - HPRI, M. - EL MIR, L. - BONAVIDA, A. - DONATO, N. - NERI, G. - LEONARDI, S. G. High performance acetone sensor based on gamma-Fe₂O₃/Al-ZnO nanocomposites. In NANOTECHNOLOGY. ISSN 0957-4484, 2019, vol. 30, no. 5, 055502., Registrované v: WOS*
- ADMA16 MAJKOVÁ, Eva - TRNOVCOVA, V. - BOHUN, A. CHARGE AND MASS-TRANSPORT IN ALKALI-FREE ALUMINOPHOSPHATE GLASSES .2. DIFFUSION OF MONOVALENT AND BIVALENT-CATIONS. In Physics and Chemistry of Glasses: European Journal of Glass Science and Technology Part B, 1977, vol. 18, no. 5, p. 83-86. ISSN 1753-3562.
- Citácie:
1. [1.1] *ONDRUSKA, J. - TRNOVCOVA, V. - STUBNA, I. - CSAKI, S. - VOZAR, L. Influence of texture on DC conductivity and dimensional changes of kaolin and illitic clay. In CERAMICS INTERNATIONAL. ISSN 0272-8842, 2019, vol. 45, no. 2, pp. 2425-2431., Registrované v: WOS*
- ADMA17 MIHALKOVIČ, Marek - ELHOR, H. - SUCK, J. B. Low-energy phonon excitations in the decagonal quasicrystal Al₇₀Co₁₅Ni₁₅ and in crystalline Al₁₃Co₄ phases. In Materials Science and Engineering A - Structural Materials Properties Microstructure and Processing, 2000, vol. 294, p. 654-657. (2000 - Current Contents, SCOPUS). ISSN 0921-5093. Dostupné na: [https://doi.org/10.1016/S0921-5093\(00\)01133-3](https://doi.org/10.1016/S0921-5093(00)01133-3)
- Citácie:
1. [1.1] *SCHEID, Philippe - CHATELIER, Corentin - LEDIEU, Julian - FOURNEE, Vincent - GAUDRY, Emilie. Bonding network and stability of clusters: the case study of Al₁₃TM₄ pseudo-tenfold surfaces. In ACTA CRYSTALLOGRAPHICA A-FOUNDATION AND ADVANCES. ISSN 2053-2733, 2019, vol. 75, pp. 314-324., Registrované v: WOS*
2. [1.1] *STRZALKA, Radosław - BUGANSKI, Ireneusz - KUCZERA, Paweł - PYTLIK, Lucjan - WOLNY, Janusz. Atomic Structure of Decagonal Al-Cu-Rh Quasicrystal-Revisited: New Correction for Phonons. In CRYSTALS. ISSN 2073-4352, 2019, vol. 9, no. 2, 78., Registrované v: WOS*
- ADMA18 MORHÁČ, Miroslav - MATOUŠEK, Vladislav. An adaptive fast transform algorithm for multi-dimensional data compression. In Signal Processing, 1995, vol. 43, no. 1, p. 29-37. ISSN 0165-1684. Dostupné na: [https://doi.org/10.1016/0165-1684\(94\)00141-L](https://doi.org/10.1016/0165-1684(94)00141-L)
- Citácie:
1. [1.2] *LIPINSKI, P. - PUCHALA, D. Digital image watermarking using fast parametric transforms. In Bulletin of the Polish Academy of Sciences: Technical Sciences. ISSN 02397528, 2019, vol. 67, no. 3, pp. 463-477., Registrované v: SCOPUS*
- ADMA19 OBLOŽINSKÝ, Pavol. Preequilibrium emission of hard photons in proton-nucleus reactions. In Physical Review C, 1989, vol. 40, no. 4, p. 1591-1594. ISSN 2469-

9985. Dostupné na: <https://doi.org/10.1103/PhysRevC.40.1591>

Citácie:

1. [1.1] SHARMA, Manoj Kumar - MUSTHAF, M. M. - SHUAIB, Mohd - KUMAR, Mahesh - SHARMA, Vijay Raj - YADAV, Abhishek - SINGH, Pushendra P. - SINGH, B. P. - PRASAD, R. Semiclassical and quantum mechanical analysis of alpha-particle-induced reactions on praseodymium: A study relevant to precompound emission. In PHYSICAL REVIEW C. ISSN 2469-9985, 2019, vol. 99, no. 1, 014608., Registrované v: WOS

ADMA20 RIBANSKÝ, I. - G穆CA, Štefan. Neutron activation cross sections for Ti isotopes at 14.8 MeV. Dostupné na: <https://doi.org/10.1088/0305-4616/9/12/014>

Citácie:

1. [1.1] ZHOU, Fengqun - SONG, Yueli - LI, Yong - SUN, Xiaojun - YUAN, Shuqing. Activation cross-sections of titanium isotopes at neutron energies of 13.5-14.8 MeV. In CHINESE PHYSICS C. ISSN 1674-1137, 2019, vol. 43, no. 9, 094001., Registrované v: WOS

ADMA21 SUN, F. - ZHANG, J.Y. - VERMAUT, P. - CHODHOURI, D. - ALAM, T. - MANTRI, S.A. - ŠVEC, Peter - GLORANT, T. - JACQUES, P.J. - BANERJEE, R.** - PRIMA, F.**. Strengthening strategy for a ductile metastable beta-titanium alloy using low-temperature aging. In Materials Research Letters, 2017, vol. 5, no. 8, p. 547-553. (2016: 4.773 - IF, Q1 - JCR, 2.544 - SJR, Q1 - SJR, karentované - CCC). (2017 - Current Contents, SCOPUS). ISSN 2166-3831. Dostupné na: <https://doi.org/10.1080/21663831.2017.1350211>

Citácie:

1. [1.1] ALI, Tayyeb - WANG, Lin - CHENG, Xingwang - LIU, Anjin - XU, Xuefeng. Omega phase formation and deformation mechanism in heat treated Ti-5553 alloy under high strain rate compression. In MATERIALS LETTERS. ISSN 0167-577X, 2019, vol. 236, pp. 163-166., Registrované v: WOS

2. [1.1] CHOU, Kathleen - MARQUIS, Emmanuelle A. Oxygen effects on omega and alpha phase transformations in a metastable beta Ti-Nb alloy. In ACTA MATERIALIA. ISSN 1359-6454, 2019, vol. 181, pp. 367-376., Registrované v: WOS

3. [1.1] GAO, Junheng - KNOWLES, Alexander J. - GUAN, Dikai - RAINFORTH, W. Mark. omega phase strengthened 1.2GPa metastable beta titanium alloy with high ductility. In SCRIPTA MATERIALIA. ISSN 1359-6462, 2019, vol. 162, pp. 77-81., Registrované v: WOS

4. [1.1] GAO, Puyi - FAN, Jiangkun - SUN, Feng - CHENG, Jun - LI, Lei - TANG, Bin - KOU, Hongchao - LI, Jinshan. Crystallography and asymmetry of tensile and compressive stress-induced martensitic transformation in metastable beta titanium alloy Ti-7Mo-3Nb-3Cr-3Al. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2019, vol. 809, UNSP 151762., Registrované v: WOS

5. [1.1] HE, Qiwei - DU, Zhaoxin - WANG, Xiaopeng - CUI, Xiaoming - LIU, Fei - CHEN, Yanfei - CHENG, Jun - ZHAO, Xueping - CHEN, Yuyong. Effect of cold rolling reduction on grain growth kinetics of TB8 titanium alloy during annealing heat treatment. In MATERIALS RESEARCH EXPRESS. ISSN 2053-1591, 2019, vol. 6, no. 11, 116586., Registrované v: WOS

6. [1.1] KHADEMI, V. - IKEDA, M. - HERNANDEZ-ESCOBAR, D. - BOEHLERT, C. J. The Elevated-Temperature Strength Enhancement of a Low-Cost beta Titanium Alloy Through Thermomechanically-Induced Phase Transformation. In JOM. ISSN 1047-4838, 2019, vol. 71, no. 10, pp. 3621-3630., Registrované v: WOS

7. [1.1] RAZUMOV, I. K. - GORNOSTYREV, Yu. N. Metastable Dispersed States

Arising upon Three-Component Alloy Decomposition. In PHYSICS OF THE SOLID STATE. ISSN 1063-7834, 2019, vol. 61, no. 12, pp. 2493-2502., Registrované v: WOS

8. [1.1] RECK, Andre - PILZ, Stefan - KUCZYK, Martin - GEBERT, Annett - ZIMMERMANN, Martina. *Cyclic deformation characteristics of the metastable beta-type Ti-40Nb alloy. In MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING. ISSN 0921-5093, 2019, vol. 761, 137966., Registrované v: WOS*
9. [1.1] YAO, Kai - MIN, Xiaohua - EMURA, Satoshi - TSUCHIYA, Koichi. *Coupling effect of deformation mode and temperature on tensile properties in TWIP type Ti-Mo alloy. In MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING. ISSN 0921-5093, 2019, vol. 766, 138363., Registrované v: WOS*

ADMB Vedecké práce v zahraničných neimpaktovaných časopisoch registrovaných v databázach Web of Science alebo SCOPUS

- ADMB01 ACOSTA, L. - PAGANO, E. V. - MINNITI, T. - VERDE, G. - AMORINI, F. - ANZALONE, A. - AUDITORE, L. - BUSCEMI, M. - CARDELLA, G. - CHBIHI, A. - DE FILIPPO, E. - VENHART, Martin - VESELSKÝ, Martin. FARCOS, a new array for femtoscopy and correlation spectroscopy. In EPJ Web of Conferences, 2012, vol. 31, uNSP 00035. ISSN 2100-014X. Dostupné na: <https://doi.org/10.1051/epjconf/20123100035>
Citácie:
1. [1.1] DELL'AQUILA, D. - SWEANY, S. - BROWN, K. W. - CHAJECKI, Z. - LYNCH, W. G. - TEH, F. C. E. - TSANG, C-Y - TSANG, M. B. - ZHU, K. - ANDERSON, C. - ANTHONY, A. - BARLINI, S. - BARNEY, J. - CAMAIANI, A. - JHANG, G. - CROSBY, J. - ESTEE, J. - GHAZALI, M. - GUAN, F. - KHANAL, O. - KODALI, S. - LOMBARDO, I - MANFREDI, J. - MORELLI, L. - MORFOUACE, P. - NIU, C. - VERDE, G. *Non-linearity effects on the light-output calibration of light charged particles in CsI(Tl) scintillator crystals. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, 2019, vol. 929, pp. 162-172., Registrované v: WOS*
- ADMB02 ADAMUŠČIN, Cyril - BARTOŠ, Erik - DUBNIČKA, Stanislav - DUBNIČKOVÁ, A.Z. Advanced nucleon electromagnetic structure model and charge proton rms radius. In Nuclear Physics B - Proceedings Supplements, 2013, vol. 245, p. 69-73. (2013 - WOS, SCOPUS). ISSN 0920-5632. Dostupné na: <https://doi.org/10.1016/j.nuclphysbs.2013.10.014>
Citácie:
1. [1.1] MAHROUS, E. M. - DARWISH, E. M. - ABOU-ELSEBAA, H. M. - HEMMDAN, A. *Influence of Nucleon Structure on Tensor and Vector Analyzing Powers in Elastic Electron-Deuteron Scattering. In MOSCOW UNIVERSITY PHYSICS BULLETIN. ISSN 0027-1349, 2019, vol. 74, no. 4, pp. 341-352., Registrované v: WOS*
- ADMB03 BĚTÁK, Emil** - CSEH, J. State density formalism of the Iwamoto-Harada model: A suitable tool to treat cluster emission from heavy-ion collisions with account for spin variables. In EPJ Web of Conferences, 2017, vol. 146, art. no. 12023. (2016: 0.200 - SJR). ISSN 2100-014X. Dostupné na: <https://doi.org/10.1051/epjconf/2017/201714612023>
Citácie:

1. [1.1] CHAUHAN, Amit - MAITI, Moumita. New measurement of residues from $Li-7 + Ta-nat$ reaction within 4-6.5 MeV/nucleon: Production yield for Os-183. In *PHYSICAL REVIEW C*. ISSN 2469-9985, 2019, vol. 99, no. 3, 034608.,
 Registrované v: WOS

ADMB04 COCOLIOS, T. E. - ANDREYEV, A. N. - ANTALIC, S. - BARZAKH, A. E. - BASTIN, B. - BUSCHER, J. - DARBY, I. G. - DEXTERS, W. - FEDOROV, D. V. - FEDOSSEEV, V. N. - FLANAGAN, K. T. - FRANCHOO, S. - FRITZSCHE, S. - HUBER, G. - HUYSE, M. - KEUPERS, M. - KOSTER, U. - KUDRYAVTSEV, Y. - MANE, E. - MARSH, B. A. - MOLKANOV, P. L. - PAGE, R. D. - SELIVERSTOV, M. D. - SJODIN, A. M. - STEFAN, I. - VAN DE WALLE, J. - VAN DUPPEN, P. - VENHART, Martin - ZEMLYANOY, S. G. Early onset of deformation in the neutron-deficient polonium isotopes. In *Journal of Physics: Conference Series*, 2012, vol. 381, 012072. (2011: 0.293 - SJR, Q3 - SJR). (2012 - WOS, SCOPUS). ISSN 1742-6588. Dostupné na: <https://doi.org/10.1088/1742-6596/381/1/012072>

Citácie:

1. [1.1] SINGH, Balraj - BASUNIA, M. S. - MARTIN, Murray - MCCUTCHAN, E. A. - BALA, Indu - CABALLERO-FOLCH, R. - CANAVAN, Rhiann - CHAKRABARTI, Ritwika - CHEKHOVSKA, A. - GRINDER, M. M. - KAIM, Samra - KANJILAL, Debasmita - KASPEROVYCH, D. - KOBRA, M. J. - KOURA, H. - NANDI, Soumen - OLACEL, Adina - SINGH, Abhilasha - TEE, B. P. E. Nuclear Data Sheets for $A=218$. In *NUCLEAR DATA SHEETS*. ISSN 0090-3752, 2019, vol. 160, pp. 405-471., Registrované v: WOS

ADMB05 DUBNIČKOVÁ, A. Z. - DUBNIČKA, Stanislav - GOUDZOVSKI, E. - PERVUSHIN, V. N. - SEČANSKÝ, M. Radiative kaon decay in the chiral perturbation theory(1,2). In *Physics of Particles and Nuclei Letters*, 2008, vol. 5, no. 2, p. 76-84. (2007: 0.149 - SJR, Q3 - SJR). (2008 - SCOPUS). ISSN 1547-4771.

Citácie:

1. [1.2] ALVES JUNIOR, A. A. - BETTLER, M. O. - BREA RODRÍGUEZ, A. - et al. Prospects for measurements with strange hadrons at LHCb. In *Journal of High Energy Physics*. ISSN 11266708, 2019, no. 5, 048., Registrované v: SCOPUS
 2. [1.2] D'AMBROSIO, Giancarlo - GREYNAT, David - KNECHT, Marc. On the amplitudes for the CP-conserving $K^{*+} (K^{*0}) \rightarrow \pi^{*+} (\pi^{*0}) \ell^{*+} (\ell^{*0})$ rare decay modes. In *Journal of High Energy Physics*. ISSN 11266708, 2019, no. 2, 049., Registrované v: SCOPUS

ADMB06 FILIP, Peter. Strong Decay of $\phi(1s)$, $\gamma(4s)$ and $\Sigma^{*+/-}$ in Magnetic Field. In *Journal of Physics: Conference Series*, 2016, vol. 668, no. 1, art. no. 012055. (2015: 0.252 - SJR, Q3 - SJR). (2016 - SCOPUS, WOS). ISSN 1742-6588. Dostupné na: <https://doi.org/10.1088/1742-6596/668/1/012055>

Citácie:

1. [1.1] GHOSH, Snigdha - MUKHERJEE, Arghya - ROY, Pradip - SARKAR, Sourav. General structure of the neutral rho meson self-energy and its spectral properties in a hot and dense magnetized medium. In *PHYSICAL REVIEW D*. ISSN 2470-0010, 2019, vol. 99, no. 9, 096004., Registrované v: WOS

ADMB07 GMUCOVÁ, Katarína** - NÁDAŽDY, Vojtech** - VÁRY, Tomáš**. Density of dark and light-induced polaron states in polymer PFO and copolymer PFO-DBT thin films. In *AIP Conference Proceedings*, 2018, vol. 1996, no. 1, 020014. (2017: 0.165 - SJR). ISSN 0094-243X. Dostupné na: <https://doi.org/10.1063/1.5048866>

Citácie:

1. [1.1] KRINICHNYI, Victor I. - YUDANOVA, Evgeniya I. - DENISOV, Nikolay N. - BOGATYRENKO, Victor R. Light-Induced Electron Paramagnetic Resonance Spectroscopy of Spin-Assisted Charge Transfer in Narrow-Bandgap

Copolymer: Methanofullerene Composites. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2019, vol. 123, no. 27, pp. 16533-16545., Registrované v: WOS

- ADMB08 HALÁSZOVÁ, Soňa** - VÁRY, Tomáš - NÁDAŽDY, Vojtech - CHLPÍK, Juraj - CIRÁK, Július. Effect of substrate roughness on photoluminescence of poly(3-hexylthiophene). In AIP Conference Proceedings : Applied Physics of condensed Matter (APCOM 2018), 2018, vol. 1996, art. no. 020015. (2017: 0.165 - SJR). ISSN 0094-243X. Dostupné na: <https://doi.org/10.1063/1.5048867>

Citácie:

1. [1.1] WAGNER, Avital - RATZKER, Barak - KALABUKHOV, Sergey - FRAGE, Nachum. Enhanced external luminescence quantum efficiency of ceramic phosphors by surface roughening. In JOURNAL OF LUMINESCENCE. ISSN 0022-2313, 2019, vol. 213, pp. 454-458., Registrované v: WOS

- ADMB09 KAVETSKYY, T. - TSMOTS, V. - ŠAUŠA, Ondrej - STEPANOV, A.L. Structural modification of chalcogenide glasses by gamma-irradiation studied with DBAL technique. In Physica Status Solidi C, 2012, vol. 9, no. 12, p. 2420-2423. (2012 - SCOPUS). ISSN 1610-1634. Dostupné na: <https://doi.org/10.1002/pssc.201200252>

Citácie:

1. [1.1] SRIVASTAVA, Ankita - SHARMA, S. D. - MEHTA, Neeraj. Characterization of novel SeTeSn Chalcogenide Glassy Alloy (STS ChGA) as shielding material: Case study of its resistance against gamma-ray irradiation for nuclear waste immobilization applications. In JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING. ISSN 2213-2929, 2019, vol. 7, no. 2, UNSP 103032., Registrované v: WOS

- ADMB10 KAVETSKYY, T.S.** - LIEDKE, M.O. - SRINIVASAN, N. - WAGNER, A. - KRAUSE-REHBERG, R. - ŠAUŠA, Ondrej - PETKOVA, T. - BOEV, V. - STEPANOV, A. L. Polymer Nanocomposites with Silver Nanoparticles Formed by Low-Energy Ion Implantation: Slow Positron Beam Spectroscopy Studies. In NATO Science for Peace and Security Series A: Chemistry and Biology : [serial], 2018, p. 293-300. (2017: 0.121 - SJR, Q4 - SJR). ISSN 1874-6489. Dostupné na: https://doi.org/10.1007/978-94-024-1304-5_21

Citácie:

1. [1.1] DRYZEK, Jerzy. Positron diffusion enhances the accumulation effect in small particles embedded in a low-density matrix. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2019, vol. 125, no. 9, 095105., Registrované v: WOS

- ADMB11 LORENZ, M. - ADAMCZEWSKI-MUSCH, J. - ARNOLD, O. - ATOMSSA, E.T. - BEHNKE, C. - HLAVÁČ, Stanislav. Strange hadron production at SIS energies: an update from HADES. In Journal of Physics: Conference Series. - Bristol : IOP, 2016, vol. 668, art. no. 012022. (2015: 0.252 - SJR, Q3 - SJR). (2016 - SCOPUS, WOS). ISSN 1742-6588. Dostupné na: <https://doi.org/10.1088/1742-6596/668/1/012022>

Citácie:

1. [1.1] TUTURAS, Nicolae George - JIPA, Alexandru - JINARU, Adam - CHITAN, Adrian. PREDICTIONS ON SOME POSSIBLE PHASE TRANSITIONS IN AU-AU NUCLEAR CENTRAL COLLISIONS IN CBM EXPERIMENT AT FAIR-GSI. In ROMANIAN REPORTS IN PHYSICS. ISSN 1221-1451, 2019, vol. 71, no. 1, 303., Registrované v: WOS

- ADMB12 MAJERNÍK, V. - NAGY, Miroslav. Quaternionic Form of Maxwells Equations with Sources. In Lettere al Nuovo Cimento, 1976, vol. 16, no. 9, p. 265-268. ISSN 0375-930X. Dostupné na: <https://doi.org/10.1007/BF02747070>

Citácie:

1. [1.1] KANSU, Mustafa Emre. Quaternionic representation of electromagnetism for material media. In INTERNATIONAL JOURNAL OF GEOMETRIC

METHODS IN MODERN PHYSICS. ISSN 0219-8878, 2019, vol. 16, no. 7, 1950105., Registrované v: WOS

- ADMB13 MOHAMMADY, Mohammed Hamed - ROMITO, Alessandro. Conditional work statistics of quantum measurements. In Quantum : the open journal for quantum science, 2019, vol. 3, art. no. 175. (2019 - Current Contents, WOS, SCOPUS). ISSN 2521-327X.

Citácie:

1. [1.1] QASIM, Waseem. Emerging therapeutic applications of CRISPR genome editing. In EMERGING TOPICS IN LIFE SCIENCES. ISSN 2397-8554, 2019, vol. 3, no. 3, pp. 257-260., Registrované v: WOS
2. [1.1] YUXIA ZHANG, Jian Zou - BIN, Shao. No-Signaling-in-Time (NSIT) Condition for Energy. In ENTROPY, 2019, vol. 21, no. 11, 1067., Registrované v: WOS

- ADMB14 ŠAUŠA, Ondrej - MAŤKO, Igor - MACOVÁ, Eva - BEREK, Dušan. Confined water in controlled pore glass CPG-10-120 studied by positron annihilation lifetime spectroscopy and differential scanning calorimetry. In Journal of Physics: Conference Series, 2015, vol. 618, 012041. (2014: 0.264 - SJR, Q3 - SJR). (2015 - WOS, SCOPUS). ISSN 1742-6588. Dostupné na: <https://doi.org/10.1088/1742-6596/618/1/012041>

Citácie:

1. [1.1] THANGSWAMY, Muthulakshmi - DUTTA, D. - MAHESHWARI, Priya - SEN, Debasis - PUJARI, P. K. Energetics of ice nucleation in mesoporous titania using positron annihilation spectroscopy. In PHYSICAL CHEMISTRY CHEMICAL PHYSICS. ISSN 1463-9076, 2019, vol. 21, no. 11, pp. 6033-6041., Registrované v: WOS

ADNA Vedecké práce v domácich impaktovaných časopisoch registrovaných v databázach Web of Science alebo SCOPUS

- ADNA01 GMUCA, Štefan - RIBANSKÝ, I. NEUTRON-ACTIVATION CROSS-SECTIONS ON ND ISOTOPES AT 14.8 MEV

Citácie:

1. [1.1] WANG, Qiang - CHEN, Bing-Jun - ZHANG, Qian - CAI, Si-Min - LAN, Chang-Lin - FANG, Kai-Hong. Cross-section measurement of (n,2n) reactions for Nd isotopes induced by 14MeV neutrons. In NUCLEAR SCIENCE AND TECHNIQUES. ISSN 1001-8042, 2019, vol. 30, no. 1, 8., Registrované v: WOS

- ADNA02 KOPANI, Martin - MIKULA, Milan - KOSNAC, Daniel - GREGUS, Jan - PINČÍK, Emil. Morphology and FT IR spectra of porous silicon. In Journal of Electrical Engineering, 2017, vol. 68, no. 7, p. 53-57. (2016: 0.483 - IF, Q4 - JCR, 0.311 - SJR, Q2 - SJR). (2017 - WOS, SCOPUS). ISSN 1335-3632. Dostupné na: <https://doi.org/10.1515/jee-2017-0056>

Citácie:

1. [1.1] PANDARAM, P. - SARANYA, A. - JOTHI, S. - LAWRENCE, B. - PRITHIVIKUMARAN, N. - JEYAKUMARAN, N. Non-linear structural and surface morphological modifications due to gamma irradiation in p-type porous silicon. In MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING. ISSN 1369-8001, 2019, vol. 104, UNSP 104678., Registrované v: WOS

- ADNA03 ŠVEC, Peter - SZEW CZYK, R. - SALACH, J. - JACKIEWICZ, D. - ŠVEC, Peter Jr. - BIENKOWSKI, A. - HOŠKO, Jozef. Magnetoelastic properties of selected amorphous systems tailored by thermomagnetic treatment. In Journal of Electrical Engineering, 2014, vol. 65, no. 4, p. 259-261. (2013: 0.420 - IF, Q4 - JCR, 0.187 - SJR). (2014 - INSPEC, WOS, SCOPUS). ISSN 1335-3632. Dostupné na:

<https://doi.org/10.2478/jee-2014-0040>

Citácie:

1. [1.1] BURDIN, D. A. - EKONOMOV, N. A. - CHASHIN, D. - FETISOV, Y. K. - GORDEEV, S. N. *Magnetoelectric doubling and mixing of electric and magnetic field frequencies in a layered multiferroic heterostructure. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2019, vol. 485, pp. 36-42., Registrované v: WOS*
2. [1.1] NOWICKI, Michal. *Stress Dependence of Seebeck Coefficient in Iron-Based Amorphous Ribbons. In MATERIALS, 2019, vol. 12, no. 17, 2814., Registrované v: WOS*
3. [1.1] NOWICKI, Michal. *Stress Dependence of the Small Angle Magnetization Rotation Signal in Commercial Amorphous Ribbons. In MATERIALS, 2019, vol. 12, no. 18, 2908., Registrované v: WOS*

ADNB Vedecké práce v domácich neimpaktovaných časopisoch registrovaných v databázach Web of Science alebo SCOPUS

- ADNB01 BOHÁČ, Vlastimil**. Thermal properties of materials and their characterization by classic and transient methods. In MEASUREMENT 2017 : Proceedings of the 11th International Conference on Measurement, 2017, p. 53-62. ISBN 978-80-972629-0-7. Dostupné na: <https://doi.org/10.23919/MEASUREMENT.2017.7983535>

Citácie:

1. [1.1] STAROSTIN, Alexandr - SKRIPOV, Pavel. *Methodology for Measurements of the Properties of Not Fully Stable Fluids. In 2019 PROCEEDINGS OF THE 12TH INTERNATIONAL CONFERENCE ON MEASUREMENT (MEASUREMENT 2019), 2019, pp. 75-78., Registrované v: WOS*

***AEC Vedecké práce v zahraničných recenzovaných vedeckých zborníkoch, monografiách**

- AEC01 BENÁK, Michal - TURŇA, Milan - OŽVOLD, Milan - NESVADBA, Petr - LOKAJ, Ján - ČAPLOVIČ, Ľubomír - KOVÁČ, František - STOYKA, Volodymyr. Study of Al-austenitic steel boundary formed by explosion welding. In Metal 2010 : 19. mezinárodní konference metalurgie a materiálů. Rožnov pod Radhoštěm, 18.-20.5.2010. - Ostrava : Tanger, s.r.o., 2010, s. 235-240. ISBN 978-80-87294-15-4. (Metal 2010 : 19. mezinárodní konference metalurgie a materiálů)

Citácie:

1. [1.2] GHAREH SHIRAN, Mohammad Reza Khanzadeh - RAZAZI, Mohammad - BAKHTIARI, Hamid - TAVIRA, Ali. *Evaluation of welding parameter's effects on corrosion behavior of bronze-carbon steel dual-layer explosion welded joint at salt enviroment. In Materials Research. ISSN 15161439, 2018-01-01, 21, 2, pp., Registrované v: SCOPUS*

AFC Publikované príspevky na zahraničných vedeckých konferenciách

- AFC01 AHARONOV, D. - HARROW, A.W. - LANDAU, Z. - NAGAJ, Daniel - SZEGEDY, M. - VAZIRANI, U. Local tests of global entanglement and a counterexample to the generalized area law. In Proceedings of 55th Annual IEEE Symposium on Foundations of Computer Science (FOCS). - New York : IEEE, 2014, p. 246-255. ISBN 978-1-4799-6517-5. ISSN 0272-5428. Dostupné na: <https://doi.org/10.1109/FOCS.2014.34>

Citácie:

1. [1.1] COUDRON, Matthew - HARROW, Aram W. Universality of EPR Pairs in Entanglement-Assisted Communication Complexity, and the Communication Cost of State Conversion. In 34TH COMPUTATIONAL COMPLEXITY CONFERENCE (CCC 2019). ISSN 1868-8969, 2019, vol. 137, UNSP 20., Registrované v: WOS

AFC02 HODAS, Martin - ŠIFFALOVIČ, Peter - HALAHOVETS, Yuriy - PELLETTA, Marco - VÉGSO, Karol - JERGEL, Matej - MAJKOVÁ, Eva. In-situ GISAXS monitoring of ultrashort period W/B4C multilayer X-ray mirror growth. In Proceedings of the SPIE, 2015, vol. 9588, 958804. (2014: 0.237 - SJR). (2015 - SCOPUS, WOS). ISSN 0277-786X. Dostupné na: <https://doi.org/10.1117/12.2187999>

Citácie:

1. [1.1] SALAMON, K. - DUBCEK, P. - DRAZIC, G. - BERNSTORFF, S. - RADIC, N. Lateral inhomogeneities in W/C multilayer mirrors. In THIN SOLID FILMS. ISSN 0040-6090, 2019, vol. 691, 137611., Registrované v: WOS

AFC03 CHANG, I.T.H. - ŠVEC, Peter - GOGEBAKAN, M. - CANTOR, B. Rapidly solidified Al85Ni15-xYx(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.

Citácie:

1. [1.1] KERLI, S. - ALVER, U. - GOGEBAKAN, M. Investigation of The Effect of Annealing on Resistivity in Aluminum-based Amorphous Alloys. In PHYSICS AND CHEMISTRY OF SOLID STATE. ISSN 1729-4428, 2019, vol. 20, no. 4, pp. 391-395., Registrované v: WOS

AFC04 ISKROVÁ, Martina, Miklošovičová - 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. - Zürich : Trans. Tech. Publications, 2009, vol. 607, p. 235-237. (2008: 0.298 - SJR, Q2 - SJR). ISSN 0255-5476. Dostupné na: <https://doi.org/10.4028/0-87849-348-4.235>

Citácie:

1. [1.1] LUKESOVA, M. - SVAJDLENKOVA, H. - REUTER, D. - VALIC, S. - LOIDL, A. - BARTOS, J. Spin probe interaction and mobility in confined cyclohexane: Effects of pore size and pore surface composition of silica gel matrices. In CHEMICAL PHYSICS LETTERS. ISSN 0009-2614, 2019, vol. 735, UNSP 136756., Registrované v: WOS

AFC05 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.

Citácie:

1. [1.1] CLARK, Amy. Exploring Women's Experiences: Embodied Pathways and Influences for Exercise Participation. In SOCIETIES. ISSN 2075-4698, 2019, vol. 9, no. 1, 16., Registrované v: WOS

AFC06 VALIK, L. - ŤAPAJNA, Milan - GUCMANN, Filip - FEDOR, Ján - ŠIFFALOVIČ, 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.

Citácie:

1. [1.1] SAMANTA, Piyas. A comprehensive technique for estimation of process-

- induced fixed charges and effective work function of the metal gate on high-kappa/SiO₂ stack. In SEMICONDUCTOR SCIENCE AND TECHNOLOGY. ISSN 0268-1242, 2019, vol. 34, no. 11, 115008., Registrované v: WOS*
- AFC07 ZIMAN, Mário - BUŽEK, Vladimír. Open system dynamics of simple collision models. In Quantum Dynamics and Information . Proceedings of 46th Karpacz Winter School of Theoretical Physics, February 8-13, 2010, Ładek Zdrój, Poland. Chapter 1. Quantum memories and Landauer's principle. - Singapore : World Scientific Publishing, 2011. ISBN 978-981-4317-43-6. Dostupné na: https://doi.org/10.1142/9789814317443_0011
- Citácie:**
1. [1.1] CAKMAK, Baris - CAMPBELL, Steve - VACCHINI, Bassano - MUSTEAPLIOGLU, Ozgur E. - PATERNOSTRO, Mauro. Robust multipartite entanglement generation via a collision model. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 99, no. 1, 012319., Registrované v: WOS
 2. [1.1] KARPAT, G. - YALCINKAYA, I - CAKMAK, B. Quantum synchronization in a collision model. In PHYSICAL REVIEW A. ISSN 2469-9926, 2019, vol. 100, no. 1, 012133., Registrované v: WOS
 3. [1.1] MOHAMMADY, M. Hamed - ROMITO, Alessandro. Efficiency of a cyclic quantum heat engine with finite-size baths. In PHYSICAL REVIEW E. ISSN 2470-0045, 2019, vol. 100, no. 1, 012122., Registrované v: WOS

Nezaradené publikácie

- 01 DUHAJ, Pavol - ŠVEC, Peter - ZEMCIK, T. Micromechanism of crystallization of Fe₈₀B₂₀ amorphous alloy. In Materials Letters, 1990, vol. 9, no. 7-8, p. 235-241. ISSN 0167-577X. Dostupné na: [https://doi.org/10.1016/0167-577X\(90\)90052-N](https://doi.org/10.1016/0167-577X(90)90052-N)
- Citácie:**
1. [1.1] KUTASHOVAA, E. M. - PYATAEVA, A. - SHKODICH, N. F. - ROGACHEV, A. S. - SCHECK, Yu B. Fe-B nanomaterials by mechanochemical synthesis: A Mossbauer study. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2019, vol. 492, UNSP 165663., Registrované v: WOS
- 02 MAAS, Axel**. Two- and three-point Green's functions in two-dimensional Landau-gauge Yang-Mills theory. In Physical Review D, 2007, vol. 75, no. 11, 116004. (2006: 4.896 - IF, Q1 - JCR, 2.381 - SJR, Q1 - SJR, karentované - CCC). (2007 - Current Contents, WOS, SCOPUS). ISSN 1550-7998. Dostupné na: <https://doi.org/10.1103/PhysRevD.75.116004>
- Citácie:**
1. [1.1] VUJINOVIC, Milan - MENDES, Tereza. Probing the tensor structure of lattice three-gluon vertex in Landau gauge. In PHYSICAL REVIEW D. ISSN 2470-0010, 2019, vol. 99, no. 3, 034501., Registrované v: WOS

Príloha D

Údaje o pedagogickej činnosti organizácie

Semestrálne prednášky:

prof. Ing. Štefan Luby, DrSc.

Názov semestr. predmetu: Technika budúcnosti-podklad pre dišt. vzdelávanie

Počet hodín za semester: 6

Názov katedry a vysokej školy: Slovenská technická univerzita v Bratislave, Fakulta III. veku

Ing. Vojtech Nádaždy, CSc.

Názov semestr. predmetu: Nanotechnologie

Počet hodín za semester: 4

Názov katedry a vysokej školy: Fakulta elektrotechniky a informatiky STU, Institut nuklearneho a fyzikalneho inzinierstva

Doc. RNDr. Martin Plesch, PhD.

Názov semestr. predmetu: Kvantové spracovanie informácie

Počet hodín za semester: 26

Názov katedry a vysokej školy: Univerzita Komenského v Bratislave, FMFI

RNDr. Daniel Reitzner, PhD.

Názov semestr. predmetu: PV275 Introduction to Quantum Programming

Počet hodín za semester: 26

Názov katedry a vysokej školy: Masarykova univerzita Brno, ČR, Fakulta informatiky

Doc. Mgr. Mário Ziman, PhD.

Názov semestr. predmetu: Kvantová teória merania

Počet hodín za semester: 26

Názov katedry a vysokej školy: Univerzita Komenského v Bratislave, FMFI

Doc. Mgr. Mário Ziman, PhD.

Názov semestr. predmetu: Programovanie kvantových počítačov

Počet hodín za semester: 24

Názov katedry a vysokej školy: Slovenská technická univerzita v Bratislave, FEI, FIIT

Semestrálne cvičenia:

RNDr. Matej Pivoluska, PhD.

Názov semestr. predmetu: kryptografia

Počet hodín za semester: 56

Názov katedry a vysokej školy: Masarykova univerzita Brno, ČR, fakulta informatiky

RNDr. Daniel Reitzner, PhD.

Názov semestr. predmetu: B-ZPKP Základy programovania kvantových počítačov

Počet hodín za semester: 24

Názov katedry a vysokej školy: Slovenská technická univerzita v Bratislave, FEI

RNDr. Daniel Reitzner, PhD.

Názov semestr. predmetu: IB111 Základy programování

Počet hodín za semester: 52

Názov katedry a vysokej školy: Masarykova univerzita Brno, ČR, Fakulta informatiky

RNDr. Daniel Reitzner, PhD.

Názov semestr. predmetu: KVATP_I Základy programovania kvantových počítačov

Počet hodín za semester: 24

Názov katedry a vysokej školy: Slovenská technická univerzita v Bratislave, FIIT

Semináre:

Terénne cvičenia:

Individuálne prednášky:

Príloha E**Medzinárodná mobilita organizácie****(A) Vyslanie vedeckých pracovníkov do zahraničia na základe dohôd:**

Krajina	D r u h d o h o d y					
	MAD, KD, VTS		Medziústavná		Ostatné	
	Meno pracovníka	Počet dní	Meno pracovníka	Počet dní	Meno pracovníka	Počet dní
Belgicko					Vladimír Bužek	2
Cyprus					Peter Švec	2
Česko					Katarína Gmucová	2
					Katarína Gmucová	2
Nemecko	Naďa Mrkývková	4			Jakub Hagara	180
Rakúsko					Anna Kálosi	47
Rusko	Stanislav Dubnička	4				
Švajčiarsko	Stanislav Hlaváč	2				
Taliansko					Michal Bodík	8
					Peter Nádaždy	6
					Michal Sedlák	2
					Ashin Shaji	8
					Peter Šiffalovič	6
					Karol Végső	8
					Mário Ziman	2
Veľká Británia					Michal Bodík	3
					Ivan Štich	3
Počet vyslaní spolu	3	10			15	281

(B) Prijatie vedeckých pracovníkov zo zahraničia na základe dohôd:

Krajina	D r u h d o h o d y					
	MAD, KD, VTS		Medziústavná		Ostatné	
	Meno pracovníka	Počet dní	Meno pracovníka	Počet dní	Meno pracovníka	Počet dní
Čína					Dr. Erkka Haapasalo	12
Irán					Dr. Arash Ghoreishi	12
Nemecko					Ekaterina Kneschaurek	7

					Konstantin Tyulyunov	7
Veľká Británia					Lev Kantorovitch	4
Počet prijatí spolu					5	42

(C) Účasť pracovníkov pracoviska na konferenciách v zahraničí (nezahrnutých v "A"):

Krajina	Názov konferencie	Meno pracovníka	Počet dní
Austrália	32"Assembly of Advanced Materials Congress	Ivan Štich	8
Belgicko	EuroQCI Sherpas meeting	Vladimír Bužek	2
Poľsko	EQCD 2020	Stanislav Dubnička	8
Rakúsko	Winter School "Machine Learning in Physics"	Roman Krčmár	8
		Peter Rapčan	8
Taliansko	QQQ Workshop	Nidhin Sudarsanan	6
Spolu	5	6	40

Výsvetlivky: MAD - medziakademické dohody, KD - kultúrne dohody, VTS - vedecko-technická spolupráca v rámci vládnych dohôd

Skratky použité v tabuľke C:

32"Assembly of Advanced Materials Congress - 32"Assembly of Advanced Materials Congress

EQCD 2020 - Excited QCD 2020

EuroQCI Sherpas meeting - EuroQCI Sherpas meeting

QQQ Workshop - QQQ Workshop on Quantum open systems Quantum thermodynamics Quantum probability

Winter School "Machine Learning in Physics" - Winter School "Machine Learning in Physics"

Príloha F

Vedecko-popularizačná činnosť pracovníkov organizácie SAV

Meno	Spoluautori	Typ¹	Názov	Miesto zverejnenia	Dátum alebo počet za rok
Mgr. Cyril Adamuščín, PhD.		PB	DOD 2020: Elementárny, elementárnejší, najelementárnejší	www.fu.sav.sk/dod	11.11.2020
Mgr. Cyril Adamuščín, PhD.	Daniel Nagaj	IN	Dni otvorených dverí FU SAV	fu.sav.sk , tyzdenvedy.sk	9.11.2020
Ing. Vlastimil Boháč, CSc.		iné	Ročníkový projekt - Zuzana Štefancová, The effect of moisture content on the thermal conductivity of building materials	Gymnázium Jura Hronca v Bratislave	30.11.2020
Mgr. Peter Filip, PhD.		PB	Diskusia s fyzikmi popierajúcimi platnosť ŠTR	e-mail savba.sk	17.12.2020
Ing. Matej Jergel, DrSc.		IN	Noc výskumníka, prezentácia výskumných aktivít v OMN	online	11.11.2020
Ing. Matej Jergel, DrSc.		IN	Noc výskumníka, prezentácia výskumných aktivít v OMN	online	27.11.2020
Dr.Rer.Nat. Ing. Mgr. Andrej Liptaj, PhD.		PB	DOD 2020: Fyzika Hudby	https://youtu.be/Abcy mSi5QMk	9.11.2020
prof. Ing. Štefan Luby, DrSc.		iné	Exkurzia do sveta hybridnej elektroniky	Výstava dejín výpočtovej techniky na Slovensku	2020
prof. Ing. Štefan Luby, DrSc.		IN	K nedeľnej 90-ke I. predsedu Učenej spol. SAV prof. B. Lichardusa	www.learned.sk	8.12.2020
prof. Ing. Štefan Luby, DrSc.		IN	Opustil nás prof. R. Zahradník	www.sav.sk	2020
prof. Ing. Štefan Luby, DrSc.		TL	Spomienka na prof. J. Krempaského, DrSc.	Obzory mat., fyziky a informatiky, 49, 2020, 44 - 49	2020
prof. Ing. Štefan Luby, DrSc.		TL	Storočnica profesora V. Hajka	Česk. čas. fyziky, 70, 2020, 234-236	2020
Mgr. Daniel Nagaj, PhD.		PB	DOD 2020: Fyzika informácie	https://www.youtube.com/watch?v=YOFg_3MAQo4&t=2s&ab_channel=FUSAV	13.11.2020
Mgr. Daniel Nagaj, PhD.		RO	Rozhovor o kvantovej kryptografii	https://enrsi.rtv.slovakia.sk/articles/science-and-healthcare/236276/how-quantum-computing-threatens-internet-security-and-whats-being-done-about-it	7.10.2020
Mgr. Daniel Nagaj,	Mário Ziman	IN	Podcast SME Zoom	https://castbox.fm/app	24.11.2020

PhD.			(Kvantový svet je iný ako ten náš sedliacky)	/castbox/player/id2921825/id330117228?v=8.22.11&autoplay=0	
Doc. RNDr. Martin Plesch, PhD.		PB	DOD 2020: Ako veci fungujú	www.fu.sav.sk/dod	13.11.2020
Mgr. Martin Venhart, PhD.		PB	DOD 2020: Ako vyzerá periodická sústava chemických prvkov v 21. storočí	www.fu.sav.sk/dod	10.11.2020
Mgr. Martin Venhart, PhD.		TV	Experiment: relácia RTVS	RTVS	27.2.2020
Mgr. Martin Venhart, PhD.		IN	SAV vzdeláva žiakov: Štiepenie jadier	https://www.youtube.com/watch?v=TCzJG4CT9Zg	9.4.2020
Mgr. Martin Venhart, PhD.		TV	ŠTÚDIO TA3: Jadrový fyzik M. Venhart o Nobelovej cene za fyziku	TA3	6.10.2020
Mgr. Martin Venhart, PhD.	-	PB	Tabuľa: Ako vznikli chemické prvky vo vesmíre?	Nová Cvernovka Bratislava - https://www.youtube.com/watch?v=LP8G6J2xoBA&t=438s	3.3.2020
Mgr. Martin Venhart, PhD.	Marta Šoltéssová Prnová	RO	História Nobelových cien	Rádio Slovensko	5.10.2020
Mgr. Martin Venhart, PhD.	Marta Šoltéssová Prnová, Ivana Taranenková, Juraj Sipko, Juraj Marušiak	RO	História Nobelových cien	Rádio Slovensko	5.10.2020
Mgr. Martin Venhart, PhD.	Monika Tináková	IN	Nenápadný chemický prvok, ktorý zachraňuje milióny ľudských životov	https://vedanadosah.cvtisr.sk/nenapadny-chemicky-prvok-ktory-zachranuje-miliony-ludskych-zivotov	22.9.2020
Mgr. Martin Venhart, PhD.	Pavol Konopka	RO	Urýchlovač v laboratóriu FÚ SAV v Piešťanoch	RTVS - Rádio Regina	7.9.2020
Doc. Mgr. Mário Ziman, PhD.		IN	prednáška Doba kvantová	Noc vyskumníkov 2020	27.11.2020
Doc. Mgr. Mário Ziman, PhD.	Daniel Nagaj, Tomáš Prokopčák	RO	SME Zoom: Sú výsledky, ktorých správnosť nevieme overiť	https://tech.sme.sk/c/22540600/zoom-su-vysledky-ktorych-spravnost-nevieme-overit.html	24.11.2020
Doc. RNDr. Martin Plesch, PhD.	František Kundracik a.i.	iné	Turnaj mladých fyzikov	www.tmfir.sk	5
Doc. RNDr. Martin Plesch, PhD.	Martin Chudjak, František Kundracik a.i.	iné	Olympiáda mladých vedcov	www.ijso.sk	3

¹ PB - prednáška/beseda, TL - tlač, TV - televízia, RO - rozhlas, IN - internet, EX - exkurzia, PU - publikácia, MM - multimédia, DO - dokumentárny film