Fyzikálny ústav SAV

Správa o činnosti organizácie SAV za rok 2016

Bratislava
január 2017

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1. Základné údaje o organizácii

1.1. Kontaktné údaje

Názov: Fyzikálny ústav SAV
Riaditeľ: RNDr. Stanislav Hlaváč, CSc.
Zástupca riaditeľa: Ing. Peter Švec, DrSc.
Vedecký tajomník: Mgr. Erik Bartoš, PhD.
Predseda vedeckej rady: Mgr. Martin Veselský, PhD.
Členovia snemu SAV: RNDr. Katarína Gmucová, CSc.
Adresa: Dúbravská cesta 9, 845 11 Bratislava 45

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E-mail: angelika.winczerova@savba.sk
Názvy a adresy detašovaných pracovísk:

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

Vedúci detašovaných pracovísk:

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

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
		M	Ž	M	Ž			
Celkový počet zamestnancov	113	91	22	25	5	107	81,6	62,92
Vedeckí pracovníci	73	69	4	13	1	70	60,24	59,74
Odborní pracovníci VŠ (výskumní a vývojoví zamestnanci[1])	19	14	5	12	3	18	4,96	3,18
Odborní pracovníci VŠ (ostatní zamestnanci[2])	7	0	7	0	1	5	4,3	0
Odborní pracovníci ÚS	14	8	6	0	0	14	12,1	0
Ostatní pracovníci	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 31.12.2016 (uvádzať zamestnancov v pracovnom pomere, vrátane riadnej materskej dovolenky, zamestnancov pôsobiacich v zahraničí, v štátnych funkciách, členov

Predsedníctva SAV, zamestnancov pôsobiacich v zastupiteľských zboroch)
F – fyzický stav zamestnancov k 31.12.2016 (bez riadnej materskej dovolenky, zamestnancov pôsobiacich v zahraničí v štátnych funkciách, členov Predsedníctva SAV, zamestnancov pôsobiacich v zastupiteľských zboroch)
P – celoročný priemerný prepočítaný počet zamestnancov
T – celoročný priemerný prepočítaný počet riešiteľov projektov
M, Ž – muži, ženy

Tabuľka 1b Štruktúra vedeckých pracovníkov (kmeňový stav k 31.12.2016)

Rodová skladba	**Pracovníci s hodnosťou**				**Vedeckí pracovníci v stupňoch**		
	DrSc.	**CSc./PhD.**	**prof.**	**doc.**	**I.**	**II.a.**	**II.b.**
Muži	14	53	3	4	14	32	23
Ženy	1	3	0	0	1	2	1

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**
Muži	16	8	13	7	3	4	11	7	9
Ženy	1	1	1	0	0	0	0	2	1

Tabuľka 1d Priemerný vek zamestnancov organizácie k 31.12.2016

	Kmeňoví zamestnanci		**Vedeckí pracovníci**		**Riešitelia projektov**	
	Bez úväzku	**S úväzkom**	**Bez úväzku**	**S úväzkom**	**Bez úväzku**	**S úväzkom**
Muži	47,1	38,4	48,2	42,8	45,5	37,5
Ženy	48,5	39,8	55,2	47,0	48,0	31,9
Spolu	47,4	38,7	48,6	43,0	45,7	37,1

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

Na podnet P SAV bola zadefinovaná misia FÚ SAV:
Poslaním Fyzikálneho ústavu SAV je dosiahnuť pochopenie fyzikálnych javov v makro- a mikrosvete pomocou experimentálneho a teoretického výskumu. Výskum realizujeme jednak na vlastných pracoviskách ako aj v spolupráci s poprednými európskymi a svetovými laboratóriami. Sústreďujeme sa najmä na materiálový výskum, jadrovú a subjadrovú fyziku, výskum kvantovej informácie a komplexných systémov. Popularizáciou získaných výsledkov chceme pritiahnuť a motivovať nadaných mladých ľudí, aby sa venovali výskumným aktivitám. V spolupráci s vysokými školami chceme pomocou kvalitného doktorandského štúdia prispieť k zlepšeniu intelektuálneho potenciálu Slovenska, k zvýšeniu jeho globálnej konkurencieschopnosti a schopnosti čeliť technologickým výzvam modernej spoločnosti.
Vynikajúce výsledky dosahujeme najmä v

- príprave kovových materiálov unikátnymi technológiami, ktoré vedú k výnimočným vlastnostiam a kombináciám úžitkových vlastností, vyplývajúcich z osobitého štruktúrneho usporiadania na atomárnej úrovni.

- modelovaní systémov a procesov pre nanotechnológie na základe prvých princípov a ich aplikácie na návrh nových 3D a 2D materiálov, nanotribológie, kvantového transportu a spintronických obvodov.

- teoretickom výskume kvantových vlastností a fundamentálnych konceptov s cieľom vývoja kvantových informačných a komunikačných technológií a nástrojov na simuláciu kvantových systémov.

Vedecká rada Fyzikálneho ústavu SAV pracuje v obsadení:
Interní členovia: Mgr. Andrej Gendiar, PhD.; Ing. Ján Ivančo, PhD.; Ing. Matej Jergel, DrSc.; RNDr. Marián Krajčí, DrSc.; RNDr. Igor Maťko, CSc. a Mgr. Martin Venhart, PhD.
Externí členovia: prof. RNDr. Tibor Hianik, DrSc. (FMFI UK); prof. Ing. Jozef Janovec, DrSc. (UVP STU) a prof. Ing. Vladimír Nečas, PhD. (FEI STU).
Predsedom VR je Mgr. Martin Veselský, PhD. a podpredseda doc. Mgr. Mário Ziman, PhD.

2. Vedecká činnosť

2.1. Domáce projekty

Tabuľka 2a Počet domácich projektov riešených v roku 2016

ŠTRUKTÚRA PROJEKTOV	Počet projektov		Čerpané financie za rok 2016 (v €)		
			A		B
	A	B	spolu	pre organizáciu	
1. Vedecké projekty, ktoré boli r. 2016 financované VEGA	19	4	129869	129869	17672
2. Projekty, ktoré boli r. 2016 financované APVV	12	5	345638	265766	74063
3. Projekty OP ŠF	0	0	-	-	-
4. Projekty centier excelentnosti SAV	0	0	-	-	-
5. Iné projekty (FM EHP, ŠPVV, Vedecko-technické projekty, ESF, na objednávku rezortov a pod.)	4	0	184336	184336	-

A - organizácia je nositeľom projektu
B - organizácia sa zmluvne podieľa na riešení projektu

Tabuľka 2b Zoznam domácich projektov podaných v roku 2016

Štruktúra projektov	Miesto podania	Organizácia je nositeľom projektu	Organizácia sa zmluvne podieľa na riešení projektu
1. Účasť na nových výzvach APVV r. 2016	Bratislava	5	3
2. Projekty výziev OP ŠF podané r. 2016	Bratislava		
	Regióny		

2.2. Medzinárodné projekty

2.2.1. Medzinárodné projekty riešené v roku 2016

Tabuľka 2c Zoznam medzinárodných projektov riešených v roku 2016

ŠTRUKTÚRA PROJEKTOV	Počet projektov		Čerpané financie za rok 2016 (v €)		
			A		B
	A	B	spolu	pre organi-záciu	
1. Projekty 7. Rámcového programu EÚ a Horizont 2020	1	2	-	-	58234
2. Multilaterálne projekty v rámci vedeckých programov COST, ERANET, INTAS, EUREKA, ESPRIT, PHARE, NATO, UNESCO, CERN, IAEA, ESF (European Science Foundation), ERDF a iné	5	6	33750	27500	30750
3. Projekty v rámci medzivládnych dohôd o vedecko-technickej spolupráci	1	0	8000	8000	-
4. Bilaterálne projekty	4	2	20000	21200	20833
5. Podpora medzinárodnej spolupráce z národných zdrojov (MVTS, APVV,...)	4	6	7583	7583	18550
6. Iné projekty financované alebo spolufinancované zo zahraničných zdrojov	0	1	-	-	-

A - organizácia je nositeľom projektu
B - organizácia sa zmluvne podieľa na riešení projektu

2.2.2. Medzinárodné projekty v 7. RP EÚ a Horizont 2020 podané v roku 2016

Tabuľka 2d Počet projektov 7. RP EÚ a Horizont 2020 v roku 2016

	A	B
Počet podaných projektov v 7. RP EÚ	-	-
Počet podaných projektov Horizont 2020	-	3

A - organizácia je nositeľom projektu
B - organizácia sa zmluvne podieľa na riešení projektu

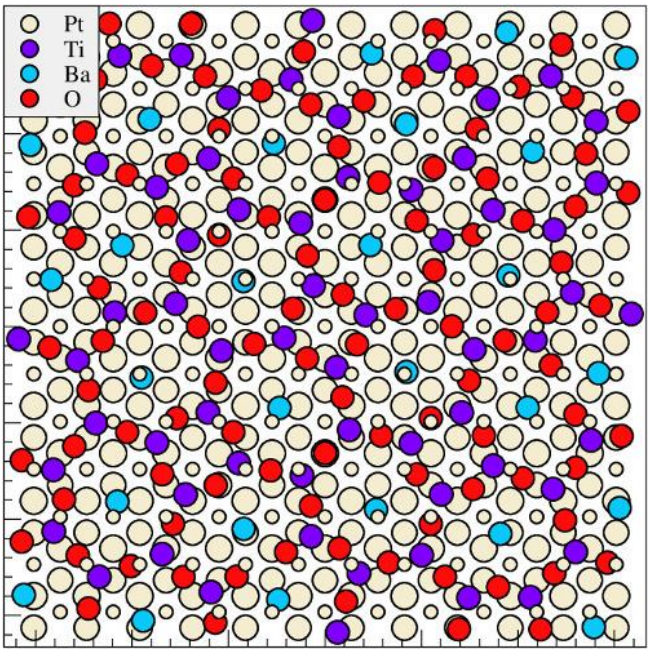
Údaje k domácim a medzinárodným projektom sú uvedené v Prílohe B.

2.2.3. Zámery na čerpanie štrukturálnych fondov EÚ v ďalších výzvach

2.3. Najvýznamnejšie výsledky vedeckej práce

2.3.1. Základný výskum

1. miesto: Simulácie štruktúry a termodynamických vlastností kvázikryštálov založených na realistických modeloch na atomárnej úrovni a výpočtoch ich energetickej stability
Riešitelia: M. Mihalkovič a kol.
Projekty: VEGA 2/0189/14, APVV-0076-11



Obrázok 1 Atómová štruktúra modelu kvázikryštálu Ba-Ti-O na povrchu (1,1,1) platinového substrátu. Hrúbka vrstvy Ba-Ti-O je cca 2 atómové roviny (2.5 Angströmu)

Spolu s E. Cockaynom (NIST Gaithersburg, USA) a C. L. Henleyom (Cornell University, USA) sme ako prví navrhli model nového typu 2D kvázikryštálu s 12-násobnou rotačnou osou symetrie, objaveného v r. 2013 S. Forsterom so spoluatormi v systéme Ba-Ti-O na platinovom substráte. V rámci aproximácie funkcionálu hustoty sme z prvých princípov odvodili model atómovej štruktúry vykazujúci mechanickú stabilitu. Simulovaný STM obraz štruktúry korešponduje s experimentálnym výsledkom.

2. miesto: Integrálna formula pre efektívny difúzny koeficient v periodických kanáloch
Riešitelia: P. Kalinay a kol.
Projekt: VEGA 2/0015/15

Efektívny jednorozmerný (1D) popis transportu častíc cez kvázi-1D štruktúry, ako sú póry, alebo kanáliky v nano- a biosystémoch, je dôležitým nástrojom pre štúdium brownovských motorov, púmp, či separátorov častíc. Kľúčovou rovnicou je tu 1D Fick-Jacobsova rovnica v pozdĺžnej koordináte x, ktorá okrem reálneho a tzv. entropického potenciálu zahŕňa aj priestorovo závislý efektívny difúzny koeficient D(x).

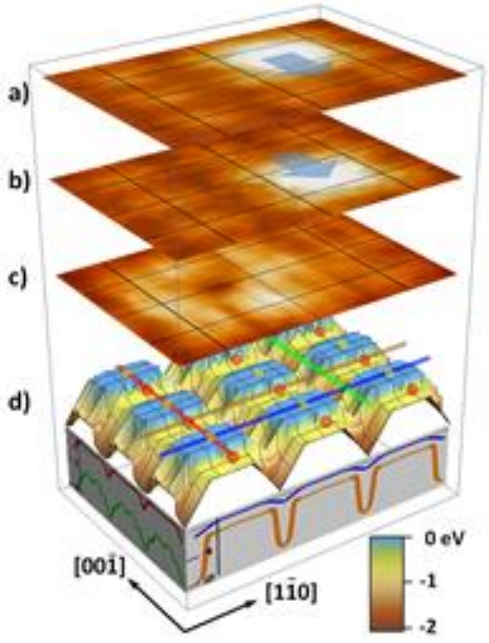
V poslednej dekáde bolo venované veľké úsilie metódam jeho výpočtu. Doposiaľ navrhované metódy boli založené na škálovaní dĺžok v priečnom smere, čo vedie k Reguera-Rubího (RR) formulám obsahujúcim derivácie funkcie h(x) tvarujúcej kanálik. Nami navrhnutá metóda využíva Fourierovu analýzu a výsledkom je formula integrujúca príspevky do D(x) od okolitých bodov x'. Naša metóda tým umožňuje počítať D(x) aj v širokých kanáloch a takých, ktorých h(x) nie je hladká funkcia; je to metóda komplementárna k RR formulám.

2.3.2. Aplikačný typ

2.3.3. Medzinárodné vedecké projekty

1. miesto: Manipulácia magnetických atómov na povrchoch pomocou atómového silového mikroskopu
Riešitelia: I. Štich a kol.

Študovali sme manipuláciu atómov Co pri nízkych teplotách v UHV prostredí na oxidovaných povrchoch medi AFM mikroskopom [1]. Ukázali sme, že manipulovaný atóm je možné udržať makroskopický čas delokalizovaný v magneticky modifikovanom stave nad niekoľkými jednotkovými celami substrátu, obrázok 1 c). Manipulácia bola prevedená súčasným pôsobením krátkodosahových chemických síl generovaných hrotom a dlhodosahovými silami generovanými Friedlovými osciláciami nábojovej hustoty kovového substrátu vznikajúce z tienenia Co nanoštruktúr predpripravenými laterálnymi manipuláciami, obrázok 1 a) a b). Modelovanie ukázalo, že pozorovaný jav je dôsledkom mechanickej [Ar]d^8 -> [Ar]d^7 modifikácie spinového atómu Co. Táto modifikácia spôsobuje zmenu chemickej reaktivity Co so substrátom, a tak aj možnosť jeho lokalizácie slabými Friedlovými silami, obrázok 1 c). Kombináciou experimentu a simulácií sme ukázali, že v experimente naozaj dochádza k mechanickej modifikácii spinového stavu manipulovaného atómu Co a že v detailoch je spôsob delokalizácie ovplyvniteľný laterálnou manipuláciou susedných Co adatómov. Simulácie tiež ukazujú, že je možné aj uväznenie Co atómu v mechanicky modifikovanom spinovom stave vo Friedlovej „klietke“, možnosť dôležitá v spintronických aplikáciách.

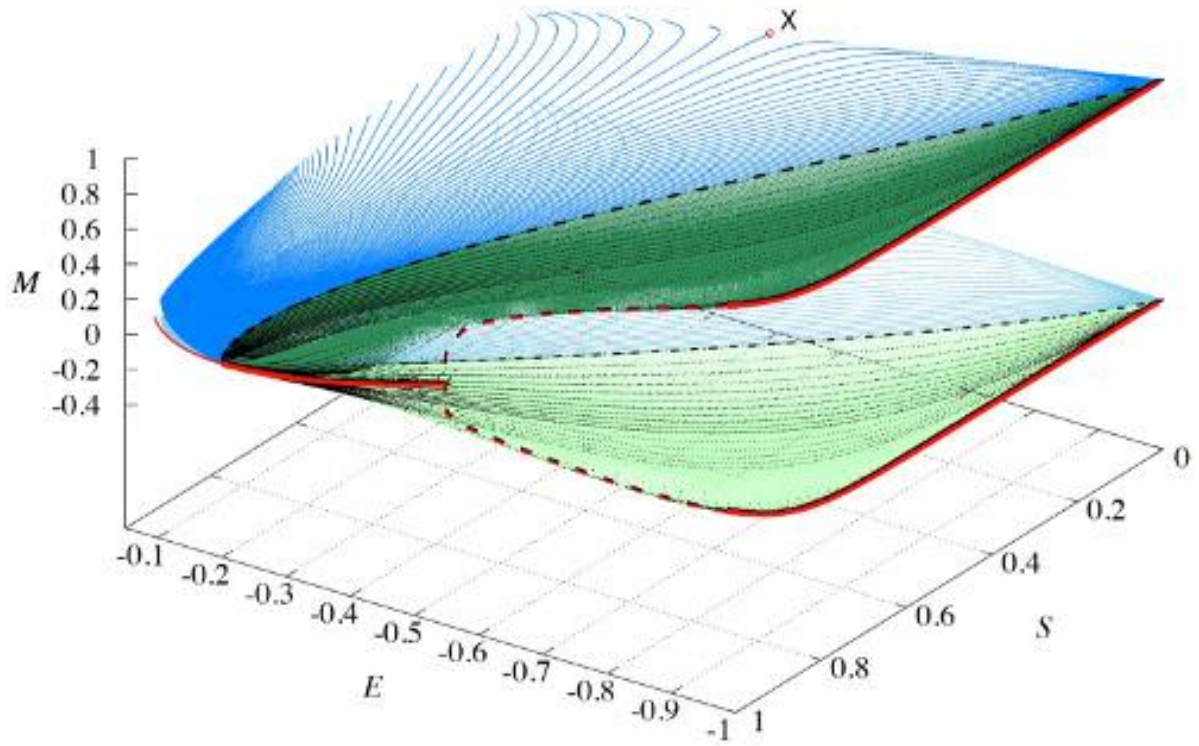


[1] Y. Kinoshita, R. Turanský, J. Brndiar, Y. Naitoh, Y. J. Li, L. Kantorovich, Y. Sugawara, and I. Štich, *Promoting atoms into delocalized long-living magnetically modified state using Atomic, Force Microscopy*, Nano Letters **16**, 7490 (2016).

2. miesto: Štúdium fázových prechodov
Riešitelia: A. Gendiar a kol.

Fázové prechody tvoria veľmi dôležitú súčasť štatistickej mechaniky, ako bolo potvrdené ostatnou Nobelovou cenou. Fázový prechodové javy sú dlhodobým cieľom našej skupiny. Spolupracovali sme s rôznymi vedeckými skupinami pri štúdiu entanglovanej entropie, klasických a kvantových fázových prechodoch na neeuklidovských geometriách. Entanglovaná entropia je unikátna fyzikálna veličina schopná detekovať kritické javy, ako sme ukázali v ref. [1,2]. V prípade špecifických systémov, ako sú napríklad fraktálne mriežky, fázové prechody môžu alebo nemusia existovať. V ref. [3], sme diskutovali tento problém podrobne a navrhli spôsob, ako rozlišovať medzi modelmi s alebo bez fázových prechodov. Pre geometrie na hyperbolických mriežkach, sme skúmali efekty hranice a ukázali sme, ako silno ovplyvňujú diskontinuálne prechody fázového prechodu prvého druhu [4]. Nakoniec sme študovali kvantový XY a Heisenberg modelov na rôznych hyperbolických mriežkach, vrátane Betheho mriežok, kde sme vyvinuli unikátny algoritmus založený na tenzorových sieťach [5].

[1] Krčmár, Gendiar, Nishino, *Phase diagram of truncated tetrahedral model*, Phys. Rev. E **94** (2016) 022134
[2] Krčmár, Šamaj, *Critical properties of the eight-vertex model in field*, EPL **115** (2016) 56001
[3] Genzor, Gendiar, Nishino, *Phase transition of the Ising model on fractal lattice*, Phys. Rev. E **93** (2016) 012141
[4] Lee, Verstraete, Gendiar, *Boundary-field-driven control of discontinuous phase transitions on hyperbolic lattices*, Phys. Rev. E **94** (2016) 022133
[5] Daniška, Gendiar, *Analysis of quantum spin models on hyperbolic lattices and Bethe lattice*, J. Phys. A **49** (2016) 145003



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

Tabuľka 2e Štatistika vybraných kategórií publikácií

PUBLIKAČNÁ A EDIČNÁ ČINNOSŤ	A Počet v r. 2016/ doplnky z r. 2015	B Počet v r. 2016/ doplnky z r. 2015	C Počet v r. 2016/ doplnky z r. 2015
1. Vedecké monografie a monografické štúdie vydané v domácich vydavateľstvách (AAB, ABB)	**1 / 0**	**0 / 0**	**0 / 0**
2. Vedecké monografie a monografické štúdie vydané v zahraničných vydavateľstvách (AAA, ABA)	**0 / 0**	**0 / 0**	**0 / 0**
3. Odborné monografie, vysokoškolské učebnice a učebné texty vydané v domácich vydavateľstvách (BAB, ACB, CAB)	**0 / 0**	**0 / 0**	**0 / 0**
4. Odborné monografie a vysokoškolské učebnice a učebné texty vydané v zahraničných vydavateľstvách (BAA, ACA, CAA)	**0 / 0**	**0 / 0**	**0 / 0**
5. Kapitoly vo vedeckých monografiách vydaných v domácich vydavateľstvách (ABD)	**0 / 0**	**0 / 0**	**0 / 0**
6. Kapitoly vo vedeckých monografiách vydaných v zahraničných vydavateľstvách (ABC)	**1 / 0**	**0 / 0**	**0 / 0**
7. Kapitoly v odborných monografiách, vysokoškolských učebniciach a učebných textoch vydaných v domácich vydavateľstvách (BBB, ACD)	**0 / 0**	**0 / 0**	**0 / 0**
8. Kapitoly v odborných monografiách, vysokoškolských učebniciach a učebných textoch vydaných v zahraničných vydavateľstvách (BBA, ACC)	**0 / 0**	**0 / 0**	**0 / 0**
9. Vedecké práce registrované v Current Contents Connect (ADCA, ADCB, ADDA, ADDB)	**85 / 1**	**0 / 0**	**0 / 0**
10. Vedecké práce registrované vo Web of Science Core Collection alebo Scopus (ADMA, ADMB, ADNA, ADNB)	**15 / 0**	**0 / 0**	**0 / 0**
11. Vedecké práce v ostatných domácich časopisoch (ADFA, ADFB)	**0 / 1**	**0 / 0**	**0 / 0**
12. Vedecké práce v ostatných zahraničných časopisoch (ADEA, ADEB)	**4 / 0**	**0 / 0**	**0 / 0**
13. Vedecké práce v domácich recenzovaných zborníkoch (AEDA)	**2 / 0**	**0 / 0**	**0 / 0**
14. Vedecké práce v zahraničných recenzovaných zborníkoch (AECA)	**0 / 0**	**0 / 0**	**0 / 0**
15. Publikované príspevky na domácich vedeckých konferenciách (AFB, AFD)	**8 / 1**	**0 / 0**	**0 / 0**
16. Publikované príspevky na zahraničných vedeckých konferenciách (AFA, AFC)	**12 / 0**	**0 / 0**	**0 / 0**
17. Vydané periodiká evidované v CCC, WoS	**0**	**0**	**0**

Core Collection, SCOPUS			
18. Ostatné vydané periodiká	**0**	**0**	**0**
19. Vydané alebo editované zborníky z vedeckých podujatí (FAI)	**2 / 0**	**0 / 0**	**0 / 0**
20. Preklady vedeckých a odborných textov (EAJ)	**0 / 0**	**0 / 0**	**0 / 0**
21. Heslá v odborných terminologických slovníkoch a encyklopédiách (BDA, BDB)	**0 / 0**	**0 / 0**	**0 / 0**

A - pracovisko SAV je uvedené ako pracovisko (adresa) autora, alebo je súčasťou kolaborácie alebo iného združenia, ktoré je uvedené ako pracovisko (adresa) autora
B - pracovisko SAV nie je na publikácii uvedené, pretože prameň údaj o pracovisku autora neobsahuje, práca ale vznikla na pracovisku SAV
C - pracovisko SAV je uvedené ako materské pracovisko autora odlišné od pracoviska, na ktorom práca vznikla (napr. „on leave...“, „permanent address...“, „present address...“)

Tabuľka 2f Štatistika vedeckých prác podľa kvartilu vedeckého časopisu

Kvartil vedeckého časopisu podľa IF z r. 2015 (zdroj JCR)	**Q1**	**Q2**	**Q3**	**Q4**	**spolu**
Počet článkov / doplnky	45/1	32/0	6/0	4/0	87/1
Kvartil vedeckého časopisu podľa SJR z r. 2015 (zdroj Scimago)					
Počet článkov	69	11	11	1	92

Tabuľka 2g Ohlasy

OHLASY	A Počet v r. 2015/ doplnky z r. 2014	B Počet v r. 2015/ doplnky z r. 2014
Citácie vo WOS (1.1, 2.1)	2210 / 0	0 / 0
Citácie v SCOPUS (1.2, 2.2)	22 / 0	0 / 0
Citácie v iných citačných indexoch a databázach (9, 10, 3.2, 4.2)	2 / 2	0 / 0
Citácie v publikáciách neregistrovaných v citačných indexoch (3, 4, 3.1, 4.1)	41 / 0	0 / 0
Recenzie na práce autorov z organizácie (5, 6, 7, 8)	0 / 0	0 / 0

A - pracovisko SAV je uvedené ako pracovisko (adresa) autora, alebo je súčasťou kolaborácie alebo iného združenia, ktoré je uvedené ako pracovisko (adresa) autora, alebo pracovisko SAV nie je na publikácii uvedené, pretože prameň údaj o pracovisku autora neobsahuje, práca ale vznikla na pracovisku SAV
B - pracovisko SAV je uvedené ako materské pracovisko autora odlišné od pracoviska, na ktorom práca vznikla (napr. „on leave...“, „permanent address...“, „present address...“)

2.5. Aktívna účasť na vedeckých podujatiach

Tabuľka 2h Vedecké podujatia

Prednášky a vývesky na medzinárodných vedeckých podujatiach	52
Prednášky a vývesky na domácich vedeckých podujatiach	2

2.6. Vyžiadané prednášky

2.6.1. Vyžiadané prednášky na medzinárodných vedeckých podujatiach

Ing. Vlastimil Boháč, CSc.

- 1. – 3. 9. 2016, 3rd International Conference on Thermophysical and Mechanical Properties of Advanced Materials, THERMAM 2016, Izmir, Turecko, „The Use of Transient Methods for the Investigation of the Thermal Properties of Materials Correlated with the Changes of the Structure Caused by Effects of Different Origin“

Ing. Matej Jergel, DrSc.

- 4. 3. – 6. 3. 2016, BIT's 2nd Annual World Congress and EXPO of Smart Materials-2016, Singapur, „Real-Time Monitoring of Nanostructures and Processes at Nanoscale by Grazing-incidence Small-angle X-ray Scattering“
- 30. 6. – 3. 7. 2016, BIT's 6th Annual New Energy Forum, Goyang City, Korea, „Real-time X-ray Studies of the Bulk Heterojunction Formation for Active Layers of Polymer Solar Cells“
- 26. – 28. 10. 2016, BIT's 6th Annual World Congress of Nano Science & Technology, Singapur, „Copper Growth on Graphene Studied In-situ by Time-resolved Small-angle X-ray Scattering“

RNDr. Pavol Kalinay, CSc.

- 6. – 10. 6. 2016, SITGES XXV Conference, Barcelona, Španielsko, „Nonequilibrium Phenomena in Confined Systems“

prof. Ing. Štefan Luby, DrSc.

- 20. – 22. 4. 2016, Posolstvo Jána Pavla II. – Súčasné trendy a výzvy v ekonomike, vede, vzdelávaní, Poprad, SR, „The air which we are breathing“
- 25. 5. 2016, 14th Internat. Symposium MEMS, Bratislava, SR, „How to avoid patological

phenomena in science“
- 19. – 23. 6. 2016, Advances in Electronic and Photonic Technologies, Tatranská Lomnica, SR, „A brief history and foresight in nanoscience and nanotechnology“

RNDr. Ľubomír Martinovič, CSc.
- 19. – 25. 6. 2016, Group31, 31st International Colloquium on Group Theoretical Methods In Physics, Rio de Janeiro, Brazília, „Two-dimensional massless light-front fields and conformal field theory“
- 5. – 8. 9. 2016, Light Cone 2016, IST Universidade da Lisboa, Portugalsko, „Quantum field theory in two dimensions: light-front versus space-like solutions“

RNDr. Emil Pinčík, CSc.
- 15. – 18. 3. 2016, Fórum OPTONIKA – EOS LIGHTtalks, 24. veľtrh AMPER, Brno, Česká Republika, „Black silicon and porous silicon photoluminiscence“
- 5. – 9. 6. 2016, 2016 EMN Summer Meeting and Photodetector Meeting, Westin Resort and Spa, Cancun, Mexico, „Physical Properties and Light-Related Applications of Black Silicon Structures“
- 11. – 13. 11. 2016, Second International Conference on Advanced Materials for Power Engineering (ICAMPE – 2016), Kottayam, Kerala, India, „Optical Properties of Black Silicon and Porous Silicon – Application in Solar Cell Structures“

doc. RNDr. Martin Plesch, PhD.
- 26. 1. 2016, AMPSROC 2016, Kaohsiung, Taiwan, „Device independent random number generation“
- 27. 1. 2016, AMPSROC 2016, Kaohsiung, Taiwan, „International Young Physicists' Tournament“

Mgr. Michal Sedlák, PhD.
- 18. – 22.1.2016 Toulouse, France, Linear Matrix Inequalities, Semidefinite Programming and Quantum Information Theory 2016, „Incompatibility of quantum testers“

Ing. Peter Švec, DrSc.
- 19. – 21. 5. 2016, SCIT 2016 – Systems, Control and Information Technology, Przemysłowy Instytut Automatyki i Pomiarów PIAP, Warsaw, Poľsko, „Selected trends in new rapidly quenched soft magnetic materials“
- 4. – 9. 9. 2016, LAM-16 – 16th International Conference on Liquid and Amorphous Metals, Bonn-Bad Godesberg, „Structure-property relationship in rapidly quenched alloys correlated with melt precursor processing“

2.6.2. Vyžiadané prednášky na domácich vedeckých podujatiach

prof. Ing. Štefan Luby, DrSc.
- 8. – 12. 11. 2016, 19. Škola vákuovej techniky Vacuum and new materials, Štrbské pleso, SR, „Iron oxide nanoparticles, preparation, characterization, applications“

Ing. Peter Švec, DrSc.
- 13. – 16. 6. 2016, CSMAG'16, Košice, Slovensko, 2 prednášky „Development of selected amorphous and nanocrytalline soft magnetic systems with enhanced funtctional properties“ a „Stress Monitoring & Annihilation In Steels Based On Magnetic Techniques“

2.6.3. Vyžiadané prednášky na významných vedeckých inštitúciách

Mgr. Ján Brndiar, PhD.

- Máj 2016, Department of Applied Physics, Osaka University, Osaka, Japan, dve prednášky „The role of an ab-initio DFT simulation in the SPM techniques“, „The conjunction between nc-AFM experiment and DFT ab-initio simulation“

Mgr. Andrej Gendiar, PhD.

- 14. 2. – 28. 2. 2016, RIKEN, Tokio, Japonsko, „Analysis of quantum spin models on non-Euclidean lattice geometries (Tensor Product Variational Formulation)“

RNDr. Ľubomír Martinovič, CSc.

- 16. 6. 2016, Department of Physics, Instituto Tecnologico de Aeronautica (ITA), Sao Jose dos Campos, Brazília, „Massless light-front fields in two dimensions and solvable models“

RNDr. Marek Mihalkovič, CSc.

- Jún 2016, Tohoku University, Sendai, Japonsko, „Formation of Al-Cu-Fe quasicrystal in realistic atomistic simulation“

Mgr. Daniel Nagaj, PhD.

- 23. 6. 2016, Hebrew university, Jeruzalem, Izrael, „Very entangled spin chains“

RNDr. Daniel Reitzner, PhD.

- 2. 12. 2106, Prírodovedecká fakulta UPJŠ, Košice, „Where does Quantum World Begin?“

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

2.7. Patentová a licenčná činnosť na Slovensku a v zahraničí v roku 2016

2.7.1. Vynálezy, na ktoré bol udelený patent

2.7.2. Prihlásené vynálezy

2.7.3. Predané licencie

2.7.4. Realizované patenty

Finančný prínos pre organizáciu SAV v roku 2016 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
Bartoš Erik	VEGA	2
Butvin Pavol	APVV	1
Dubnička Stanislav	APVV	1
Gmuca Štefan	APVV	2

Hlaváč Stanislav	APVV	1
Ivančo Ján	VEGA	1
Jergel Matej	VA MŠ, OPVaV-2015/3.1/01-SORO	2
	VEGA	2

2.9. Účasť na spracovaní hesiel do encyklopédie Beliana

Počet autorov hesiel: 1

2.10. Iné informácie k vedeckej činnosti.

Recenzie článkov v CC časopisoch: **77**
Recenzie v iných časopisoch: **18**
Editori zborníkov: **2**
Iné posudky: **50**

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 2016

Forma	Počet k 31.12.2016				Počet ukončených doktorantúr v r. 2016					
	Doktorandi				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
Interná zo zdrojov SAV	13	2	4	1	5	0	0	0	0	0
Interná z iných zdrojov	0	0	0	0	0	0	0	0	0	0
Externá	2	0	0	0	0	0	0	0	0	0
Spolu	15	2	4	1	5	0	0	0	0	0
Súhrn	17		5		5		0		0	

3.2. Zmena formy doktorandského štúdia

Tabuľka 3b Počty preradení z interných foriem na externé a z externej formy na interné

Pôvodná forma	Interná z prostriedkov SAV	Interná z prostriedkov SAV	Interná z iných zdrojov	Interná z iných zdrojov	Externá	Externá
Nová forma	**Interná z iných zdrojov**	**Externá**	**Interná z prostriedkov SAV**	**Externá**	**Interná z prostriedkov SAV**	**Interná 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 2016 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 hodnosť
Mgr. Jozef Genzor	interné štúdium hradené z prostriedkov SAV	9 / 2012	8 / 2016	4.1.2 všeobecná fyzika a matematická fyzika	Mgr. Andrej Gendiar, PhD; Prof. RNDr. Vladimír Bužek DrSc., Fyzikálny ústav SAV	Fakulta matematiky, fyziky a informatiky UK

Mgr. Martin Hodas	interné štúdium hradené z prostriedkov SAV	9 / 2012	7 / 2016	4.1.4 kvantová elektronika a optika	Dr. Rer. Nat. Peter Šiffalovič PhD., Fyzikálny ústav SAV	Fakulta matematiky, fyziky a informatiky UK
Ing. Ján Hudec	interné štúdium hradené z prostriedkov SAV	9 / 2013	8 / 2016	5.2.48 fyzikálne inžinierstvo	Ing. Ľudovít Kubičár DrSc., Fyzikálny ústav SAV	Fakulta elektrotechniky a informatiky STU
Ing. Michal Kaiser	interné štúdium hradené z prostriedkov SAV	9 / 2013	8 / 2016	5.2.48 fyzikálne inžinierstvo	Ing. Vojtech Nádaždy CSc., Fyzikálny ústav SAV	Fakulta elektrotechniky a informatiky STU
Mgr. Andrej Vojtko	interné štúdium hradené z prostriedkov SAV	9 / 2012	8 / 2016	4.1.3 fyzika kondenzovaných látok a akustika	RNDr. Eva Majková DrSc., Fyzikálny ústav SAV	Fakulta matematiky, fyziky a informatiky UK

Zoznam interných a externých doktorandov je uvedený v prílohe A.

3.4. Zoznam akreditovaných študijných odborov s uvedením VŠ

Tabuľka 3d Zoznam akreditovaných študijných odborov 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)
všeobecná fyzika a matematická fyzika	4.1.2	Fakulta matematiky, fyziky a informatiky UK
fyzika kondenzovaných látok a akustika	4.1.3	Fakulta matematiky, fyziky a informatiky UK
kvantová elektronika a optika	4.1.4	Fakulta matematiky, fyziky a informatiky UK
jadrová a subjadrová fyzika	4.1.5	Fakulta matematiky, fyziky a informatiky UK
fyzikálne inžinierstvo	5.2.48	Fakulta elektrotechniky a informatiky STU

Tabuľka 3e Účasť na pedagogickom procese

Menný prehľad pracovníkov, ktorí boli menovaní do spoločných 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-přírodovědecká fakulta Slezské univerzity, Česká republika)	
Doc. RNDr. Emil Běták, DrSc. (jadrová a subjadrová fyzika)	Prof. RNDr. Vladimír Bužek, DrSc. (Fakulta matematiky, fyziky a informatiky UK)	
Doc. RNDr. Emil Běták, DrSc. (odbor v zahraničí)	Prof.,Ing. Štefan Luby, DrSc. (Alma Mater Europaea Ascoli Piceno, Taliansko)	
Prof. RNDr. Vladimír Bužek, DrSc. (všeobecná fyzika a matematická fyzika)	Prof.,Ing. Štefan Luby, DrSc. (Trnavská univerzita v Trnave)	
RNDr. Stanislav Dubnička, DrSc. (všeobecná fyzika a matematická fyzika)	RNDr. Eva Majková, DrSc. (Univerzita Komenského v Bratislave)	
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. Štefan Lányi, DrSc. (elektronika)		
RNDr. Eva Majková, DrSc. (kvantová elektronika a optika)		
RNDr. Eva Majková, DrSc. (fyzikálne inžinierstvo)		
RNDr. Štefan Olejník, DrSc. (všeobecná fyzika a matematická fyzika)		
RNDr. Štefan Olejník, DrSc. (jadrová a subjadrová fyzika)		
Prof., RNDr. Milan Ožvold, CSc. (elektronika)		
Doc. RNDr. Martin Plesch, PhD. (teória vyučovania fyziky)		
RNDr. Ladislav Šamaj, DrSc. (všeobecná fyzika a matematická fyzika)		
Dr. Rer. Nat. Peter Šiffalovič, PhD. (kvantová elektronika a optika)		
RNDr. Anton Šurda, CSc. (všeobecná fyzika a matematická fyzika)		
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)		

3.5. Údaje o pedagogickej činnosti

Tabuľka 3f Prednášky a cvičenia vedené v roku 2016

PEDAGOGICKÁ ČINNOSŤ	Prednášky		Cvičenia a semináre	
	doma	v zahraničí	doma	v zahraničí
Počet prednášateľov alebo vedúcich cvičení	5	2	0	1
Celkový počet hodín v r. 2016	119	39	0	13

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

Tabuľka 3g Aktivity pracovníkov na VŠ

1.	**Počet pracovníkov, ktorí pôsobili ako vedúci alebo konzultanti diplomových a bakalárskych prác**	5
2.	**Počet vedených alebo konzultovaných diplomových a bakalárskych prác**	5
3.	**Počet pracovníkov, ktorí pôsobili ako školitelia doktorandov (PhD.)**	7
4.	**Počet školených doktorandov (aj pre iné inštitúcie)**	12
5.	**Počet oponovaných dizertačných a habilitačných prác**	17
6.	**Počet pracovníkov, ktorí oponovali dizertačné a habilitačné práce**	10
7.	**Počet pracovníkov, ktorí pôsobili ako členovia komisií pre obhajoby DrSc. prác**	3
8.	**Počet pracovníkov, ktorí pôsobili ako členovia komisií pre obhajoby PhD. prác**	10
9.	**Počet pracovníkov, ktorí pôsobili ako členovia komisií, resp. oponenti v inauguračnom alebo habilitačnom konaní na vysokých školách**	2

3.6. Iné dôležité informácie k pedagogickej činnosti

4. Medzinárodná vedecká spolupráca

4.1. Medzinárodné vedecké podujatia

4.1.1. Medzinárodné vedecké podujatia, ktoré organizácia SAV organizovala v roku 2016 alebo sa na ich organizácii podieľala, s vyhodnotením vedeckého a spoločenského prínosu podujatia

New trends in solar cells, Bratislava, 60 účastníkov, 19.04.-22.04.2016
Konferencia bola zameraná na najnovšie poznatky, aktuálne výzvy a perspektívy technológií solárnych článkov, vrátane príslušných charakterizujúcich techník. Hlavnými témami podujatia boli organické solárne články, dye-citlivé a Perovskia solárne články ako aj organické-anorganické hybridné solárne články. V rámci programu odzneli pozvané prednášky, príspevky účastníkov a prebehla výstava vývesiek.

CEQIP 2016 – Central European Quantum Information Processing, Valtice, Česká Republika, 70 účastníkov, 16.06.-19.06.2016
CEQIP'16 (Central European Quantum Information Procesing workshop) bola v poradí 13. konferencia CEQIP. Konferencie sú zamerané na súčasné teoretické výzvy a paradigmy spracovania kvantovej informácie, avšak sú tiež otvorené pre každú výskumnú tému z oblasti kvantovej informácie.
Konferencie sú organizované: Quantum Laboratory, Faculty of Informatics, Masaryk University (Brno) a Research Center for Quantum Information, Institute of Physics, Slovak Academy of Sciences (Bratislava).

APCOM 2016 – Applied Physics of Condensed Matter, Hotel Patria, Štrbské Pleso, Slovensko, 92 účastníkov, 22.06.-24.06.2016
APCOM 2016 bola v poradí 22. medzinárodná konferencia v sérii stretnutí, ktoré začali v roku 1995 pracovným stretnutím pod názvom Solid State Physics and Radioactive Irradiation. Konferencia ponúka jedinečnú príležitosť pre odborníkov v oblasti aplikovaného fyzikálneho výskumu kondenzovaných látok, aby sa spojili a zdielali svoje vízie budúceho vývoja napr. v oblasti použitia zariadení pre elektrickú a jadrovú energetiku, elektronickú a optickú komunikačnú techniku.

Physics in Fuzzy Spaces, Stará Lesná, Slovensko, 25 účastníkov, 26.09.-01.10.2016
Podujatie s medzinárodnou účasťou so zameraním na kvantovú teóriu (poľa) v netriviálnych/zakrivených priestoroch, bolo na vysokej odbornej úrovni, a umožnilo transfer poznatkov aj plodné diskusie v aktívne rozvíjajúcich sa oblastiach matematickej a teoretickej fyziky.

C-MAC Days 2016, Bratislava, Slovensko, 50 účastníkov, 21.11.-24.11.2016
Hlavným účelom C-MAC Days je poskytovať komplexné informácie o posledných výsledkoch dosiahnutých v rámci aktuálneho ročníka siete C-MAC a diskutovať o nových smeroch budúceho výskumu.

Na podujatí odzneli pozvané prednášky a príspevky na výskumné témy súvisiace s komplexnými kovovými zliatinami a zlúčeninami v rozmedzí od základných až po aplikačne orientovaný výskum.

Solid State Surfaces and Interfaces (9th SSSI 2016), Hotel Signal, Piešťany, Slovakia, 21.11.-24.11.2016
Hlavným cieľom konferencie je prispieť k novým poznatkom pri skúmaní povrchov, rozhraní, ultratenkých a veľmi tenkých vrstiev anorganických a organických materiálov najrýchlejším

interaktívnym spôsobom - pomocou priamej komunikácie medzi vedcami zodpovedajúcich oblastí výskumu. Zoznam tém, ktoré konferencia zahŕňa siaha od základného výskumu vykonávaného na sub-atómovej a kvantovej úrovni k výrobe zariadení postavených na nových fyzikálnych princípoch. Aktuálne výsledky sú aplikované na vývoj nových priemyselných zariadení potrebných na výskum elektrických, optických a konštrukčných vlastností a ďalších parametrov objektov na atomárnej veľkosti.
Témy konferencie zahŕňajú aj prezentácie nových zariadení v nasledujúcich oblastiach: solárne články, displeje z tekutých kryštálov, vysokoteplotná supravodivosť a senzory. Počas akcie je osobitná pozornosť venovaná vyhodnoteniu vedeckej a technickej úrovne prác mladých vedcov, ekologickej výrobe el. energie slnečnými článkami a výstavám spoločností.

MATHERMO 2016 – FOCUS MEETING Mathematical foundations of quantum thermodynamics, Smolenice, Slovensko, 35 účastníkov, 06.12.-09.12.2016
MATHERMO 2016 bol workshop organizovaný v rámci COST akcie MP1209 Thermodynamics in the quantum regime. Tento workshop bol zameraný kritickú diskusiu matematických základov kvantovej termodynamiky, identifikovanie relevantných otvorených problémov a formulovanie nastávajúcich výziev v tejto oblasti. Bol organizovaný oddelením CVKI v spolupráci so skupinou Quantum Information and Thermodynamics (Huber group,
http://www.iqoqi-vienna.at/en/research/huber-group/) z rakúskej Akadémie vied.

4.1.2. Medzinárodné vedecké podujatia, ktoré usporiada organizácia SAV v roku 2017 (anglický a slovenský názov podujatia, miesto a termín konania, meno, telefónne číslo a e-mail zodpovedného pracovníka)

ISTROS 2017 – Isospin, STructure, Reactions and energy Of Symmetry/ISTROS 2017 – Isospin, STructure, Reactions and energy Of Symmetry, Častá-Papiernička, Slovensko, 14.05.-19.05.2017, (Martin Veselský, [59410] 532, martin.veselsky@savba.sk)

APCOM 2017 – Applied Physics of Condensed Matter/APCOM 2017 – Applied Physics of Condensed Matter, Štrbské Pleso, Slovensko, 12.06.-14.06.2017, (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

Typ výboru	Programový	Organizačný	Programový i organizačný
Počet členstiev	7	3	9

4.2. Členstvo a funkcie v medzinárodných orgánoch

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

Institute of Physics: *E. Běták (člen+ člen Fellowship Panelu), V. Bužek*

European Physical Society: *P. Butvin, P. Filip (individuálny člen),*

American Physical Society: *V. Bužek, A. Gendiar, P. Staňo, I. Štich*

Optical Society of America: *V. Bužek*

Rakúska akadémia vied: *V. Bužek (zahraničný člen)*

Americká chemická spoločnosť: *A. Gendiar, J. Ivančo*

Materials Research Society: *Š. Lányi*

Polish Synchrotron Radiation Society: *J. Ivančo (člen korešpondent)*

Česko-Slovenská kryštalografická spoločnosť: *M. Jergel (člen, 1996-2002 člen Rady)*

European Academy of Sciences and Arts: *M. Jergel, Š. Luby (viceprezident, senátor), E. Majková (socius ordinarius)*

European Crystallographic Association: *M. Jergel (individuálny člen)*

Európska organizácia používateľov synchrotrónového žiarenia: *M. Jergel (národný delegát)*

Národný komitét IUPAP: *M. Jergel*

Česká společnost pro nové materiály a technologie: *Š. Lányi*

Dunajská akademická konferencia: *Š. Luby (prezident)*

ESUO Integrated Infrastructure Initiative (I3) "ELISA: *E. Majková (reprezentant SR)*

International Union of Vacuum Science, Technology and Applications, IUVSTA, Divízia tenkých vrstiev: *E. Majková (národný reprezentant)*

International Union of Vacuum Science, Technology and Applications, IUVSTA, Divízia pre nanovedu: *Š. Luby (člen)*

Československá mikroskopická společnost: *I. Maťko, P. Švec Jr.(člen výboru), P. Švec*

European Microscopy Society: *P. Švec Jr.*

International Committee of Analysis in Steel and Iron Industry – ICASI: *E. Pinčík (člen medzinárodného výboru)*

Medzinárodný výbor IJSO: *M. Plesch*

Medzinárodný výbor Turnaja mladých fyzikov: *M. Plesch (Prezident, Generálny tajomník)*

Medzinárodná federácia fyzikálnych súťaží: *M. Plesch (vice-prezident)*

Fulbright Commision: *D. Reitzner (Alumni)*

IEEE-UFFC: *V. Štofanik*

URSI: *V. Štofanik*

Dunajská akademická konferencia: *Š. Luby (prezident)*

4.3. Účasť 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	M-ERA.Net	1
	Marie Curie Programme - AIAS-COFUND fellowships	4
Švec Peter	H2020/FETOPEN	5

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

Prehľad údajov o medzinárodnej mobilite pracovníkov organizácie je uvedený v Prílohe E.
Prehľad a údaje o medzinárodných projektoch sú uvedené v kapitole 2 a Prílohe B.

5. Vedná politika

6. Spolupráca s univerzitami/vysokými školami, štátnymi a neziskovými inštitúciami okrem aktivít uvedených v kap. 2, 3, 4

6.1. Spolupráca s univerzitami/VŠ (fakultami)

Názov univerzity/vysokej školy a fakulty: Prírodovedecká fakulta UK
Druh spolupráce (spoločné pracovisko alebo iné): spoločný výskum
Začiatok spolupráce: 2011
Zameranie: Katedra inžinierskej geológie
Zhodnotenie: Monitorovanie teplotno-vlhkostného režimu v tufovom masíve múzea sakalných obydlí v Brhlovciach.

Názov univerzity/vysokej školy a fakulty: Fakulta prírodných vied UMB
Druh spolupráce (spoločné pracovisko alebo iné): APVV
Začiatok spolupráce: 2012
Zameranie: Výskum v oblasti jadrovej a subjadrovej fyziky
Zhodnotenie: Od 1. júla 2012 spoločne riešime výskumný projekt APVV-0050-11 (SIMEX) „Silno interagujúca hmota v extrémnych podmienkach (SIMEX)“. Cieľom projektu je priniesť relevantné príspevky k chápaniu silných interakcií elementárnych častíc s dôrazom na javy, ktoré súvisia so súčasnými a budúcimi experimentami pri vysokých excitačných energiách a vysokých hustotách jadrovej hmoty, a na vlastnosti hustej jadrovej hmoty relevantné pre zloženie a vnútornú štruktúru neutrónových hviezd. Riešiteľmi sú pracovníci z FÚ SAV, UMB v Banskej Bystrici a ÚEF SAV v Košiciach.

Názov univerzity/vysokej školy a fakulty: Fakulta chemickej a potravinárskej technológie STU
Druh spolupráce (spoločné pracovisko alebo iné): iné
Začiatok spolupráce: 2010
Zameranie: Experimenty na charakterizáciu vlastností keramickej peny
Zhodnotenie: Spolupráca je v oblasti merania termofyzikálnych parametrov keramickej peny za účelom optimalizácie technológie výroby.

Názov univerzity/vysokej školy a fakulty: Slovenská technická univerzita v Bratislave
Druh spolupráce (spoločné pracovisko alebo iné): iné
Začiatok spolupráce: 2010
Zameranie: Experimentálne a teoretické
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 (kontakt na FÚ: J. Hudec)

Názov univerzity/vysokej školy a fakulty: Slovenská technická univerzita v Bratislave
Druh spolupráce (spoločné pracovisko alebo iné): spolupráca pri testovaní fyzikálnych modelov (predtým APVV a VEGA)
Začiatok spolupráce: 2011
Zameranie: Ústav jadrového a fyzikálneho inžinierstva
Zhodnotenie: spolupráca pri odvodzovaní a testovaní modelov pre prechodové metódy na meranie termofyzikálnych vlastností látok

Názov univerzity/vysokej školy a fakulty: Technische Universität Wien, Wien, Rakúsko
Druh spolupráce (spoločné pracovisko alebo iné): Neformálna spolupráca
Začiatok spolupráce: 2014
Zameranie: Experimentálne a teoretické

Zhodnotenie: Bola nadviazaná spolupráca s Institute of Applied Synthetic Chemistry. V rámci spolupráce boli prevedené analýzy vzoriek pomocou pozitrónovej anihilačnej spektroskopie.

Názov univerzity/vysokej školy a fakulty: Dokuz Eylul University Izmir, Turkey
Druh spolupráce (spoločné pracovisko alebo iné): Neformálna spolupráca - Department of Mechanical Engineering (Izmir) - Laboratory of thermophysics at the Department of metals (IP SAS)
Začiatok spolupráce: 2016
Zameranie: Termofyzikálne vlastnosti uhlíkových nanorúrok vypĺňajúcich polymérnych kompozity
Zhodnotenie: Meranie termofyzikálnych vlastností polymérnych kompozitov s vláknami na báze uhlíkových nanotrubičkových častíc.

6.2. Významné aplikácie výsledkov výskumu v spoločenskej praxi alebo vyriešenie problému pre štátnu alebo neziskovú inštitúciu

Zadávateľ, odberateľ, zmluvný partner: Arcibiskupský úrad, Bratislava
Názov aplikácie/objekt výskumu: Monitorovanie teplotno- vlhkostného režimu veže katedrále sv. Martina v Bratislave
Začiatok spolupráce: 2011
Stručný opis aplikácie/výsledku: Inštalovali sme monitorovacie zariadenie do veže a pripravili dlhodobý monitoring po odsúhlasení s Pamiatkovým úradom. Monitoring bude podávať obraz o degradácii muriva v dôsledku environmentálnej záťaže.
Zhodnotenie (uviesť i finančný efekt z aplikácie v € pre organizáciu SAV): 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)

Zadávateľ, odberateľ, zmluvný partner: Katedra inžinierskej geológie, Univerzita Komenského, Bratislava
Názov aplikácie/objekt výskumu: Monitorovanie teplotno-vlhkostného režimu pilierov kostola sv. Jakuba v Levoči
Začiatok spolupráce: 2012
Stručný opis aplikácie/výsledku: kontaktná osoba FÚ: J. Hudec
Zhodnotenie (uviesť i finančný efekt z aplikácie v € pre organizáciu SAV):

Zadávateľ, odberateľ, zmluvný partner: Technický a skúšobný ústav stavebný, n.o. Bratislava
Názov aplikácie/objekt výskumu: Monitorovanie tuhnutia betónových zmesí
Začiatok spolupráce: 2010
Stručný opis aplikácie/výsledku: Zrealizovali sme prvé porovnávacie experimenty monitorovania tuhnutia betónových zmesí v akreditovanom laboratóriu. Cieľom je dobudovať metodiku monitorovania tak, aby mohla byť zaradená medzi štandardné testovacie metódy.
Zhodnotenie (uviesť i finančný efekt z aplikácie v € pre organizáciu SAV): Pripravujú sa spoločné projekty ktoré zabezpečia finančný efekt pre FÚ a zároveň umožnia nadviazať užšie kontakty so stavebnými organizáciami. (kontakt FÚ: J. Hudec)

6.3. Iná činnosť využiteľná pre potreby spoločenskej praxe

Monitorovanie teplotno-vlhkostného režimu tufového brala v Tekovskom múzeu skalných obydlí v Brhlovciach.

7. Spolupráca s aplikačnou a hospodárskou sférou okrem aktivít uvedených v kap. 2, 3, 4

7.1. Spoločné pracoviská s aplikačnou sférou

7.2. Kontraktový – zmluvný výskum (vrátane zahraničných kontraktov)

7.3. Iná činnosť využiteľná pre potreby hospodárskej praxe

Spolupráca s f. ETOP ALTERNATIVE ENERGY, s.r.o., v oblasti stanovenia termofyzikálnych vlastností materiálov podložia budov za účelom využitia na sezónne uskladnenie tepelnej energie. (kontakt V. Boháč)

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
Ing. Štefan Gmuca, CSc.	Národný tím technických expertov pre posudzovanie tovarov a technológií dvojakého použitia a vojenského materiálu	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
Prof.,Ing. Štefan Luby, DrSc.	Tri expertné skupiny EK pre bezpečnosť hraníc, boj proti terorizmu a boj s počítačovou kriminalitou	člen za SR
	Programový výbor Horizont 2020 téma Bezpečné spoločnosti	člen za SR
RNDr. Eva Majková, DrSc.	Monitorovací výbor Operačného programu Výskum a inovácie	člen
	Predsedníctvo APVV	podpredsedníčka
	Komisia pre návrh štátnych vyznamenaní	člen
RNDr. Štefan Olejník, DrSc.	Komisia pre obhajoby doktorských dizertačných prác vo vednom odbore 010308 - jadrová a subjadrová fyzika	predseda
Ing. Peter Švec, DrSc.	High Level Group of EU Member States and H2020 Associated Countries on Nanosciences, Nanotechnologies and Advanced Materials	člen
Mgr. Martin Venhart, PhD.	Výbor pre spoluprácu SR s CERN	člen

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
Ing. Matej Jergel, DrSc.	Rada APVV pre prírodné vedy	člen

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

9. Vedecko-organizačné a popularizačné aktivity

9.1.Vedecko-popularizačná činnosť

9.1.1. Najvýznamnejšia vedecko-popularizačná činnosť pracovníkov organizácie SAV

Tabuľka 9a Vedecko-popularizačná činnosť pracovníkov organizácie SAV

Meno	Spoluautori	Typ[1]	Názov	Miesto zverejnenia	Dátum alebo počet za rok
Doc. RNDr. Emil Běták, DrSc.		PB	Perličky ze světa na dně vzpomínek	Český spolek Bratislava	8.11.2016
Doc. RNDr. Emil Běták, DrSc.	F.Cvelbar	PB	Disciveries and other information inphysics and astronomy of the last decade, which have a potential to influence our view of the Universe	Žilina	8.9.2016
Mgr. Ján Brndiar, PhD.		PB	DOD 2016	http://www.fu.sav.sk/?dod	9.11.2016
Ing. Matej Jergel, DrSc.		PB	DOD 2016, prezentácia výskumných aktivítv OMN	http://www.fu.sav.sk/?dod	9.11.2016
Ing. Matej Jergel, DrSc.		PB	Noc výskumníka, prezentácia výskumných aktivít v OMN	Stará tržnica, Bratislava	30.9.2016
Prof.,Ing. Štefan Luby, DrSc.		PB	Príhovor na Kongrese slovenských slavistov	Kniha J. Stanislav a slovenská slavistika	2016
Prof.,Ing. Štefan Luby, DrSc.	M. Lubyová	PB	How to avoid patalogical phenomena in science	Zborník konf. MEMS STU	25.5.2016
Doc. RNDr. Martin Plesch, PhD.		PB	Populárna prednáška	http://educafe.sk/event/martin-plesch-bezpecna-komunikacia-s-pomocou-kvantovej-fyziky/	2.2.2016
Doc. RNDr. Martin Plesch, PhD.	Soňa Pacherová	TL	Profilový článok	PRAVDA	5.10.2016
Ing. Peter Švec, DrSc.	Jonathan Ravasz (Virtual Reality)	PB	Bratislava Design Week - komentovaná prehliadka výstavy v inom poradí	http://www.bratislavadesignweek.sk/program-2/	10.6.2016
Mgr. Martin Venhart, PhD.		PB	DOD 2016	http://www.fu.sav.sk/?dod	9.11.2016
Doc. Mgr. Mário Ziman, PhD		PB	DOD 2016	http://www.fu.sav.sk/?dod	9.11.2016
Doc. Mgr. Mário Ziman, PhD		PB	Podivné pravdepodobnosti	Interaktívna konferencia mladých vedcos PREVEDA	9.6.2016
Doc. RNDr. Martin Plesch, PhD.	František Kundracik, Martin Chudiak	iné	Olympiáda mladých vedcov - priebežná činnosť	www.ijso.sk	5
Doc. RNDr. Martin Plesch, PhD.	František Kundracik, Matej Badin	iné	Turnaj mladých fyzikov - priebežná činnosť	www.tmfsr.sk	10

Mgr. Martin Venhart, PhD.		PB	Experiment CERN-ISOLDE: aký tvar majú atómové jadrá	Noc výskumníkov 2016	1

[1] *PB - prednáška/beseda, TL - tlač, TV - televízia, RO - rozhlas, IN - internet, EX - exkurzia, PU - publikácia, MM - multimédiá, DO - dokumentárny film*

9.1.2. Súhrnné počty vedecko-popularizačných činností organizácie SAV

Tabuľka 9b Súhrnné počty vedecko-popularizačných činností organizácie SAV

Typ	Počet	Typ	Počet	Typ	Počet
prednášky/besedy	13	tlač	1	TV	0
rozhlas	0	internet	0	exkurzie	0
publikácie	0	multimediálne nosiče	0	dokumentárne filmy	0
iné	3				

9.2. Vedecko-organizačná činnosť

Tabuľka 9c Vedecko-organizačná činnosť

Názov podujatia	Domáca/ medzinárodná	Miesto	Dátum konania	Počet účastníkov
New trends in solar cells	medzinárodná	Bratislava	19.04.-22.04.2016	60
CEQIP 2016 – Central European Quantum Information Processing	medzinárodná	Valtice, Česká Republika	16.06.-19.06.2016	70
APCOM 2016 – Applied Physics of Condensed Matter	medzinárodná	Hotel Patria, Štrbské Pleso, Slovensko	22.06.-24.06.2016	92
Physics in Fuzzy Spaces	medzinárodná	Stará Lesná, Slovensko	26.09.-01.10.2016	25
C-MAC Days 2016	medzinárodná	Bratislava, Slovensko	21.11.-24.11.2016	50
Solid State Surfaces and Interfaces (9th SSSI 2016)	medzinárodná	Hotel Signal, Piešťany, Slovakia	21.11.-24.11.2016	-
MATHERMO 2016 – FOCUS MEETING Mathematical foundations of quantum thermodynamics	medzinárodná	Smolenice, Slovensko	06.12.-09.12.2016	35

9.3. Účasť na výstavách

9.4. Účasť v programových a organizačných výboroch národných konferencií

Tabuľka 9d Programové a organizačné výbory národných konferencií

Typ výboru	Programový	Organizačný	Programový i organizačný
Počet členstiev	0	0	0

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. 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 - Pomiary-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 Bĕták, DrSc.

Jednota slov. matematikov a fyzikov (funkcia: člen)
Slovenská fyzikálna spoločnosť (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. Peter Filip, PhD.

Slovenská Fyzikálna Spoločnosť (funkcia: tajomník)

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)

Ing. Matej Jergel, DrSc.

Jednota slovenských matematikov a fyzikov (funkcia: člen)
Odborná skupina chémie a fyziky tuhých látok (funkcia: člen)
Slovenská fyzikálna spoločnosť (funkcia: člen)
Slovenská vákuová spoločnosť (funkcia: člen)
Učená spoločnosť SAV (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)

Dr.Rer.Nat. Ing. Mgr. Andrej Liptaj, PhD.

Slovenská fyzikálna spoločnosť (funkcia: člen)

Prof., RNDr. Eva Majerníková, DrSc.

Slovenská fyzikálna spoločnosť (SFS) (funkcia: členka)

RNDr. Štefan Olejník, DrSc.

ARRA (funkcia: člen odbornej rady)
JSMF (funkcia: člen)
Učená spoločnosť SAV (funkcia: riadny člen)

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)

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

V rámci Týždňa vedy a techniky na Slovensku, zorganizoval FÚ SAV v stredu 9. 11. 2016 každoročné podujatie **Deň otvorených dverí na FÚ SAV 2016** určené širokej verejnosti, ale hlavne študentom stredných a vysokých škôl. Podujatie navštívilo vyše 50 žiakov so svojimi pedagógmi z troch bratislavských škôl ako aj laický záujemcovia o fyziku. Pre návštevníkov odzneli prednášky:

- Experiment IS521 v CERN: Aký majú tvar atómové jadrá? – Martin Venhart
- Ultrapresné simulácie a nanomanipulácie (prednáška z nanosveta a nanotechnológií) – Ján Brndiar
- Kvantová teleportácia – Mário Ziman
- Nobelova cena za 2016 – topologické fázové prechody a topologické stavy hmoty – Eva Majerníková

Návštevníci si mohli prezrieť priestory našich laboratórií, kde im pracovníci Oddelenia fyziky kovov, Oddelenia multivrstiev a nanoštruktúr a Spoločného laboratória MLC a FÚ SAV poskytli pútavé výklady.
Martin Venhart z Oddelenia jadrovej fyziky na **Európskej Noci výskumníkov 2016** vystúpil s prednáškou IS521 v CERN, kde predstavil niektoré elementy základného výskumu v oblasti jadrovej fyziky. V samostatnom stánku **Samousporiadaný nanosvet** bola predstavená posledná generácia multifunkčných vrstiev pre svietidlá budúcnosti pracovníkmi Oddelenia multivrstiev a nanoštruktúr.

10. Činnosť knižnično-informačného pracoviska

10.1. Knižničný fond

Tabuľka 10a Knižničný fond

Knižničné jednotky spolu		
z toho	knihy a zviazané periodiká	10481
	audiovizuálne dokumenty	
	elektronické dokumenty (vrátane digitálnych)	
	mikroformy	
	iné špeciálne dokumenty - dizertácie, výskumné správy	
Počet titulov dochádzajúcich periodík		21
z toho zahraničné periodiká		20
Ročný prírastok knižničných jednotiek		10
v tom	kúpou	10
	darom	
	výmenou	
	bezodplatným prevodom	
Úbytky knižničných jednotiek		
Knižničné jednotky spracované automatizovane		1299

10.2. Výpožičky a služby

Tabuľka 10b Výpožičky a služby

Výpožičky spolu		470
z toho	odborná literatúra pre dospelých	
	výpožičky periodík	57
	prezenčné výpožičky	413
MVS iným knižniciam		40
MVS z iných knižníc		15
MMVS iným knižniciam		
MMVS z iných knižníc		
Počet vypracovaných bibliografií		
Počet vypracovaných rešerší		2

10.3. Používatelia

Tabuľka 10c Používatelia

Registrovaní používatelia	92
Návštevníci knižnice spolu (bez návštevníkov podujatí)	106

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 €	622,32

10.5. Iné informácie o knižničnej činnosti

Elektronický katalóg Knižnice FÚ SAV je zabezpečený formou open source systému PhpMyBibli. Knižničný systém sa v priebehu užívania osvedčil, je využívaný používateľmi Knižnice. Katalóg je prístupný na webovej adrese http://www.fu.sav.sk/PhpMyBibli/opac_css.

11. Aktivity v orgánoch SAV

11.1. Členstvo vo Výbore Snemu SAV

RNDr. Katarína Gmucová, CSc.

- predsedníčka I. komory

11.2. Členstvo v Predsedníctve SAV a vo Vedeckej rade SAV

RNDr. Eva Majková, DrSc.

- podpredsedníčka pre vedu a výskum

11.3. Členstvo vo vedeckých kolégiách SAV

RNDr. Stanislav Hlaváč, CSc.

- VK SAV pre matematiku, fyziku a informatiku (člen)

Ing. Matej Jergel, DrSc.

- VK SAV pre matematiku, fyziku a informatiku (člen)

RNDr. Marián Krajčí, DrSc.

- VK SAV pre matematiku, fyziku a informatiku (člen)

Ing. Štefan Lányi, DrSc.

- VK SAV pre elektroniku, materiálový výskum a technológie (člen)

RNDr. Ladislav Šamaj, DrSc.

- VK SAV pre matematiku, fyziku a informatiku (člen)

11.4. Členstvo v komisiách SAV

Mgr. Andrej Gendiar, PhD.

- Edičná rada SAV (člen)

RNDr. Katarína Gmucová, CSc.

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

Prof.,Ing. Štefan Luby, DrSc.

- Porota pre udeľovanie Medzinárodnej ceny SAV (člen)

RNDr. Eva Majková, DrSc.

- Rada SAV pre vzdelávanie a doktorandské štúdium (člen)

RNDr. Štefan Olejník, DrSc.

- Komisia SAV pre informačné a komunikačné technológie (člen)

11.5. Členstvo v orgánoch VEGA

Ing. Ján Ivančo, PhD.

- 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)

RNDr. Marián Krajčí, DrSc.

- Komisia č. 1 (člen)

RNDr. Igor Maťko, CSc.

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

Ing. Peter Švec, DrSc.

- Komisia č. 1 pre matematické vedy, počítačové a informatické vedy a fyzikálne vedy (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 RO SAV

12.1. Výdavky PO SAV

Tabuľka 12a Výdavky PO SAV (v €)

V ý d a v k y	**Skutočnosť k 31.12.2016 spolu**	**v tom:**			
		zo ŠR od zriaďovateľa	**z vlastných zdrojov**	**z iných zdrojov**	**z toho:**
					ŠF EÚ
Výdavky spolu	3115569	1820073	290697	982911	113283
Bežné výdavky	2987094	1807240	206306	973551	113283
v tom:					
mzdy (610)	1337883	1053296	33032	251555	50818
poistné a príspevok do poisťovní (620)	455928	285422	73936	96570	27128
tovary a služby (630)	764368	352207	85373	326788	31337
z toho: časopisy	7620	7620			
VEGA projekty	134814	134814			
MVTS projekty	135594	135594			
CE	0				
vedecká výchova	7000	7000			
bežné transfery (640)	428918	116315	13965	298638	4000
z toho: štipendiá	125891	109291	12200	4000	4000
transfery partnerom projektov	294637			294637	
Kapitálové výdavky	128910	34721	84391	9360	
v tom:					
obstarávanie kapitálových aktív	128910	34721	84391	9360	
kapitálové transfery					
z toho: transfery partnerom projektov					

12.2. Príjmy PO SAV

Tabuľka 12b Príjmy PO SAV (v €)

P r í j m y	Skutočnosť k 31.12.2016 spolu	v tom:	
		rozpočtové	z mimorozp. zdrojov
Príjmy spolu	1138624	703411	435213
Nedaňové príjmy	98664		98664
v tom:			
príjmy z prenájmu	17748		17748
príjmy z predaja výrobkov a služieb	67969		67969
iné	12947		12947
Granty a transfery (mimo zdroja 111)	1039960	703411	336549
v tom:			
tuzemské	509072	509072	
z toho: APVV	509072	509072	
iné			
zahraničné	530888	194339	336549
z toho: projekty rámcového programu EÚ	237219	194339	42880
iné	293669		293669

13. Nadácie a fondy pri organizácii SAV

14. Iné významné činnosti organizácie SAV

15. Vyznamenania, ocenenia a ceny udelené pracovníkom organizácie v roku 2016

15.1. Domáce ocenenia

15.1.1. Ocenenia SAV

Krajčí Marián
Čestná plaketa SAV Dionýza Ilkoviča za zásluhy vo fyzikálno-chemických vedách
Oceňovateľ: Predsedníctvo SAV

15.1.2. Iné domáce ocenenia

Gmuca Štefan
Čestný člen SFS
Oceňovateľ: Slovenská fyzikálna spoločnosť

Luby Štefan
Čestné členstvo Slovenskej fyzikálnej spoločnosti
Oceňovateľ: Slovenská fyzikálna spoločnosť
Opis: Diplom

Luby Štefan
Medaila STU
Oceňovateľ: Rektor STU
Opis: Medaila

Luby Štefan
Zlatá medaila IDC Holding
Oceňovateľ: Dozorná rada IDC Holdingu
Opis: Medaila

Luby Štefan
Zlatá medaila Slovenskej lekárskej spoločnosti
Oceňovateľ: Slovenská lekárska spoločnosť
Opis: Medaila

Venhart Martin
Blahoprajný list
Oceňovateľ: prezident republiky Andrej Kiska
Opis: Prezident republiky Andrej Kiska vyjadril listom uznanie členom kolektívu z OJF FÚ SAV, ktorí úspešne realizovali experiment IS521 v CERNe

15.2. Medzinárodné ocenenia

Mihalkovič Marek
Jean Marie Dubois Award 2016
Oceňovateľ: International Conference on Quasicrystals
Opis: Ocenenie "for theoretical work that has enabled and demonstrated the simulation of thermodynamic and dynamic properties of quasicrystals, based on realistic atomic-scale models and energetics".

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

Každoročne narastá administratívna záťaž pre zodpovedných riešiteľov projektov, najmä pri finančnom zabezpečení projektov počas roka (používanie prostriedkov, ich klasifikácia, verejné obstarávanie, plánovanie využitia finančných prostriedkov vopred na obdobia alebo aktivity, kde toto nie je zodpovedne možné určiť a pod.), pri ich zúčtovaní a písaní koncoročných správ o činnosti a dosiahnutých výsledkoch.
Vzhľadom na výraznú potrebu ochrany pracovného času vedeckých pracovníkov a zabezpečenia ich priamej vedeckej práce, za ktorú sú najmä hodnotení, rozhodli sme sa dať podnet na zabezpečenie, resp. zjednodušenie a zredukovanie existujúcich administratívnych úkonov pre ústavy SAV. Prípadnou formou takejto iniciatívy by mohla byť snaha o získanie výnimky alebo úpravu predpisov pre SAV, ktoré tieto záležitosti usmerňujú.
Odbremenenie od administratívnych úkonov je jednou z podmienok vytvorenia čo najlepšej pracovnej atmosféry, ktorá sa odzrkadlí v kvalitných výstupoch a udržaní kvalitných pracovníkov. Pevne dúfame, že SAV bude i naďalej podporovať projekty a výzvy, podporujúce výskum mladých vedeckých pracovníkov či už v rámci bežiacich projektov SASPRO, VEGA alebo v iných pripravovaných aktivitách.

Správu o činnosti organizácie SAV spracoval(i):

Mgr. Erik Bartoš, PhD., 02/ 59410 512

Riaditeľ organizácie SAV	**Predseda vedeckej rady**
.....	.....
RNDr. Stanislav Hlaváč, CSc.	Mgr. Martin Veselský, PhD.

Prílohy

Príloha A

Zoznam zamestnancov a doktorandov organizácie k 31.12.2016

Zoznam zamestnancov podľa štruktúry (nadväzne na údaje v Tabuľke 1a)

	Meno s titulmi	Úväzok (v %)	Ročný prepočítaný úväzok
Vedúci vedeckí pracovníci DrSc.			
1.	Doc. RNDr. Emil Běták, DrSc.	70	0.73
2.	Prof. RNDr. Vladimír Bužek, DrSc.	100	1.00
3.	RNDr. Stanislav Dubnička, DrSc.	75	0.75
4.	Ing. Matej Jergel, DrSc.	100	1.00
5.	Ing. Ján Kliman, DrSc.	70	0.73
6.	RNDr. Marián Krajčí, DrSc.	100	1.00
7.	Ing. Štefan Lányi, DrSc.	70	0.70
8.	Prof.,Ing. Štefan Luby, DrSc.	100	1.00
9.	RNDr. Eva Majková, DrSc.	50	0.50
10.	RNDr. Miroslav Nagy, DrSc.	100	0.92
11.	RNDr. Štefan Olejník, DrSc.	100	1.00
12.	RNDr. Ladislav Šamaj, DrSc.	100	1.00
13.	prof. Ing. Ivan Štich, DrSc.	100	1.00
14.	Ing. Peter Švec, DrSc.	100	1.00
Vedúci vedeckí pracovníci CSc., PhD.			
1.	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 Boháčik, CSc.	50	0.50
5.	RNDr. Pavol Butvin, CSc.	60	0.60
6.	RNDr. Beata Butvinová, CSc.	100	1.00
7.	Mgr. Peter Filip, PhD.	100	1.00
8.	Mgr. Andrej Gendiar, PhD.	100	1.00
9.	Ing. Štefan Gmuca, CSc.	100	1.00
10.	RNDr. Katarína Gmucová, CSc.	100	1.00
11.	Doc.RNDr. Miroslav Grajcar, DrSc.	25	0.25
12.	Ing. Ján Ivančo, PhD.	100	1.00

13.	RNDr. Pavol Kalinay, CSc.	100	1.00
14.	Dr.Rer.Nat. Ing. Mgr. Andrej Liptaj, PhD.	100	1.00
15.	RNDr. Lubomir Martinovič, CSc.	100	0.00
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.	Ing. Vojtech Nádaždy, CSc.	100	1.00
20.	Mgr. Daniel Nagaj, PhD.	100	1.00
21.	RNDr. Emil Pinčík, CSc.	100	1.00
22.	Doc. RNDr. Martin Plesch, PhD.	100	0.71
23.	RNDr. Daniel Reitzner, PhD.	100	1.00
24.	Mgr. Michal Sedlák, PhD.	100	0.89
25.	Ing. Mgr. Peter Staňo, PhD.	25	0.25
26.	RNDr. Ondrej Šauša, CSc.	100	1.00
27.	Dr. Rer. Nat. Peter Šiffalovič, PhD.	100	1.00
28.	Ing. Igor Travěnec, CSc.	100	1.00
29.	RNDr. Robert Turanský, PhD.	100	1.00
30.	Mgr. Martin Venhart, PhD.	100	1.00
31.	Mgr. Martin Veselský, PhD.	100	1.00
32.	Ing. Viliam Vretenár, PhD.	50	0.50
33.	Mgr. Peter Vršanský, PhD.	30	0.05
34.	Doc. Mgr. Mário Ziman, PhD	100	1.00
Vedeckí pracovníci			
1.	Mgr. Ján Brndiar, PhD.	100	1.00
2.	RNDr. Róbert Brunner, CSc.	100	1.00
3.	Mgr. Maksym Demydenko, PhD.	100	1.00
4.	RNDr. René Derian, PhD.	100	1.00
5.	Mgr.Ing. Jozef Drga, PhD.	100	0.58
6.	Mgr. Jozef Genzor, PhD.	100	0.44
7.	Ing. Yuriy Halahovets, PhD.	100	1.00
8.	Ing. Ján Hudec, PhD.	34	0.15
9.	Ing. Irena Janotová, PhD.	100	1.00
10.	Ing. Mário Kotlár, PhD.	40	0.40
11.	RNDr. Tomáš Krajňák, PhD.	75	0.50
12.	Mgr. Roman Krčmár, PhD.	100	1.00

13.	Mgr. Lubos Krupa, PhD.	100	0.00
14.	Dr. Krisztián Palotás	100	0.67
15.	RNDr. Matej Pivoluska, PhD.	100	1.00
16.	Dr. Pareshkumar Manharbhai Prajapati	100	1.00
17.	Mgr. Peter Rapčan, PhD.	20	0.26
18.	RNDr. Anton Repko, PhD.	100	0.96
19.	Ing. Jaroslav Rusnák, PhD.	100	1.00
20.	Mgr. Tomáš Rybár, PhD.	100	1.00
21.	Ing. Vladimír Štofanik, PhD.	25	0.25
22.	Ing Peter Švec Jr., PhD.	100	1.00
23.	RNDr. Kamil Tokár, PhD.	100	1.00
24.	Mgr. Karol Végsö, PhD.	100	0.42
Odborní pracovníci s VŠ vzdelaním (výskumní a vývojoví zamestnanci)			
1.	Mgr. Matúš Balogh	5	0.03
2.	RNDr. Monika Benkovičová	100	0.00
3.	Mgr. Michal Bodík	5	0.03
4.	Mgr. Katarína Čechová	5	0.05
5.	Mgr. Michal Daniška	5	0.05
6.	RNDr. Dušan Janičkovič	100	1.00
7.	Lenka Kabátová, Bc.	100	1.00
8.	Ing. Anna Kálosi	5	0.03
9.	Mgr. Dušan Kamas	5	0.05
10.	Mgr. Jozef Klimo	5	0.05
11.	Ing. Daniel Manca	5	0.05
12.	Mgr. Peter Nádaždy	5	0.68
13.	Dr.Ing. Marco Enrico Bagio Pelletta	5	0.03
14.	Ing. Matúš Sedlák	5	0.05
15.	Ing. Rudolf Senderák, Piešťany	100	1.00
16.	Mgr. Riyas Subair	5	0.01
17.	Mgr. Róbert Urban	5	0.05
18.	Ing. Martina Zemanová	50	0.75
19.	Mgr. Juraj Zigo	5	0.05
Odborní pracovníci s VŠ vzdelaním (ostatní zamestnanci)			
1.	Mgr. Ursula Juhásová	55	0.00
2.	Ing. Mária Jusková	35	0.35

3.	Ing. Jana Kováčová	100	1.00
4.	Mgr. Lucia Kuchtová	100	0.00
5.	Prom. knih. Božena Števulová	100	1.00
6.	Mgr. Angelika Winczerová	128	1.28
7.	Ing. Marta Zofcsáková	65	0.65
Odborní pracovníci ÚSV			
1.	Silvia Bačová	100	1.00
2.	Marta Bubničová	100	1.00
3.	Ľubomír Dostál	50	0.50
4.	Michal Halász	100	1.00
5.	Emília Hoffmanová	100	1.00
6.	Jana Kolériková	100	1.00
7.	Štefan Lučanský, dielňa	100	1.00
8.	Marian Markovič	100	1.00
9.	Gustáv Pomšár, Ved. dielňa, technik	100	1.00
10.	Miroslav Popelák, Piešťany	50	0.50
11.	Ivan Sabo	60	0.60
12.	Oľga Švančarová	70	0.70
13.	Peter Zitto	50	0.38
14.	Jana Zvončeková, Piešťany	100	1.00

Zoznam zamestnancov, ktorí odišli v priebehu roka

	Meno s titulmi	**Dátum odchodu**	**Ročný prepočítaný úväzok**
Vedúci vedeckí pracovníci DrSc.			
1.	Ing. Ľudovít Kubičár, DrSc.	1.1.2016	0.00
Samostatní vedeckí pracovníci			
1.	Ing. Ivan Turzo, CSc.	31.1.2016	0.02
Vedeckí pracovníci			
1.	Mgr. Martin Hodas, PhD.	31.10.2016	0.45
2.	Ing. Michal Kaiser, PhD.	31.8.2016	0.03
3.	Mgr. Kristián Petrík, PhD.	1.1.2016	0.00
4.	RNDr. Andrej Vojtko	22.8.2016	0.03
Odborní pracovníci s VŠ vzdelaním (výskumní a vývojoví zamestnanci)			
1.	RNDr. Jozef Leja	1.1.2016	0.00
Odborní pracovníci s VŠ vzdelaním (ostatní zamestnanci)			

1.	Ing. Erika Gažiová	31.1.2016	0.02
Odborní pracovníci ÚSV			
1.	ml. Jana Koláriková	31.5.2016	0.42

Zoznam doktorandov

	Meno s titulmi	Škola/fakulta	Študijný odbor
Interní doktorandi hradení z prostriedkov SAV			
1.	Mgr. Matúš Balogh	Fakulta matematiky, fyziky a informatiky UK	4.1.5 jadrová a subjadrová fyzika
2.	Mgr. Michal Bodík	Fakulta matematiky, fyziky a informatiky UK	4.1.4 kvantová elektronika a optika
3.	Mgr. Libor Caha	Fakulta matematiky, fyziky a informatiky UK	4.1.2 všeobecná fyzika a matematická fyzika
4.	Mgr. Katarína Čechová	Fakulta matematiky, fyziky a informatiky UK	4.1.5 jadrová a subjadrová fyzika
5.	Mgr. Michal Daniška	Fakulta matematiky, fyziky a informatiky UK	4.1.2 všeobecná fyzika a matematická fyzika
6.	Ing. Anna Kálosi	Fakulta elektrotechniky a informatiky STU	5.2.48 fyzikálne inžinierstvo
7.	Mgr. Dušan Kamas	Fakulta matematiky, fyziky a informatiky UK	4.1.5 jadrová a subjadrová fyzika
8.	Mgr. Jozef Klimo	Fakulta matematiky, fyziky a informatiky UK	4.1.5 jadrová a subjadrová fyzika
9.	Ing. Daniel Manca	Fakulta matematiky, fyziky a informatiky UK	4.1.3 fyzika kondenzovaných látok a akustika
10.	Mgr. Peter Nádaždy	Fakulta matematiky, fyziky a informatiky UK	4.1.4 kvantová elektronika a optika
11.	Marco Pelletta	Fakulta matematiky, fyziky a informatiky UK	4.1.4 kvantová elektronika a optika
12.	Ing. Matúš Sedlák	Fakulta matematiky, fyziky a informatiky UK	4.1.5 jadrová a subjadrová fyzika
13.	Riyas Subair	Fakulta matematiky, fyziky a informatiky UK	4.1.4 kvantová elektronika a optika
14.	Mgr. Róbert Urban	Fakulta matematiky, fyziky a informatiky UK	4.1.5 jadrová a subjadrová fyzika
15.	Mgr. Juraj Zigo	Fakulta matematiky, fyziky a informatiky UK	4.1.3 fyzika kondenzovaných látok a akustika
Interní doktorandi hradení z iných zdrojov			
organizácia nemá interných doktorandov hradených z iných zdrojov			
Externí doktorandi			
1.	RNDr. Dušan Janičkovič	Fakulta elektrotechniky a informatiky STU	5.2.48 fyzikálne inžinierstvo
2.	RNDr. Jozef Leja	Fakulta matematiky, fyziky a informatiky UK	4.1.5 jadrová a subjadrová fyzika

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.
7.	RNDr. Gabriel Vlasák, CSc.

Príloha B
Projekty riešené v organizácii

Medzinárodné projekty

Programy: Medziakademická dohoda (MAD)

1.) Exotické tvary jadier skúmané v prieniku štúdia štruktúry a jadrových reakcií *(Exotic nuclear shapes in the intersection of structure and reaction studies)*

Zodpovedný riešiteľ:	Emil Běták
Trvanie projektu:	1.1.2016 / 31.12.2018
Evidenčné číslo projektu:	
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Fyzikálny ústav SAV
Počet spoluriešiteľských inštitúcií:	2 - Maďarsko: 2
Čerpané financie:	

Dosiahnuté výsledky:

2.) Magnetické správanie a doménová štruktúra moderných magneticky mäkkých materiálov *(Magnetic behavior and domain structure of modern soft-magnetic materials)*

Zodpovedný riešiteľ:	Beata Butvinová
Trvanie projektu:	1.1.2016 / 31.12.2018
Evidenčné číslo projektu:	
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Fyzikálny ústav SAV
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	

Dosiahnuté výsledky:
Vyšetrovali sme doménovú štruktúru (DŠ) a charakter premagnetovania v nanokryštalických zliatinách FeCuBSiP s variantnými zloženiami obsahujúcimi 3 alebo 4 at.% fosforu . Zároveň bol preskúmaný aj vplyv obsahu Si s obmenou 4 at.% a 8 at.%. Rôzne žíhacie teploty použité na získanie výhodných magneticky mäkkých vlastností majú za následok komplikovanú DŠ po žíhaní v Ar a dokonca aj vo vákuovej atmosfére. Priečne domény sa vyskytujú prevažne v strede pásky, kým na okrajoch prevládajú pozdĺžne najmä na lesklej strane. Výsledná DŠ je ovplyvnená prevažne magnetoelastickou energiou pásky. Zliatiny so 4 at.% Si prejavujú magnetické tvrdnutie pri žíhacích teplotách nad 530°C, kým zliatiny s vyšším obsahom Si sú ešte magneticky mäkké.
Publikácie: 2 CC práce prijaté do tlače (JMMM, Acta Phys. Pol. A), 1 práca vyjdená koncom minulého roka (JEEC), 1 príspevok na medzinárodnej konferencii.

Programy: Medziústavná dohoda

3.) Štúdium silne intragujúcej hmoty, Hadrónová fyzika 3 *(Study of Strongly Interacting Matter, HadronPhysics3)*

Zodpovedný riešiteľ:	Stanislav Hlaváč
Trvanie projektu:	1.1.1995 / 30.12.2016
Evidenčné číslo projektu:	TARI 283286
Organizácia je koordinátorom projektu:	nie
Koordinátor:	Prof. Piotr Salabura, Jagellonian University
Počet spoluriešiteľských inštitúcií:	6 - Česko: 1, Nemecko: 1, Francúzsko: 1, Poľsko: 1, Portugalsko: 1, Rusko: 1
Čerpané financie:	

Dosiahnuté výsledky:

Programy: Medzivládna dohoda

4.) Vytvorenie elektronickej aparatúry pre experimenty v relativistickej fyzike ťažkých a ľahkých iónov na urýchľovači Nuclotrón *(Creation of electronic equipment for experiments in relativistic nuclear physics of heavy and light ions at the Nuclotron accelerator)*

Zodpovedný riešiteľ:	Vladislav Matoušek
Trvanie projektu:	1.1.2012 / 31.12.2016
Evidenčné číslo projektu:	08626319/1020103-7400000000
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Fyzikálny ústav SAV
Počet spoluriešiteľských inštitúcií:	1 - Rusko: 1
Čerpané financie:	JINR: 8000 €

Dosiahnuté výsledky:

V uplynulom roku bola na stanici vnútorných terčov urýchľovača Nuklotrón ďalej rozšírená hlavne zberová časť systému, čo zahŕňalo pripojenie vyvinutého systému detektorov a príslušnej elektroniky (predzosilňovače, ADC), ktoré bolo realizované našimi partnermi. Z našej strany bolo najviac práce venovanej úprave softvérovej časti ovládania. Zber údajov sa bude vykonávať v systéme ROOT, ktorý je široko používaný v našej oblasti. K tomu sme z výhodou využili skúsenosti získané v poslednom roku z implementácie zberového systému vyvíjaného na našom ústave v programovom prostredí ROOT.

Ďalej boli implementované ďalšie požiadavky na komunikáciu celého systému s ostatnými zariadeniami, resp. používateľmi. Podstatne sa zvýšili požiadavky na presnosť určenia polohy terčov v čase. Našťastie, hardvér toto zvýšenie presnosti umožňoval. Požadovaná presnosť určenia polohy v oblasti zväzku je 0.05 mm. Ďalej boli zrealizované potrebné úpravy softvéru pre poskytovanie informácie o aktuálnej intenzite žiarenia z interakcie zväzku a terča pre potreby korekcie trajektórie terča priamo počas merania.

Pri nasledujúcom plánovanom experimente vo februári 2017 budú tieto inovácie otestované.

Programy: COST

5.) Nanoscale Quantum Optics *(Nanoscale Quantum Optics)*

Zodpovedný riešiteľ:	Vladimír Bužek
Trvanie projektu:	2.12.2014 / 1.12.2018
Evidenčné číslo projektu:	COST Action MP 1403
Organizácia je koordinátorom projektu:	nie
Koordinátor:	University of Siegen
Počet spoluriešiteľských inštitúcií:	4 - Francúzsko: 1, Veľká Británia: 1, Švajčiarsko: 1, Švédsko: 1
Čerpané financie:	
	Podpora medzinárodnej spolupráce z národných zdrojov: 3500 €

Dosiahnuté výsledky:
Zaoberali sme sa aplikáciami v oblasti kvantovej metrológie, konkrétne odhadovaniu tzv. dynamickej fidelity v kvantovo-optických implementáciách kvantových hradiel.

6.) Termodynamika v kvantovom režime *(Thermodynamics in the quantum regime)*

Zodpovedný riešiteľ:	Vladimír Bužek
Trvanie projektu:	30.4.2013 / 29.4.2017
Evidenčné číslo projektu:	MP1209-MoU
Organizácia je koordinátorom projektu:	nie
Koordinátor:	University of Exeter
Počet spoluriešiteľských inštitúcií:	10 - Rakúsko: 1, Belgicko: 1, Nemecko: 2, Dánsko: 1, Fínsko: 1, Veľká Británia: 2, Švajčiarsko: 1, Portugalsko: 1
Čerpané financie:	
	Podpora medzinárodnej spolupráce z národných zdrojov: 3500 €

Dosiahnuté výsledky:
Skúmali sme výskyt teploty ako charakteristiky spektier podsystémov vlastných stavov kvantových spinových systémoch. Okrem toho sme organizovali COST workshop Mathematical foundations of quantum thermodynamics v Smoleniciach.

7.) Pokročilá rentgenová priestorová a časová metrológia *(Advanced X-ray spatial and temporal metrology)*

Zodpovedný riešiteľ:	Matej Jergel
Trvanie projektu:	16.11.2012 / 15.11.2016
Evidenčné číslo projektu:	MP1203
Organizácia je koordinátorom projektu:	nie
Koordinátor:	Dr Philippe ZEITOUN, CNRS LOA, ENSTA, Chemin de la Hunier, 91671 Palaiseau
Počet spoluriešiteľských inštitúcií:	19 - Nemecko: 1, Dánsko: 1, Španielsko: 2, Estónsko: 1, Fínsko: 1, Francúzsko: 2, Veľká Británia: 1, Grécko: 1, Maďarsko: 1, Švajčiarsko: 1, Írsko: 2, Taliansko: 1, Poľsko: 1, Portugalsko: 1, Rumunsko: 1, Slovinsko: 1
Čerpané financie:	

Podpora medzinárodnej spolupráce z národných zdrojov: 1750 €

Dosiahnuté výsledky:
Vyvíjali sme ďalej výskumné aktivity v rámci pracovnej skupiny č.1 „Priestorová metrológia rtg optiky“.

Aplikovali sme ďalej protokoly pre komplexnú charakterizáciu aktívnych povrchov rtg difrakčnej optiky vypracované v predošlom období pri vývoji technológie jednobodového sústruženia Ge diamantovým hrotom s cieľom optimalizovať finalizáciu povrchov po nanoobrábaní. Testovali sme rôzne spôsoby randomizácie pohybu pracovného nástroja a chemického a chemomechanického leštenia, aby sme potlačili parazitnú povrchovú mriežku typickú pre deterministické nanoobrábanie a minimalizovali spektrálnu hustotu drsnosti. Dosiahli sme lokálnu drsnosť hlboko pod 1 nm pri zachovaní planarity na úrovni 10^(-5), čo dáva dobré predpoklady pre aplikácie v rtg metrológii aj rtg zobrazovaní.

Na základe dynamickej teórie rtg difrakcie a metódy "ray tracing" sme ako prví vykonali systematické výpočty parametrov monolitických kanálikových monochromátorov pre kompresiu a expanziu rtg zväzku s cieľom optimalizácie rôznych parametrov (hustota toku, spektrálna čistota, radiancia). Na základe týchto výpočtov boli navrhnuté a pripravené tradičnou aj novou technológiou nanoobrábania nové rtg monochromátory optimalizované na rôzne aplikácie. Prvé výsledky komparatívnych meraní ukazujú dobrú zhodu s nominálnymi parametrami.

Výsledky výskumu boli opublikované v 2 CC časopisoch (WOS), v 9 konferenčných zborníkoch.

8.) Koloidné aspekty nanovied pre inovatívne procesy a materály *(Colloidal Aspects of Nanoscience for Innovative Processes and Materials)*

Zodpovedný riešiteľ:	Eva Majková
Trvanie projektu:	19.1.2012 / 18.1.2016
Evidenčné číslo projektu:	COST CM1101
Organizácia je koordinátorom projektu:	nie
Koordinátor:	Prof. Piotr WARSZYNSKI J. Haber Institute of Catalysis and Surface Chemistry Poland,
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	

Dosiahnuté výsledky:
Prepracovali sme prípravu koloidných roztokov 2D nanovrstiev MoS2 pomocou techniky kvapalnej exfoliácie. Pre prípravu koloidných roztokov MoS2 s nízkou disperziou veľkosti sme zdokonalili metódu ultrazvkovej agitácie a následnú separácie frakcií s použitím centrifugácie. Takto pripravené koloidné roztoky boli použité na prípravu Langmuirových vrstiev na vodnom povrchu. Najdôležitejším výsledkom bolo sledovanie in-situ tvorby Langmuirovej vrstvy MoS2 pomocou časovo-rozlíšenej RTG difrakcie. Výsledky výskumu budú prezentované na konferencii Graphene 2017.

9.) Stabilizovaná fotovoltaika ďalšej generácie: objasnenie mechanizmov degradácie organických solárnych článkov komplementárnymi charakterizačnými technikami *(Stable Next-Generation Photovoltaics: Unravelling Degradation Mechanisms of Organic Solar Cells by Complementary Characterization Techniques)*

Zodpovedný riešiteľ:	Eva Majková
Trvanie projektu:	1.2.2015 / 31.3.2018
Evidenčné číslo projektu:	COST MP 1307
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Fyzikálny ústav SAV
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	Podpora medzinárodnej spolupráce z národných zdrojov: 2500 €

Dosiahnuté výsledky:
V druhom roku projektu sme zdokonalili prípravu tenko-vrstvových solárnych článkov na báze perovskitov a fulerénov. Takto pripravené solárne články v kontrolovanej inertnej atmosfére dosahujú účinnosť na úrovni 7%. Nami vyvinutá reprodukovateľná príprava perovskitových solárnych článkov bude v ďalšom použitá na prípravu hybridných perovskitových solárnych článkov s inklúziou samousporiadaných vrstiev grafénu, grafén oxidu a molybdén disulfidu. Zároveň sme prepracovali techniku elektrochemickej impedančnej spektroskopie s energetickým rozlíšením pre potreby charakterizácie defektných stavov medzi HOMO a LUMO v perovskitových solárnych článkoch.

10.) Pokročilá rekonštrukcia v RTG tomografii: Experiment, Modelovanie a Algoritmy *(Enhanced X-ray Tomographic Reconstruction: Experiment, Modeling, and Algorithms)*

Zodpovedný riešiteľ:	Peter Šiffalovič
Trvanie projektu:	16.5.2013 / 15.5.2017
Evidenčné číslo projektu:	COST MP1207
Organizácia je koordinátorom projektu:	nie
Koordinátor:	CWIScience Park 123NL-1090GB Amsterdam, Netherlands
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	SAS: 4000 € Podpora medzinárodnej spolupráce z národných zdrojov: 3500 €

Dosiahnuté výsledky:
V uvedenom období sme pomocou numerických simulácii na báze ray-tracing vypracovali úplný "prehľadový atlas" parametrického priestoru kanálikového monochromátora. Na základe týchto simulácii vieme priamočiaro navrhnúť najvhodnejší kanálikový monochromátor pre daný typ aplikácie. Prvý prototyp monochromátora navrhnutého pomocou našich numerických simulácií bol realizovaný v spolupráci s firmou Integra TDS.

11.) 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: 875 €

Dosiahnuté výsledky:
Projekt začal až na konci roka 2016 a de facto prebehol iba kick-off meeting, na ktorom sme sa zúčastnili.

Programy: CERN/MŠ

12.) 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:	4 - Švajčiarsko: 2, Slovensko: 2
Čerpané financie:	MŠ SR: 2500 €

Dosiahnuté výsledky:
V roku 2016 na OJF FÚ SAV pokračovala analýza experimentálnych dát z prvého merania v rámci experimentu IS521 na komplexe ISOLDE v CERN. Boli opublikované články ohľadne konštrukcie spektrometra TATAR a ohľadne unikátnych možností novej generácie HPGe detektorov, tzv. BEGe detektorov, ktorých vynikajúce rozlíšenie umožňuje použitie Rydberg-Ritzovej metódy na vyhodnocovanie nameraných spektier a zostavovanie schémy experimentálnych hladín a prechodov. V roku 2016 sa uskutočnilo ďalšie meranie v rámci experimentu IS521, počas ktorého boli pomocou spektrometra TATRA po prvýkrát zmerané konverzné elektróny a bolo dosiahnuté energetické rozlíšenie pod 2 keV, oveľa lepšie než v iných porovnateľných systémoch.
V roku 2016 tiež pokračovali prípravy na vykonanie experimentu IS581 pre štúdium štiepenia ťažkých rádioaktívnych zväzkov na budovanom komplexe HIE-ISOLDE s využitím aktívneho terča ACTAR. Celkovo boli publikované 3 články v CC časopisoch.

Programy: 7RP

13.) Simulátory a rozhrania s kvantovými systémami *(Simulators and Interfaces with Quantum Systems)*

Zodpovedný riešiteľ:	Vladimír Bužek
Trvanie projektu:	1.5.2013 / 30.4.2016
Evidenčné číslo projektu:	600645
Organizácia je koordinátorom projektu:	nie
Koordinátor:	Universitaet Ulm
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	

Podpora medzinárodnej spolupráce z národných zdrojov: 1400 €

Dosiahnuté výsledky:
V rámci projektu bola skúmaná dynamika previazanej (entanglovanej) štruktúry multipartitného

systému v rámci jeho disipačnej evolúcie, charakterizované procesy vedúce k špecifickej forme previazanosti výstupov a pripravený návod pre ich identifikáciu pomocou reťazenia špeciálnych lineárnych "máp" s previazanosť-anihilujúcimi operáciami. Aplikovateľnosť nášho prístupu bola ilustrovaná pomocou skúmania vplyvu lokálnych a globálnych depolarizačných šumov na všeobecné viac-Qbitové stavy.

14.) Kvantové technológie pre Európu *(Quantum Technologies for Europe)*

Zodpovedný riešiteľ:	Mário Ziman
Trvanie projektu:	1.2.2013 / 31.1.2016
Evidenčné číslo projektu:	600788
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Fyzikálny ústav SAV
Počet spoluriešiteľských inštitúcií:	6 - Nemecko: 1, Španielsko: 1, Francúzsko: 1, Švajčiarsko: 1, Taliansko: 1, Švédsko: 1
Čerpané financie:	Podpora medzinárodnej spolupráce z národných zdrojov: 1583 €

Dosiahnuté výsledky:
Projekt sa podarilo úspešne ukončiť. Jedným z hlavných výsledkov aktivít projektu je naštartovanie realizácie myšlienky kvantového flagshipu ako jednej z hlavných priorít európskeho výskumného priestoru v najbližších 10 rokoch.

Programy: International Visegrad Found (IVF)

15.) Nanophotonics with metal – group-IV-semiconductor nanocomposites: From single nanoobjects to functional ensembles *(Nanophotonics with metal – group-IV-semiconductor nanocomposites: From single nanoobjects to functional ensembles)*

Zodpovedný riešiteľ:	Ivan Štich
Trvanie projektu:	1.10.2015 / 30.9.2018
Evidenčné číslo projektu:	-
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Fyzikálny ústav SAV
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	IVF: 25000 €

Dosiahnuté výsledky:
Cieľom projektu NaMSeN je štúdium a vylepšenie vlastností silne dopovaných polovodivých nanočastíc (SiGe dopovaný Si" B,P, atď.) pre fotonické aplikácie s hlavným cieľom zlepšiť nízku absorpciu a emisiu z dôvodu nepriamych prechodov. Vylepšenie vlastností sa navrhuje pomocou excitón-plasmonickej väzby, Purcellovho javu a aplikovanej deformácie. Našou úlohou v projekte je spočítanie optických gapov, kvázičastícových gapov a väzbových energií excitónov so sub-100meV (<5%) presnosťou použitím metód kvantového Monte carla (QMC). Cieľom je použitie QMC výsledkov na určenie/vylepšenie DFT funkcionálu tak, aby spĺňal požadovanú presnosť. QMC výpočty prevádzame na modelovom nanokryštáli, dopovanej (B, P) malej (36-Si, 42-H, 1-B, 1-P atóm) kryštalickej nanočastici. Výsledky sme porovnali s PBE, B3LYP, TPSS, PBé a X3LYP DFT funkcionálmi a zistili sme, že tieto generujú veľké chyby 0.6-1.3 eV, zatiaľ čo M06-2X, BMK a CAMB3LYP funkcionály generujú akceptovateľné chyby v rozsahu 0.06- 0.2 eV.

S0 a T1 výsledky sú kvalitatívne porovnateľné. V súčasnosti výsledky dopĺňame o nedopované nanočastice, ktoré poskytnú referenciu pre porovnanie s dopovanými nanočasticami. Výsledky chceme v krátkom čase zaslať do časopisu na publikovanie.
Ako súčasť projektu sme sa tiež zaoberali AFM mikroskópiou a vibračnými vlastnosťami viacvrstvového fosforénu pod vplyvom uni- a diagonálnej bi-axiálnej deformácie. Výsledky sme publikovali v prestížnych časopisoch Nano Letters a J. Appl. Phys.

Programy: Multilaterálne - iné

16.) Pokročilý výskum povrchov a povlakov pre nastupujúcu generáciu RTG difrakčnej optiky *(Surface engineering and advanced coatings for the next generation of X-ray diffractive optics)*

Zodpovedný riešiteľ:	Peter Šiffalovič
Trvanie projektu:	1.9.2013 / 31.8.2016
Evidenčné číslo projektu:	
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Fyzikálny ústav SAV
Počet spoluriešiteľských inštitúcií:	2 - Rakúsko: 2
Čerpané financie:	
	Podpora medzinárodnej spolupráce z národných zdrojov: 2625 €

Dosiahnuté výsledky:
Počas riešenia projektu sme vyvinuli metódu obrábania planárnych monokryštalických povrchov v priestorovo-obmedzených kanálikoch, čo otvára úplne nové možnosti pre potenciálnych odberateľov výsledkov projektu. Ukázali sme, že technológia nanoobrábania povrchu diamantovým nástrojom je vhodná aj pre tvarovanie povrchov RTG difrakčných prvkov. Na zvýšenie kvality povrchu je však nutné aplikovať metódy dodatočného leštenia. Pre analýzu povrchov a podpovrchového ovplyvnenia materiálu sme použili dostupné metódy Ramanovej mikro-spektroskopie, AFM mikroskopie, HR-TEM zobrazovania, dotykovej profilometrie a RTG topografie na synchrotrone. Metódou nanoobrábania sme v projekte vyrobili prototypy Ge monochromátorov vhodných na kompresiu ako aj zväčšovanie RTG lúčov. Numerické simulácie realizované v projekte umožňujú cielenú výrobu RTG monochromátorov s optimalizovanými parametrami. V rámci projektu sme taktiež realizovali pilotné experimenty, ktoré demonštrujú vysoký potenciál pre RTG zobrazovanie a SAXS/GISAXS aplikácie.

Programy: Bilaterálne - iné

17.) Pokročilé nanočasticové senzory plynov s vysokou citlivosťou pre ochranu životného prostredia, zdravotníctvo a detekcie výbušnín *(Advanced nanoparticle based resistive-optoplasmonic solid state chemical gas sensors with high sensitivity for environment protection, healts improvement and explosive detection)*

Zodpovedný riešiteľ:	Štefan Luby
Trvanie projektu:	1.1.2016 / 31.12.2018
Evidenčné číslo projektu:	
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Fyzikálny ústav SAV
Počet spoluriešiteľských	1 - Taliansko: 1

inštitúcií:
Čerpané financie: SAV: 1200 €

Dosiahnuté výsledky:
Vypracovala a publikovala sa interpretácia elektrickej vodivosti v súboroch pozostávajúcich zo zmesi gamma-Fe2O3 a Pd nanočastíc pomocou hopping procesu. Vysoká vodivosť súborov spôsobená prítomnosťou Pd umožňuje znížiť pracovné napätie senzorov plynov.
Zhotovili sa senzory vodíka a NO2 na báze niekoľkovrstvového grafénu dekorovaného Pd nanočasticami. Vzájomná komplementarita odpovede senzorov na prítomnosť redukujúceho resp. oxidujúceho plynu potvrdila, že grafén má p-typ vodivosti.
Pokročilo sa v komplexnej charakterizácii našich gamma-Fe2O3 nanočastíc zahrnujúcej ich transformáciu na ? fázu pomocou XRD a DSC, termogravimetriu odstraňovania surfaktantu, meranie magnetických vlastností pomocou SQUIDu a zloženia vrátane nečistôt pomocou XPS.
Pre spolupracovníkov v CNR Lecce sa pripravili nanočasticové súbory gamma- Fe2O3 obohatené časticami zlata na výskum povrchovej plazmónovej rezonancie v senzoroch.

18.) K nízkonákladovej vysoko účinnej organickej fotovoltike na báze polymérov s použitím grafénu a nanočastíc vzácnych kovov *(Towards low-cost and highly efficient polymer-based organic photovoltaics via Incorporation of graphene and noble metal nanoparticles)*

Zodpovedný riešiteľ: Eva Majková
Trvanie projektu: 1.10.2013 / 30.9.2016
Evidenčné číslo projektu: SAS - TUBITAK JRP 2013/6
Organizácia je koordinátorom projektu: nie
Koordinátor:
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: SAV MVTS: 20833 €

Dosiahnuté výsledky:
V uplynulom roku sme pristúpili k finalizácií plazmonického solárneho článku s transparentnou vodivou elektródou (TCO) na báze redukovaného grafén oxidu. V spolupráci s Tureckou stranou sme pomocou technológie layer-by-layer (LbL) naniesli multivrstvy grafén oxidu. Pre zvýšenie elektrickej vodivosti sme aplikovali vrstvu strieborných nanodrôtov pomocou rotačného nanášania. Na záver sme aplikovali termálnu redukciu TCO vrstvy. Na takto pripravenej TCO vrstve sme naniesli ďalšie vrstvy organického solárneho článku. Kľúčovým problémom takto pripraveného solárneho článku je malá adhézia nami pripravenej TCO vrstvy, ktorá spôsobuje rýchlu delamináciu aktívnej vrstvy organického solárneho článku. Navrhli sme však metódy na zvýšenie adhéziu takto pripravenej TCO vrstvy. Na záver môžeme konštatovať, že v rámci riešenia projektu sme zvládli prípravu plazmonického organického solárneho článku s TCO elektródou na báze redukovaného grafén oxidu dekorovaného striebornými nanodrôtmi, ako bolo plánované.

19.) Detekcia malých magnetických polí pomocou fyzikálne spracovaných rýchlochladených zliatin *(Physically processed rapidly quenched alloys for detection of low magnetic fields)*

Zodpovedný riešiteľ: Peter Švec
Trvanie projektu: 1.11.2013 / 31.10.2016
Evidenčné číslo projektu: SAS- TUBITAK JRP 2013 /1
Organizácia je koordinátorom projektu: áno
Koordinátor: Fyzikálny ústav SAV

Počet spoluriešiteľských inštitúcií:	1 - Turecko: 1
Čerpané financie:	Ú SAV: 20000 €

Dosiahnuté výsledky:
Pripravili sme materiály pre jadrá snímačov s vysokou permeabilitou a pomocou techniky vyvinutej u partnera projektu sme z nich vyrezali tenké toroidné vrstvy, z ktorých sme zložili jadrá miniaturizovaných snímačov. Vhodným teremomagnetickým spracovaním sme optimalizovali tvar hysteréznych sľučiek a odstránili vnútorné pnutia. Takto bolo možné pripraviť miniatúrne snímače s unikátne nízkym šumom 5 pT/sqrt(Hz) pri 1 Hz a citlivosťou vyššou ako 200 kV/T (J. Supercond. No. Mat., v tlači). Ďalšou optimalizáciou spracovania sme pripravili aj snímače s klasickym miniatúrnym jadrom s priemermi od 10 do 20 mm vinutým z pások použiteľných na snímanie malých magnetických polí v rozsahoch do 2 Oe s šumom menším ako 2 pT/sqrt(Hz) a citlivosťou viac ako 500 kV/T (Sensors and Actuators A, prijaté do tlače).
Získané poznatky sme využili pri vývoji snímačov pre nedeštruktívne testovanie stavu feromagnetických konštrukcií a štandardizácii metodiky (prednáška na konferencii APCOM 2016, tri prednášky na konferencii WCNDT).

Programy: ERANET

20.) Nové magnetické materiály na báze mangánu s výmennou interakciou *(New Exchange-Coupled Manganese-Based Magnetic Materials)*

Zodpovedný riešiteľ:	Peter Švec
Trvanie projektu:	1.10.2015 / 30.9.2018
Evidenčné číslo projektu:	291826
Organizácia je koordinátorom projektu:	nie
Koordinátor:	IMDEA Nanociencia, Madrid
Počet spoluriešiteľských inštitúcií:	2 - Nórsko: 2
Čerpané financie:	U SAV: 25000 €

Dosiahnuté výsledky:
Vyvinuli sme technológiu prípravy predzliatin a pripravili väčšiu sériu rýchlochladených pások Al_45Mn_55. Na základe štruktúrnej a termickej analýzy a in-situ rtg. difrakcie sme stanovili oblasti transformácií vhodné pre vznik feromagnetickej fázy tau. Vhodným parametrickým spracovaním sme získali takmer monofázovú štruktúru s vysokým energetickým súčinom BH ~1MGOe (prednáška a poster Janotová, Švec APCOM2016, poster na konf. ISMANAM 2016, článok Janotová et al., JALCOM v tlači). Stanovili sme aktivačnú energiu transformácie a získali sme prvé informácie o mikroštruktúre fázy tau potrebné pre stanovenie riadiaceho mechanizmu jej vzniku (prednáška Mihalkovič ICQ2016). Vzorky sme poskytli partnerom projektu na overenie možnosti ich kompaktovania a namagnetovania.

Programy: Iné

21.) Analýza tenzorových sietí pomocou renormalizačnej grupy v systémoch hyperbolickej/sférickej deformácie *(Renormalization group analysis by tensor network form of energy scale deformation)*

Zodpovedný riešiteľ:	Andrej Gendiar
Trvanie projektu:	1.4.2013 / 31.3.2017

Evidenčné číslo projektu:	25400401
Organizácia je koordinátorom projektu:	nie
Koordinátor:	Department of Physics, Faculty of Science, Kobe University, 657 8501 Kobe, Japan
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	

Dosiahnuté výsledky:
Analyzovali sme Kosterlitz-Thoulessove fázové prechody v šesťstavovom spinovom modeli na štvorcovej mriežke pomocou von Neumannovej entanglovanej entropie. Boli presne určené dva odlišné fázové prechody nekonenčného rádu, ktoré ohraničujú kritickú fázu pri nenulovej teplote. Rukopis tejto štúdie bol zaslaný na opublikovanie. Isingov model vykazuje spojitý fázový prechod, keď je umiestnený na fraktálnu mriežku, ktorej dimenzia je ln3/ln2. Získané kritické exponenty sa podstatne líšia od tých, ktoré sú známe pre tieto spinové modely na euklidovských mriežkach. Klasifikovali sme tiež päť odlišných fázových prechodov na multispinovom modeli, ktorého spinové priemety smerovali do 12 stien zrezaného štvorstena. Numericky, pomocou algoritmu Corner Transfer Matrix Renormalization Group, sme určili spojité aj nespojité fázové prechody v tomto modeli. Publikovali sme dva karentované články.

Programy: Horizont 2020

22.) Hybridný integrovaný klaster pre generovanie elektrickej energie vrátane obnoviteľných palív *(Hybrid Electric Energy Integrated Cluster concerning Renewable Fuels)*

Zodpovedný riešiteľ:	Peter Švec
Trvanie projektu:	1.6.2015 / 30.5.2018
Evidenčné číslo projektu:	665318
Organizácia je koordinátorom projektu:	nie
Koordinátor:	National Technical University of Athens
Počet spoluriešiteľských inštitúcií:	3 - Veľká Británia: 2, Taliansko: 1
Čerpané financie:	H2020: 58234 € Podpora medzinárodnej spolupráce z národných zdrojov: 4900 €

Dosiahnuté výsledky:
Pripravili sme vlastné kompakty katalyzátora ako predbežné vzorky do testovacích zariadení na meranie elektrického odporu v externom magnetickom poli. Overili sme štruktúru kompaktov vyrobených partnermi a jej vývoj pod vplyvom elektrického prúdu a pri zvýšených teplotách.
Podľa harmonogramu prác sme navrhli a skonštruovali komoru pre rtg. difraktometer na simultánne meranie elektrického odporu v prítomnosti externého magnetického poľa umožňujúcu merať zmeny štruktúry katalyzátora počas reakcie v inertnej atmosfére aj v prítomnosti vody. Výsledky získané na kompaktoch katalyzátora sme zaslali hlavnému riešiteľovi.

Projekty národných agentúr

Programy: VEGA

1.) Jadrové reakcie v aplikáciách a astrofyzike *(Nuclear reactions in applications and*

astrophysics)

Zodpovedný riešiteľ:	Emil Běták
Trvanie projektu:	1.1.2014 / 31.12.2017
Evidenčné číslo projektu:	2/0110/14
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Fyzikálny ústav SAV
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	VEGA: 3207 €

Dosiahnuté výsledky:
Vylepšenie výpočtu počiatočnej excitónovej konfigurácie v reakciách ťažkých iónov nízkych energií.
Modifikácia modelu klasterizácie v reakciách ťažlých iónov s uvážením spinových premenných.
Globálne konzekvencie niektorých nových poznatkov fyziky a astronómie.

Jeden článok zaslaný na recenziu a jeden článok prijatý na publikovanie (tlač v r. 2017).

2.) Vnútorné makroskopické sily - z čoho pochádzajú a ako ovplyvňujú magnetické vlastnosti vysokoindukčných kovových pások *(Intrinsic macroscopic forces - what are its sources and how it impacts magnetic properties of high-induction metallic ribbons)*

Zodpovedný riešiteľ:	Beata Butvinová
Trvanie projektu:	1.1.2015 / 31.12.2017
Evidenčné číslo projektu:	2/0037/15
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Fyzikálny ústav SAV
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	VEGA: 1839 €

Dosiahnuté výsledky:
Testovali sme limity dodatočného spracovania FeCuBSiP pások pripravených rýchlym ochladením taveniny s vysokým obsahom Fe. Magneticky mäkké vlastnosti sa zlepšujú už po žíhaní pri 420°C počas 30 minút (len začínajúca kryštalizácia) a mierne sa zlepšujú až do teplôt okolo 480°C, pričom nie sú ovplyvnené žíhacou atmosférou. Pri teplote 530°C už dochádza k formovaniu boridov a následne k zhoršovaniu magneticky mäkkých vlastností. Na rozdiel od podobných nízko-kremíkových Finemetov tieto materiály žíhané v technickom Ar pod horným limitom teplôt nevytvárajú povrchy, ktoré pôsobia na hlbšie ležiaci „objem“ pások významnou silou.
Publikácie: 2 CC práce prijaté do tlače (JMMM, Acta Phys. Pol. A), 1 práca vyjdená koncom minulého roka (JEEC), 1 príspevok na medzinárodnej konferencii.

3.) Teoretický výskum ťažkých kvarkónií *(The theoretical investigation of heavy quarkonia)*

Zodpovedný riešiteľ:	Stanislav Dubnička
Trvanie projektu:	1.1.2013 / 31.12.2016
Evidenčné číslo projektu:	1/0158/13
Organizácia je	nie

koordinátorom projektu:	
Koordinátor:	Fakulta matematiky, fyziky a informatiky UK
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	VEGA: 8312 €

Dosiahnuté výsledky:
Dokázali sme, ako použiť existujúcu informácie o elektrických a magnetických nukleónových formfaktoroch, popísaných nami skonštruovaným unitárnym a analytickým (U&A) modelom elektromagnetickej štruktúry nukleónov v času podobnej a priestoru podobnej oblasti súčasne, aby sme získali po prvý krát číselné hodnoty f_F, f_D a f_S v SU(3) invariantnom interakčnom Lagranžiáne nonetu vektorových mezónov s 1/2+ oktetovými baryónmi, ktoré sú východzími prvkami pri čisto teoretických predpovediach správania sa elektromagnetických formfaktorov 1/2+ oktetu hyperónov v priestoru a času podobných oblastiach.

Rozpracovali sme úplne riešiteľný matematický model nájdenia explicitného tvaru piónového skalárneho formfaktora v pružnej oblasti, v rámci ktorého sme modelovo-nezávislým spôsobom dokázali existenciu dlhodobo diskutovanej (od r. 1974) častice f_0(500) skalárneho mezónu (exotická častica), a navyše, určili sme jej hmotnosť a totálnu šírku rozpadu, zhodné so svetovo uznávanými parametrami skupín fyzikov v Berne a nezávisle v Madride.

Výsledky boli publikované v 8 prácach, z toho 4 v CC časopise a 4 v konferenčných zborníkoch.

4.) Kvantové zmiešavanie stavov častíc v externých magnetických poliach *(Quantum Superposition of Particle States in External Magnetic Fields)*

Zodpovedný riešiteľ:	Peter Filip
Trvanie projektu:	1.1.2014 / 31.12.2016
Evidenčné číslo projektu:	2/0197/14
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Fyzikálny ústav SAV
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	VEGA: 3537 €

Dosiahnuté výsledky:
Bol kvalitatívne odhadnutý vplyv extrémnych magnetických polí, vznikajúcich v relativistických zrážkach protónov a jadier, na "produkciu" vektorových stavov Kvarkónia J/Psi a Upsilon v spojitosti s produkciou pseudoskalárnych stavov Eta-Kvarkónia. Formalizmus kvantového zmiešavania ortogonálnych stavov Pozitrónia a Kvarkónia v magnetickom poli bol aplikovaný pre matematický popis vlastných stavov neutrálnych Kaónov v hmotnom prostredí s nenulovou baryónovou hustotou. Diagonalizáciou nehermitovského Hamiltoniánu sme odhadli modifikovanú oscilačnú dĺžku pre neutrálne Kaóny v hmotnom médiu regenerátora aj v hustej jadrovej hmote. Navrhli sme vysvetlenie 20-násobnej nadprodukcie Xi-(ssd) hyperónov (experimentálne pozorovanej v interakciách p+Nb a Ar+KCl na experimente HADES/GSI) ako možný dôsledok rýchlej oscilácie K0* --> antiK0* v hustej baryónovej hmote. Tiež sme navrhli experimentálne zmerať modifikáciu oscilačnej dĺžky neutrálnych kaónov v hmotnom médiu regenerátora pri pevnom terči na urýchľovačoch SPS a LHC v európskom stredisku CERN.
Výsledky boli prezentované na dvoch významných medzinárodných konferenciách (ICHEP2016 a SQM 2016), na medzinárodnom workshope (UCLA), na konferencii vo Viedni, a na domácej konferencii s medzinárodnou účasťou, v Tatrách.

V spolupráci s pracovníkmi z LTF/ SÚJV boli analyzované experimentálne zmerané rozdelenia di-mezónov (PiPi, KK) v invariantnej hmotnosti pre rozpady Kvarkóniových stavov J/Psi --> Phi+(PiPi, KK) a V* --> V+PiPi (kde V = J/Psi[cc'] alebo Upsilon[bb']). Bolo získané takmer nulové pozadie pre PiPi rozptyl v skalárnom a izoskalárnom kanáli, čím bola potvrdená správna reprezentácia rezonančných stavov f0(500) a f0(1500) ako aj vnútorná štruktúra stavov f0(980), f0(1370) a f0(1710). Skúmali sme aj interferenčné javy v PiPi rozptyle, a výsledky boli prezentované na 3 medzinárodných konferenciách: MESON 2016, HISS 2016 a ISHEPP XXIII.
Vplyv externého poľa na kvantový systém bol analytickými metódami skúmaný v lineárnom O(N) modeli s nenulovým chemickým potenciálom. Predpokladajúc časovú závislosť interakčného člena, hmotnosti aj frekvencie, sme študovali kvartický oscilátor neporuchovými analytickými metódami. Bol sformulovaný výsledok, v ktorom anharmonická časť je reprezentovaná nekonečným radom zobecnených hermitovských funkcií.

5.) Optimalizácia silnokorelovaných kvantových systémov pomocou tenzorových súčinových stavov *(Optimization of strongly-correlated quantum-mechanical systems by tensor product states)*

Zodpovedný riešiteľ:	Andrej Gendiar
Trvanie projektu:	1.1.2015 / 31.12.2017
Evidenčné číslo projektu:	2/0130/15
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Fyzikálny ústav SAV
Počet spoluriešiteľských inštitúcií:	3 - Rakúsko: 1, Česko: 1, Poľsko: 1
Čerpané financie:	VEGA: 9433 €

Dosiahnuté výsledky:
Intenzívne sme skúmali pôvod rozličných typov fázových prechodov v nízkorozmerných kvantových a klasických multistavových spinových systémoch na neeuklidovských geometriách. Pre tento účel bolo potrebné modifikovať numerické algoritmy, resp. navrhnúť nové, aby sme mohli klasifikovať triedy univerzality týchto špecifických fázových prechodov. Všetky tieto algoritmy majú spoločné dve vlastnosti, ktorými sú tenzorové siete a renormalizácia v reálnom priestore. Konkrétne, aplikovali sme nasledujúce numerické metódy: Tensor Product Variational Formulation, Corner Transfer Tensor Renormalization, Higher-Order Tensor Renormalization Group, Density Matrix Renormalization Group (DMRG). Následne sme mohli úspešne pozorovať a analyzovať nové typy fázových prechodov na fraktáloch a na hyperbolicky zakrivených mriežkových geometriách (včítane špeciálnych typov prechodov s neuniverzálnym správaním). Opublikovali sme 6 karentovaných článkov (4x Phys. Rev. E, Eur. 1x Phys. Lett., 1x J. Phys. A), jednu kapitolu v knihe (Ed. American Chemical Society) a ďalšie 2 rukopisy sú v recenznom konaní časopisu Phys. Rev. E. Navyše, iniciovali sme novú spoluprácu s vedeckou inštitúciou RIKEN v Tokiu. Cieľom je presná analýza komplexných kvantových systémov pomocou DMRG. Skúmajú sa tzv. Majorana fermióny, čo sú kvázičastice hranových stavov, na nízkorozmerných silnokorelovaných kvantových systémoch v supravodivom režime za prítomnosti spin-orbitálnej väzby, Zeemanovho efektu v prítomnosti rôznych magnetických polí a coulombovskej interakcie medzi spinovými fermiónmi.

6.) Jadrová astrofyzika pri nízkych energiách *(Low energy nuclear astrophysics)*

Zodpovedný riešiteľ:	Štefan Gmuca
Trvanie projektu:	1.1.2016 / 31.12.2019
Evidenčné číslo projektu:	VEGA 2/0176/16
Organizácia je koordinátorom projektu:	áno

Koordinátor:	Fyzikálny ústav SAV
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	VEGA: 6037 €

Dosiahnuté výsledky:
Bol vypracovaný kovariantný model funkcionálu hustoty jadrovej hmoty s lokalizovanými výmennými členmi. Tento prístup reprodukuje relativistický Hartree-Fock model s konštantnými väzbovými konštantami. Aproximácia je založená na priblížení sedlového bodu, ktorá umožňuje vyjadriť výmenne integrály v lokalizovanej forme. Výsledky ukazujú, že tento prístup je presný a oveľa jednoduchší, ako nelokálne Fockovské korelácie. Umožňuje dosiahnuť popis vlasnosti jadrovej hmoty len s parametrami pôvodného modelu, pričom významne zjednodušuje jeho komplikovanú nelokálnu štruktúru.

7.) Nanokompozitné tenké vrstvy – vlastnosti a použitie v senzorike *(Nanocomposite thin films – properties and applications in sensorics)*

Zodpovedný riešiteľ:	Katarína Gmucová
Trvanie projektu:	1.1.2013 / 31.12.2016
Evidenčné číslo projektu:	VEGA 2/0165/13
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Fyzikálny ústav SAV
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	VEGA: 4322 €

Dosiahnuté výsledky:
Bola študovaná elektrónová štruktúra rôznych materiálov, ktoré sa využívajú v organickej elektronike, fotovoltike a senzorike. Tenké filmy z plazmonických nanočastíc a organických polovodičov boli testované pre použitie v senzoroch s kombinovaným optickým a elektrochemickým vedením a detekciou signálu. Študovali sme aj prenos náboja na rozhraní plasmonická vrstva/roztok. Viacbodová analýza chrocoulometrických dát zaznamenaných pre rôzne potenciály bola využitá na určenie exponentu v generalizovanej Cottrellovej rovnici. Ukázali sme, že tento parameter redox reakcie je závislý na osvetlení plazmonickej elektródy a sekvencii odobratých vzoriek. Najvyššia citlivosť na ióny medi bola pozorovnaá pre osvetlenú ITO elektródu pokrytú zlatými plazmonickými nanočasticami a tenkou vrstvou P3HT.

Výsledky projektu publikované v 3 CC prácach.

8.) Vysoko kvalitné aktívne povrchy pre novú generáciu prvkov kryštálovej röntgenovej optiky *(High-quality active surfaces for the next generation of the crystal X-ray optics)*

Zodpovedný riešiteľ:	Matej Jergel
Trvanie projektu:	1.1.2015 / 31.12.2017
Evidenčné číslo projektu:	2/0004/15
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Fyzikálny ústav SAV
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	VEGA: 14081 €

Dosiahnuté výsledky:
Pokračovali sme vo vývoji technológie nanoobrábania v dvoch verziách jednobodového diamantového sústruženia ("single point diamond turning" a "fly cutting") na monokryštáloch Ge. Hlavným cieľom bolo odstránenie parazitnej povrchovej mriežky po deterministickom nanoobrábaní, ktorá spôsobuje difúzny rtg rozptyl aktívneho povrchu monochromátora. Testovali sme rôzne spôsoby randomizácie pracovného nástroja a chemického a chemomechanického leštenia s cieľom aplikovať ich pri finalizácii vnútorných stien kanálikových monochromátorov pre kompresiu a expanziu rtg zväzku. Najlepšie výsledky poskytlo chemické leštenie, ktoré však znižovalo planaritu povrchu asi o 1 rád. Začali sme tiež testovanie finalizácie nanoopracovaných povrchov iónovým leštením. Prvé výsledky ukázali ukázali pozitívny vplyv na zníženie lokálnej povrchovej drsnosti a tým potlačenie mriežky. Tento výskum bol vedený v spolupráci s firmou Integra TDS s.r.o. Piešťany.

Na základe dynamickej teórie rtg rozptylu a metódy "ray tracing" sme ako prví vykonali systematické výpočty parametrov výstupného rtg zväzku z monolitických kanálikových monochromátorov pre kompresiu a expanziu rtg zväzku s rôznym stupňom asymetrie. Navrhli sme monochromátory s optimalizovanou spektrálnou čistotou a optimalizovaným tokom fotónov. Pri príprave týchto monochromátorov budeme aplikovať výsledky z vývoja technológie deterministického nanoobrábania povrchov.

Testovali sme rôzne konfigurácie kanálikových monochromátorov s rôznym stupňom asymetrie v disperznej, nedisperznej a kvázidisperznej konfigurácii. Cieľom je minimalizovať šírku výstupného lúča a maximalizovať rozlíšenie v reciprokom priestore pre merania malouhlového rtg rozptylu s novou generáciou mikrofokusných rtg zdrojov. Ako najlepšie sa ukázali disperzná konfigurácia paralelných asymetrických kanálikových monochromátorov v kombinácii so štrbinou a disperzná konfigurácia V-tvarovaného kompresného a paralelného symetrického kanálikového monochromátora.

Publikácie: 2 CC články (WOS) a 9 príspevkov v zborníkoch konferencií

9.) Rastrovací nábojový tranzientový mikroskop na zobrazovanie a analýzu mäkkých vzoriek *(Scanning Charge-Transient Microscope for Imaging Soft Samples)*

Zodpovedný riešiteľ:	Štefan Lányi
Trvanie projektu:	1.1.2014 / 31.12.2016
Evidenčné číslo projektu:	2/0099/14
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Fyzikálny ústav SAV
Počet spoluriešiteľských inštitúcií:	1 - Slovensko: 1
Čerpané financie:	VEGA: 2355 €

Dosiahnuté výsledky:
V režime AFM ostrý hrot sondy s malým vrcholovým uhlom, výhodný pri zobrazovaní topografie, sa ukázal ako ľahko zraniteľný pri nábojovej tranzientovej analýze v kontaktnom režime. Zmenou technológie leptania sme uhol kuželovitej časti zväčšili z pôvodných cca. 5° na približne 60°. Zväčšenie rozptylovej kapacity v kontaktnom režime snímania tranzientov nevadí.

10.) Monitorovanie tepelno - vlhkostného režimu UNESCO pamiatky kostola sv. Jakuba v Levoči a národnej pamiatky katedrály sv. Martina v Bratislave *(Monitoring of the*

hygrothermal regime of the UNESCO object of St Jame's Church in Levoči and national herritage object St Martin's Cathedrale in Bratislava)

Zodpovedný riešiteľ:	Peter Matiašovský
Zodpovedný riešiteľ v organizácii SAV:	Ján Hudec
Trvanie projektu:	1.10.2016 / 31.12.2018
Evidenčné číslo projektu:	2/0105/16
Organizácia je koordinátorom projektu:	nie
Koordinátor:	
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	VEGA: 2143 €

Dosiahnuté výsledky:
Projekt začal na konci roka 2016, zatiaľ je bez publikačných výstupov.

11.) Nové stabilizované a štruktúrne usporiadané opticky a fotoelektricky aktívne organické materiály *(Novel stabilized and structurally ordered optically and photoelectrically active organic materials)*

Zodpovedný riešiteľ:	Vojtech Nádaždy
Trvanie projektu:	1.1.2015 / 31.12.2018
Evidenčné číslo projektu:	1/0501/15
Organizácia je koordinátorom projektu:	nie
Koordinátor:	Fakulta chemickej a potravinárskej technológie, STU v Bratislave
Počet spoluriešiteľských inštitúcií:	3 - Slovensko: 3
Čerpané financie:	VEGA: 3086 €

Dosiahnuté výsledky:
Ukázali sme vplyv dĺžky bočných alkylových reťazcov poly(3-alkylthiofénov) a podmienok prípravy na elektrónovú štruktúru (DOS) týchto vrstiev. Demonštrovali sme, že štruktúrne zmeny zmesi poly(3-alkylthiofén):derivát fulerénu vplyvom tepelného žíhania a detekovaný metódou XRD majú silný vplyv na DOS. Vyšetrovali sme degradáciu organického slnečného článku na báze poly(3-hexylthiofénu):derivátu fulerénu spôsobenú viacerými činiteľmi (okolitá atmosféra, vlhkosť a fotooxidácia). Experimenty ukázali, že pokles účinnosti slnečného článku je vo všetkých skúmaných prípadoch spôsobený hlavne poklesom fotoprúdu. Zistili sme, že pokles účinnosti je ovplyvnený najmä degradáciou zadného kovového kontaktu a jeho rozhrania s aktívnou vrstvou.

Výsledky boli publikované v 1 CC časopise a 2 zborníkoch z konferencií.

12.) Uväznenie a vlastnosti základného stavu v kvantovej chromodynamike a v riešiteľných modeloch *(Confinement and Properties of the Ground State in Quantum Chromodynamics and Solvable Models)*

Zodpovedný riešiteľ:	Štefan Olejník
Trvanie projektu:	1.1.2013 / 31.12.2016
Evidenčné číslo projektu:	2/0072/13
Organizácia je	áno

koordinátorom projektu:	
Koordinátor:	Fyzikálny ústav SAV
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	VEGA: 4716 €

Dosiahnuté výsledky:
V r. 2016 sme sa sústredili na zavŕšenie výskumu v nasledujúcich smeroch:

- vlnový funkcionál vákua Yangovej-Millsovej kalibračnej teórie v 3+1 rozmernom časopriestore pre realistické mriežkové konfigurácie polí,

- dvojdimenzionálne presne riešiteľné modely kvantovej teórie poľa s fermiónmi s nulovou hmotnosťou vo formulácii na svetelnom fronte.

V prvej oblasti sme nedosiahli výsledky vhodné na uverejnenie, v druhej sme publikovali jeden boli článok v odbornom časopise Few Body Systems.

13.) Výskum štruktúr čierneho kremíka

Zodpovedný riešiteľ:	Emil Pinčík
Trvanie projektu:	1.1.2015 / 31.12.2017
Evidenčné číslo projektu:	2/0076/15
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Fyzikálny ústav SAV
Počet spoluriešiteľských inštitúcií:	3 - Česko: 1, Nemecko: 1, Japonsko: 1
Čerpané financie:	VEGA: 4560 €

Dosiahnuté výsledky:
Pozornosť bola sústredená najmä na výskum vplyvu pasivačných HCN roztokov na štruktúru SiO2/Si, s cieľom zistiť o.i. aj dlhodobú časovú stabilitu vypasivovaných defektných stavov. Štruktúra SiO2/Si predstavuje jednu zo základných štruktúr solárnych článkov pripravených na báze kryštalického a polykryštalického kremíka s vyššou konverznou účinnosťou. Predbežné výsledky naznačujú, že proces pasivácie defektných stavov pomocou HCN nie je najoptimálnejším riešením, ak ho porovnávame napr. s termickou oxidáciou pri vyšších teplotách. V priebehu tohoto roku boli prijaté na publikovanie výsledky získané najmä pomocou FTIR a AFM na viacerých typoch HCN pasivovaných kremíkových štruktúr.

14.) Slabá náhodnosť v kvantových protokoloch *(Weak Randomness in Quantum Protocols)*

Zodpovedný riešiteľ:	Martin Plesch
Trvanie projektu:	1.1.2015 / 31.12.2018
Evidenčné číslo projektu:	2/0043/15
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Fyzikálny ústav SAV
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	VEGA: 2830 €

Dosiahnuté výsledky:
V rámci projektu sme študovali problematiku prípravy náhodnosti s pomocou prístrojovo nezávislých zariadení. Publikovali sme dva články jeden v NJP a druhý v PRA, jeden článok je zaslaný na publikovanie a dva ďalšie články sú v príprave.

15.) Kvantové kráčania a nekompatibilnosť *(Quantum walks and incompatibility)*

Zodpovedný riešiteľ:	Daniel Reitzner
Trvanie projektu:	1.1.2015 / 31.12.2017
Evidenčné číslo projektu:	2/0151/15
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Fyzikálny ústav SAV
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	VEGA: 9433 €

Dosiahnuté výsledky:
V rámci projektu sme primárne pokročili v oblasti kvantovej nekompatibility, kde sme opublikovali jednu prácu definujúcu novú klasifikáciu nekompatibility meraní. Táto charakterizácia zahŕňa predošlé definície, pričom poukazuje na jej netriviálnosť už pri jednoduchom modeli meraní na qubite. Výsledky projektu boli prezentované na štyroch konferenciách.

16.) Výskum vplyvu vodivostných prúdov polovodičových štruktúr na DLTS *(Study the effect of leakage currents on the DLTS spectra)*

Zodpovedný riešiteľ:	Jaroslav Rusnák
Trvanie projektu:	1.1.2014 / 31.12.2016
Evidenčné číslo projektu:	2/0155/14
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Fyzikálny ústav SAV
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	VEGA: 977 €

Dosiahnuté výsledky:
Bola navrhnutá metodika vylúčenia chyby pri kompenzácii zvodových prúdov polovodičových štruktúr v DLTS meraniach na vyvíjanom meracom systéme.
Výsledky boli prezentované na konferencii ALER 2016 formou prednášky a príspevkom v zborníku: J. Rusnák, Error correction of control circuits for leakage-current balancing of semiconductor structures in DLTS measurements, taktiež vyšla 1 CC publikácia.

17.) Štatistická fyzika priestorovo ohraničených systémov

Zodpovedný riešiteľ:	Ladislav Šamaj
Trvanie projektu:	1.1.2015 / 31.12.2017
Evidenčné číslo projektu:	2/0015/15
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Fyzikálny ústav SAV
Počet spoluriešiteľských	0

inštitúcií:
Čerpané financie: VEGA: 7074 €

Dosiahnuté výsledky:
V rámci stredne-poľovej Poisson=Boltzmannovej teórie bola odvodená kompletná termodynamika iónov vo vnútri nabitej gule. Pre dvojrozmerné binárne zmesy coulombovských častíc bol dokázaný základný stav, ktorý spočíva v separácii čistých a zmiešaných Wignerovych štruktúr. Pre asymetricky nabité Wignerove dvojvrstvy bola ukázaná, analyticky ako aj numericky, bohatá polymorfická štruktúra. Kritické vlastnosti 8-vertexového modelu v poli boli získané numericky metódou renormalizácie matice hustoty. Výsledky boli uverejnené v 7 CC článkoch.

18.) Uväznené molekulárne systémy a ich dynamika v čiastočne zaplnených nanometrových póroch

Zodpovedný riešiteľ:	Ondrej Šauša
Trvanie projektu:	1.1.2014 / 31.12.2016
Evidenčné číslo projektu:	2/0164/14
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Fyzikálny ústav SAV
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	VEGA: 4716 €

Dosiahnuté výsledky:
U polárneho 1-propanolu v sklovitom stave uväzneného v SBA matrici nepozorujeme výraznejšie zmeny voľného objemu od stupňa zaplnenia pórov. Avšak pri vyšších teplotách sa voľnoobjemové charakteristiky značne líšia od charakteristík pre objemový alebo pre uväznený 1-propanol pri vysokom zaplnení pórov. Zo znižujúcim sa obsahom 1-propanolu v póroch matrice dochádza k systematickému posuvu teploty začiatku plató teplotnej závislosti dôb života ortopozitrónia t3(T) k vyšším teplotám a pre plnenia k<0.25 aj k nárastu doby života nad hodnotu charakteristickú pre bulkový stav.

Pokračovalo štúdium vlastností kompozitov na báze PMMA s nanočasticami striebra a medi. Metóda prípravy takýchto materiálov iónovou implantáciou umožňuje modifikáciu fyzikálnych vlastností PMMA (vodivosť, optické vlastnosti apod.) v dôsledku zmeny štruktúry v polymérnom reťazci v podpovrchovej vrstve, kde sú lokalizované nanočastice a pri vyšších koncentráciách implantovaných iónov aj karbonizovaná vrstva s vyššou elektrickou vodivosťou. Z pohľadu uväznených systémov je takýto kompozit zaujímavý tým, že predstavuje pružnú matricu so subnanometrovými pórmi, kde možno skúmať proces zapĺňania pórov vhodnou kvapalinou pomocou difúzie kvapaliny cez modifikovanú vrstvu PMMA a získať tak informácie o jej vlastnostiach.

Nadviazala sa užšia spolupráca s pracoviskom Univerzity MCS v Poľsku, kde majú unikátne zariadenie na sledovanie parametrov pozitrónovej anihilácie v závislosti na tlaku a bol urobený spoločný experiment na sledovanie zmien mikroskopických voľných objemov v MMT pri sorbcií a desorbcií vody.

Skúmal sa vplyv množstva vody na vnútorný voľný objem v molekulách alfa, beta a gama cyklodextrínu, ktoré predstavujú dobre definované matrice pre štúdium uväznených systémov. Tieto voľné objemy v cyklodextríne, napriek tomu, že sa predpokladajú hydrofóbne, sa zmenšujú s množstvom vody, ktoré je v cyklodextríne nasorbované. Údaje tohto typu sú dôležité pri syntéze nových materiálov na báze cyklodextrínov (liečivá, biokompatibilné materály apod.). Vzhľadom na možné praktické dopady takéhoto výskumu, v tejto téme sa bude pokračovať.

Keďže naše pracovisko má veľké skúsenosti so štúdiom mikroskopických voľných objemov a

ich dynamiky pomocou pozitróniovej sondy, nadviazala sa spolupráca s TU vo Viedni (Institute of Applied Synthetic Chemistry) pre charakterizáciu voľnoobjemových vlastností fotopolymérov určených pre dentálne účely a 3D tlač. Urobili sa viaceré experimenty na charakterizáciu vlastností regulovaných dimetakrylátov. Bude sa ďalej pokračovať so štúdiom nových typov materiálov

Výsledky projektu boli opublikované v 4 CC prácach aj jedna práca publikovaná online DOI 10.1007/s11164-016-2637-1.

19.) Vzťah elektrónového transportu a štruktúry, rozmerov a usporiadania v nanočasticových súboroch pre pokročilé senzory plynov *(Electronic transport vs. structure, size and ordering in nanoparticle arrays for advanced gas sensors)*

Zodpovedný riešiteľ:	Peter Šiffalovič
Trvanie projektu:	1.1.2015 / 31.12.2017
Evidenčné číslo projektu:	2/0010/15
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Fyzikálny ústav SAV
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	VEGA: 9249 €

Dosiahnuté výsledky:
V uplynulom období sme zvýšili senzitivitu plynových senzorov na báze grafénových nanovrstiev pomocou dopovania NiFe2O4 nanočasticami. Dekorovanie grafénových nanovrstiev nanočasticami sa prejavilo zníženým merného odporu senzora, pričom typ jeho odozvy bol p-typu. Toto je možné vysvetliť chemisorpciou NO2 molekúl na nanočasticiach a následovný prenos náboja na grafénovú nanovrstvu. Týmto prístupom sme dokázali zvýšiť senzitivitu grafénovej nanovrstvy pre detekciu plynov pri izbovej teplote. Výroba takéhoto senzora je pomerne rýchla a nie je finančne náročná.

20.) Prvoprincípové počítačové modelovanie v nanotechnológiách *(First-principles computer modeling in nanotechmology)*

Zodpovedný riešiteľ:	Ivan Štich
Trvanie projektu:	1.1.2015 / 31.12.2017
Evidenčné číslo projektu:	2/0162/15
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Fyzikálny ústav SAV
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	VEGA: 14149 €

Dosiahnuté výsledky:
Zamerali najmä na štúdium fosforénu a to najmä: a) štúdiu vplyvu deformácie na vibračné a elektrónové vlastnosti vrstevnatého fosforénu, b) štúdiu elektrónových gapov.

a) V porovnaní s 3D materiálmi sú 2D materiály schopné znášať oveľa väčší strain (~10% v.s. ~1.5%). Strain má pritom veľký vplyv na elektronické a vibračné vlastnosti 2D materiálov. Ďalšia silná závislosť týchto vlastností je od hrúbky týchto materiálov, ktoré sa exfoliáciou prirodzene pripravujú v jedno až niekoľkovrstvových (FLP) formách. Jednou z možností ako experimentálne

určiť hrúbku FLP je z nízkofrekvečných "breathing" modov. Ďalšou komplikáciou s pôsobením strainu je, že tento je v 2D materiáloch mimoriadne nehomogénne rozdelený. Tu je Ramanova spektroskópia s vysokým rozlíšením primárnym nástrojom na štúdium vlastností fosforénu. Venovali sme sa preto štúdiu vibračných vlastností FLP pod vplyvom uni- a diagonalneho bi-axiálneho strainu vo FLP

Zistili sme, že vibračné módy veľmi selektívne reagujú na aplikovaný strain v nízko- aj vysoko-frekvenčnej oblasti. Predpokladáme, že tieto výsledky budú užitočné najmä ako vodítko pri interpretácii experimentálnych výsledkov.

b) Experimentálne merané gapy naznačujú, že experimentálny rozptyl je ~0.3 eV a najlepšie DFT metódy majú MAE ~0.5 eV. Ukazuje sa, že aj many-body GW-BSE metódy majú, veľmi podobné chyby a rozptyl. Spravili sme preto ultra presné výpočty metódami Kvantového Monte Carla s referenčnou presnosťou ~0.1 eV v 1-vrstvovom fosforéne. Finite-size scaling výpočty do veľkosti supercely 5x5 ukazujú, že optický gap fosforénu je 1.59 +/-0.05 eV. Tento unikátny výsledok mienime zaslať do vysoko impaktovaného časopisu.

Časť našej kapacity sme venovali aj AFM mikroskópii a tiež nabitým organomatelickým klastrom. Výsledky boli opublikované v 3 CC článkoch v prestížnych časopisoch ako Nano Letters, J. Appl. Phys a J. Chem. Phys.

21.) Nové kovové materiály s komplexnou štruktúrou a mimoriadnymi objemovými a povrchovými vlastnosťami

Zodpovedný riešiteľ:	Peter Švec
Trvanie projektu:	1.1.2014 / 31.12.2016
Evidenčné číslo projektu:	2/0189/14
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Fyzikálny ústav SAV
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	VEGA: 16035 €

Dosiahnuté výsledky:
V rámci riešenia sa podarilo vyvinúť tri nové typy magneticky mäkkých amorfných a nanokryštalických systémov na báze Fe-Co-Si-B a na báze Fe-Sn-B (Springer). Projekt významne prispel aj k objasneniu mechanizmov katalýzy vo vzťahu k atomárnej štruktúre povrchov komplexných intermetalík (ChemCatChem) a v interpretácii atomárnych usporiadaní v takýchto systémoch J. Chem- Phys.), k pochopeniu štruktúr a ich stability na atomárnej úrovni v komplexných kovových systémoch na báze Al, Al-Mg a Al-Si s vysokým obsahom Si a prímesami vybraných kovov a k pokroku v metodikách skúmania komplexných kovových materiálov (Phys. Rev. B, J. Phase Equilibria and Diff.). Preskúmali sme vplyv keramických nanočastíc (SiO2, TiO2 a Zr2) na mikroštruktúru, pohyblivosť rozhraní zŕn matrice a mechanické vlastnosti bezolovnatých spájok (J. of Electronic Materials).

22.)
Zákonitosti tvorby a termodynamická stabilita štruktúrne komplexných fáz v zliatinách na bá ze hliníka alebo zinku

Zodpovedný riešiteľ:	Peter Švec Jr.
Trvanie projektu:	1.1.2015 / 31.12.2017

Evidenčné číslo projektu:	1/0018/15
Organizácia je koordinátorom projektu:	nie
Koordinátor:	MTF STU
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	VEGA: 4131 €

Dosiahnuté výsledky:
Rýchlom ochladením taveniny sme pripravili a preskúmali zmeny štruktúry a vlastnosti v systéme Al-Ni-R (R je prvok vzácnych zemín, R=Sm, Gd, Ho) v širokom rozsahu teplôt od amorfného až po kvapalný stav. Pozorované javy sme diskutovali a korelovali s predstavami o mikroheterogenitách na atomárnej škále (J. Magn. Magn. Mat.).
Podobným spôsobom sme analyzovali termofyzikálne štruktúrne závislé javy v systéme Sn-Zn. Výsledky z oblasti topenia a tuhnutia a v roztavenom stave naznačujú prítomnosť mikrooblastí s usporiadaním na krátku vzdialenosť (pozvaná prednáška a článok v J Mater Sci: Mater. Electron.).

23.) Tvarová koexistencia v ťažkých atómových jadrách

Zodpovedný riešiteľ:	Martin Venhart
Trvanie projektu:	1.1.2014 / 31.12.2016
Evidenčné číslo projektu:	2/0121/14
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Fyzikálny ústav SAV
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	VEGA: 11319 €

Dosiahnuté výsledky:
Bola sfinalizovaná analýza dát z experimentov JR115 a S17 pri ktorých boli študované jadrá 177, 179Au. Bol identifikovaný nový izomérický stav v 179Au a pozorovaný rotačný pás v 177Au. Tieto dáta preukazujú významnú zmenu jadrovej štruktúry v ľahkých izotopoch ortuti.

Programy: APVV

24.) Kvantová informácia mnohočasticových systémov *(Quantum Information of Many Body Systems)*

Zodpovedný riešiteľ:	Vladimír Bužek
Trvanie projektu:	1.10.2013 / 30.9.2017
Evidenčné číslo projektu:	APVV-0808-12
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Fyzikálny ústav SAV
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	APVV: 20834 €

Dosiahnuté výsledky:
Výsledky projektu boli publikované v 11 článkoch a môžu byť zosumarizované do piatich tém:
WP1 Viaccčasticová kvantová teória informácie: Analyzovali sme útoky na protokol tzv.

Wiesnerových kvantových peňazí, ktorých bezpečnosť je založená na nemožnosti kvantového klonovania. Prvý útok je inšpirovaný Elitzur -Vaidmanovým bomb testing paradoxom a druhý útok využíva koncept protektívnych meraní. Zistili sme, že protokol kvantových peňazí je týmito útokmi prelomený v prípade používania štyroch stavov na kvantový bit. Ukázali sme, že zabezpečenie vyžaduje, aby po verifikácii bankovky bola táto bankovka nahradená novou. V prehľadovom článku o kvantovej nekompatibilite sme zaviedli spoločný matematický rámec pre štúdium tejto vlastnosti v ľubovoľných teóriách. Ukázali sme, že vzťahy neurčitosti, nemožnosť kvantového klonovania, či „error-distrurbance“ vzťahy sú iba rôznymi prejavmi fenoménu kvantovej nekompatibility.

WP2 Ako ovplyvňuje geometria mriežky korelácie mnohočasticových systémov: Numericky sme skúmali mnohočasticové modely usporiadané v neeuklidovských geometriách a skúmali sme vplyvy geometrie na termodynamické vlastnosti takýchto systémov. Pre viacstavový Pottsov model sme pomocou CTMRG algoritmu spočítali voľnú energiu pre hyperbolické 2D priestory. Identifikovali sme fázové prechody a ukázali sme, že na rozdiel od euklidovkej geometrie, v istých oblastiach sú tieto prechody spojite kontrolovateľné nastavovaním magnetického poľa na hraniciach mriežky. Pomocou TPVF algoritmu sme analyzovali kvantové modely XY, Heisenberg a transverzálny Ising v hyperbolických mriežkach. Spočítané základné stavvy
sú použité pri estimáciach zodpovedajúcich veličín pre Betheho mriežku. Ukázali sme, že hyperbolická geometria indukuje strednopoľové správanie týchto systémov. Ďalej sme analyzovali vzťahy medzi priestorovými vlastnosťami voľnej energie a polomerom Gassovskej krivosti. Na základe našich výpočtov sme vyslovili hypotézu, že voľná energia (prepočítaná na vrchol mriežky) je minimalizovaná iba pre Euklidovskú geometriu. Následne sme objavili, že voľná energia aj fázové teploty zohľadňujú mriežkovú geometriu a asymptoticky zohľadňujú Gausovsksú krivosť. Naše pozorovania
otvárajú nové možnosti pre AdS-CFT analógie. V ďalšej práci sme preskúmali vplyvy fraktálnej geometrie na fázové prechody v Isingovom modely. Ukázali sme, že kritické indexy sú rôzne od štvorcovej mriežky a pozorovali sme exponenciálny rozpad v spektre matice hustoty aj v týchto kritických bodoch. Fraktálna geometria zmenšuje mnohočasticové kvantové previazanie v systéme.

WP3 Zložitosť a simulácie mnohočasticových systémov: Trieda problémov QMA (Quantum Merlin Arthur) je kvantovým analógom NP problémov. Fyzikálne sú tieto úlohy úzko späté s hľadaním základných stavov kvantových systémov. My sme ukázali, že QMA riešenia sú verifikovateľné iba pomocou sekvenčných meraní na jednotlivých kvantových bitoch a bez použitia kvantovej pamäte, alebo viacqubitových operácií.

WP4 Kvantovo-informačný hardvér založený na 1D polovodičových systémoch: Pre periodicky riadené polia slabo-viazaných drôtov Rashba typu sme ukázali, že ich vieme nastaviť do režimu s netriviálnymi fázovými prechodmi ako sú topologické nevodiče, Weylove polokovy a bezdisperzné „zero-energy edge mode“ režimy. Pre systém kvantových bodiek v GaAs systéme sme skúmali a vysvetlili charakteristické tunelovacie a defázovacie časy.

WP5 Experimentálna implementácia mnohočasticových systémov: Experimentálne sme demonštrovali zosilnenie (a atenuáciu) sondovacieho signálu riadeného dvojhladinovým systémom v Landau-Zener-Stückelberg-Majorana režime. V experimente sme použili supravodivé qubity silno-naviazané k mikrovlnovej dutine. Obidva typy použitých flux qubitov (Jospephson junction qubit a phase-slip qubit) vykazujú „lasing“ v pracovných bodoch zosilnenia.

25.) Výskum štruktúry hadrónov a previerka Štandardného modelu presnejším vyhodnotením bežiacej väzbovej konštanty QED v M_Z a miónovej g-2 anomálie *(Study of hadron structure and the test of Standard Model with the more precise evaluation of QED running coupling constant at M_Z and the muon g-2 anomaly)*

Zodpovedný riešiteľ:	Stanislav Dubnička
Trvanie projektu:	1.10.2013 / 30.9.2017
Evidenčné číslo projektu:	APVV-0463-12
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Fyzikálny ústav SAV
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	APVV: 24168 €

Dosiahnuté výsledky:
Bola preskúmaná stabilnosť parametrizácie S-vlnovej izoskalárnej fázy pi-pi rozptylu v blízkosti nepružného prahu. Hodnoty parametrov f0(980) skalárneho mezónu sú kompatibilné s výsledkami disperzných analýz teoretických skupín z pracovísk BERN a MADRID/CRACOW.

Numerické hodnoty väzbových konštánt SU(3) invariantného Lagranžiánu silnej interakcie nonetu vektorových mezónov s oktetovými baryónmi a zobecnenie Unitárneho a Analytického modelu elektromagnetickej štruktúry nukleónov boli využité na prepdpovedanie veličín popisujúcich elektromagnetickú štruktúru oktetových hyperónov.

Bol skúmaný vzácny rozpad B-s -> phi l(+)l(-) pre l = mu, tau, kde boi vypočítané relevantné formfaktory v rámci kovariantného kvarkového modelu s infračerveným konfinmentom v celej oblasti prenesenej hybnosti. Tie boli následne použité na výpočet parametrov pre kaskádový rozpad B -> phi (-> K+K-)l(+)l(-).

Výsledky boli opublikované v 4 CC časopisoch a prezentované na medzinárodných konferenciách.

26.) Nanočasticové senzory pre plynné biomarkery chorôb *(Nanoparticles-based sensors of gaseous biomarkers of diseases)*

Zodpovedný riešiteľ:	Ján Ivančo
Trvanie projektu:	1.7.2015 / 28.6.2019
Evidenčné číslo projektu:	APVV-14-0891
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Fyzikálny ústav SAV
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	APVV: 42000 €

Dosiahnuté výsledky:
Demonštrácia kolosálnej transdukcie deformácia-elektrická vodivosť, ktorá bola pozorovaná u vrstiev ITO a analýza fyzikálneho mechanizmu.

Príprava senzora na báze nanočastíc gamma-Fe2O3 s demonštrovanou citlivosťou na pary acetónu s koncentráciou 500 ppb.

Zvýšenie stability gamma-Fe2O3 nanočastíc s pomocou dopovania Pd nanočasticami.

Impedančná charakterizácia nanočasticových vrstiev gamma-Fe2O3 dopovaných Pd nanočasticami; pozorovanie frekvenčnej závislosti charakteru vodivosti vrstvy.

Kontrola priemernej medzičasticovej vzdialenosti v usporiadaných nanočasticových vrstvách s pomocou syntézy vhodného surfaktantu.

Výsledky výskumu boli opublikované v 1 CC časopise, v 1 zahraničnom impaktovanom časopise, na vedeckých podujatiach (4) a v 1 knižnej publikácii.

27.) Analýza povrchových a objemových stavov s použitím metód na báze kapacitnej mikroskopie *(Surface and Bulk Defect States Analysis Using Capacitance Microscopy-Based Methods)*

Zodpovedný riešiteľ:	Štefan Lányi
Trvanie projektu:	1.1.2015 / 31.12.2016
Evidenčné číslo projektu:	SK-HU-2013-0031
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Fyzikálny ústav SAV
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	

Dosiahnuté výsledky:
Na partnerskom pracovisku sme uskutočnili modifikáciu experimentálneho zariadenia. Jeho využitie zatiaľ utrpelo tým, že z maďarskej strany projekt skončil v polovine roka a ďalší pobyt sa nemohol zrealizovať.

28.) Výskum technológie nanoobrábania pre aktívne povrchy novej generácie RTG optiky *(Research of the nanomachining technology for active surfaces of the new generation of the X-ray optics)*

Zodpovedný riešiteľ:	Eva Majková
Trvanie projektu:	1.7.2015 / 30.6.2018
Evidenčné číslo projektu:	APVV-14-0745
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Fyzikálny ústav SAV
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	APVV: 37500 €

Dosiahnuté výsledky:
Pokračovali sme v optimalizácii základných parametrov nanoobrábania metódami SPDT (single-point diamond turning) a FC (fly cutting) povrchov Ge s cieľom minimalizovať drsnosť povrchu na širokej frekvenčnej škále ako aj poškodenie kryštálovej mriežky pod povrchom. Dosiahli sme lokálnu drsnosť 0.3 nm a planaritu povrchu na úrovni 10^(-5) na dĺžkach rádovo mm, ktorá je stochastickými metódami naoobrábania nedosiahnuteľná. Analýzy TEM ukázali neporušenú kryštálovú mriežku bez dislokácií tesne pod povrchom. Súbežne sme začali vyvíjať efektívne postupy finalizácie povrchov po deterministickom nanoobrábaní metódami chemického a chemomechanického leštenia, zamerané na odstránenie povrchovej mriežky, ktorá je typická pre deterministické nanoobrábanie.

Boli vykonané simulácia tepelných deformácií pri nanoobrábaní kryštálovej rtg optiky a

preskúmaný vplyv gradientu teploty generovanej nástrojom pri nanoobrábaní na presnosť tvaru opracovaného povrchu. Za štandardných podmienok procesu prichádza k absolútnym nepresnostiam spôsobených dilatáciou nástroja na úrovni jednotiek nm, čo je podstatne menej ako sa pozoruje v reálnom procese. Preto príčiny väčších nepresností treba hľadať v iných sprievodných javov ako sú tuhosť mechanizmov zariadenia a presnosť dodržania predpísanej teploty zariadenia pracoviska s presnosťou na desatiny stupňa.

Použitím dynamickej teórie rtg difrakcie a metódy "ray tracing" sme ako prví systematicky mapovali závislosť rôznych parametrov výstupného rtg lúča pre monolitické kanálikové monochromátory pracujúce na rtg difrakcii Ge220 v závislosti od stupňa ich asymetrie a teda kompresie (expanzie) rtg zväzku. Na základe toho sme navrhli monochromátory s rovnakým kompresným pomerom optimalizované na potlačenie alfa2 zložky žiarenia GaKalfa resp. na maximálny tok fotónov, ktoré v súčasnosti pripravujeme v spolupráci s firmou Integra TDS s.r.o. Piešťany. Jedným z cieľov projektu je pilotná aplikácia metódy nanoobrábania FC na úpravu stien kanálika takýchto monochromátorov.

Dosiahnuté výsledky boli opublikované v 2 CC prácach a v 9 konferenčných príspevkoch.

29.) Výskum fyzikálnych vlastností a kinetiky formovania vrstiev čierneho kremíka *(Research of physical properties and growth kinetics of black silicon layers)*

Zodpovedný riešiteľ:	Emil Pinčík
Trvanie projektu:	1.7.2016 / 30.6.2019
Evidenčné číslo projektu:	APVV-15-0152
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Fyzikálny ústav SAV
Počet spoluriešiteľských inštitúcií:	4 - Česko: 1, Nemecko: 1, Japonsko: 1, Holandsko: 1
Čerpané financie:	APVV: 19243 €

Dosiahnuté výsledky:
Počas polroku riešenia úlohy boli vyšpecifikované základné rozdiely štrukturálnych a optických vlastností tzv. čierneho kremíka a porézneho kremíka pripraveného bez katalytickej vrstvy. Pre čierny kremík je napr. typický tzv. modrý posun maxím fotoluminiscenčných spektier so zmenou teploty vzorky z izbovej na teplotu blízku teplote kvapalného hélia. Tento jav je dávaný do súvisu so zmenou šírky zakázaného pásma skúmaných polovodičov, ktorú ovplyvňujú najmä nízkou teplotou indukované zmeny tvaru ich vodivostného a valenčného pásma. U porézneho kremíka nebol tento jav jednoznačne potvrdený. V kooperácii s ISIR Osaka University sme sa podieľali na príprave solárnych článkov na báze čierneho c-Si s konverznou účinnosťou nad 19%. Výsledky boli prezentované na viacerých zahraničných konferenciách a následne boli aj publikované.

30.) Prieskum kvantovy?ch sietí pomocou kvantovy?ch kráčaní *(Probing quantum networks with quantum walks)*

Zodpovedný riešiteľ:	Daniel Reitzner
Trvanie projektu:	1.1.2016 / 31.12.2017
Evidenčné číslo projektu:	SK-PT-2015-0029
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Fyzikálny ústav SAV

Počet spoluriešiteľských inštitúcií:	2 - Portugalsko: 2
Čerpané financie:	APVV: 2700 €

Dosiahnuté výsledky:
V rámci projektu sme rozbehli spoluprácu na témach projektu bez konkrétnych výstupov.

31.) Ekonomická príprava práškového hydridu horčíka z roztaveného horčíka *(Efficent preparation of powdered magnesium hydrid directly from the magnesium melt)*

Zodpovedný riešiteľ:	František Simančík
Zodpovedný riešiteľ v organizácii SAV:	Peter Švec
Trvanie projektu:	1.7.2015 / 30.6.2018
Evidenčné číslo projektu:	APVV-14-0934
Organizácia je koordinátorom projektu:	nie
Koordinátor:	
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	APVV: 33000 €

Dosiahnuté výsledky:
Výsledky získané pri štúdiu katalytických vlastností povrchov a objemov (Krajči, J. Catalysis, zaslané) a pri vývoji metód realistických simulácií komplexných zliatin (Krajčí et. al., Mihalkovič et al., prednášky na konferencii C-MAC Days 2016,) sme využili pri návrhu zliatin na báze Mg. Adaptovali sme časť komory na prípravu rýchlochladených materiálov na odlievanie reaktívnych materiálov. Experimentálne sme preskúmali stabilitu a proces dehydrogenácie komerčného prášku MgH2, identifikovali sme časovo-teplotné oblasti vzniku vodíka zo štruktúry MgH2, výsledky sme korelovali s požiadavkami na štruktúru zliatin bohatých na Mg, niektoré z nich sme preštudovali najmä prostredníctvom rtg. difrakcie (Kov. Mat.).

32.) 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: 5924 €

Dosiahnuté výsledky:
V prvom polroku riešenia projektu sme sa intenzívne zamerali na produkciu 2D nanovrstiev MoS2 s malou disperziou laterálneho rozmeru. Úspešne sme zvládli exofoliáciu 2D materiálu z objemových kryštálov ultrazvukovou agitáciou v roztoku vody a etanolu. Takto pripravené disperziu 2D materiálov boli ďalej centrifugované a jednotlivé frakcie boli podrobené systematickým štúdiám pomocou UV-VIS-NIR spektroskopie, RTG difrakcie, transmisnej a rastrovacej elektrónovej mikroskopie ako aj Ramanovej spektroskopie. Ukázali sme koreláciu medzi veľkosťou

exfoliovaného materiálu a parametrami odvodenými z hore uvedených charakterizačných techník. Cieľom doterajších štúdií bolo nájdenie najefektívnejšieho postupu exfoliácie vzhľadom na ďalšiu funkcionalizáciu proteínmi a biokompatibilitu. Ďalej sme navrhli spôsob funkcionalizáciu 2D nanovrstiev pomocou derivátov polyetylén glykolu (PEG), ktorý predstavuje vhodný linker pre ďalšiu biokonjugáciu.

33.) 2D-materiály a ich funkcionalizácia *(2D materials and their functionality)*

Zodpovedný riešiteľ:	Ivan Štich
Trvanie projektu:	7.1.2016 / 31.12.2019
Evidenčné číslo projektu:	APVV-15-0759
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Fyzikálny ústav SAV
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	APVV: 28644 €

Dosiahnuté výsledky:
Zamerali najmä na štúdium fosforénu a to najmä: a) štúdiu vplyvu deformácie na vibračné a elektrónové vlastnosti vrstevnatého fosforénu, b) štúdiu elektrónových gapov.

a) V porovnaní s 3D materiálmi sú 2D materiály schopné znášať oveľa väčší strain (~10% v.s. ~1.5%). Strain má pritom veľký vplyv na elektronické a vibračné vlastnosti 2D materiálov. Ďalšia silná závislosť týchto vlastností je od hrúbky týchto materiálov, ktoré sa exfoliáciou prirodzene pripravujú v jedno až niekoľkovrstvových (FLP) formách. Jednou z možností ako experimentálne určiť hrúbku FLP je z nízkofrekvečných "breathing" modov. Ďalšou komplikáciou s pôsobením strainu je, že tento je v 2D materiáloch mimoriadne nehomogénne rozdelený. Tu je Ramanova spektroskópia s vysokým rozlíšením primárnym nástrojom na štúdium vlastností fosforénu. Venovali sme sa preto štúdiu vibračných vlastností FLP pod vplyvom uni- a diagonalneho bi-axiálneho strainu vo FLP. Tieto výsledky boli publikované v J. Appl. Phys.

Zistili sme, že vibračné módy veľmi selektívne reagujú na aplikovaný strain v nízko- aj vysoko-frekvenčnej oblasti. Predpokladáme, že tieto výsledky budú užitočné najmä ako vodítko pri interpretácii experimentálnych výsledkov.

b) Experimentálne merané gapy naznačujú, že experimentálny rozptyl je ~0.3 eV a najlepšie DFT metódy majú MAE ~0.5 eV. Ukazuje sa, že aj many-body GW-BSE metódy majú, veľmi podobné chyby a rozptyl. Spravili sme preto ultra presné výpočty metódami Kvantového Monte Carla s referenčnou presnosťou ~0.1 eV v 1-vrstvovom fosforéne. Finite-size scaling výpočty do veľkosti supercely 5x5 ukazujú, že optický gap fosforénu je 1.59 +/-0.05 eV. Tento unikátny výsledok mienime zaslať do vysoko impaktovaného časopisu.

Časť našej kapacity sme venovali aj AFM mikroskópii a opublikovali sme prácu vo vysoko impaktovanom časopise Nano Letters.

34.) Lignín ako kompozitný komponent do fenolformaldehydových živíc a drevoplastu *(Lignin as Composite Component for Phenol - Formaldehyde Resins and Wood - Plactic Composite)*

Zodpovedný riešiteľ:	Ivan Štich
Trvanie projektu:	1.7.2016 / 30.6.2019

Evidenčné číslo projektu:	APVV - 15 - 0201
Organizácia je koordinátorom projektu:	nie
Koordinátor:	Medzinárodné laserové centrum
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	APVV: 3502 €

Dosiahnuté výsledky:
Lignín je jedným z najhojnejších polymérov v prírode, a preto hľadanie možností jeho depolymerizácie pre jeho použitie ako zdroja rôznych aromatických zložiek je predmetom intenzívneho štúdia. Našou úlohou v projekte je objasnenie niektorých katalytických procesov. Nakoľko sa projekt nachádza len v počiatočnom štádiu, zamerali sme sa najmä na testovanie presnosti dostupných DFT funkcionálov štúdiom niektorých vlastností dominantných monomérov lignínu: p-coumarylu, coniferylu and synapyl alcoholov. V súčasnosti sme v procese hľadania modelu, ktorý by s dostatočnou presnosťou popísal najdôležitejšiu beta-O-4 väzbu pre rôzne mechanizmy rozbitia väzby. Tieto výsledky po skompletovaní mienime odpublikovať v časopise chemického zamerania.

35.) Atomárna štruktúra a unikátne vlastnosti intermetalík, amorfných, nanokryštalických a komplexných kovových zliatín *(Atomic structure and exceptional properties of intermetallics, amorphous, nanocrystalline and complex metallic alloys)*

Zodpovedný riešiteľ:	Peter Švec
Trvanie projektu:	7.1.2016 / 31.12.2019
Evidenčné číslo projektu:	APVV-15-0621
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Fyzikálny ústav SAV
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	APVV: 17945 €

Dosiahnuté výsledky:
Preskúmali sme magnetoimpedanciu (MI) a magnetické vlastnosti jednovrstvových a dvojvrstvových rýchlochladených páskok typu FINEMET žíhaných v magnetickom poli. Ukázali sme, že MI v takýchto vzorkách závisí od hrúbky pásky a skin-efektu. So zvyšujúcou sa hrúbkou pásky klesá hodnota charakteristickej frekvencie maxima javu MI, čím je možné v aplikáciách vyberať optimalizovať hrúbku snímača magnetického poľa s ohľadom na pracovné frekvencie snímača. Najvyššie hodnoty zmien MI (viac ako 170%) a citlivosti (lepšej ako 65%/Oe) sa získali pri žíhaní v priečnom magnetickom poli, čo pripisujeme nárastu priečnej magnetickej permeability (JALLCOM).
Súvis hrúbky vzorky s magnetickými vlastnosťami sme preskúmali na tenkých vrstvách Fe-Co-Nb-B bohatých na Co pripravených naprašovaním. Pomocou kombinácie viacerých metód štruktúrnej analýzy a magnetickej charakterizácie sme kvantifikovali vzťah medzi vnútornými napätiami, magnetickou anizotropiou a termodynamickým stavom materiálu a zdokumentovali sme uhlovú závislosť koercivity od hrúbky vrstvy a stupňa kryštalinity (Mater. Res. Express).
Pokrok dosiahnutý pri príprave materiálov rýchlym ochladením taveniny v tvare pások s rôznou hrúbkou a rôznym počtom vrstiev a nové vlastnosti a javy v týchto materiáloch sme prezentovali na medzinárodných fórach (konferencia LAM-16, pozvaná prednáška, konferencia SCIT, pozvaná prednáška, publikácia Springer).
Detaily atomárnej štruktúry a unikátne vlastnosti objemov a povrchov intermetalík, amorfných,

nanokryštalických a komplexných kovových zliatin sme prezentovali vo viacerých príspevkoch na konferencii C-MAC Days 2016, ktorú sme v rámci riešenia projektu zorganizovali (tri prednášky, štyri postery).

36.) Progresívne nanokryštalické a amorfné materiály pre aplikáciu vo vybraných špičkových zariadeniach výkonovej elektroniky *(Progressive nanocrystalline and amorphous materials for application in selected high-power electronic devices.)*

Zodpovedný riešiteľ:	Peter Švec
Trvanie projektu:	1.10.2013 / 31.7.2016
Evidenčné číslo projektu:	APVV-0460-12
Organizácia je koordinátorom projektu:	nie
Koordinátor:	Elektrotechnický výskumný a projektový ústav a.s.
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	APVV: 15000 €

Dosiahnuté výsledky:
V rámci riešenia sme popri využití materiálu typu FINEMET vyvinuli dva nové typy nanokryštalických systémov - NANOMET a Fe-Sn-B, ktoré dosahujú nízke hodnoty koercivity a vysoké hodnoty magnetizácie v nasýtení. Materiály majú vysoký potenciál na priemyselné využitie. Vyvinuli sme nové metódy termomagnetického spracovania rýchlochladených magnetík, výsledky sme využili z ďalších projektoch medzinárodnej spolupráce (M-Era.Net). S ohľadom na potrebu delenia toroidných jadier sme vyvinuli nové metódy rezania, brúsenia a delenia magnetických obvodov z rýchlochladených pások pri kryoteplotách. Tieto metódy boli ďalej využité aj v iných riešených projektoch. Na zabezpečenie zachovania pôvodných magnetických vlastností sme využili aj poznatky o význame vplyvu povrchových pnutí na povrchoch pások, ktory nie je zanedbateľný najmä v prípadoch, keď je potrebné dosiahnutie kvalitných hysteréznych sľučiek a minimálnych hodnôt koercivity (Butvinová et al., J. of Magn. Magn. Mat., J. Electr. Eng.). Získané poznatky sme ďalej využili pri stanovení kalibračnej krivky magnetizácie feromagnetických konštrukčných prvkov používanej pre nedeštruktívne testovanie (IEEE Trans. Mag.).

37.) 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:	7.1.2016 / 30.6.2020
Evidenčné číslo projektu:	APVV-15-0049
Organizácia je koordinátorom projektu:	nie
Koordinátor:	
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	APVV: 10153 €

Dosiahnuté výsledky:
Preskúmali sme stabilitu, usporiadanie atómov na povrchoch a potenciálne katalytické vlastnosti na štruktúre fcc zlata, spravili sme počiatočné štúdie takéhoto povrchu vrátane povrchu s porózitou. Časť výsledkov sme prezentovali na konferencii C-MAC Days 2016, ktorú projekt

spoluorganizoval (M. Krajčí et al., prednáška).
Pripravili a čiastočne sme preskúmali systém Al-Si s vysokým obsahom Si (do 20 at.%) s prídavkami kovov (Fe, Co. Ni), v ktorom sa očakáva o.i. výskyt doteraz nepreskúmaných fáz komplexných intermetalík. Vzorky v tvare pások pripravených rýchlym ochladením taveniny sme tepelne spracovali na základe transformačných kriviek získaných pomocou DSC a DTA, štruktúru vznikajúcich fáz sme preskúmali pomocou rtg. a elektrónovej difrakcie a elektrónovej mikroskopie (TEM, HREM, STEM). Priebežné výsledky sme prezentovali v pozvanej prednáške na konferencii LAM-16 (P. Svec et al.).
V súlade s prvými simuláciami štruktúry systému Al-Si-(Fe/Co/Ni) v tuhom a kvapalnom stave sme sa pokúsili pripraviť vzorky z rôznych termodynamických stavoch žíhaním rýchlochladených pások a žíhaním vzoriek po roztavení pri rôznych teplotných režimoch ohrevu v oblasti taveniny následne ochladení konvenčnými rýchlosťami. S výhodou sme využili in-situ vysokoteplotný rtg. difraktometer na spolupracujúcom pracovisku na TSNU Kiev. Výsledky sme prezentovali na konferencii C-MAC Days 2016 (Roik, Zigo et al., poster).

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

Zodpovedný riešiteľ:	Peter Švec
Trvanie projektu:	7.1.2016 / 30.6.2020
Evidenčné číslo projektu:	APVV-15-0738
Organizácia je koordinátorom projektu:	nie
Koordinátor:	
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	APVV: 12408 €

Dosiahnuté výsledky:
Preskúmali sme štruktúru a stabilitu nanokryštalických fáz v systéme Al-Si-Ni po vysokoteplotnom spracovaní pri použití rôznych režimov ohrevu a ochladzovania s cieľom získania stavov s rôznou mierou metastability. Výsledky sme prezentovali na konferencii C-MAC Days 2016 (Zigo, Roik et al., poster). Pripravili sme viaceré rýchlochladené systémy na báze Ni-Si-B, spoločne s hlavným riešiteľom sme spravili prvé štúdie teplotnej a koróznej odolnosti. Na základe predbežného vyhodnotenia získaných dát naznačujúcich potrebu sledovania vývoja fáz pri vysokých teplotách sme začali adaptáciu in-situ rtg. komory na dosiahnutie teplôt vyšších ako 1200oC.

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

Zodpovedný riešiteľ:	Martin Venhart
Trvanie projektu:	1.7.2016 / 30.6.2020
Evidenčné číslo projektu:	APVV-15-0225
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Fyzikálny ústav SAV
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	APVV: 29343 €

Dosiahnuté výsledky:

Bol uvedený do prevádzky tandemový urýchľovač protónov a alfa častíc v detašovanom pracovisku v Piešťanoch. Boli vykonané testy veľmi vysokého napätia. Bol navrhnutý koncept terčov pre štúdium jadrových reakcií s nabitými časticami, ako aj koncept plynom plneného terča pre produkciu neutrónov.

40.) Kvantová teória grafov a sietí *(Quantum theory on graphs and networks)*

Zodpovedný riešiteľ:	Mário Ziman
Trvanie projektu:	1.7.2015 / 28.6.2019
Evidenčné číslo projektu:	APVV-14-0878
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Fyzikálny ústav SAV
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	APVV: 37465 €

Dosiahnuté výsledky:
Numerickými metódami sme dokázali hypotézu, že symetrický 8-vrcholový model v prítomnosti externých polí spadá do Isingovej triedy univerzality. Výnimkou sú dva špecifické prípady kombinácie vertikálnych a horizontálnych polí, v ktorých ide o slabú univerzalitu.

Zaviedli sme pojem indexu nekompatibility a "incompatibility stack", ktoré kvantifikuje viac-kópiovú nekompatibilitu. Dokázali sme štruktúrny teorém pre viackópiovú spoločnú pozorovateľnú pomocou ktorej sme dokázali realizačnú teorému pre existenciu všetkých abstraktných "incompatibility stack-ov" s troma vrcholmi.

Analyzovali sme fázový diagram diskrétneho analógu klasického Heisenbergovho modelu na štvorcovej sieti s feromagnetickou interakciou. Získaný fázový diagram pozostáva so 4 fáz, ktoré sú separované 5 fázovými prechodmi. V oblasti, v ktorej dominuje oktahedrálna anizotropia, sme pozorovali slabý fázový prechod prvého druhu.

Ďalším výsledkom je charakterizácia nutných a postačujúcich podmienok pre nekompatibilnosť kvantových testerov. Zaviedli sme kvantitatívnu mieru nekompatibility - robustnosť nekompatibility. Ukázali sme, že robustnosť je zdola ohraničená rozlíšiteľnosťou sekvencií interakcií realizovaných testerom a že maximálna robustnosť je dosiahnutá práve vtedy, keď sú tieto interakcie perfektne odlíšiteľné.

Výsledky dosiahnuté v projekte boli opublikované v 4 CC článkoch.

Programy: SASPRO

41.) Lokálne hamiltoniány v kvantovej zložitosti *(Local hamiltonians in quantum complexity)*

Zodpovedný riešiteľ:	Daniel Nagaj
Trvanie projektu:	1.9.2015 / 1.9.2018
Evidenčné číslo projektu:	1250/02/01
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Fyzikálny ústav SAV
Počet spoluriešiteľských	0

inštitúcií:
Čerpané financie: SASPRO: 39365 €

Dosiahnuté výsledky:
Čo nám príroda dovolí vypočítať a prečo sú niektoré fyzikálne úlohy výpočtovo náročné? Spájajúc otázky z fyziky a informatiky chceme objaviť a porozumieť novej fyzike a zložitosti lokálnych Hamiltonovských systémov. Práca na vývoji matematických opisov, základných hypotéz pre nové oblasti a efektívnych nástrojov bude rozdelená na tri oblasti: základné stavy a optimalizácia, zákony typu area law a aproximácie.

Prvým objektom nášho výskumu sú základné stavy a dynamika kvantových mnohočasticových systémov s lokálnymi interakciami. Budeme skúmať základné vlastnosti a štruktúru stavov týchto kvantových modelov. Cieľom je objasniť a porozumieť ich výpočtovej zložitosti, alebo ukázať, že sa predsa len tieto systémy dajú simulovať.

Náš druhý pohľad je na zákon o okraji (area law) pre základné stavy lokálnych Hamiltoniánov s medzerou v spektre. Ak tento zákon platí, miera previazania rastie ako veľkosť okraja (povrch = area) a nie objemu sledovanej oblasti. To motivuje ansatzy, ktoré sa dajú použiť v nových numerických výpočtoch. Na druhej strane nám to dovoľuje porozumieť, ako sa v takých systémoch vyvíjajú excitácie a prerozdeľujú korelácie. Náš konečný zámer je formulovať zákon o okraji pre všeobecné geometrie, a použiť ho ako výpočtový nástroj.

Treťou úlohou projektu je vystavať, alebo zrúcať motivácie a dôkazy pre kvantovú PCP domnienku (qPCP). Je to mocné tvrdenie o možných priblíženiach popisujúcich kvantové mnohočasticové systémy. Preskúmame, kedy lokálne priblíženia ničia bohatú štruktúru našich modelov. Zameriame sa hlavne na odkrytie zložitého správania sa previazania za prítomnosti šumu, a na možné lokálne testy overiteľných dôkazov (základných stavov) v kvantovej teórii zložitosti.

V prvom roku projektu sme spravili pokrok vo všetkých troch navrhovaných oblastiach. Objavili sme a zanalyzovali rodinu translačne invariantných spinových reťazcov s prekvapivými vlastnosťami previazania. Tieto modely majú vzťah ku klasickým výpočtovým modelom, a preto prinášajú nový uhol pohľadu na zákon o okraji. Ďalej sme formulovali nové otázky o translačne invariantnej verzii problému konzistencie lokálnych redukovaných matíc hustoty. Tretím výstupom je rozvoj teórie kvantových hodiniek pre výpočty a použitie techniky analýzy kvantových kráčaní na polynomiálne vylepšenie ohraničenia na presnosť pre QMA-úplnú úlohu Lokálny Hamiltonián. Nakoniec, ale nie bez významu, sme otvorili aj uzavreli mnohé neúspešné otázky (možnosť amplifikácie úspešnosti dôkazov pre triedu QMA(2), interaktívne dôkazy pre túto triedu, pomôcku na zníženie grafovej mohutnosti zapojenosti častíc do interakcií), vďaka čomu ideme do ďalších rokov projektu poučení a s novými nápadmi.

Výstupy projektu boli opublikované v dvoch CC časopisoch a dve práce "The pair-flip model: a very entangled spin chain" a "The Feynman-Kitaev computer's clock: idling, bias and gaps" boli zaslané na recenziu.

42.) Vývoj prostriedkov na simuláciu transportu spinu v rastrovacej tunelovej mikroskópii *(Development of Scanning Tunneling Microscopy Simulation Tools for Spin Transport)*

Zodpovedný riešiteľ: Krisztián Palotás
Trvanie projektu: 1.1.2016 / 31.12.2018
Evidenčné číslo projektu: 1239/02/01
Organizácia je koordinátorom projektu: áno

Koordinátor:	Fyzikálny ústav SAV
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	SASPRO: 44384 €

Dosiahnuté výsledky:
Práce na projekte prebiehajú podľa pôvodného harmonogramu. V rámci medzinárodnej spolupráce (Írsko, Čína, Poľsko, Kórea) sa spravila realizácia ľubovoľnej orientácie hrotu v BSKAN kóde a následne boli spravené a počítačové simulácie účinkov geometrie hrotu STM mikroskopu pre širokú škálu povrchových štruktúr. Rôznorodosť ultratenkých magnetických filmov, ktoré vykazujú komplexné magnetické usporiadanie (doménové steny, skyrmionové štruktúry) bola skúmaná v spolupráci s maďarskou skupinou za účelom štúdia následnej charakterizácie vektor-spinového transportu týchto povrchov. Teória kombinovanej elektródy a vektor-spinového transportu bola implementovaná v kóde 3D-WKB-STM, a navyše boli publikované prvé výsledky ohľadom kolineárnych magnetických povrchov.
Počas prvých 9 mesiacov riešenia projektu bolo publikovaných 5 vedeckých CC článkov s celkovým impakt faktorom 18,8., ďalšie tri vedecké články zaslané na recenziu, pripravila sa kapitola pre „Springer Proceedings in Physics“ a bolo prednesených 7 prednášok z nich 5 pozvaných, odoslali sa 2 konferenčné príspevky.

43.) Monoenergetické rýchle neutróny – výkonný nástroj pre jadrové a materiálové štúdie *(Monoenergetic fast neutrons: Powerful tool for nuclear and material studies)*

Zodpovedný riešiteľ:	Pareshkumar Manharbhai Prajapati
Trvanie projektu:	16.3.2015 / 16.3.2018
Evidenčné číslo projektu:	0098/01/01
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Fyzikálny ústav SAV
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	SASPRO: 43413 €

Dosiahnuté výsledky:
V tomto roku boli vykonané práce s inicializáciu urýchľovača typu Tandetron, využívaného na indukciu jadrovej reakcie 2D(d,n)3He za použitia plynného deutériového terča. Urýchľovačové laboratórium je budované na detašovanom pracovisku v Piešťanoch.

44.) Quantum Walks and Incompatibility *(Quantum Walks and Incompatibility)*

Zodpovedný riešiteľ:	Daniel Reitzner
Trvanie projektu:	7.4.2015 / 6.4.2018
Evidenčné číslo projektu:	0055/01/01
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Fyzikálny ústav SAV
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	SAV: 36022 € EC: 21152 €

Dosiahnuté výsledky:

V rámci projektu sme primárne pokročili v oblasti kvantovej nekompatibility, kde sme opublikovali dve práce.

V jednej sme definovali novú klasifikáciu nekompatibility meraní. Táto charakterizácia zahŕňa predošlé definície, pričom poukazuje na jej netriviálnosť už pri jednoduchom modeli meraní na qubite.

Druhá práca rozširuje aplikáciu kvantovej nekompatibility na nové kvantové zariadenia, ktorými sú merania na kanáloch (zmenách stavov).

Výsledky získané v tomto projekte boli tento rok prezentované na štyroch konferenciách a v rámci projektu boli vykonané aj dve pracovné výskumné cesty.

Príloha C
Publikačná činnosť organizácie (*generovaná z ARL*)

AAB Vedecké monografie vydané v domácich vydavateľstvách

AAB01 LUBY, Štefan. Nanosvet na dlani [Nanoworld in the palm of your hand]. Bratislava : VEDA, 2016. 178 s. ISBN 978-80-224-1548-4.

ABC Kapitoly vo vedeckých monografiách vydané v zahraničných vydavateľstvách

ABC01 ŠIFFALOVIČ, 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.

ADCA Vedecké práce v zahraničných karentovaných časopisoch – impaktovaných

ADCA01 ABELEV, B. - ADAMCZYK, L. - ADKINS, J.K. - AGAKISHIEV, G. - AGGARWAL, M.M. - FILIP, Peter. Near-side azimuthal and pseudorapidity correlations using neutral strange baryons and mesons in d+Au, Cu+Cu and Au+Au collisions at sqrt(sNN)=200GeV. In Physical Review C. Nuclear Physics, 2016, vol. 94, no. 1, 014910. (3.146 - IF2015). (2016 - Current Contents, WOS, SCOPUS). ISSN 2469-9985.

ADCA02 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-square=3.18 GeV. In Physical Review C. Nuclear Physics, 2016, vol. 94, no. 2, 025201. (3.146 - IF2015). (2016 - Current Contents, WOS, SCOPUS). ISSN 2469-9985.

ADCA03 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, 112302. (7.645 - IF2015). (2016 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

ADCA04 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+-/Zo at RHIC. In Physical Review Letters, 2016, vol. 116, no. 13, 132301. (7.645 - IF2015). (2016 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

ADCA05 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 fí meson in Au+Au collisions at SNN=200GeV. In Physical Review Letters, 2016, vol. 116, no. 6, 062301. (7.645 - IF2015). (2016 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

ADCA06 ADAMCZYK, L. - ADKINS, J.K. - AGAKISHIEV, G. - AGGARWAL, M.M. - AHAMMED, Z. - FILIP, Peter. Measurement of elliptic flow of light nuclei at sqrt(sNN)=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. (3.146 - IF2015). (2016 - Current Contents, WOS, SCOPUS). ISSN 2469-9985.

ADCA07 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. (3.146 - IF2015). (2016 - Current Contents, WOS, SCOPUS). ISSN 2469-9985.

ADCA08 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 sqrt(sNN)=200GeV. In Physics Letters B, 2016, vol. 760, p. 689-696. (4.787 - IF2015). (2016 - Current Contents, WOS, SCOPUS). ISSN 0370-2693.

ADCA09 ADAMCZYK, L. - ADKINS, J.K. - AGAKISHIEV, G. - AGGARWAL, M.M. - AHAMMED, Z. - FILIP, Peter. Probing parton dynamics of QCD matter with omega and fí production. In Physical Review C. Nuclear Physics, 2016, vol. 93, no. 2, 021903R. (3.146 - IF2015). (2016 - Current Contents, WOS, SCOPUS). ISSN 2469-9985.

ADCA10 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 SNN = 7.7-62.4 Gev. In Physical Review C. Nuclear Physics, 2016, vol. 93, no. 1, 014907. (3.146 - IF2015). (2016 - Current Contents, WOS, SCOPUS). ISSN 2469-9985.

ADCA11 ADAMCZYK, L. - ADKINS, J.K. - AGAKISHIEV, G. - AGGARWAL, M.M. - AHAMMED, Z. - FILIP, Peter. J/psi production at low transverse momentum in p+p and d+Au collisions at sqrt(sNN)=200GeV. In Physical Review C., 2016, vol. 93, no. 6, 064904. (3.146 - IF2015). (2016 - Current Contents, WOS, SCOPUS). ISSN 2469-9985.

ADCA12 ADAMUŠČIN, Cyril - BARTOŠ, Erik - DUBNIČKA, Stanislav - DUBNIČKOVÁ, A.Z. Numerical values of the fF, fD, and fS coupling constants in the SU(3) invariant interaction Lagrangian of the vector-meson nonet with 1/2+ octet baryons. In Physical Review C. Nuclear Physics, 2016, vol. 93, no. 5, 055208. (3.146 - IF2015). (2016 - Current Contents, WOS, SCOPUS). ISSN 2469-9985.

ADCA13 ANTLANGER, M. - KAHL, G. - MAZARS, M. - ŠAMAJ, Ladislav - TRIZAC, E. Rich polymorphic behavior of Wigner bilayers. In Physical Review Letters, 2016, vol. 117, no. 11, 118002. (7.645 - IF2015). (2016 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

ADCA14 ANZOLINI, C. - ANGEL, R.J. - MERLINI, M. - DERZSI, M. - TOKÁR, Kamil - MILANI, S. - KREBS, M.Y. - BRENKER, F.E. - NESTOLA, F. - HARRIS, J.W. Depth of formation of CaSiO3-walstromite included in super-deep diamonds. In Lithos, 2016, vol. 265, p. 138-147. (3.723 - IF2015). (2016 - Current Contents). ISSN 0024-4937.

ADCA15 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. (4.449 - IF2015). (2016 - Current Contents). ISSN 1463-9076.

ADCA16 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. (2.209 - IF2015). (2016 - Current Contents). ISSN 0953-8984.

ADCA17 COCKAYNE, E. - MIHALKOVIČ, Marek - HENLEY, Ch. L. Structure of periodic crystals in ultrathin films of Ba-Ti-O. In Physical Review B, 2016, vol. 93, no. 2, 020101R. (3.718 - IF2015). (2016 - Current Contents, WOS, SCOPUS). ISSN 1550-235X.

ADCA18 ČERNIČKOVÁ, I. - ĎURIŠKA, L. - PRIPUTEN, P. - JANIČKOVIČ, Dušan -

JANOVEC, J. Isothermal section of the Al-Pd-Co-phase diagram at 850 A degres delimited by homogeneity ranges of phases epsilon, U, and F. In Journal of Phase Equilibria and Diffusion, 2016, vol. 37, no. 3, p. 301-307. (0.784 - IF2015). (2016 - Current Contents). ISSN 1547-7037.

ADCA19 DANIŠKA, Michal - GENDIAR, Andrej. Analysis of quantum spin models on hyperbolic lattices and Bethe lattice. In Journal of Physics A, 2016, vol. 49, no. 14, 145003. (1.933 - IF2015). (2016 - Current Contents). ISSN 1751-8113.

ADCA20 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. (7.645 - IF2015). (2016 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

ADCA21 DENG, X.G. - MA, Y.G. - VESELSKÝ, Martin. Thermal and transport properties in central heavy-ion reactions around a few hundred MeV/nucleon. In Physical Review C., 2016, vol. 94, no. 4, 044622. (3.146 - IF2015). (2016 - Current Contents, WOS, SCOPUS). ISSN 2469-9985.

ADCA22 DUBNIČKA, Stanislav - DUBNIČKOVÁ, A.Z. - ISSADYKOV, A. - IVANOV, M.A. - LIPTAJ, Andrej - SAKHIYEV, S.K. Decay Bs -- fí l+l- in covariant quark model. In Physical Review D, 2016, vol. 93, no. 9, 094022. (2.252 - IF2015). (2016 - Current Contents). ISSN 1550-7998.

ADCA23 DUBNIČKA, Stanislav - DUBNIČKOVÁ, A.Z. - KAMIŃSKI, R. - LIPTAJ, Andrej. Pion scalar form factor with correct mass and width of scalar mesons fo(500) and fo(980). In Physical Review D, 2016, vol. 94, 054036. (2.252 - IF2015). (2016 - Current Contents). ISSN 1550-7998.

ADCA24 DUBNIČKA, Stanislav - DUBNIČKOVÁ, A.Z. - HABYL, N. - IVANOV, M.A. - LIPTAJ, Andrej - NURBAKOVA, G.S. Decay B---K*(---Kpí)l+l- in covariant quark model. In Few-Body Systems, 2016, vol. 57, no. 2, p. 121-143. (0.558 - IF2015). (2016 - Current Contents). ISSN 0177-7963.

ADCA25 FILO, J. - PUTALA, M. - GMUCOVÁ, Katarína - JAKABOVIC, J. - WEIS, M. Charge transport in 2,6-bis(5′-hexyl-2,2′-bithiophene-5-yl) naphthalene-based organic devices. In Synthetic Metals, 2016, vol. 211, p. 84-88. (2.299 - IF2015). (2016 - Current Contents). ISSN 0379-6779.

ADCA26 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, 206802. (7.645 - IF2015). (2016 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

ADCA27 GENZOR, Jozef - GENDIAR, Andrej - NISHINO, T. Phase transition of the Ising model on a fractal lattice. In Physical Review E, 2016, vol. 93, 012141. (2.252 - IF2015). (2016 - Current Contents). ISSN 2470-0045.

ADCA28 GONZÁLEZ-LEGARRETA, L. - ANDREJKA, František - MARCIN, Jozef - ŠVEC, Peter Jr. - VARGA, Marek - JANIČKOVIČ, Dušan - ŠVEC, Peter - ŠKORVÁNEK, Ivan. Magnetoimpedance effect in nanocrystalline Fe73.5Cu1Nb3Si13.5B9 single-layer and bilayer ribbons. In Journal of Alloys and Compounds, 2016, vol. 688, p. 94-100. (3.014 - IF2015). (2016 - Current Contents, WOS, SCOPUS). ISSN 0925-8388.

ADCA29 HEINOSAARI, T. - MIYADERA, T. - ZIMAN, Mário. An invitation to quantum incompatibility. In Journal of Physics A: Mathematical and Theoretical, 2016, vol. 49, 123001. (1.933 - IF2015). (2016 - Current Contents). ISSN 1751-8113.

ADCA30 HRISTOFOROU, E. - VOURNA, P. - KTENA, A. - ŠVEC, Peter. On the universality of the dependence of magnetic parameters on residual stresses in steels. In IEEE Transactions on Magnetics, 2016, vol. 52, no. 5, 6201106. (1.277 - IF2015).

(2016 - Current Contents). ISSN 0018-9464.

ADCA31 HSU, Ch.-H. - STAŇO, Peter - KLINOVAJA, J. - LOSS, D. Antiferromagnetic nuclear spin helix and topological superconductivity in C-13 nanotubes. In Physical Review B, 2015, vol. 92, no. 23, 235435. (3.736 - IF2014). (2015 - Current Contents, WOS, SCOPUS). ISSN 1550-235X.

ADCA32 IVANČO, Ján - HALAHOVETS, Yuriy - VÉGSO, Karol - KLAČKOVÁ, I. - KOTLÁR, Mário - KOSTIUK, Dmytro - VOJTKO, Andrej - MIČUŠÍK, Matej - JERGEL, Matej - MAJKOVÁ, Eva. Colossal strain-resistance transduction of indium oxide films. In Thin Solid Films, 2016, vol. 616, p. 27-33. (1.761 - IF2015). (2016 - Current Contents). ISSN 0040-6090.

ADCA33 JANKOVIČ, Ľuboš - VÉGSO, Karol - ŠIFFALOVIČ, Peter - ŠAUŠA, Ondrej - ČAPLOVIČ, Ľubomír - ČAPLOVIČOVÁ, Mária - MEDLÍN, Rostislav - UHLÍK, Peter - NÓGELLOVÁ, Zuzana. XRD, SAXS, and PALS investigations of three different polymers reinforced with tetraoctylammonium exchanged montmorillonite. In International Journal of Polymer Analysis and Characterization, 2016, vol. 21, no. 6, p. 524-536. (1.515 - IF2015). (2016 - Current Contents). ISSN 1023-666X.

ADCA34 KAISER, Michal - NÁDAŽDY, Vojtech - ŠIFFALOVIČ, Peter - IVANČO, Ján - MAJKOVÁ, Eva. Correlation between electrical parameters and defect states of polythiophene: fullerene based solar cell. In Thin Solid Films, 2016, vol. 616, februar, p. 16-24. (1.761 - IF2015). (2016 - Current Contents). ISSN 0040-6090.

ADCA35 KALINAY, Pavol. Integral formula for the effective diffusion coefficient in two-dimensional channels. In Physical Review E, 2016, vol. 94, 012102. (2.252 - IF2015). (2016 - Current Contents). ISSN 2470-0045.

ADCA36 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. (1.785 - IF2015). (2016 - Current Contents, WOS, SCOPUS). ISSN 0378-4371.

ADCA37 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. (0.885 - IF2015). (2016 - Current Contents, WOS ; 2016 - Scopus). ISSN 0038-7010.

ADCA38 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, p. 7081-7092. (2.645 - IF2015). (2016 - Current Contents). ISSN 0040-4020.

ADCA39 KINOSHITA, Y. - TURANSKÝ, Robert - BRNDIAR, Ján - NAITOH, Y. - LI, Y.J. - KANTOROVICH, L. - SUGAWARA, Y. - ŠTICH, Ivan. Promoting atoms into delocalized long-living magnetically modified state using atomic force microscopy. In Nano Letters, 2016, vol. 16, no. 12, p. 7490-7494. (13.779 - IF2015). (2016 - Current Contents). ISSN 1530-6984.

ADCA40 KLINOVAJA, J. - STAŇO, Peter - LOSS, D. Topological floquet phases in driven coupled Rashba nanowires. In Physical Review Letters, 2016, vol. 116, no. 17, 176401. (7.645 - IF2015). (2016 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

ADCA41 KOSTIUK, Dmytro - BODIK, Michal - ŠIFFALOVIČ, 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. (2.395 - IF2015). (2016 - Current Contents). ISSN 0377-0486.

ADCA42 KRAJČÍ, Marián - HAFNER, J. Intermetallic compounds as selective heterogeneous

catalysts: insights from DFT. In ChemCatChem, 2016, vol. 8, no. 1, p. 34-48. (4.724 - IF2015). (2016 - Current Contents). ISSN 1867-3880.

ADCA43 KRAJČÍ, Marián - KAMEOKA, S. - TSAI, An-Pang. Twinning in fcc lattice creates low-coordinated catalytically active sites in porous gold. In Journal of Chemical Physics, 2016, vol. 145, 084703. (2.894 - IF2015). (2016 - Current Contents). ISSN 0021-9606.

ADCA44 KRČMÁR, Roman - GENDIAR, Andrej - NISHINO, T. Phase diagram of a truncated tetrahedral model. In Physical Review E, 2016, vol. 94, no. 2, 022134. (2.252 - IF2015). (2016 - Current Contents). ISSN 2470-0045.

ADCA45 KRČMÁR, Roman - ŠAMAJ, Ladislav. Critical properties of the eight-vertex model in a field. In Europhysics Letters, 2016, vol. 115, no. 5, 56001. (1.963 - IF2015). (2016 - Current Contents, WOS, SCOPUS). ISSN 0295-5075.

ADCA46 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. (1.242 - IF2015). (2016 - Current Contents). ISSN 0021-9983.

ADCA47 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. (3.146 - IF2015). (2016 - Current Contents, WOS, SCOPUS). ISSN 2469-9985.

ADCA48 LEE, Y. - VERSTRAETE, F. - GENDIAR, Andrej. Boundary-field-driven control of discontinuous phase transitions on hyperbolic lattices. In Physical Review E, 2016, vol. 94, no. 2, 022133. (2.252 - IF2015). (2016 - Current Contents). ISSN 2470-0045.

ADCA49 MALKOC, O. - STAŇO, 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, 235413. (3.718 - IF2015). (2016 - Current Contents, WOS, SCOPUS). ISSN 1550-235X.

ADCA50 MARTINOVIČ, Lubomír - GRANGÉ, P. Two-dimensional massless light front fields and solvable models. In Few-Body Systems, 2016, vol. 57, no. 7, p. 565-571. (0.558 - IF2015). (2016 - Current Contents). ISSN 0177-7963.

ADCA51 MATOUŠEK, Vladislav - SEDLÁK, Michal - VENHART, Martin - JANIČKOVIČ, Dušan - KLIMAN, Ján - PETRÍK, Kristián - ŠVEC, Peter Jr. - ŠVEC, Peter - VESELSKÝ, Martin. TATRA: a versatile high-vacuum tape stransportation system for decay studies at radioactive-ion beam facilities. In Nuclear Instruments and Methods in Physics Research A, 2016, vol. 812, p. 118-121. (1.200 - IF2015). (2016 - Current Contents). ISSN 0168-9002.

ADCA52 MIŠICÁK, R. - STŘÍTESKÝ, S. - VALA, M. - WEITER, M. - CIGÁŇ, M. - GMUCOVÁ, Katarína - VÉGSO, Karol - WEIS, M. - KOŽÍŠEK, J. - PAVÚK, M. - PUTALA, M. Effect of the ethynylene linker on the properties and carrier mobility of naphthalene derivates with hexylbithienyl arms. In Synthetic Metals, 2016, vol. 217, p. 156-171. (2.299 - IF2015). (2016 - Current Contents). ISSN 0379-6779.

ADCA53 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, 022326. (2.765 - IF2015). (2016 - Current Contents). ISSN 1050-2947.

ADCA54 MÜLLEROVÁ, J. - KAISER, Michal - NÁDAŽDY, Vojtech - ŠIFFALOVIČ, Peter - MAJKOVÁ, Eva. Optical absorption study of P3HT:PCBM blend photo-oxidation for bulk heterojunction solar cells. In Solar Energy, 2016, vol. 134, p. 294-301. (3.685 - IF2015). (2016 - Current Contents). ISSN 0038-092X.

ADCA55 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. (1.328 - IF2015). (2016 - Current Contents). ISSN 1533-7146.

ADCA56 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. (3.997 - IF2015). (2016 - Current Contents). ISSN 0261-3069.

ADCA57 PALOTÁS, Krisztián - MÁNDI, G. - SZUNYOGH, L. Enhancement of the spin transfer torque efficiency in magnetic STM junctions. In Physical Review B, 2016, vol. 94, no. 6, 064434. (3.718 - IF2015). (2016 - Current Contents, WOS, SCOPUS). ISSN 1550-235X.

ADCA58 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. (3.150 - IF2015). (2016 - Current Contents). ISSN 0169-4332.

ADCA59 PARK, J.-H. - YANG, G. - KLINOVAJA, J. - STAŇO, Peter - LOSS, D. Fractional boundary charges in quantum dot arrays with density modulation. In Physical Review B, 2016, vol. 94, no. 7, 075416. (3.718 - IF2015). (2016 - Current Contents, WOS, SCOPUS). ISSN 1550-235X.

ADCA60 PIVOLUSKA, M. - PLESCH, Martin. An explicit classical strategy for winning a CHSHq game. In New Journal of Physics, 2016, vol. 18, 025013. (3.570 - IF2015). (2016 - Current Contents, WOS, SCOPUS). ISSN 1367-2630.

ADCA61 PIVOLUSKA, Matej - PAWLOWSKI, M. - PLESCH, Martin. Tight bound on the classical value of generalized Clauser-Horne-Shimony-Holt games. In Physical Review A, 2016, vol. 94, no. 2, 022338. (2.765 - IF2015). (2016 - Current Contents). ISSN 1050-2947.

ADCA62 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. (0.784 - IF2015). (2016 - Current Contents). ISSN 1547-7037.

ADCA63 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. (3.146 - IF2015). (2016 - Current Contents, WOS, SCOPUS). ISSN 2469-9985.

ADCA64 SEDLÁK, Michal - REITZNER, Daniel - CHIRIBELLA, G. - ZIMAN, Mário. Incompatible measurements on quantum causal networks. In Physical Review A, 2016, vol. 93, no. 5, 052323. (2.765 - IF2015). (2016 - Current Contents). ISSN 1050-2947.

ADCA65 SEDLÁK, Michal - FIURÁŠEK, J. Generalized Hofmann quantum process fidelity bounds for quantum filters. In Physical Review A, 2016, vol. 93, no. 4, 042316. (2.765 - IF2015). (2016 - Current Contents). ISSN 1050-2947.

ADCA66 SERINA, M. - GENZOR, Jozef - LEE, Y. - GENDIAR, Andrej. Free-energy analysis of spin models on hyperbolic lattice geometries. In Physical Review E, 2016, vol. 93, no. 4, 042123. (2.252 - IF2015). (2016 - Current Contents). ISSN 2470-0045.

ADCA67 SCHAUER, F. - TKÁČ, L. - OŽVOLDOVÁ, M. - NÁDAŽDY, Vojtech - GMUCOVÁ, Katarína - VÉGSO, Karol - TKÁČOVÁ, M. - CHLPÍK, J. Electronic structure mapping of branching states in poly[(phenyl)silane] uppon exposure to UV radiation. In Journal of the Korean Physical Society, 2016, vol. 68, no. 4, p. 563-568. (0.445 - IF2015). (2016 - Current Contents). ISSN 0374-4884.

ADCA68 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. (3.120 - IF2015). (2016 - Current Contents). ISSN 0141-3910.

ADCA69 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. (2.357 - IF2015). (2016 - Current Contents, WOS, SCOPUS). ISSN 0304-8853.

ADCA70 ŠAMAJ, Ladislav - TRIZAC, E. Poisson-Bolzmann thermodynamics of counterions confined by curved hard walls. In Physical Review E, 2016, vol. 93, 012601. (2.252 - IF2015). (2016 - Current Contents). ISSN 2470-0045.

ADCA71 ŠAMAJ, Ladislav. Amplitude function of asymptotic correlations along charged wall in Coulomb fluids. In Journal of Statistical Physics, 2016, vol. 164, no. 2, p. 304-320. (1.537 - IF2015). (2016 - Current Contents). ISSN 0022-4715.

ADCA72 ŠAMAJ, Ladislav - DOS SANTOS, A.P. - LEVIN, Y. - TRIZAC, E. Mean-field beyond mean-field: the single particle view for moderately to strongly coupled charged fluids. In Soft Matter, 2016, vol. 12, no. 42, p. 8768-8773. (3.798 - IF2015). (2016 - Current Contents). ISSN 1744-683X.

ADCA73 ŠVAJDLENKOVÁ, Helena - ŠAUŠA, Ondrej - STEINDL, Johannes - KOCH, Thomas - GORSCHE, Christian. Microstructural PALS study of regulated dimethacrylates: Thiol-versus beta-allyl sulfone-based networks. In Journal of Polymer Science. Part B.Polymer Physics, 2016, vol. 54, p. 2476-2484. (3.318 - IF2015). (2016 - Current Contents). ISSN 0887-6266.

ADCA74 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, 064303. (2.894 - IF2015). (2016 - Current Contents). ISSN 0021-9606.

ADCA75 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. (2.101 - IF2015). (2016 - Current Contents). ISSN 0021-8979.

ADCA76 TRAVĚNEC, Igor - ŠAMAJ, Ladislav. Separation of Wigner structures for

two-dimensional equimolar binary mixtures of Coulomb particles. In Physical Review B, 2016, vol. 93, no. 10, 104110. (3.718 - IF2015). (2016 - Current Contents, WOS, SCOPUS). ISSN 1550-235X.

ADCA77 VAN BEVEREN, C. - ANDREYEV, A.N. - BARZAKH, A.E. - COCOLIOS, T.E. - DE GROOTE, R.P. - FEDOROV, D. - FEDOSSEEV, V.N. - FERRER, R. - GHYS, L. - HUYSE, M. - KOSTER, U. - LANE, J. - LIBERATI, V. - LYNCH, K.M. - MARSH, B.A. - MOLKANOV, P.L. - PROCTER, T.J. - RAPISARDA, E. - SANDHU, K. - SELIVERSTOV, M.D. - VAN DUPPEN, P. - VENHART, Martin - VESELSKÝ, Martin. Alpha-decay study Tl-182, Tl-184. In Journal of Physics G: Nuclear and Particle Physics, 2016, vol. 43, 025102. (2.448 - IF2015). (2016 - Current Contents). ISSN 0954-3899.

ADCA78 VÉGSO, Karol - JERGEL, Matej - ŠIFFALOVIČ, Peter - MAJKOVÁ, Eva - KORYTÁR, Dušan - ZÁPRAŽNÝ, Zdenko - MIKULÍK, P. - VAGOVIČ, Patrik. Towards high-flux X-ray beam compressing channel-cut monochromators. In Journal of Applied Crystallography, 2016, vol. 49, p. 1885-1892. (2.570 - IF2015). (2016 - Current Contents, SCOPUS). ISSN 0021-8898.

ADCA79 VÉGSO, Karol - JERGEL, Matej - KOTLÁR, Mário - HALAHOVETS, Yuriy - HODAS, Martin - PELLETTA, Marco - MAJKOVÁ, Eva. Real-time SAXS study of a strain gauge based on a self-assembled gold nanoparticle monolayer. In Sensors and Actuators A, 2016, vol. 241, p. 87-95. (2.201 - IF2015). (2016 - Current Contents). ISSN 0924-4247.

ADCA80 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. (3.146 - IF2015). (2016 - Current Contents, WOS, SCOPUS). ISSN 2469-9985.

ADCA81 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. (3.718 - IF2015). (2016 - Current Contents, WOS, SCOPUS). ISSN 1550-235X.

ADCA82 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, 165424. (3.718 - IF2015). (2016 - Current Contents, WOS, SCOPUS). ISSN 1550-235X.

ADCA83 YAKYMOVYCH, A. - PLEVACHUK, Yu. - ŠVEC, Peter - ŠVEC, Peter Jr. - JANIČKOVIČ, Dušan - ŠEBO, Pavol - BERONSKÁ, Naďa - ROSHANGHIAS, A. - IPSER, H. Morphology and shear strength of lead-free solder joints with Sn3.0Ag0.5Cu solder paste reinforced with ceramic nanoparticles. In Journal of Electronic Materials, 2016, vol. 45, no. 12, p. 6143-6149. (1.491 - IF2015). (2016 - Current Contents). ISSN 0361-5235.

ADCA84 YANG, G. - STAŇO, Peter - KLINOVAJA, J. - LOSS, D. Majorana bound states in magnetic skyrmions. In Physical Review B, 2016, vol. 93, no. 22, 224505. (3.718 - IF2015). (2016 - Current Contents, WOS, SCOPUS). ISSN 1550-235X.

ADCA85 YANG, G. - HSU, Ch.-H. - STAŇO, Peter - KLINOVAJA, J. - LOSS, D. Long-distance entanglement of spin qubits via quantum Hall edge states. In Physical Review B, 2016, vol. 93, no. 7, 075301. (3.718 - IF2015). (2016 - Current Contents, WOS, SCOPUS). ISSN 1550-235X.

ADDA Vedecké práce v domácich karentovaných časopisoch – impaktovaných

ADDA01 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. (0.365 - IF2015). (2016 - Current Contents). ISSN 0023-432X.

ADEA Vedecké práce v ostatných zahraničných časopisoch – impaktovaných

ADEA01 PINČÍK, Emil - KOBAYASHI, H. - BRUNNER, Róbert - IMAMURA, K. - MIKULA, M. - KUČERA, Michal - VOJTEK, P. - ZÁBUDLÁ, Z. - ŠVEC, Peter - GREGUŠ, J. - ŠVEC, Peter Jr.. Physical properties and light-related applications of black silicon structures. In Journal of Materials Science and Engineering B, 2016, vol. 6, no. 5-6, p. 144-152. (2.331 - IF2015). (2016 - Current Contents). ISSN 0921-5107.

ADEB Vedecké práce v ostatných zahraničných časopisoch – neimpaktovaných

ADEB01 BRUNNER, Róbert - PINČÍK, Emil - KUČERA, Michal - MIKULA, M. Photoluminescence investigation of thin film a-Si:H-based structures passivated in cyanide solution. In Journal of the Chinese Advanced Materials Society, 2016, vol. 4, no. 1, p. 62-69. ISSN 2224-3682.

ADEB02 CARMELI, C. - HEINOSAARI, T. - REITZNER, Daniel - SCHULTZ, J. - TOIGO, A. Quantum incompatibility in collective measurements. In Mathematics, 2016, vol. 4, no. 3, p. 54. ISSN 2227-7390.

ADEB03 PINČÍK, Emil - BRUNNER, Róbert - KOBAYASHI, H. - MIKULA, M. - VOJTEK, P. - GREGUŠ, J. - ZÁBUDLÁ, Z. - IMAMURA, K. - ŠVEC, Peter Jr.. The photoluminescence of multicolor silicon. In Journal of the Chinese Advanced Materials Society, 2016, vol. 4, no. 2, p. 158-171. ISSN 2224-3682.

ADFB Vedecké práce v ostatných domácich časopisoch – neimpaktovaných

ADFB01 KRALOVIČOVÁ, L. - ŠIMKOVÁ, I. - VLČKO, J. - DURMEKOVÁ, T. - BRČEK, M. - BOHÁČ, Vlastimil. Monitoring obsahu vody v masíve skalných obydlí v Brhlovciach na základe merania termofyzikálnych parametrov. In Acta Geologica Slovaca, 2014, roč. 6, č. 1, s. 41-50. ISSN 1338-0044.

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

ADMA01 GRAHN, T. - PAKARINEN, J. - JOKINIEMI, L. - ALBERS, M. - AURANEN, K. - BAUER, C. - BERNARDS, C. - BLAZHEV, A. - BUTLER, P.A. - BONIG, S. - DAMYANOVA, A. - DE COSTER, T. - DE WITTE, H. - ELSEVIERS, J. - GAFFNEY, L.P. - HUYSE, M. - HERZÁŇ, A. - JAKOBSSON, U. - JULIN, R. - KESTELOOT, N. - KONKI, J. - KROLL, Th. - LEWANDOWSKI, L. - MOSCHNER, K. - PEURA, P. - PFEIFFER, M. - RADECK, D. - RAHKILA, P. - RAPISARDA, E. - REITER, P. - REYNDERS, K. - RUDIGER, M. - SALSAC, M.-D. - SAMBI, S. - SCHECK, M. - SEIDLITZ, M. - SIEBECK, B. - STEINBACH, T. - STOLZE, S. - SUHONEN, J. - THOELE, P. - THURAUF, M. - WARR, N. - VAN DUPPEN, P. - VENHART, Martin - VERMEULEN, M.j. - WERNER, V. - VESELSKÝ, Martin - VOGT, A. - WRZOSEK-LIPSKA, K. - ZIELIŃSKA, M. Collective 2+1 excitations in Po-206 and Rn-208,210. In European Physical Journal A, 2016, vol. 52, no. 11, 340. (2.373 - IF2015). (2016 - Current Contents, WOS, SCOPUS). ISSN 1434-6001.

ADMA02 GUPTA, P. - TRIPATHI, Y. - KUMAR, D. - RAI, S.K. - GUPTA, M. - REDDY,

V.R. - ŠVEC, Peter. Effect of film thickness on the magneto-structural properties of ion beam sputtered transition metal-metalloid FeCoNbB/Si (100) alloy thin films. In Materials Research Express, 2016, vol. 3, no. 8, 086102. (0.968 - IF2015). (2016 - Current Contents). ISSN 2053-1591.

ADMA03 IVANČO, Ján - HALAHOVETS, Yuriy - VÉGSO, Karol - KLAČKOVÁ, I. - KOTLÁR, Mário - VOJTKO, Andrej - MIČUŠÍK, Matej - JERGEL, Matej - MAJKOVÁ, Eva. Cyclopean gauge factor of the strain-resistance transduction of indium oxide films. In IOP Conference Series: Materials Science and Engineering. - Bristol, UK : IOP Publishing, 2016, vol. 108, 012043. ISSN 1757-899x.

ADMA04 MOTYCAK, S. - RODIN, A.M. - NOVOSELOV, A.S. - PODSHIBYAKIN, A.V. - KRUPA, L. - BELOZEROV, A.V. - VEDENEYEV, V.Yu. - GULYAEV, A.V. - GULYAEVA, A.V. - KLIMAN, Ján - SALAMATIN, V.S. - STEPANTSOV, S.V. - CHERNYSHEVA, E.V. - YUCHIMCHUK, S.A. - KOMAROV, A.B. - KAMAS, D. A new beam diagnostic system for the MASHA setup. In Physics of Particles and Nuclei Letters, 2016, vol. 13, no. 5, p. 586-590. (0.420 - IF2015). (2016 - SCOPUS). ISSN 1547-4771.

ADMA05 NOVOSELOV, A.S. - RODIN, A.M. - MOTYCAK, S. - PODSHIBYAKIN, A.V. - KRUPA, L. - BELOZEROV, A.V. - VEDENEYEV, V.Yu. - GULYAEV, A.V. - GULYAEVA, A.V. - KLIMAN, Ján - SALAMATIN, V.S. - STEPANTSOV, S.V. - CHERNYSHEVA, E.V. - YUKHIMCHUK, S.A. - KOMAROV, A.B. - KAMAS, D. Data acquisition system for the socal plane detector of the mass separator MASHA. In Physics of Particles and Nuclei Letters, 2016, vol. 13, no. 5, p. 595-597. (0.420 - IF2015). (2016 - SCOPUS). ISSN 1547-4771.

ADMA06 SZOBOLOVSZKY, R. - ŠIFFALOVIČ, Peter - HODAS, Martin - PELLETTA, Marco - JERGEL, Matej - SABOL, D. - MACHA, M. - MAJKOVÁ, Eva. Waste heat recovery in solid-state lighting based on thin film thermoelectric generators. In Sustainable Energy Technologies and Assessments, 2016, vol. 18, p. 1-5. (3.000 - IF2015). ISSN 2213-1388.

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

ADMB01 BOHÁČ, Vlastimil - DIEŠKA, P. - VRETENÁR, Viliam - LUKÁČ, V. New way of measurement of thermophysical properties of clay loam materials by transient methods. In AIP Conference Proceedings, 2016, vol. 1752, no. 1, 040002. ISSN 0094-243X.

ADMB02 DUBNIČKA, Stanislav - DUBNIČKOVÁ, A.Z. Attempt to determine mass differences mKl-mKs and mK2-mK1 from cplear data on semi-leptonic decay of Ko and Ko. In Acta Physica Polonica B- Proceedings Supplement, 2016, vol. 9, no. 3, p. 627-633. ISSN 1899-2358.

ADMB03 DUBNIČKA, Stanislav - LIPTAJ, Andrej - DUBNIČKOVÁ, A.Z. - IVANOV, M.A. Description of hadronic effects in weak decays of beauty mesons using covariant quark model. In Acta Physica Polonica B- Proceedings Supplement, 2016, vol. 9, no. 3, p. 575-581. ISSN 1899-2358.

ADMB04 DUBNIČKOVÁ, A.Z. - DUBNIČKA, Stanislav - LIPTAJ, Andrej. Description of EM structure of nonet of pseudoscalar mesons by unitary and analytic model leads to more accurate muon g-2 anomaly and QED alfa(M 2/Z) evalution. In Acta Physica Polonica B- Proceedings Supplement, 2016, vol. 9, no. 3, p. 407-412. ISSN 1899-2358.

ADMB05 FILIP, Peter. Strong Decay of Phi(1s), Upsilon(4s) and Sigma* in Magnetic Field. In Journal of Physics: Conference Series, 2016, vol. 668, no. 1, 012055. (2016 - SCOPUS, WOS). ISSN 1742-6588.

ADMB06 KAMIŃSKI, R. - DUBNIČKA, Stanislav - DUBNIČKOVA, Z. - LIPTAJ, Andrej. Construction of the pion scalar form factor from few poles and zero. In EPJ Web of Conferences, 2016, vol. 130, 07009. (2016 - SCOPUS). ISSN 2100-014X.

ADMB07 KUBIČÁR, Ľudovít. Thermophysics in Slovakia. In AIP Conference Proceedings, 2016, vol. 1752, no. 1, 020001. ISSN 0094-243X.

ADMB08 SUROVTSEV, Yu.S. - BYDŽOVSKÝ, P. - GUTSCHE, T. - KAMIŃSKI, R. - LYUBOVITSKIJ, V.E. - NAGY, Miroslav. The interference effects of multi-channel pion-pion scattering contributions to the final states of psí- and ypsilon-meson family decays. In EPJ Web of Conferences, 2016, vol. 130, 04005. (2016 - SCOPUS). ISSN 2100-014X.

ADMB09 ZÁPRAŽNÝ, Zdenko - KORYTÁR, Dušan - JERGEL, Matej - ŠIFFALOVIČ, Peter - HALAHOVETS, Yuriy - KECKES, J. - MAŤKO, Igor - FERRARI, C. - VAGOVIČ, Patrik - MIKLOŠKA, M. Nano-machining for advanced x-ray crystal optics. In AIP Conference Proceedings, 2016, vol. 1764, 020005. ISSN 0094-243X.

AEDA Vedecké práce v domácich recenzovaných zborníkoch, kratšie kapitoly/state v domácich monografiách alebo VŠ učebniciach

AEDA01 PINČÍK, Emil - KOBAYASHI, H. - BRUNNER, Róbert - IMAMURA, K. - MIKULA, M. - KUČERA, Michal - VOJTEK, P. - ZÁBUDLÁ, Z. - GREGUŠ, J. - BAČOVÁ, Silvia - ZITTO, Peter. Photoluminescence of black and porous silicon and solar cell application. In Alternatívne zdroje energie (ALER 2016) : 12. ročník Vedecko-odbornej konferencie. - Liptovský Mikuláš : Slovenská elektrotechnická spoločnosť, 2016, p. 108-111. ISBN 978-80-89456-26-0.

AEDA02 RUSNÁK, Jaroslav. Error correction of control circuits for leakage-current balancing of semiconductor structures in DLTS measurements. In Alternatívne zdroje energie (ALER 2016) : 12. ročník Vedecko-odbornej konferencie s medzinárodnou účasťou , 5.-7.október 2016, Bobrovec. - Liptovský Mikuláš : Slovenská elektrotechnická spoločnosť, 2016, p. 6-9. ISBN 978-80-89456-26-0.

AFB Publikované pozvané príspevky na domácich vedeckých konferenciách

AFB01 HRISTOFOROU, E. - VOURNA, P. - KTENA, A. - ŠVEC, Peter. Stress monitoring and annihilation in steels based on magnetic techniques. In 16th Czech and Slovak conference on magnetism : Book of abstracts. Košice, 13.-17.6.2016. Ed. P. Sovák et al. - Košice : UPJŠ and ÚEF SAV, 2016, p. 321. ISBN 978-80-971450-9-5.(Czech and Slovak conference on magnetism).

AFB02 LUBY, Štefan. A brief history and forsight in nanoscience and nanotechnology. In ADEPT 2016 : Proceedings of the 4th International Conference on Advances in Electronic and Photonic Technologies, held in Tatranská Lomnica, High Tatras, Slovakia, June 20-23, 2016. Eds. J. Kováč, jr. et al. - Žilina : University of Žilina, 2016, p. 1-6. ISBN 978-80-554-1226-9.

AFB03 ŠVEC, Peter Jr. - JANOTOVÁ, Irena - ZIGO, Juraj - MAŤKO, Igor - JANIČKOVIČ, Dušan - MARCIN, Jozef - ŠKORVÁNEK, Ivan - ŠVEC, Peter. Development of selected amorphous and nanocrystalline soft magnetic systems with enhanced functional properties. In 16th Czech and Slovak Conference on Magnetism : Book of Abstracts. Košice, 13.-17.6.2016. Ed. P. Sovák et al. - Košice : UPJŠ and ÚEF SAV, 2016, p. 85. ISBN 978-80-971450-9-5.(Czech and Slovak conference on magnetism).

AFC Publikované príspevky na zahraničných vedeckých konferenciách

AFC01 FILIP, Peter. Excessive double strange baryon production due to strangeness oscillation in p+A, A+A collisions. In Proceedings of Science (ICHEP2016) : 38th International Conference on High Energy Physics, August 3-10, 2016, Chicago, USA. - Trieste : Sissa, 2016, 962.

AFC02 HRISTOFOROU, E. - KTENA, A. - VOURNA, P. - MANGIOROU, E. - AGGELOPOULOS, S. - ŠVEC, Peter - HERVOCHES, Ch. Analysis and stress determination in Welded samples. In Proceedings of the 19th World Conference on Non-Destructive Testing 2016 (WCNDT 2016) : WCNDT 2016, June 13-17, 2016, Munich, Germany. - Munich : DGZfP e.v., 2016, p. 1-7, ID=19297.

AFC03 HRISTOFOROU, E. - KTENA, A. - VOURNA, P. - MANGIOROU, E. - AGGELOPOULOS, S. - ŠVEC, Peter - HERVOCHES, Ch. Universality of the calibration curves-the universality law. In Proceedings of the 19th World Conference on Non-Destructive Testing 2016 (WCNDT 2016) : WCNDT 2016, June 13-17, 2016, Munich, Germany. - Munich : DGZfP e.v., 2016, p. 1-7, ID=19298.

AFC04 HRISTOFOROU, E. - KTENA, A. - VOURNA, P. - MANGIOROU, E. - AGGELOPOULOS, S. - ŠVEC, Peter - HERVOCHES, Ch. Monitoring magnetic property tensor across the weld at the same points where stress tensor was monitored. In Proceedings of the 19th World Conference on Non-Destructive Testing 2016 (WCNDT 2016) : WCNDT 2016, June 13-17, 2016, Munich, Germany. - Munich : DGZfP e.v., 2016, p. 1-8, ID=19299.

AFC05 HRISTOFOROU, E. - KTENA, A. - VOURNA, P. - MANGIOROU, E. - AGGELOPOULOS, S. - ŠVEC, Peter - HERVOCHES, Ch. State of the art on magnetic properties and stress correlation in steels. In Proceedings of the 19th World Conference on Non-Destructive Testing 2016 (WCNDT 2016) : WCNDT 2016, June 13-17, 2016, Munich, Germany. - Munich : DGZfP e.v., 2016, p. 1-10, ID=19296.

AFC06 KOSTIUK, Dmytro - LUBY, Štefan - DEMYDENKO, Maksym - JERGEL, Matej - ŠIFFALOVIČ, Peter - IVANČO, Ján - MAJKOVÁ, Eva. Few-layer graphene Langmuir-Schaefer nanofilms for H2 gas sensing. In Procedia Engineering, 2016, vol. 168, p. 243-246. ISSN 1877-7058.

AFC07 KRONEKOVÁ, Zuzana - PELACH, Michal - MAZANCOVÁ, Petra - UHELSKÁ, Lucia - TREĽOVÁ, Dušana - ŠIFFALOVIČ, Peter - MAJKOVÁ, Eva - LACÍK, Igor. Confocal raman spectroscopy: A powerful tool for microcapsules characterization. In XXIV International Conference on Bioencapsulation : Lisbon, Portugal, September 21-23, 2016. - Lisbon, Portugal : Bioencapsulation Research Group, 2016, p. 30-31.

AFC08 PIVOLUSKA, Matej - PAWLOWSKI, M. - PLESCH, Martin. Experimentally secure relativistic bit commitment. In Proceedings of the 16th Asian Quantum Information science Conference (AQIS 2016), August 28-September 2, 2016, Taipei, Taiwan. - Taipei : Academic Sinica, 2016, p. 262-263.

AFC09 PLESCH, Martin - PIVOLUSKA, Matej. An explicit classical strategy for winning a CHSHq game. In Proceedings of the 16th Asian Quantum Information science Conference (AQIS 2016), August 28-September 2, 2016, Taipei, Taiwan. - Taipei : Academic Sinica, 2016, p. 43-44.

AFC10 SUN, F. - ZHANG, J.Y. - BROZEK, C. - VERMAUT, P. - ŠVEC, Peter - KIM, H.Y. - MIYAZAKI, S. - BANERJEE, R. - MARTELEUR, M. - JACQUES, P.J. - PRIMA, F. Strengthening strategy for a ductile metastable B titanium allou using low temperature aging. In Proceedings of the 13th World Conference on Titanium : August 16-20, 2015, San Diego, USA. - Hoboken, NJ (USA) : Wiley, 2016, p. 1011-1015. ISBN 978-1-119-28326-3.

AFC11 SUROVTSEV, Yu. S. - BYDŽOVSKÝ, P. - GUTSCHE, T. - KAMIŃSKI, R. - LYUBOVITSKIJ, V.E. - NAGY, Miroslav. The interference effects of multi-channel pion-pion scattering in final states of charmonia and bottomonia

decays. In Quantum Field Theory at the Limits: from Strong Fields to Heavy Quarks : Lecture at the Helmholtz International Summer School. - Hamburg : Verlag DESY, 2016, p. 1- 38. ISBN 978-3-945931-07-3. ISSN 1435-8077.

AFC12 SUROVTSEV, Yu.S. - BYDŽOVSKÝ, P. - GUTSCHE, T. - KAMIŃSKI, R. - LYUBOVITSKIJ, V.E. - NAGY, Miroslav. Effect of the éta éta channel and interference phenomena in the two-pion transitions of charmonia and bottomonia. In Relativistic Nuclear Physics and Quantum Chromodynamics . Book of Abstracts : 23th Baldin ISHEPP 2016. - Dubna : JINR, 2016, p. 134-135. ISBN 978-5-9530-0455-8.

AFD Publikované príspevky na domácich vedeckých konferenciách

AFD01 BUTVINOVÁ, Beata - BUTVIN, Pavol - KUZMINSKI, M. - MAŤKO, Igor. Different influence of squeezing surfaces on anisotropy of ring cores and strips of Fe-based nanocrystalline ribbons. In Journal of Electrical Engineering, 2015, vol. 66, no. 7s, p. 104-107. (0.378 - IF2014). (2015 - INSPEC, SCOPUS, WOS). ISSN 1335-3632.

AFD02 DRGA, Jozef - KORYTÁR, Dušan - ZÁPRAŽNÝ, Zdenko - JERGEL, Matej - HALAHOVETS, Yuriy. Influence of tool rake angle used for nanomachining of germanium. In Transfer 2016 : 17th International Scientific Conference, 11. - 13. 10. 2016, Trenčianske Teplice, SR. - Trenčín : FŠT TnU AD v Trenčíne, 2016. ISBN 978-80-8075-756-4.

AFD03 LUBY, Štefan - LUBYOVÁ, Martina. Vzduch, ktorý dýchame. In Posolstvo Jána Pavla II. 2016. "Súčasné výzvy a trendy v..." : zborník z medzinárodnej vedeckej konferencie, Poprad, 21.-22. apríl 2016. Editori: Anton Lisnik, Katarína Greňová ; recenzenti: Bohuslava Mihalčová, Jiří Bílý, Piotr Mazur. - Ružomberok : VERBUM - vydavateľstvo Katolíckej univerzity v Ružomberku, 2016, s. 115-122. ISBN 978-80-561-0369-2.(Posolstvo Jána Pavla II. 2016 : "Súčasné výzvy a trendy v ...").

AFD04 LUBY, Štefan - JERGEL, Matej - ŠVEC, Peter Jr. - KOSTIUK, Dmytro - IVANČO, Ján - MAJKOVÁ, Eva - TIMKO, Milan - MIČUŠÍK, Matej. Iron oxide nanoparticles, preparation, characterization, applications. In 19th School of Vacuum Technology: Vacuum and new materials, November 9-12, 2016, Štrbské Pleso. - Bratislava : Slovenská vákuová spoločnosť, 2016, p. 15-25. ISBN 978-80-971179-7-9.

AFD05 LUBY, Štefan - JERGEL, Matej - KOSTIUK, Dmytro - ŠVEC, Peter - ŠVEC, Peter Jr. - MAJKOVÁ, Eva - TIMKO, Milan. Thermal stability and surfactant removal from Fe2O3 nanoparticles for NO2 gas sensors. In ADEPT 2016 : Proceedings of the 4th International Conference on Advances in Electronic and Photonic Technologies, held in Tatranská Lomnica, High Tatras, Slovakia, June 20-23, 2016. Eds. J. Kováč, jr. et al. - Žilina : University of Žilina, 2016, p. 207-210. ISBN 978-80-554-1226-9.

AFD06 LUBY, Štefan - LUBYOVÁ, Martina. How to Avoid Pathologic Phenomena in Science. In MECHATRONIKA 2016 : Proceedings of 14th International Symposium MEMS 2016. Editor: J. Vlnka. - Bratislava, Slovakia : Slovak University of Technology, 2016, s. 7-13. ISBN 978-80-227-4564-2.

AFE Abstrakty pozvaných príspevkov zo zahraničných konferencií

AFE01 ŠKORVÁNEK, Ivan - MARCIN, Jozef - ŠVEC, Peter. Advanced Nanocrystalline Magnetic Materials for Energy and Sensor Applications. In NANOCON 2016 : 8th International Conference on Nanomaterials - Research and Application, October 19 - 21, 2016, Brno, Czech Republic. - Ostrava : Tanger Ltd., 2016, p. 33. ISBN

978-80-97294-68-0.(NANOCON 2016 : International Conference on Nanomaterials - Research and Application).

AFG Abstrakty príspevkov zo zahraničných konferencií

AFG01 BOHÁČ, Vlastimil. The use of transient methods for the investigation of the thermal properties of materials correlated with the changes of the structure caused by effects of different origin. In Proceedings from THERMAM 2016: Abstracts Proceedings : 3rd International Conference on Thermophysical and Mechanical Properties of Advanced Materials, September 1-3, 2016, Izmir, Turkey. - Izmir : Dokuz Eylul University, 2016, p. 2.

AFG02 BUGÁROVÁ, Nikola - ŠPITÁLSKY, Zdenko - ŠIFFALOVIČ, Peter - BODIK, Michal - KONERACKÁ, Martina - ZAŤOVIČOVÁ, Miriam - OMASTOVÁ, Mária. Biosenzory na báze modifikovaného grafén oxidu. In Czech Chemical Society Symposium Series, 2016, roč.14, č. 5, s. 233. ISSN 2336-7202. Dostupné na internete: <www.ccsss.cz>.

AFG03 BUGÁROVÁ, Nikola - MIČUŠÍK, Matej - ŠPITÁLSKY, Zdenko - ŠIFFALOVIČ, Peter - OMASTOVÁ, Mária. Organic/inorganic nanoplatform for detection of cancer. In ANNIC 2016 : Applied nanotechnology and nanoscience international conference : book of abstracts. - Barcelona, Spain : University Pompeu Fabra, 2016, p. 202. Dostupné na internete: <premc.org/annic2016>.

AFG04 EVGIN, Tuba - BOHÁČ, Vlastimil - TAVMAN, Ismail Hakki - TURGUT, Alpaslan - NOVÁK, Igor - OMASTOVÁ, Mária. The measurements of thermophysical properties of high density polyethylene/graphene nanoplatelets nanocomposites by planar disk transient method. In Thermam 2016 : 3rd International Conference on Thermophysical and Mechanical Properties of Advanced Materials : Izmir, Turkey, 1-3 September 2016 : abstracts proceedings. - Izmir, Turkey : Dokuz Eylul University, 2016, p. 20-21.

AFG05 FORRÓ, Klaudia - BUGÁROVÁ, Nikola - ŠPITÁLSKY, Zdenko - ŠIFFALOVIČ, Peter - KONERACKÁ, Martina - ZAŤOVIČOVÁ, Miriam - PASTOREKOVÁ, Silvia - OMASTOVÁ, Mária. Development of graphene-based sensors in biomedical application. In ICSM 2016 : the 24th International Conference on Science and Technology of Synthetic Metals. - Guangzhou, China : South China University of Technology, 2016, abstract no. W-1-7.

AFG06 KORYTÁR, Dušan - FERRARI, C. - ZÁPRAŽNÝ, Zdenko - JERGEL, Matej - ŠIFFALOVIČ, Peter - HALAHOVETS, Yuriy - KECKES, J. - VAGOVIČ, P. - KUZMA, D. Recent progress in design and technology of channel-cut monochromators. In Materials Structure in Chemistry, Biology, Physics and Technology, 2016, vol. 23, no. 3, p. 315-316. ISSN 1211-5894.

AFG07 NÁDAŽDY, Peter - ŠIFFALOVIČ, Peter - JERGEL, Matej - HALAHOVETS, Yuriy - ZÁPRAŽNÝ, Zdenko - KORYTÁR, Dušan - MIKULIK, P. - MAJKOVÁ, Eva. Optimization of channel-cut x-ray optics for high-throughput and high-resolution laboratory small-angle x-ray scattering experiments. In Materials Structure in Chemistry, Biology, Physics and Technology, 2016, vol. 23, no. 3, p. 306. ISSN 1211-5894.

AFG08 SOHOVÁ, Marianna - BODÍK, Michal - ŠIFFALOVIČ, Peter - JERGEL, Matej - HIANIK, Tibor - BUGÁROVÁ, Nikola - ŠPITÁLSKY, Zdenko - OMASTOVÁ, Mária - LABUDOVÁ, Martina - PASTOREKOVÁ, Silvia - MAJKOVÁ, Eva. Confocal Raman spectroscopy study of intracellular localization of graphene oxide nanoplatform under development for targered delivery to cancer cells. In graphene 2016 : abstracts book. - Genoa, Italy : Phantoms foundation, 2016, abstract no. 109. Dostupné na internete: <www.grapheneconf.com>.

AFG09 ZÁPRAŽNÝ, Zdenko - KORYTÁR, Dušan - JERGEL, Matej - HALAHOVETS, Yuriy - ŠIFFALOVIČ, Peter - FERRARI, C. - FRIGERI, C. - KECKES, J. - MAŤKO, Igor - DRGA, Jozef - VAGOVIČ, P. High-quality active surfaces for x-ray crystal optics. In Materials Structure in Chemistry, Biology, Physics and Technology, 2016, vol. 23, no. 3, p. 313-314. ISSN 1211-5894.

AFH Abstrakty príspevkov z domácich konferencií

AFH01 BUTVINOVÁ, Beata - BUTVIN, Pavol - MAŤKO, Igor - JANIČKOVIČ, Dušan - KUZMINSKI, M. - SLAWSKA-WANIEWSKA, A. - ŠVEC, Peter - CHROMČÍKOVÁ, Mária. Accent in modern high saturation nanocrystalline Fe-rich alloys. In 16th Czech and Slovak Conference on Magnetism, June 13-17, 2016, Košice, Slovakia : Book of Abstracts. - Košice : UPJŠ and ÚEF SAV, 2016, p2-16. ISBN 978-80-971450-9-5.(Czech and Slovak conference on magnetism).

AFH02 HOLOŠ, Ana - KOLLÁR, Jozef - IVANČO, Ján - MOSNÁČEK, Jaroslav. Design of iron oxide nanoparticles grafted with polymeric surfactants for chemiresistors. In BIMac 2016 : XXII. Bratislava Conference on Macromolecules : Polymers with Tailored Architecture and Properties : programme book and book of abstracts. - Bratislava : Ústav polymérov SAV, 2016, p. 73. ISBN 978-80-89841-01-1.

AFH03 KOPANI, M. - MIKULA, M. - PINČÍK, Emil - KOBAYASHI, H. - TAKAHASHI, M. Effect of HCN passivation on silicon oxide thin layer. In Proceedings of 9th Solid State Surfaces and Interfaces : Extended Abstract Book. - Bratislava : Comenius University, 2016, p. 53. ISBN 978-80-223-4203-2.

AFH04 KRAJČÍ, Marián - KAMEOKA, S. - TSAI, A.-P. Understanding the catalytic activity of porous gold. In C-MAC Days 2016 : Program and Abstracts. - Bratislava : VEDA, 2016, p. C-24. ISBN 978-80-224-1540-8.

AFH05 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. - RENAULT, L.P. - OLLIVIER, J. - PASCHEN, S. - GRIN, Yu. - DE BOISSIEU, M. Phonon lifetime and thermal conductivity in the Ba7.81Ge40.67Au5.33 clathrate. In C-MAC Days 2016 : Program and Abstracts. - Bratislava : VEDA, 2016, p. C-20. ISBN 978-80-224-1540-8.

AFH06 MIHALKOVIČ, Marek. Unbiased prediction of quasicrystal structures from realistic atomistic simulation. In C-MAC Days 2016 : Program and Abstracts. - Bratislava : VEDA, 2016, p. C-09. ISBN 978-80-224-1540-8.

AFH07 NÁDAŽDY, Vojtech - SCHAUER, F. - GMUCOVÁ, Katarína - VÉGSO, Karol - ŠIFFALOVIČ, Peter - JERGEL, Matej - MAJKOVÁ, Eva. Energy-resolved electrochemical impedance spectroscopy: Introduction and application for electron structure mapping of organic semiconductors. In New Trends in Solar Cells : Book of abstracts. - Bratislava : Polymer Institute of SAS, 2016, p.56-57. ISBN 978-80-970923-9-9.

AFH08 PINČÍK, Emil - KOBAYASHI, H. - BRUNNER, Róbert - MIKULA, M. - GREGUŠ, J. - VOJTEK, P. - ZÁBUDLÁ, Z. - IMAMURA, K. - KUČERA, Michal. Photoluminescence of porous and black silicon. In Proceedings of 9th Solid State Surfaces and Interfaces : Extended Abstract Book. - Bratislava : Comenius University, 2016, p. 85. ISBN 978-80-223-4203-2.

AFH09 PINČÍK, Emil - KOBAYASHI, H. - BRUNNER, Róbert - MIKULA, M. - GREGUŠ, J. - VOJTEK, P. - ZÁBUDLÁ, Z. - IMAMURA, K. - TOMEKOVÁ, J. - KUČERA, Michal. Optical properties of black silicon and porous silicon. In Proceedings of 9th Solid State Surfaces and Interfaces : Extended Abstract Book. -

Bratislava : Comenius University, 2016, p. 81-82. ISBN 978-80-223-4203-2.

AFH10 PINČÍK, Emil - GREGUŠ, J. - VOJTEK, P. - ZÁBUDLÁ, Z. - BRUNNER, Róbert - MIKULA, M. - BAČOVÁ, Silvia - ZITTO, Peter - TOMEKOVÁ, J.. About porous black silicon prepared without catalytic mesh. In Proceedings of 9th Solid State Surfaces and Interfaces : Extended Abstract Book. - Bratislava : Comenius University, 2016, p. 83-84. ISBN 978-80-223-4203-2.

AFH11 ROIK, O. - ZIGO, Juraj - ŠVEC, Peter. What is difference in local atomic ordering of liquid and amorphous Al-Fe(Co, Ni)-Si alloys. In C-MAC Days 2016 : Program and Abstracts. - Bratislava : VEDA, 2016, p. C-12. ISBN 978-80-224-1540-8.

AFH12 SIDOROV, V. - PETROVA, S. - ŠVEC, Peter - ŠVEC, Peter Jr. - JANIČKOVIČ, Dušan - PALITSINA, A.. Crystallization of Al-Co-Dy(Ho) amorphous alloys. In C-MAC Days 2016 : Program and Abstracts. - Bratislava : VEDA, 2016, p. C-16. ISBN 978-80-224-1540-8.

AFH13 ŠPITÁLSKY, Zdenko - MIČUŠÍK, Matej - BUGÁROVÁ, Nikola - JOCHEC MOŠKOVÁ, Daniela - CSOMOROVÁ, Katarína - MARKOVIĆ, Zoran M. - BODIK, Michal. Reduction of graphene oxide to graphite. In New Trends in Solar Cells : book of abstracts. - Bratislava : Polymer Institute of SAS, 2016, p. 118-119. ISBN 978-80-970923-9-9.

AFH14 VÉGSO, Karol - NÁDAŽDY, Vojtech - ŠIFFALOVIČ, Peter - JERGEL, Matej - MAJKOVÁ, Eva. The first in-situ time-resolved study of solvent annealing of bulk heterojunction solar cell by GISAXS and GIWAXS. In New Trends in Solar Cells : Book of abstracts. - Bratislava : Polymer Institute of SAS, 2016, p. 87. ISBN 978-80-970923-9-9.

AFH15 VOJTKO, Andrej - ŠIFFALOVIČ, Peter - VÉGSO, Karol - JERGEL, Matej - LUBY, Štefan - NÁDAŽDY, Vojtech - LEE, Hsin-Yi - KU, Ching-Shun - LIN, Man-Ling - JENG, U-Ser - SU, Chun-Jen - CESARIA, Maura - MAJKOVÁ, Eva. GISAXS and GIWAXS study of P3HT: PCBM bulk heterojunction after UV nanosecond pulse laser irradiation. In New Trends in Solar Cells : Book of Abstracts. - Bratislava : Polymer Institute of SAS, 2016, p. 91-92. ISBN 978-80-970923-9-9.

AFK Postery zo zahraničných konferencií

AFK01 MAŤKO, Igor - TODT, J. - SARTORY, B. - PITONAK, R. - KECKES, J. Microstructural analysis of self-organized nanostructures in polycrystalline TiAlN coatings. In ICMCTF 2016 : 43rd International Conference on Metallurgical Coating and Thin Films (ICMCTF), April 25-29, 2016, San Diego, USA. - San Diego : AVS, 2016, p. 92.

AFK02 TOKÁR, Kamil - ŠTICH, Ivan. Electronic correlation in charged vanadium-benzene multidecker clusters from quantum Monte Carlo simulations. In Sympozjum obliczeniowych metod ab initio, February 29, 2016, Kraków, Poland : Book of Abstracts. - Kraków : IFJ PAN, 2016, p.

AFL Postery z domácich konferencií

AFL01 ĎURIŠKA, L. - PALCUT, M. - ŠPOTÁK, M. - ČERNIČKOVÁ, I. - GONDEK, J. - PRIPUTEN, P. - JANIČKOVIČ, Dušan - JANOVEC, J. Corrosion behaviour of selected Al-Pd alloys in aqueous NaCl. In C-MAC Days 2016 : Program and Abstracts. - Bratislava : VEDA, 2016, p. P-04. ISBN 978-80-224-1540-8.

AFL02 JANOTOVÁ, Irena - ŠVEC, Peter - ŠVEC, Peter Jr. - MAŤKO, Igor - JANIČKOVIČ, Dušan - ZIGO, Juraj. The comparison of rapidly quenched Co-Sn-B and Fe-Sn-B alloys. In C-MAC Days 2016 : Program and Abstracts. - Bratislava : VEDA, 2016, p. P-07. ISBN 978-80-224-1540-8.

AFL03 SIDOROV, V. - ŠVEC, Peter. Improving glass-forming ability of CoFeBSiNb alloys. In C-MAC Days 2016 : Program and Abstracts. - Bratislava : VEDA, 2016, p. P-12. ISBN 978-80-224-1540-8.

AFL04 ŠVEC, Peter Jr. - MAŤKO, Igor - MARCIN, Jozef - KOVÁČ, Jozef - VLASÁK, Gabriel - JANIČKOVIČ, Dušan - ŠKORVÁNEK, Ivan - ŠVEC, Peter. Structure and properties of soft-magnetic amorphous bilayer ribbons. In C-MAC Days 2016 : Program and Abstracts. - Bratislava : VEDA, 2016, p. P-15. ISBN 978-80-224-1540-8.

AFL05 ŠVEC, Peter Jr. - ŠVEC, Peter - HOŠKO, Jozef - JANIČKOVIČ, Dušan. Formation of monophase Fe23B6-type alloy via crystallization of amorphous Fe-Ni-Nb-B system. In C-MAC Days 2016 : Program and Abstracts. - Bratislava : VEDA, 2016, p. P-14. ISBN 978-80-224-1540-8.

AFL06 ZIGO, Juraj - ROIK, O. - ŠVEC, Peter. Phase transformations up to melting point in Al-(Fe, Co, Ni)-Si alloys. In C-MAC Days 2016 : Program and Abstracts. - Bratislava : VEDA, 2016, p. P-16. ISBN 978-80-224-1540-8.

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

FAI01 Proceedings of 9th Solid State Surfaces and Interfaces : Extended Abstract Book. Bratislava : Comenius University, 2016. 110 s. ISBN 978-80-223-4203-2.

FAI02 C-MAC Days 2016 : Program and Abstracts. Bratislava : VEDA, 2016. 65 s. ISBN 978-80-224-1540-8.

GII Rôzne publikácie a dokumenty, ktoré nemožno zaradiť do žiadnej z predchádzajúcich kategórií

GII01 BĚTÁK, Emil - LUBY, Štefan. Červené more, pyramídy a Igor Túnyi [Red Sea, Pyramides and Igor Túnyi]. In Fyzika a etika X: Perspektívy dialógu medzi fyzikou a etikou : Zborník monografických štúdií z vedeckej konferencie s medzinárodnou účasťou konanej na Univerzite Konštantína Filozofa v Nitre dňa 29.júna 2015. - Nitra : Univerzita Konštantína Filozofa, 2016, s. 9-11. ISBN 978-80-558-1056-0.

Ohlasy (citácie):

ABC Kapitoly vo vedeckých monografiách vydané v zahraničných vydavateľstvách

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

Citácie:

1. [1.1] HOLLWIESER, R.- ALTARAWNEH, D. Center vortices, area law and the catenary solution. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A, 2015, vol. 30, 1550207., WOS

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

3. [1.1] KONDO, Kei-Ichi et al. Quark confinement: Dual superconductor picture. In PHYSICS REPORTS, 2015, vol. 579, p. 1-226., WOS

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

ADC01 JERGEL, Matej - MIKULIK, P. - MAJKOVÁ, Eva - SENDERÁK, Rudolf - PINČÍK, Emil - BRUNEL, M. - HUDEK, Peter - KOSTIČ, Ivan - KONEČNÍKOVÁ, Anna. Structural characterization of lamellar multilayer gratings by X-ray reflectivity and scanning electron. In Journal of Physics D, 1999, vol. 32, no. 10A, p. A220-A223. (1.114 - IF1998). (1999 - Current Contents, SCOPUS).

Citácie:

1. [3.1] WERNECKE, J. When size does matter: dimensional metrology of nanostructured layers and surfaces using x-rays. PhD Thesis, Technische Universität Berlin. 2015, 145 p.

ADCA Vedecké práce v zahraničných karentovaných časopisoch – impaktovaných

ADCA01 ABELEV, B. - AGGARWAL, M.M. - AHAMMED, Z. - ANDERSON, B.D. - ARKHIPKIN, D. - FILIP, Peter. Strange baryon resonance production in root s(NN)=200 GeV. In Physical Review Letters, 2006, vol. 97, no. 13, 132301. (7.489 - IF2005). (2006 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Citácie:

1. [1.1] AICHELIN, J. In EPJ WEB OF CONFERENCES, 2015, vol. 97, 00001., WOS

2. [1.1] KUMAR, L. In EPJ WEB OF CONFERENCES, 2015, vol. 97, 00017., WOS

3. [1.1] MORIYA, K. In EPJ WEB OF CONFERENCES, 2015, vol. 97, 00021., WOS

ADCA02 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 Physical Review Letters, 2007, vol. 98, no. 19, 192301. (7.072 - IF2006). (2007 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Citácie:

1. [1.1] DAS, S.K. In JOURNAL OF PHYSICS G, 2015, vol. 42, 095108., WOS

2. [1.1] DAS, S.K. In PHYSICS LETTERS B, 2015, vol. 747, p. 260., WOS

3. [1.1] DING, H.-T. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E, 2015, vol. 24, 1530007., WOS

4. [1.1] HE, M. In PHYSICAL REVIEW C, 2015, vol. 91, 024904., WOS

5. [1.1] HUANG, J. In PHYSICS LETTERS B, 2015, vol. 750, p. 287., WOS

6. [1.1] ISLAM, Ch.A. In JOURNAL OF HIGH ENERGY PHYSICS, 2015, Iss. 2, 011., WOS

7. [1.1] KIKOLA, D. In ADVANCES IN HIGH ENERGY PHYSICS, 2015, 385205., WOS

8. [1.1] MACIULA, R. In PHYSICAL REVIEW D, 2015, vol. 92, 054006., WOS

9. [1.1] SONG, T. In PHYSICAL REVIEW C, 2015, vol. 92, 014910., WOS

10. [1.1] SONG, T. In PHYSICAL REVIEW C, 2015, vol. 92, 014910., WOS

11. [1.1] TLUSTY, D. In EPJ WEB OF CONFERENCES, 2015, vol. 95, 04067., WOS

12. [1.1] YONUS, M. In PHYSICAL REVIEW C, 2015, vol. 91, 024912., WOS

13. [1.1] ZHOU, K. In ADVANCES IN HIGH ENERGY PHYSICS, 2015, 439689., WOS

ADCA03 ABELEV, B.I. - AGGARWAL, M.M. - AHAMMED, Z. - ANDERSON, B.D. - ARKHIPKIN, D. - FILIP, Peter. Partonic flow and phi-meson production. In Physical Review Letters, 2007, vol. 99, 112301. (7.072 - IF2006). (2007 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Citácie:
1. [1.1] BRUNO, M. In JOURNAL OF HIGH ENERGY PHYSICS, 2015, Iss. 3, 057., WOS
2. [1.1] KUMAR, L. In EPJ WEB OF CONFERENCES, 2015, vol. 97, 00017., WOS
3. [1.1] van HEES, J. In NUCLEAR PHYSICS A, 2015, vol. 933, p. 256., WOS

ADCA04 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. (7.489 - IF2005). (2006 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Citácie:
1. [1.1] GUERZONI, B. In JOURNAL OF PHYSICS CONFERENCE SERIES, 2015, vol. 612, 012049., WOS
2. [1.1] KUMAR, L. In EPJ WEB OF CONFERENCES, 2015, vol. 97, 00017., WOS
3. [1.1] SANCHEZ, X. In JOURNAL OF PHYSICS CONFERENCE SERIES, 2015, vol. 589, 012018., WOS
4. [1.1] TAKEUCHI, S. In PHYSICAL REVIEW C, 2015, vol. 92, 044907., WOS
5. [1.1] TLUSTY, D. In EPJ WEB OF CONFERENCES, 2015, vol. 95, 04067., WOS
6. [1.1] VOLPE, G. In EPJ WEB OF CONFERENCES, 2015, vol. 95, 04075., WOS
7. [1.1] WANG, R.-Q. In PHYSICAL REVIEW C, 2015, vol. 91, 014909., WOS
8. [1.1] ZHENG, H. In ADVANCES IN HIGH ENERGY PHYSICS, 2015, 180491., WOS

ADCA05 ABELEV, B.I. - AGGARWAL, M.M. - AHAMMED, Z. - ANDERSON, B.D. - ARKHIPKIN, D. - FILIP, Peter. Forward neutral-pion transverse single spin asymmetries in p+p collisions at sqrt(s)=200 GeV. In Physical Review Letters, 2008, vol. 101, no. 22, 222001. (6.944 - IF2007). (2008 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Citácie:
1. [1.1] BEPPU, H. In EPJ WEB OF CONFERENCES, 2015, vol. 85, 02012., WOS
2. [1.1] KANAZAWA, K. In ADVANCES IN HIGH ENERGY PHYSICS, 2015, 257934., WOS
3. [1.1] KANAZAWA, K. In FEW-BODY SYSTEMS, 2015, vol. 56, p. 343., WOS
4. [1.1] KANAZAWA, K. In PHYSICS LETTERS B, 2015, vol. 742, p. 340., WOS
5. [1.1] KANAZAWA, K. In PHYSICS LETTERS B, 2015, vol.744, p. 385., WOS
6. [1.1] KLEINJAN, D. In EPJ WEB OF CONFERENCES, 2015, 02029., WOS
7. [1.1] KUMAR, N. In EUROPEAN PHYSICAL JOURNAL A, 2015, vol. 51, Iss. 4, 51., WOS
8. [1.1] LU, Z. In PHYSICS LETTERS B, 2015, vol. 747, p. 357., WOS
9. [1.1] PERDEKAMP, M.G. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, 2015, vol. 65, p. 429., WOS
10. [1.1] PITONYAK, D. In EPJ WEB OF CONFERENCES, 2015, vol. 85, 02013., WOS
11. [1.1] PROKUDIN, A. In EPJ WEB OF CONFERENCES, 2015, vol. 85, 02028., WOS
12. [1.1] QIAN, Y. IN NUCLEAR PHYSICS A, 2015, vol. 940, p. 227., WOS
13. [1.1] QIU, J.-W. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS, 2015, Iss. 3, 03A106., WOS

ADCA06 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. (7.072 - IF2006). (2007 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Citácie:

1. [1.1] PERDEKAMP, M.G. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, 2015, vol. 65, p. 429., WOS

ADCA07 ABELEV, B.I. - AGGARWAL, M.M. - AHAMMED, Z. - ANDERSON, B.D. - ARKHIPKIN, D. - FILIP, Peter. Longitudinal double-spin asymmetry for incllusive jet production in p+p collisions at sqrt(s)=200 GeV. In Physical Review Letters, 2008, vol. 100, no. 23, 232003. (6.944 - IF2007). (2008 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Citácie:

1. [1.1] NICCOLAI, S. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A, 2015, vol. 30, 1530058., WOS

2. [1.1] QIU, J.-W. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS, 2015, Iss. 3, 03A106., WOS

ADCA08 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. (7.328 - IF2009). (2010 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Citácie:

1. [1.1] NASIM, M. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E, 2015, vol. 24, 1550069., WOS

2. [1.1] ROLAND G. In PRAMANA, 2015, vol. 84, p. 731., WOS

3. [1.1] TROSHIN, S.M. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E, 2015, vol. 24, 1550066., WOS

ADCA09 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. (7.180 - IF2008). (2009 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Citácie:

1. [1.1] ADRIANOV, A.A. In THEORETICAL AND MATHEMATICAL PHYSICS, 2015, vol. 184, p. 1243., WOS

2. [1.1] BLOCZYNSKI, J. In NUCLEAR PHYSICS A, 2015, vol. 939, p. 85., WOS

3. [1.1] BRAGUTA, V.V. In JETP LETTERS, 2015, vol. 100, p. 547., WOS

4. [1.1] BRAGUTA, V.V. In JOURNAL OF HIGH ENERGY PHYSICS, 2015, Iss. 6, 094., WOS

5. [1.1] CHATTERJEE, B. In PHYSICAL REVIEW D, 2015, vol. 91, 034031., WOS

6. [1.1] CHATTERJEE, S. In PHYSICAL REVIEW C, 2015, vol. 92, 011902., WOS

7. [1.1] DENG, W.-T. In PHYSICS LETTERS B, 2015, vol. 742, p. 296., WOS

8. [1.1] GORBAR, E.V. In PHYSICAL REVIEW B, 2015, vol. 92, 245440., WOS

9. [1.1] GORBAR, E.V. In UKRAINIAN JOURNAL OF PHYSICS, 2015, vol. 60, p. 289., WOS

10. [1.1] GURSOY, U. In JOURNAL OF HIGH ENERGY PHYSICS, 2015, Iss. 10, 058., WOS

11. [1.1] JIANG, Y. In PHYSICAL REVIEW D, 2015, vol. 92, 071501., WOS

12. [1.1] JIANG, Y. In PHYSICALL REVIEW D, 2015, vol. 91, 045001., WOS
13. [1.1] JIMENEZ-ALBA, A. In PHYSICAL REVIEW D, 2015, vol. 92, 014023., WOS
14. [1.1] KHARZEEV, D.E. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, 2015, vol. 65, p. 193., WOS
15. [1.1] MANO, K.A. JOURNAL OF HIGH ENERGY PHYSICS, 2015, Iss. 5, 121., WOS
16. [1.1] MIRANSKY, V.A. In PHYSICS REPORTS, 2015, vol. 576, p. 1-209., WOS
17. [1.1] ONDERWAATER, J. In JOURNAL OF PHYSICS CONFERENCE SERIES, 2015, vol. 612, 012044., WOS
18. [1.1] QIAN, Y. In NUCLEAR PHYSICS A, 2015, vol. 940, p. 227., WOS
19. [1.1] RAJAGOPAL, K. In JOURNAL OF HIGH ENERGY PHYSICS, 2015, Iss. 10, 018., WOS
20. [1.1] SOHRABI, K.A. In JOURNAL OF HIGH ENERGY PHYSICS, 2015, Iss. 3, 014., WOS
21. [1.1] STEPHANOV, M. In PHYSICAL REVIEW D, 2015, vol. 91, 125014., WOS
22. [1.1] TAGHAVI, S.F. In PHYSICAL REVIEW C, 2015, vol. 91, 024902., WOS
23. [1.1] TAWFIK, A. In ADVANCES IN HIGH ENERGY PHYSICA, 2015, 186812., WOS
24. [1.1] YU, L. In PHYSICAL REVIEW D, 2015, vol. 91, 074011., WOS

ADCA10 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. (3.124 - IF2008). (2009 - Current Contents, SCOPUS). ISSN 2469-9985.

Citácie:

1. [1.1] BIERLICH, Ch. In PHYSICAL REVIEW D, 2015, vol. 92, 094010., WOS
2. [1.1] BILIC, N. In PHYSICAL REVIEW D, 2015, vol. 91, 104025., WOS
3. [1.1] BORSANYI, S. In PHYSICAL REVIEW D, 2015, vol. 92, 014505., WOS
4. [1.1] DAS, S. In EPJ WEB OF CONFERENCES, 2015, vol. 90, 08007., WOS
5. [1.1] HABICH, M. In EUROPEAN PHYSICAL JOURNAL C, 2015, vol. 75, 15., wos
6. [1.1] IVANOV, Yu.B. In PHYSICAL REVIEW C, 2015, vol. 92, 024916., WOS
7. [1.1] LUO, X. In PHYSICAL REVIEW C, 2015, vol. 91, 034907., WOS
8. [1.1] MILANO, L. In EUROPEAN PHYSICAL JOURNAL PLUS, 2015, vol. 130, 193., WOS
9. [1.1] OLIMOV, K.K. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E, 2015, vol. 24, 1550036., WOS
10. [1.1] OLIMOV, K.K. In PHYSICAL REVIEW C, 2015, vol. 92, 024909., WOS
11. [1.1] PETROVICI, M. In AIP CONFERENCE PROCEEDINGS, 2015, vol. 1645, p. 52., WOS
12. [1.1] PRATT, S. IN PHYSICAL REVIEW C, 2015, vol. 92, 064905., WOS
13. [1.1] PULAWSKI, S. In ACTA PHYSICA POLONICA B, 2015, vol. 46, p. 2381., WOS
14. [1.1] RAFELSKI, J. In EUROPEAN PHYSICAL JOURNAL A, 2015, vol. 51, 114., WOS
15. [1.1] RAFELSKI, J. In PHYSICS OF PARTICLES AND NUCLEI, 2015, vol. 46, p. 748., WOS
16. [1.1] SONG, T. In PHYSICAL REVIEW C, 2015, vol. 91, 044909., WOS
17. [1.1] TAWFIK, A. In INTERNATIONAL JOURNAL OF MODERN PHYSICS

A, 2015, vol. 30, 1550131., WOS
18. [1.1] TAWFIK, A.N. In INTERNATIIONAL JOURNAL OF MODERN PHYSICS E, 2015, vol. 24, 1550067., WOS
19. [1.1] TRAINOR, T. A. In PHYSICAL REVIEW C, 2015, vol. 92, 024915., WOS
20. [1.1] ZHENG, H. In ADVANCES IN HIGH ENERGY PHYSICS, 2015, 180491., WOS

ADCA11 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. (3.327 - IF2006). (2007 - Current Contents, WOS, SCOPUS). ISSN 2469-9985.

Citácie:
1. [1.1] ARTEMENKOV, D.A. In INTERNATIIONAL JOURNAL OF MODERN PHYSICS A, 2015, vol. 30, 1550127., WOS
2. [1.1] AZMI, M.D. In EUROPEAN PHYSICAL JOURNAL C, 2015, vol. 75, 430., WOS
3. [1.1] BIERLICH, Ch. In PHYSICAL REVIEW D, 2015, vol. 92, 094010., WOS
4. [1.1] BRUNO, M. In JOURNAL OF HIGH ENERGY PHYSICS, 2015, Iss. 3, 057., WOS
5. [1.1] DEPPMAN, A. In JOURNAL OF PHYSICS CONFERENCE SERIES, 2015, vol. 623, 012009., WOS
6. [1.1] ELI, D. In EPJ WEB OF CONFERENCES, 2015, vol. 95, 03008., WOS
7. [1.1] KOSHELKIN, A.V. In EPJ WEB OF CONFERENCES, 2015, vol. 90, 01004., WOS
8. [1.1] MARQUES, L. In PHYSICAL REVIEW D, 2015, vol. 91, Iss. 5., WOS
9. [1.1] PISKOUNOVA, O. In JOURNAL OF PHYSICS CONFERENCE SERIES, 2015, vol. 607, 012012., WOS
10. [1.1] RYBCZYNSKI, M. In EUROPEAN PHYSICAL JOURNAL A, 2015, vol. 51, 80., WOS
11. [1.1] SETT, P. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E, 2015, vol. 24, 1550046., WOS
12. [1.1] SKANDS, P. In EPJ WEB OF CONFERENCES, 2015, vol. 99, 09001., WOS
13. [1.1] TLUSTY, D. In EPJ WEB OF CONFERENCES, 2015, vol. 95, 04067., WOS
14. [1.1] ZHENG, H. In ADVANCES IN HIGH ENERGY PHYSICS, 2015, 180491., WOS
15. [1.1] ZHENG, H. In PHYSICAL REVIEW D, 2015, vol. 92, Iss. 7, 074009., WOS

ADCA12 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. (4.034 - IF2008). (2009 - Current Contents, WOS, SCOPUS). ISSN 0370-2693.

Citácie:
1. [1.1] BRUNO, M. In JOURNAL OF HIGH ENERGY PHYSICS, 2015, Iss. 3, 057., WOS
2. [1.1] RAFELSKI, J. In EUROPEAN PHYSICAL JOURNAL A, 2015, vol. 51, 114., WOS

ADCA13 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 Physics Letters B, 2010, vol. 690, no. 3, p. 239-244. (5.083 - IF2009). (2010 - Current Contents, WOS, SCOPUS). ISSN 0370-2693.

Citácie:
1. [1.1] PRATT, S. In PHYSICAL REVIEW C, 2015, vol. 92, 064905., WOS
2. [1.1] SONG, J. In PHYSICAL REVIEW C, 2015, vol. 91, 054905., WPS
3. [1.1] TAWFIK, A. In ADVANCES IN HIGH ENERGY PHYSICS, 2015, 186812., WOS

ADCA14 ABELEV, B.I. - AGGARWAL, M.M. - AHAMMED, Z. - ANDERSON, B.D. - ARKHIPKIN, D. - FILIP, Peter. Energy dependence of phi(+/-), p and (p)over-bar transverse momentum spectra. In Physics Letters B, 2007, vol. 655, p. 104-113. (5.043 - IF2006). (2007 - Current Contents, WOS, SCOPUS). ISSN 0370-2693.

Citácie:
1. [1.1] DAI, W. In PHYSICS LETTERS B, 2015, vol. 750, p. 390., WOS
2. [1.1] DAS, S. In EPJ WEB OF CONFERENCES, 2015, vol. 90, 08007., WOS
3. [1.1] HE, M. In PHYSICAL REVIEW C, 2015, vol. 91, 024904., WOS
4. [1.1] KUCERA, V. In JOURNAL OF PHYSICS CONFERENCE SERIES, 2015, vol. 612, 012013., WOS
5. [1.1] NOICER, R. In EPJ WEB OF CONFERENCE, 2015, vol. 95, 04046., WOS
6. [1.1] ZHENG, H. In ADVANCES IN HIGH ENERGY PHYSICS, 2015, 180491., WOS

ADCA15 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. (2009 - Current Contents). ISSN 1550-7998.

Citácie:
1. [1.1] MACIULA, R. In PHYSICAL REVIEW D, 2015, vol. 92, 054006., WOS

ADCA16 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. (2009 - Current Contents). ISSN 1550-7998.

Citácie:
1. [1.1] GIBSON, A. In EPJ WEB OF CONFERENCES, 2015, vol. 95, 03013., WOS
2. [1.1] KAUFMANN, T. In PHYSICAL REVIEW D, 2015, vol. 92, 054015., WOS
3. [1.1] QIU, J.-W. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS, 2015, Iss. 3, 03A106., WOS
4. [1.1] de FLORIAN, D. In PHYSICAL REVIEW D, 2015, vol. 91, 014035., WOS

ADCA17 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. (29.747 - IF2009). (2010 - Current Contents). ISSN 0036-8075.

Citácie:
1. [1.1] BOTTA, E. In RIVISTA DEL NUOVO CIMENTO, 2015, vol. 38, p. 387., WOS
2. [1.1] BOTVINA, A.S. In PHYSICS LETTERS B, 2015, vol. 742, p. 7-14., WOS
3. [1.1] COLOCCI, M. In JOURNAL OF PHYSICS CONFERENCE SERIES, 2015, vol. 612, 012065., WOS
4. [1.1] FELICIELLO, A. In REPORTS OF PROGRESS IN PHYSICS, 2015, vol. 78, 096301., WOS
5. [1.1] ILIEVA, M. In BULGARIAN CHEMICAL COMMUNICATIONS, 2015, vol. 47, p. 233-239., WOS
6. [1.1] LORENTE, A.S. In EPJ WEB OF CONFERENCES, 2015, vol. 95, 01013.,

WOS
7. [1.1] SUN, K.-J. In PHYSICS LETTERS B, 2015, vol. 751, p. 272-277., WOS
8. [1.1] ZHU, L. In PHYSICAL REVIEW C, 2015, vol. 92, 064911., WOS
9. [1.1] ZINCHENKO, A. In PHYSICS OF ATOMIC CULEI, 2015, vol. 78, p. 1497-1503., WOS

ADCA18 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. (7.180 - IF2008). (2009 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Citácie:
1. [1.1] NASIM, M. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E, 2015, vol. 24, 1550069., WOS

ADCA19 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. (7.180 - IF2008). (2009 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Citácie:
1. [1.1] BOLZ, A. In JOURNAL OF HIGH ENERGY PHYSICS, 2015, Iss. 1, 151., WOS

ADCA20 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-ioin collider. In Physical Review Letters, 2008, vol. 101, no. 25, 252301. (6.944 - IF2007). (2008 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Citácie:
1. [1.1] BECATTINI, F. In EUROPEAN PHYSICAL JOURNAL C, 2015, vol. 75, 406., WOS
2. [1.1] BOZEK, P. In P HYSICAL REVIEW C, 2010, VOL. 81, 054902., WOS
3. [1.1] van der SCHEE, W. In PHYSICAL REVIEW C, 2015, vol. 92, 064907., WOS

ADCA21 ABELEV, B.I. - AGGARWAL, M.M. - AHAMMED, Z. - ANDERSON, B.D. - ARKHIPKIN, D. - FILIP, Peter. Growth of long range forward-backward multiplicity correlations. In Physical Review Letters, 2009, vol. 103, no. 17, 172301. (7.180 - IF2008). (2009 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Citácie:
1. [1.1] BARI, W. IN ACTA PHYSICA POLONICA B, 2015, vol. 46, p. 2039., WOS
2. [1.1] BOZEK, P. In PHYSICAL REVIEW C, 2015, vol. 91, 054912., WOS
3. [1.1] BOZEK, P. In PHYSICAL REVIEW C, 2015, vol. 92, 054913., WOS
4. [1.1] OLSZEWSKI, A. In PHYSICAL REVIEW C, 2015, vol. 92, 024913., WOS
5. [1.1] VECHERNIN, V. In NUCLEAR PHYSICS A, 2015, vol. 939, p. 21., WOS

ADCA22 ABELEV, B.I. - AGGARWAL, M.M. - AHAMMED, Z. - ANDERSON, B.D. - ARKHIPKIN, D. - FILIP, Peter. Mass, quark-number and rot 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. (3.327 - IF2006). (2007 - Current Contents, WOS, SCOPUS). ISSN 2469-9985.

Citácie:
1. [1.1] BIRO, T. S. - HORVATH, M. - SCHRAM, Zs. Elliptic flow due to radiation in heavy-ion collisions. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2015, vol. 51, no. 7, 75., WOS

2. [1.1] CHRISTAKOGLOU, Panos. Experimental overview of collective flow with identified particles at RHIC and the LHC. In EPJ WEB OF CONFERENCES, 2015, vol. 90, UNSP 08004., WOS

ADCA23 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 sqrt(s)=200 GeV. In Physical Review C, 2008, vol. 77, no. 4, 044908. (3.302 - IF2007). (2008 - Current Contents, WOS, SCOPUS). ISSN 2469-9985.

Citácie:

1. [1.1] COLELLA, D. et al. In JOURNAL OF PHYSICS CONFERENCE SERIES, 2015, vol. 612, 012062., WOS

2. [1.1] ELIA, D. In EPJ WEB OF CONFERENCE, 2015, vol. 95, 03008., WOS

3. [1.1] ZHU, X. In PHYSICAL REVIEW C, 2015, vol. 91, 034904., WOS

4. [1.1] ZINCHENKO, A. In PHYSICS OF ATOMICS NUCLEI, 2015, vol. 78, p. 1497., WOS

ADCA24 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)=200GeV. In Physical Review C, 2008, vol. 77, no. 3, 034910. ISSN 0556-2813.

Citácie:

1. [1.1] BOLZ, A. et al. In JOURNAL OF HIGH ENERGY PHYSICS, 2015, 151, Iss. 1., WOS

2. [1.1] BROZ, M. In AIP CONFERENCE PROCEEDINGS, 2015, vol. 1654, 100005., WOS

3. [1.1] LEBIEDOWICZ, P. In PHYSICAL REVIEW D, 2015, vol. 91, 074023., WOS

ADCA25 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. (3.302 - IF2007). (2008 - Current Contents, WOS, SCOPUS). ISSN 2469-9985.

Citácie:

1. [1.1] TAKEUCHI, S. In PHYSICAL REVIEW C, 2015, vol. 92, 044907., WOS

2. [1.1] TOKAREV, M. In INTERNATIONAL JOURNAL OF MODERN PHYSICS-CONFERENCE SERIES, 2015, vol. 39., WOS

ADCA26 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. (3.124 - IF2008). (2009 - Current Contents, SCOPUS). ISSN 2469-9985.

Citácie:

1. [1.1] JENA, S. In JOURNAL OF PHYSICS CONFERENCE SERIES, 2015, vol. 612, 012047., WOS

ADCA27 ABELEV, B.I. - AGGARWAL, M.M. - AHAMMED, Z. - ANDERSON, B.D. - ARKHIPKIN, D. - FILIP, Peter. Hadronic resonance production in d+Au collisions at 200 GeV at RHIC. In Physical Review C, 2008, vol. 78, no. 4, 044906. (3.302 - IF2007). (2008 - Current Contents, WOS, SCOPUS). ISSN 2469-9985.

Citácie:

1. [1.1] LI, Bao-Ch. et al. In ADVANCES IN HIGH ENERGY PHYSICS, 2015, 684950., WOS

2. [1.1] MORIYA, K. In EPJ WEB OF CONFERENCES, 2015, vol. 97, 00021., WOS

ADCA28 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+Au collisions at sqrt(s)= 9.2 GeV. In Physical Review C, 2010, vol. 81, no. 2, 024911. (3.477 - IF2009). (2010 - Current Contents, SCOPUS). ISSN 2469-9985.

Citácie:

1. [1.1] BASHIR, I. et al. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A, 2015, vol. 30, 15501391., WOS

2. [1.1] BIQUET, A. et al. In EUROPEAN PHYSICAL JOURNAL A, 2015, vol. 51, 121., WOS

3. [1.1] COSTA, P. et al. In PHYSICAL REVIEW D, 2015, vol. 92, 036012., WOS

4. [1.1] DAS, S. In EPJ WEB OF CONFERENCES, 2015, vol. 90, 08007., WOS

5. [1.1] DAS, S. In EPJ WEB OF CONFERENCES, 2015, vol. 90, 10003., WOS

6. [1.1] FLOERCHINGER, S. In PHYSICAL REVIEW C, 2015, vol. 92, 064906., WOS

ADCA29 ABELEV, B.I. - AGGARWAL, M.M. - AHAMMED, Z. - ALAKHVERDYANTS, A.V. - ANDERSON, B.D. - FILIP, Peter. Charged and strange hadron elliptic flow in Cu+Cu collisions at sqrt(s)=62.4 and 200 GeV. In Physical Review C, 2010, vol. 81, 044902. (3.477 - IF2009). (2010 - Current Contents, SCOPUS). ISSN 2469-9985.

Citácie:

1. [1.1] ADARE, A. et al. In PHYSICAL REVIEW C, 2015, vol. 92, 034913., WOS

ADCA30 ABELEV, B.I. - AGGARWAL, M.M. - AHAMMED, Z. - ANDERSON, B.D. - ARKHIPKIN, D. - FILIP, Peter. Spectra of identified high-p(T)pi(+/-) and p((p)over-bar) in Cu + Cu sollisions. In Physical Review C, 2010, vol. 81, no. 5, 054907. (3.477 - IF2009). (2010 - Current Contents, SCOPUS). ISSN 2469-9985.

Citácie:

1. [1.1] BACK, B.B. et al. In PHYSICAL REVIEW C, 2015, vol. 92, 034915., WOS

2. [1.1] ZHENG, H. In ADVANCES IN HIGH ENERGY PHYSICS, 2015, 180491., WOS

ADCA31 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. (3.124 - IF2008). (2009 - Current Contents, SCOPUS). ISSN 2469-9985.

Citácie:

1. [1.1] RAFELSKI, J. et al. In PHYSICS OF PARTICLES AND NUCLEI, 2015, vol. 46, p. 748., WOS

2. [1.1] TAKEUCHI, S. I. In PHYSICAL REVIEW C, 2015, vol. 92, 044907., WOS

3. [1.1] TAWFIK, A.N. In INTERNATIONAL JOOURNAL OF MODERN PHYSICS E, 2015, vol. 24, 0550067, WOS

ADCA32 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 s(NN)=62.4 and 200 GeV. In Physical Review C : nuclear physics, 2009, vol. 80, no. 2, 024905. (3.124 - IF2008). (2009 - Current Contents, SCOPUS). ISSN 2469-9985.

Citácie:

1. [1.1] GAWRILIK, A.M. In NUCLEAR PHYSICS B, 2015, vol. 891, p. 466., WOS

2. [1.1] HABICH,M. In EUROPEAN PHYSICAL JOURNAL C, 2015, vol. 75, 15., WOS

3. [1.1] SETT, P. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E, 2015, vol. 24, 1550046., 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. (3.124 - IF2008). (2009 - Current Contents, SCOPUS). ISSN 2469-9985.

Citácie:

1. [1.1] DAI, W. et al. In PHYSICS LETTERS B, 2015, vol. 750, p. 390., WOS

2. [1.1] XU, J. et al. In CHINESE PHYSICS LETTERS, 2015, vol. 32, 092501., WOS

ADCA34 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. (3.477 - IF2009). (2010 - Current Contents, SCOPUS). ISSN 2469-9985.

Citácie:

1. [1.1] CAO, S. In PHYSICAL REVIEW C, 2015, vol. 92, 054909., WOS

2. [1.1] QIN, G.-Y. In INTERNATIONAL JOURNAL OF MODERN JPHYSICS E, 2015, vol. 24, 1530001., WOS

ADCA35 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, 64904. (3.477 - IF2009). (2010 - Current Contents, SCOPUS). ISSN 2469-9985.

Citácie:

1. [1.1] ZHENG, H. In ADVANCES IN HIGH ENERGY PHYSICS, 2015, 180491., WOS

2. [1.1] ZHENG, H. In PHYSICAL REVIEW D, 2015, vol. 92, 074009., WOS

ADCA36 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. (3.477 - IF2009). (2010 - Current Contents, SCOPUS). ISSN 2469-9985.

Citácie:

1. [1.1] BHOONAH, Amit - THOMAS, Evan - ZHITNITSKY, Ariel R. Metastable vacuum decay and theta dependence in gauge theory. Deformed QCD as a toy model. In NUCLEAR PHYSICS B. ISSN 0550-3213, 2015, vol. 890, no., pp. 30., WOS

2. [1.1] BLOCZYNSKI, John - HUANG, Xu-Guang - ZHANG, Xilin - LIAO, Jinfeng. Charge-dependent azimuthal correlations from AuAu to UU collisions. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2015, vol. 939, no., pp. 85., WOS

3. [1.1] BRAGUTA, V. V. - GOI, V. A. - ILGENFRITZ, M. - KOTOV, A. Yu. - MOLOCHKOV, A. V. - MUELLER-PREUSSKER, M. Study of the phase diagram of SU(2) quantum chromodynamics with nonzero chirality. In JETP LETTERS. ISSN 0021-3640, 2015, vol. 100, no. 9, pp. 547., WOS

4. [1.1] BRAGUTA, V. V. - GOY, V. A. - ILGENFRITZ, E. M. - KOTOV, A. Yu. - MOLOCHKOV, A. V. - MULLER-PREUSSKER, M. - PETERSSON, B. Two-color QCD with non-zero chiral chemical potential. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 6, 094., WOS

5. [1.1] CHATTERJEE, Sandeep - TRIBEDY, Prithwish. Separation of flow from the chiral magnetic effect in U plus U collisions using spectator asymmetry. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 92, no. 1, 011902., WOS

6. [1.1] DENG, Wei-Tian - HUANG, Xu-Guang. Electric fields and chiral magnetic effect in Cu plus Au collisions. In PHYSICS LETTERS B. ISSN

0370-2693, 2015, vol. 742, no., pp. 296., WOS
7. [1.1] GORBAR, E. V. - MIRANSKY, V. A. - SHOVKOVY, I. A. - SUKHACHOV, P. O. Chiral separation and chiral magnetic effects in a slab: The role of boundaries. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 92, no. 24, 245440., WOS
8. [1.1] KHARZEEV, Dmitri E. Topology, Magnetic Field, and Strongly Interacting Matter. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 65. ISSN 0163-8998, 2015, vol. 65, no., pp. 193., WOS
9. [1.1] LEE, Su Kyeong - KIM, Eun-Joo - CHOI, Jong Bum. Gluon Propagation in Curved Space. In JOURNAL OF THE KOREAN PHYSICAL SOCIETY. ISSN 0374-4884, 2015, vol. 67, no. 2, pp. 295., WOS
10. [1.1] ONDERWAATER, Jacobus. Charge dependence of identified two-hadron correlation relative to the reaction plane in Pb-Pb collisions measured with ALICE. In HOT QUARKS 2014: WORKSHOP FOR YOUNG SCIENTISTS ON THE PHYSICS OF ULTRARELATIVISTIC NUCLEUS-NUCLEUS COLLISIONS. ISSN 1742-6588, 2015, vol. 612, 012044., WOS
11. [1.1] QIAN, Yachao - ZAHED, Ismail. P-odd pion azimuthal charge correlations in heavy ion collisions. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2015, vol. 940, no., pp. 227., WOS
12. [1.1] RAJAGOPAL, Krishna - SADOFYEV, Andrey V. Chiral drag force. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, vol., no. 10, 018., WOS
13. [1.1] SOHRABI, Kiyoumars A. Microscopic study of vorticities in relativistic chiral fermions. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 3, 014., WOS
14. [1.1] TAGHAVI, Seyed Farid - WIEDEMANN, Urs Achim. Chiral magnetic wave in an expanding QCD fluid. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 91, no. 2, 024902., WOS
15. [1.1] TAWFIK, A. - SHALABY, Asmaa G. Balance Function in High-Energy Collisions. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2015, 086812., WOS
16. [1.1] YU, Lang - VAN DOORSSELAERE, Jos - HUANG, Mei. Inverse Magnetic Catalysis in the three-flavor NJL model with axial-vector interaction. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 7, 074011., WOS
17. [1.1] ZHITNITSKY, Ariel R. The topological long range order in QCD. Applications to heavy ion collisions and cosmology. In 3RD INTERNATIONAL CONFERENCE ON NEW FRONTIERS IN PHYSICS. ISSN 2100-014X, 2015, vol. 95, 03041., WOS

ADCA37 ABELEV, B.I. - AGGARWAL, M.M. - AHAMMED, Z. - ANDERSON, B.D. - ARKHIPKIN, D. - FILIP, Peter. Long range rapidity correlations and jet production in high enerhy nuclear collisions. In Physical Review C, 2009, vol. 80, no. 6, 064912. (3.124 - IF2008). (2009 - Current Contents, SCOPUS). ISSN 2469-9985.

Citácie:

1. [1.1] ALTINOLUK, T. et al. In PHYSICS LETTERS B, 2015, vol. 751, p. 448., WOS
2. [1.1] PEREZ, L.E. et al. In JOURNAL OF PHYSICS CONFERENCE SERIES, 2015, vol. 578, 012005., WOS
3. [1.2] BAI, Ting - GUO, Yuan Yuan - LI, Bao Chun. Dihadron Azimuthal Correlations in p-p Collisions at √ <inf>SNN</inf> = 7 TeV and p-Pb Collisions at √ <inf>SNN</inf> = 5.02 TeV. In Advances in High Energy Physics. ISSN 16877357, 2015-01-01, 2015, 190714., SCOPUS

4. [1.2] GELIS, François. Initial state and thermalization in the Color Glass Condensate framework. In International Journal of Modern Physics E. ISSN 02183013, 2015-01-01, 24, 10, 1530008., SCOPUS
5. [1.2] NASIM, Md. Using spectator distributions to measure the initial geometry fluctuation. In International Journal of Modern Physics E. ISSN 02183013, 2015-01-01, 24, 10, 1550069., SCOPUS
6. [1.2] PREGHENELLA, Roberto. Experimental overview of p(d)-A physics. In Journal of Physics: Conference Series. ISSN 17426588, 2015-01-01, 612, 1, 012017., SCOPUS
7. [1.2] ROLAND, Gunther. Long-range correlations in high multiplicity pp and pA collisions. In Pramana Journal of Physics. ISSN 03044289, 2015-01-01, 84, 5, pp. 731-746., SCOPUS
8. [1.2] VECHERNIN, Vladimir. Forward-backward correlations between multiplicities in windows separated in azimuth and rapidity. In Nuclear Physics A. ISSN 03759474, 2015-07-01, 939, pp. 21-45., SCOPUS
9. [1.2] VENUGOPALAN, Raju. Long range correlations in high multiplicity hadron collisions: Building bridges with ridges. In Annals of Physics. ISSN 00034916, 2015-01-01, 352, 1, pp. 108-116., SCOPUS

ADCA38 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 collisons at root s(NN)=200 GeV. In Physical Review C. Nuclear Physics, 2016, vol. 80, no. 4, 041902. (3.146 - IF2015). (2016 - Current Contents, WOS, SCOPUS). ISSN 2469-9985.

Citácie:

1. [1.1] KUREPIN, A.B. In ADVANCES IN HIGH ENERGY PHYSICS, 2015, 760840., WOS
2. [1.1] SONG, T. et al. In PHYSICAL REVIEW C, 2015, vol. 91, 044909., WOS
3. [1.1] TRZECIAK B. In JOURNAL OF PHYSICS CONFERENCE SERIES, 2015, vol. 612, 012038., WOS

ADCA39 ADAMCZYK, L. - AGAKISHIEV, G. - AGGARWAL, M.M. - AHAMMED, Z. - ALAKHVERDYANTS, A.V. - FILIP, Peter. Inclusive charged hadron elliptic flow in Au+Au collisions. In Physical Review C, 2012, vol. 86, no. 5, 054908. (3.308 - IF2011). (2012 - Current Contents, WOS, SCOPUS). ISSN 2469-9985.

Citácie:

1. [1.1] FERNANDEZ, D. In JOURNAL OF HIGH ENERGY PHYSICS, 2015, no. 7, 126., WOS
2. [1.1] IVANOV, Yu.B. In PHYSICAL REVIEW C, 2015, vol. 91, 024914., WOS
3. [1.1] KARPENKO, Yu. A. In JOURNAL OF PHYSICS CONFERENCE SERIES, 2015, vol. 612, 012052., WOS
4. [1.1] KARPENKO, Yu.A. In PHYSICAL REVIEW C, 2015, vol. 91, 064901., WOS
5. [1.1] KOOP, J.D. In PHYSICAL REVIEW C, 2015, vol. 92, 054903., WOS
6. [1.1] ROUGEMONT, R. In PHYSICAL REVIEW LETTERS, 2015, vol. 115, 202301., WOS
7. [1.1] SNELLINGS, R. In EPJ WEB OF CONFERENCES, 2015, vol. 97, 00025., WOS

ADCA40 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. (7.512 - IF2014). (2015 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Citácie:

1. [1.1] GORBAR, E.V. In PHYSICAL REVIEW B, 2015, vol. 92, 245440., WOS
2. [1.1] JIMENEZ-ALBA, A. In PHYSICAL REVIEW D, 2015, vol. 92, 014023., WOS

ADCA41 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. (7.943 - IF2012). (2013 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Citácie:
1. [1.1] CHRISTAKOKOGLOU, P. In EPJ WEB OF CONFERENCES, 2015, vol. 90, UNSP 08004., WOS
2. [1.1] SCHEIB, T. In JOURNAL OF PHYSICS CONFERENCE SERIES, 2015, vol. 599, 012030., WOS
3. [1.1] SNELLINGS, R. In EPJ WEB OF CONFERENCES, 2015, vol. 97, 00025., WOS
4. [1.1] TAGHAVI, S.F. In PHYSICAL REVIEW C, 2015, vol. 91, 024902., WOS

ADCA42 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. (7.728 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Citácie:
1. [1.1] BRATKOVSKAYA, E.L. In ASTRONOMISCHE NACHRICHTEN, 2015, vol. 336, p. 825., WOS
2. [1.1] CASSING, W. In EPJ WEB OF CONFERENCES, 2015, vol. 95, 01004., WOS
3. [1.1] IVANOV, Yu.B. In PHYSICAL REVIEW C, 2015, vol. 91, 024915., WOS
4. [1.1] KONCHAKOVKSI, V.P. In JOURNAL OF PHYSICS CONFERENCE SERIES, 2015, vol. 612, 012055., WOS
5. [1.1] RYBICKI, A. In ACTA PHYSICA POLONICA B, 2015, vol. 46, p. 737., WOS

ADCA43 ADAMCZYK, L. - AGAKISHIEV, G. - AGGARWAL, M.M. - AHAMMED, Z. - ALAKHVERDYANTS, A.V. - FILIP, Peter. Directed flow of identified particles in Au+Au collisions at S\sqrtsNN=200 GeV at RHIC. In Physical Review Letters, 2012, vol. 108, 202301. (7.370 - IF2011). (2012 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Citácie:
1. [1.1] LI, B.-Ch. In ADVANCES IN HIGH ENERGY PHYSICS, 2015, 684950., WOS

ADCA44 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. (4.558 - IF2011). (2012 - Current Contents). ISSN 1550-7998.

Citácie:
1. [1.1] BEPPU, H. In EPJ WEB OF CONFERENCES, 2015, vol. 85, 02012., WOS
2. [1.1] BOER, D. In ADVANCES IN HIGH ENERGY PHYSICS, 2015, 371396., WOS
3. [1.1] DESHPANDE, A. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS, 2015, Iss. 3, 03A107., WOS
4. [1.1] D´ALESIO, U. In JOURNAL OF HIGH ENERGY PHYSICS, 2015, Iss. 9,

119., WOS
5. [1.1] KANAZAWA, K. In ADVANCES IN HIGH ENERGY PHYSICS, 2015, 257934., WOS
6. [1.1] KANAZAWA, K. In PHYSICS LETTERS B, 2015, vol. 744, p. 385., WOS
7. [1.1] KOIKE, Y. In PHYSICAL REVIEW D, 2015, vol. 92, 094011., WOS

ADCA45 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 SNN= 200 GeV. In Physical Review C, 2013, vol. 88, no. 1, 014904. (3.715 - IF2012). (2013 - Current Contents, WOS, SCOPUS). ISSN 2469-9985.

Citácie:
1. [1.1] BHALERAO, R.S. In PHYSICAL REVIEW C, 2015, vol. 92, 014903., WOS
2. [1.1] CAO, S. In JOURNAL OF PHYSICS G, 2015, vol. 42, 125104., WOS
3. [1.1] CAO, S. In PHYSICAL REVIEW C, 2015, vol. 92, 054909., WOS
4. [1.1] CAO, S. In PHYSICAL REVIEW C, 2015, vol. 92M 024907., WOS
5. [1.1] FLOERCHINGER, S. In PHYSICAL REVIEW C, 2015, vol. 92, 064906., WOS
6. [1.1] KARPENKO, Iu. A. In PHYSICAL REVIEW C, 2015, vol. 91, 064901., WOS
7. [1.1] KOVNER, A. In PHYSICAL REVIEW D, 2015, vol. 92, 074045., WOS
8. [1.1] SONG, H. In PRAMANA, 2015, vol. 84, p. 703., WOS

ADCA46 ADAMCZYK, L. - AGAKISHIEV, G. - AGGARWAL, M.M. - AHAMMED, Z. - ALAKHVERDYANTS, A.V. - FILIP, Peter. Measurements of D0 and D* production on p + p collisions. In Physical Review D, 2012, vol. 86, 072013. (4.558 - IF2011). (2012 - Current Contents). ISSN 1550-7998.

Citácie:
1. [1.1] ARGUEELLES, C.A. In PHYSICAL REVIEW D, 2015, vol. 92, 074040., WOS
2. [1.1] CAO, S. In PHYSICAL REVIEW C, 2015, vol. 92, 054909., WOS
3. [1.1] RIEHN, F. In EPJ WEB OF CONFERENCES, 2015, vol. 99, 10001., WOS
4. [1.1] SONG, T. In PHYSICAL REVIEW C. 2015, vol. 92, 014910., WOS

ADCA47 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 S= 200 GeV. In Physical Review D, 2014, vol. 89, no. 1, 012001. (4.864 - IF2013). (2014 - Current Contents). ISSN 1550-7998.

Citácie:
1. [1.1] de FLORIAN, D. In PHYSICAL REVIEW D, 2015, vol. 91, 014035., WOS

ADCA48 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\sort {s}=200 GeV. In Physical Review D, 2012, vol. 86, 051101. (4.558 - IF2011). (2012 - Current Contents). ISSN 1550-7998.

Citácie:
1. [1.1] AIDALA, Ch. A. In EPJ WEB OF CONFERENCES, 2015, vol. 85, 03001., WOS
2. [1.1] BEPPU, H. In EPJ WEB OF CONFERENCES, 2015, vol. 85, 02012., WOS
3. [1.1] BOER, D. In ADVANCES IN HIGH ENERGY PHYSICS, 2015, 371396., WOS
4. [1.1] KANAZAWA, K. In ADVANCES IN HIGH ENERGY PHYSICS, 2015,

257934., WOS
5. [1.1] KANAZAWA, K. In FEW-BODY SYSTEMS, 2015, vol. 56, p. 343., WOS
6. [1.1] KANAZAWA, K. In PHYSICAL REVIEW D, 2015, vol. 91, 014013., WOS
7. [1.1] KANAZAWA, K. In PHYSICS LETTERS B, 2015, vol. 742, p. 340., WOS
8. [1.1] KANAZAWA, K. In PHYSICS LETTERS B, 2015, vol. 744, p. 385., WOS
9. [1.1] KLEINJAN, D. In EPJ WEB OF CONFERENCES, 2015, vol. 85, 02029., WOS
10. [1.1] KOIKE, Y. In PHYSICAL REVIEW D, 2015, vol. 92, 094011., WOS
11. [1.1] KUMAR, N. In EUROPEAN PHYSICAL JOURNAL A, 2015, vol. 51, Iss 4, 51., WOS
12. [1.1] LU, Z. In PHYSICS LETTERS B, 2015, vol. 747, p. 357., WOS
13. [1.1] METZ, A. In FEW-BODY SYSTEMS, 2015, vol. 56, p. 331., WOS
14. [1.1] PERDEKAMP, M.G. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, 2015, vol. 65, p. 429., WOS
15. [1.1] PITONYAK, D. In EPJ WEB OF CONFERENCES, 2015, vol. 85, 02013., WOS
16. [1.1] PROKUDIN, A. In EPJ WEB OF CONFERENCES, 2015, vol. 85, 02028., WOS

ADCA49 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. (7.728 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Citácie:
1. [1.1] APOLINARIO, R. In JOURNAL OF HIGH ENERGY PHYSICS, 2015, Iss. 2, 119., WOS

ADCA50 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. (7.728 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Citácie:
1. [1.1] ALBRIGHT, M. In PHYSICAL REVIEW C, 2015, vol. 92, 044904., WOS
2. [1.1] BRAUN-MUNZINGER, P. In PHYSICS LETTERS B, 2015, vol. 747, p. 292., WOS
3. [1.1] BZDAK, A. In PHYSICAL REVIEW C, 2015, vol. 91, 027901., WOS
4. [1.1] COSTA, P. In PHYSICAL REVIEW D, 2015, vol. 92, 036012., WOS
5. [1.1] DING, H.-T. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E, 2015, vol. 24, 1530007., WOS
6. [1.1] FLOERCHINGER, S. In PHYSICAL REVIEW C, 2015, vol. 92, 064906., WOS
7. [1.1] FU, W.-J. In PHYSICAL REVIEW D, 2015, vol. 92, 116006., WOS
8. [1.1] FUKUSHIMA, K. IN PHYSICAL REVIEW C, 2015, vol. 91, 044910., WOS
9. [1.1] GAVAI, R.V. In PHYSICS LETTERS B, 2015, vol. 749, p. 8-13., WOS
10. [1.1] GAVAI, R.V. In PRAMANA, 2015, vol. 84, no. 5, p. 757., WOS
11. [1.1] HEROLD, Ch. In JOURNAL OF PHYSICS CONFERENCE SERIES, 2015, vol. 599, 012012., WOS
12. [1.1] ICHIHARA, T. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS, 2015, Iss. 11, 113D01., WOS
13. [1.1] KITAZAWA, M. In NUCLEAR PHYSICS A, 2015, vol. 942, p. 65., WOS
14. [1.1] MISHRA, D.K. In JOURNAL OF PHYSICS G, 2015, vol. 42, 105105.,

WOS
15. [1.1] MORITA, K. In PHYSICAL REVIEW D, 2015, vol. 92, 114507., WOS
16. [1.1] MORITA, K. In PHYSICS LETTERS B, 2015, vol. 741, p. 178., WOS
17. [1.1] MORITA, K. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS, 2015, Iss. 4, 043D03., WOS
18. [1.1] NAGATA, K. In PHYSICAL REVIEW D, 2015, vol. 91, 094507., WOS
19. [1.1] NAHRGANG, M. In JOURNAL OF PHYSICS CONFERENCE SERIES, 2015, vol. 612, 012042., WOS
20. [1.1] SOLTZ, R.A. In ANNUAL REVIEW OF NUCLEAR PARTICLE SCIENCE, 2015, vol. 65, p. 379., WOS
21. [1.1] VOVCHENKO, V. In PHYSICAL REVIEW C, 2015, vol. 92, 054901., WOS

ADCA51 ADAMCZYK, L. - ADKINS, J.K. - AGAKISHIEV, G. - AGGARWAL, M.M. - AHAMMED, Z. - FILIP, Peter. Long-range pseudorapidity dihadron correlations in d+Au collisions. In Physics Letters B, 2015, vol. 747, p. 265-271. (6.131 - IF2014). (2015 - Current Contents, WOS, SCOPUS). ISSN 0370-2693.

Citácie:
1. [1.1] KOVNER, A. In PHYSICAL REVIEW D, 2015, vol. 92, 074045., WOS

ADCA52 ADAMCZYK, L. - ADKINS, J.K. - AGAKISHIEV, G. - AGGARWAL, M.M. - AHAMMED, Z. - FILIP, Peter. Effect of event selection of jetlike correlation measurement in d+Au collisions at 200 GeV. In Physics Letters B, 2015, vol. 743, p. 333-339. (6.131 - IF2014). (2015 - Current Contents, WOS, SCOPUS). ISSN 0370-2693.

Citácie:
1. [1.1] KOOP, J.D.O. In PHYSICS LETTERS B, 2015, vol. 743, 054903., WOS

ADCA53 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 root S-NN=200 GeV. In Physics Letters B, 2014, vol. 735, p. 127-137. (6.019 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 0370-2693.

Citácie:
1. [1.1] FENG, Yu. In EUROPEAN PHYSICAL JOURNAL C, 2015, vol. 75, 313., WOS
2. [1.1] LANDSBERG, J.-P. In NUCLEAR PHYSICS B, 2015, vol. 900, p. 273., WOS
3. [1.1] LIU, S.Y.F. In NUCLEAR PHYSICS A, 2015, vol. 941, p. 179., WOS
4. [1.1] LIU, Y. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E, 2015, vol. 24, 1530015., WOS
5. [1.1] VOGT, R. In PHYSICAL REVIEW C, 2015, vol. 92, 0354909., WOS

ADCA54 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. (4.569 - IF2012). (2013 - Current Contents, WOS, SCOPUS). ISSN 0370-2693.

Citácie:
1. [1.1] BOURRELY, C. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A, 2015, vol. 30, 1542006., WOS
2. [1.1] SIKORA, R. In PROCEEDINGS OF SPIE, 2015, vol. 9662, 96622F., WOS

ADCA55 ADAMCZYK, L. - AGAKISHIEV, G. - AGGARWAL, M.M. - AHAMMED, Z. - ALAKHVERDYANTS, A.V. - FILIP, Peter. J/psí production at high transverse momenta in p+p and Au+Au collisions at SNN= 200 GeV. In Physics Letters B,

2013, vol. 722, no. 1-3, p. 55-62. (4.569 - IF2012). (2013 - Current Contents, WOS, SCOPUS). ISSN 0370-2693.

Citácie:

1. [1.1] ARNALDI, R. In EPJ WEB OF CONFERENCES, 2015, vol. 97, 00002., WOS

2. [1.1] ZHENG, H. In ADVANCES IN HIGH ENERGY PHYSICS, 2015, 180491., WOS

ADCA56 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. (7.728 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Citácie:

1. [1.1] AICHELIN, L. In JOURNAL OF PHYSICS CONFERENCE SERIES, 2015, vol. 623, 012002., WOS

2. [1.1] BERAUDO, A. In JOURNAL OF PHYSICS CONFERENCE SERIES, 2015, vol. 612, 012035., WOS

3. [1.1] CAO, S. In PHYSICAL REVIEW C, 2015, vol. 92, 054909., WOS

4. [1.1] CAO, S. In PHYSICAL REVIEW C, 2015, vol. 92, 024907., WOS

5. [1.1] HE, M. In PHYSICAL REVIEW C, 2015, vol. 91, 024904., WOS

6. [1.1] LIU, S. Y.F. In NUCLEAR PHYSICS A, 2015, vol. 941, p. 179., WOS

7. [1.1] SARASWAT, K. In NUCLEAR PHYSICS A, 2015, vol. 943, p. 83-100., WOS

8. [1.1] SONG, T. In PHYSICAL REVIEW C, 2015, vol. 92, 014910., WOS

9. [1.1] ZHOU, K. In ADVANCES IN HIGH ENERGY PHYSICS, 2015, 439689., WOS

ADCA57 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. (7.728 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Citácie:

1. [1.1] BRAGUTA, V.V. In JOURNAL OF HIGH ENERGY PHYSICS, 2015, Iss. 6, 094., WOS

2. [1.1] IATRAKIS, I. In JOURNAL OF HIGH ENERGY PHYSICS, 2015, Iss. 9, 030., WOS

3. [1.1] KHARZEEV, D.E. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, 2015, vol. 65, p. 193., WOS

4. [1.1] MIRANSKY, V.A. In PHYSICS REPORTS, 2015, vol. 576, p. 1-209., WOS

5. [1.1] RAJAGOPAL, G. In JOURNAL OF HIGH ENERGY PHYSICS, 2015, Iss. 10, 018., WOS

6. [1.1] STEPHANOV, M. In PHYSICAL REVIEW D, 2015, vol. 91, 125014., WOS

ADCA58 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. In Physical Review Letters, 2015, vol. 115, 092002. (7.512 - IF2014). (2015 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Citácie:

1. [1.1] ZAVADA, P. In PHYSICS LETTERS B, 2015, vol. 751, p. 525-531., WOS

ADCA59 ADAMCZYK, L. - ADKINS, J.K. - AGAKISHIEV, G. - AGGARWAL, M.M. - AHAMMED, Z. - FILIP, Peter. Lambda Lambda Correlation Function in Au+Au

collisions at sqrt s NN = 200 GeV. In Physical Review Letters, 2015, vol. 114, 022301. (7.512 - IF2014). (2015 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Citácie:

1. [1.1] MORITA, K. In EPJ WEB OF CONFERENCE, 2015, vol. 97, 00020., WOS

2. [1.1] MORITA, K. In PHYSICAL REVIEW C, 2015, vol. 91, 024916., WOS

3. [1.1] SHAPOVAL, V.M. In PHYSICAL REVIEW C, 2015, vol. 92, 044910., WOS

4. [1.1] WU, Ch. In EPL, 2015, vol. 110, 42001., WOS

ADCA60 ADAMCZYK, L. - ADKINS, J.K. - AGAKISHIEV, G. - AGGARWAL, M.M. - AHAMMED, Z. - FILIP, Peter. Elliptic flow of identified hadrons in Au+Au collisions at SNN= 7.7 -62.4 GeV. In Physical Review C, 2013, vol. 88, 014902. (3.715 - IF2012). (2013 - Current Contents, WOS, SCOPUS). ISSN 2469-9985.

Citácie:

1. [1.1] CHRISTAKOGLOU, P. In EPJ WEB OF CONFERENCES, 2015, vol. 90, UNSP 08004., WOS

2. [1.1] ESPOSITO,M A. In PHYSICS LETTERS B, 2015, vol. 747, p. 433., WOS

3. [1.1] GERAKSIEV, N.S. In BULGARIAN CHEMICAL COMMUNICATIONS, 2015, vol. 47, p. 240., WOS

4. [1.1] GERAKSIEV, N.S. In PHYSICS OF ATOMIC NUCLEI, 2015, vol. 78, p. 1504., WOS

5. [1.1] HE, Min. In PHYSICAL REVIEW C, 2015, vol. 91, 024904., WOS

6. [1.1] HEINZ, U. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A, 2015, vol. 30, 1530011., WOS

7. [1.1] IVANOV, Yu, B. In PHYSICAL REVIEW C, 2015, vol. 91, 024914., WOS

8. [1.1] SNELLINGS, R. In EPJ WEB OF CONFERENCES, 2015, vol. 97, 00025., WOS

9. [1.1] ZABRODIN, E. In EPJ WEB OF CONFERENCES, 2015, vol. 95, 03039., WOS

ADCA61 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. In Physical Review D, 2012, vol. 85, no. 9, 92010. (4.558 - IF2011). (2012 - Current Contents). ISSN 1550-7998.

Citácie:

1. [1.1] DESHPANDE, A. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS, 2015, Iss. 3, 03A107., WOS

2. [1.1] GRAFSTROEM, P. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS, 2015, vol. 81, p. 97., WOS

3. [1.1] LANBERG, J.P. In ADVANCES IN HIGH ENERGY PHYSICS, 2015, 249167., WOS

ADCA62 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. (3.881 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 2469-9985.

Citácie:

1. [1.1] GORBAR, E.V. In PHYSICAL REVIEW B, 2015, vol. 92, 245440., WOS

2. [1.1] MIRANSKY, V.A. In PHYSICS REPORTS, 2015, vol. 576, p. 1., WOS

3. [1.1] TAGHAVI, S.F. In PHYSICAL REVIEW C, 2015, vol. 91, 024902., WOS

ADCA63 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 SNN=200 GeV Au+Au collisions at the BNL relativistic heavy ion collider. In Physical Review C, 2013, vol. 88, 064911. (3.715 - IF2012). (2013 - Current Contents, WOS, SCOPUS). ISSN 2469-9985.

Citácie:

1. [1.1] JIANG, Y. In PHYSICAL REVIEW D, 2015, vol. 92, 071501., WOS

2. [1.1] ONDERWAATER, J. In JOURNAL OF PHYSICS CONFERENCE SERIES, 2015, vol. 612, 012044., WOS

3. [1.1] RAJAGOPAL, K. In JOURNAL OF HIGH ENERGY PHYSICS, 2015, Iss. 10, 018., WOS

ADCA64 ADAMCZYK, L. - ADKINS, J.K. - AGAKISCHIEV, G. - AGGARWAL, M.M. - AHAMMED, Z. - FILIP, Peter. Dielectron mass spectra from Au plus Au collisions ast root s(NN)=200 Ge V. In Physical Review Letters, 2014, vol. 113, no. 2, 022301. (7.728 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Citácie:

1. [1.1] DAHMS, T. In EPJ WEB OF CONFERENCES, 2015, vol. 97, 00011., WOS

2. [1.1] ENDRES, S. In PHYSICAL REVIEW C, 2015, vol. 92, 014911., WOS

3. [1.1] GIRAUD, O. In PHYSICAL REVIEW LETTERS, 2015, vol. 114, 080401., WOS

4. [1.1] KIM, T. In PHYSICAL REVIEW D, 2015, vol. 92, 114014., WOS

5. [1.1] SAKAGUCHI, T. In PRAMANA, 2015, vol. 84, p. 845., WOS

ADCA65 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. (7.728 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Citácie:

1. [1.1] AIDALA, Ch.A. In EPJ WEB OF CONFERENCES, 2015, vol. 85, 03001., WOS

2. [1.1] BOURRELY, C. In NUCLEAR PHYSICS A, 2015, vol. 941, p. 307., WOS

3. [1.1] LANSBERG, J.P. In ADVANCES IN HIGH ENERGY PHYSICS, 2015, 249167., WOS

4. [1.1] QIU, J.-W. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS, 2015, Iss. 3, 03A 106., WOS

5. [1.1] RINGER, F. In PHYSICAL REVIEW D, 2015, vol. 91, 094033., WOS

6. [1.1] SOFFER, J. In AIP CONFERENCE PROCEEDINGS, 2015, vol. 1654, 060003., WOS

ADCA66 ADAMCZYK, L. - ADKINS, J.K. - AGAKISHIEV, G. - AGGARWAL, M.M. - AHAMMED, Z. - FILIP, Peter. Suppression of upsilon production in d+Au and Au+Au collisons at root s(NN)=200 GeV. In Physics Letters B, 2015, vol. 743, p. 537-541. (6.131 - IF2014). (2015 - Current Contents, WOS, SCOPUS). ISSN 0370-2693.

Citácie:

1. [1.1] LANSBERG, J.-P. In NUCLEAR PHYSICS B, 2015, vol. 900, p. 273-294., WOS

2. [1.1] VOGT, R. In PHYSICAL REVIEW C, 2015, vol. 92, 034909., WOS

ADCA67 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. (3.881 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 2469-9985.

Citácie:

1. [1.1] DAHMS, T. In EPJ WEB OF CONFERENCES, 2015, vol. 97, 00011., WOS

2. [1.1] SAKAGUCHI, T. In PRAMANA, 2015, vol. 84, p. 845-859., WOS

ADCA68 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. (3.881 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 2469-9985.

Citácie:

1. [1.1] KUREPIN, A.B. In ADVANCES IN HIGH ENERGY PHYSICS, 2015, 760840., WOS

2. [1.1] LIU, Y. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E, 2015, vol. 24, Iss. 11, 1530015., WOS

ADCA69 ADAMCZYK, L. - ADKINS, J.K. - AGAKISHIEV, G. - AGGARWAL, M.M. - AHAMMED, Z. - FILIP, Peter. Beam energy dependence od moments of the net-charge multiplicity distributions in Au plus Au collisions at RHIC. In Physical Review Letters, 2014, vol. 113, no. 9, 092301. (7.728 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Citácie:

1. [1.1] BLUHM, M. In JOURNAL OF PHYSICS CONFERENCE SERIES, 2015, vol. 612, 012041, WOS

2. [1.1] COSTA, P. In PHYSICAL REVIEW D, 2015, vol. 92, 036012, WOS

3. [1.1] DING, H.-T. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E, 2015, vol. 24, 1530007., WOS

4. [1.1] DU, Y.-L. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A, 2015, vol. 30, 1550199., WOS

5. [1.1] ICHIHARA, T. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS, 2015, iSS. 11, 113D01., WOS

6. [1.1] KITAZAWA, M. In NUCLEAR PHYSICS A, 2015, vol. 942, p. 65., WOS

7. [1.1] LU, Y. In EUROPEAN PHYSICAL JOURNAL C, 2015, vol. 75, 495., WOS

8. [1.1] MORITA, K. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS, 2015, Iss. 4, 043D03., WOS

9. [1.1] MUKHERJEE, S. In PHYSICAL REVIEW C, 2015, vol. 92, 034912., WOS

10. [1.1] NAGATA, K. In PHYSICAL REVIEW D, 2015, vol. 91, 094507., WOS

11. [1.1] NAHRGANG, M. In JOURNAL OF PHYSICS CONFERENCE SERIES, 2015, vol. 612, 012042., WOS

12. [1.1] SAKAIDA, M. In JOURNAL OF PHYSICS CONFERENCE SERIES, 2015, vol. 612, 012046., WOS

13. [1.1] SOLTZ, R.A. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, 2015, vol. 65, p. 379., WOS

14. [1.1] VOVCHENKO, V. In PHYSICAL REVIEW C, 2015, vol. 92, 054901., WOS

ADCA70 ADAMS, J. - AGGARWAL, M.M. - AHAMMED, Z. - AMONETT, J. - ANDERSON, B.D. - FILIP, Peter. Transverse-momentum p(t)correlations on (eta, phi) from mean-p(t) fluctuations in Au-Au collisions. In Journal of Physics G, 2006, vol. 32, no. 6, l37-L48. (2.173 - IF2005). (2006 - Current Contents ; 2006 - Current Contents, WOS, SCOPUS). ISSN 0954-3899.

Citácie:

1. [1.1] BZDAK, Adam - SKOKOV, Vladimir. Multi-particle eccentricities in collisions dominated by fluctuations. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2015, vol. 943, pp. 1., WOS

ADCA71 ADAMS, J. - AGGARWAL, J. - AHAMMED, Z. - ANDERSON, B.D. - ARKHIPKIN, D. - FILIP, Peter. Proton-Lambda correlations in central Au+Au colllisions at root s(NN)=200GeV. In Physical Review C, 2006, vol. 74, no. 6, 064906. (3.610 - IF2005). (2006 - Current Contents, SCOPUS). ISSN 2469-9985.

Citácie:

1. [1.1] SHAPOVAL, V. M. - SINYUKOV, Yu M. - NABOKA, V. Yu. Proton-Lambda correlation functions at energies available at the CERN Large Hadron Collider taking into account residual correlations. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 92, no. 4, 044910., WOS

ADCA72 ADAMS, J. - AGGARWAL, M.M. - AHAMMED, Z. - AMONETT, J. - ANDERSON, B.D. - FILIP, Peter. Minijet deformation and charge-independent angular corelations on momentum subspace (eta, phi) in AU-Au collisions at root s-NN=130 GeV. In Physical Review C, 2006, vol. 73, no. 6, 064907. (3.610 - IF2005). (2006 - Current Contents, SCOPUS). ISSN 2469-9985.

Citácie:

1. [1.1] ANDRES, C. et al. In EPJ WEB OF CONFERENCES, 2015, vol. 90, UNSP 08003., WOS

2. [1.1] ANDRES, C. et al. In PHYSICAL REVIEW C, 2015, vol. 92, 034901., WOS

3. [1.1] WONG, Cheuk-Yin et al. In PHYSICAL REVIEW D, 2015, vol. 91, 114027., WOS

ADCA73 ADAMS, J. - AGGARWAL, M.M. - AHAMMED, Z. - AMONETT, J. - ANDERSON, B.D. - FILIP, Peter. Directed flow in Au plus Au collisions at root s(NN)=62.4 GeV. In Physical Review C, 2006, vol. 73, no. 3, 034903. (3.610 - IF2005). (2006 - Current Contents, SCOPUS). ISSN 2469-9985.

Citácie:

1. [1.1] IVANOV, Yu.b.- SOLDATOV, A.A. In PHYSICAL REVIEW C, 2015, vol. 91, 024914., WOS

ADCA74 ADAMS, J. - ADLER, C. - AGGARWAL, M.M. - AHAMMED, Z. - AMONETT, J. - FILIP, Peter. Azimuthal anisotropy in Au+Au collisions at (odmocnina) SNN=200 GeV. In Physical Review C, 2005, vol. 72, no. 1, 014904. (3.125 - IF2004). (2005 - Current Contents, WOS, SCOPUS). ISSN 2469-9985.

Citácie:

1. [1.1] ANDRES, C. et al. In PHYSICAL REVIEW C, 2015, vol. 92, 034901., WOS

2. [1.1] BLOCZYNSKI, J. In NUCLEAR PHYSICS A, 2015, vol. 939, p. 85., WOS

3. [1.1] HEINZ, U. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A, 2015, vol. 30, 1530011., WOS

4. [1.1] HILL, J.C. In EPJ WEB OF CONFERENCE, 2015, vol. 95, 03015., WOS

5. [1.1] KARPENKO, Yu.A. In PHYSICAL REVIEW C, 20145, vol. 91, 064901., WOS

6. [1.1] LINNYK, O. et al. In PHYSICAL REVIEW C, 2015, vol. 92, 054914., WOS

7. [1.1] MARTY, R. et al. In PHYSICAL REVIEW C, 2015, vol: 92, 015201., WOS

8. [1.1] MINISSALE, V. In PHYSICAL REVIEW C, 2015, vol. 92, 054904., WOS

9. [1.1] McLERRAN, L. In ACTA PHYSICA POLONICA B, 2015, vol. 46, p. 1513., WOS

10. [1.1] NAHRGANG, M. In PHYSICAL REVIEW C, 2015, vol. 91, 014904., WOS

11. [1.1] QIN, G.-Y. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E, 2015, vol. 24, 1530001., WOS

12. [1.1] TAKEUCHI, S. et al. In PHYSICAL REVIEW C, 2015, vol. 92, 044907.,

WOS
13. [1.1] ZHOU, Y. In PHYSICAL REVIEW C, 2015, vol. 91, 064908., WOS
14. [1.1] ZHU, X. In PHYSICAL REVIEW C, 2015, vol. 91, 034904., WOS

ADCA75 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. (2.708 - IF2003). (2004 - Current Contents, SCOPUS). ISSN 2469-9985.

Citácie:
1. [1.1] LANSBERG, J.P. In JOURNAL OF HIGH ENERGY PHYSICS, 2015, Iss. 9, 087., WOS

ADCA76 ADAMS, J. - ADLER, C. - AGGARWAL, M.M. - AHAMMED, Z. - AMONETT, J. - FILIP, Peter. Measurements of transverse energy distributions in Au plus Au collisions. In Physical Review C, 2004, vol. 70, no. 5, 054907. (2.708 - IF2003). (2004 - Current Contents, SCOPUS). ISSN 2469-9985.

Citácie:
1. [1.1] MISHRA, A.N. et al. In EPJ WEB OF CONFERENCE, 2015, vol. 90, 01001., WOS

ADCA77 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. (3.125 - IF2004). (2005 - Current Contents, WOS, SCOPUS). ISSN 2469-9985.

Citácie:
1. [1.1] HABICH, M. In EUROPEAN PHYSICAL JOURNAL, 2015, vol. 75, 15., WOS
2. [1.1] YANG, J. In ADVANCES IN HIGH ENERGY PHYSICS, 2015, 846154., WOS

ADCA78 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. (3.125 - IF2004). (2005 - Current Contents, WOS, SCOPUS). ISSN 2469-9985.

Citácie:
1. [1.1] HECKEL, S. In EPJ WEB OF CONFERENCE, 2015, vol. 90, UNSP 08006., WOS
2. [1.1] JENA, S. In JOURNAL OF PHYSICS CONFERENCE SERIES, 2015, vol. 612, 012047., WOS
3. [1.1] TRAINOR, T.A. In PHYSICAL REVIEW C, 2015, vol. 92, 024915., WOS

ADCA79 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+Au collisions at root(NN)= 200 GeV. In Physical Review Letters, 2005, vol. 95, no. 15, 152301. (7.218 - IF2004). (2005 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Citácie:
1. [1.1] ANDRES, C. In PHYSICAL REVIEW C, 2014, vol. 90, 054902., WOS
2. [1.1] KHACHATRYAN, V. In PHYSICAL REVIEW LETTERS, 2015, vol. 115, 012301., WOS
3. [1.1] ROLAND, G. In PRAMANA, 2015, vol. 84, p. 731., WOS
4. [1.1] WONG, Ch.-Y. In PHYSICAL REVIEW D, 2015, vol. 91, 114027., WOS

ADCA80 ADAMS, J. - AGGARWAL, M.M. - AHAMMED, Z. - AMONETT, J. - ANDERSON, B.D. - FILIP, Peter. Open charm yields in d+Au collisions at root s(NN)=200 GeV. In Physical Review Letters, 2005, vol. 94, no. 6, 062301. (7.218 - IF2004). (2005 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Citácie:

1. [1.1] TLUSTY, D. In EPJ WEB OF CONFERENCES, 2015, vol . 95, 04067., WOS

ADCA81 ADAMS, J. - ADLER, C. - AGGARWAL, M.M. - AHAMMED, Z. - AMONETT, J. - FILIP, Peter. Multiplicity and pseudorapidity distributions of photons in Au+Au collisions at (odmocnina) SNN=62.4 GeV. In Physical Review Letters, 2005, vol. 95, p. 062301.

Citácie:

1. [1.1] WANG, R.-Q. In PHYSICAL REVIEW C, 2015, vol. 91, 014909., WOS

ADCA82 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. (7.035 - IF2003). (2004 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Citácie:

1. [1.1] HIRONO, Y. In PHYSICAL REVIEW C, 2015, vol. 91, 054915., WOS

2. [1.1] PLUMBERG, Ch. In PHYSICAL REVIEW C, 2015, vol. 92, 044906., WOS

ADCA83 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. (7.035 - IF2003). (2004 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Citácie:

1. [1.1] BEPPU, H. In EPJ WEB OF CONFERENCES, 2015, vol. 85, 02012., WOS

2. [1.1] BOER, D. In ADVANCES IN HIGH ENERGY PHYSICS, 2015, 371396., WOS

3. [1.1] KANAZAWA, K. In ADVANCES IN HIGH ENERGY PHYSICS, 2015, 257934., WOS

4. [1.1] KANAZAWA, K. In FEW-BODY SYSTEMS, 2015, vol. 56, p. 343., WOS

5. [1.1] KANAZAWA, K. In PHYSICAL REVIEW D, 2015, vol. 91, 014013., WOS

6. [1.1] KANAZAWA, K. In PHYSICS LETTERS B, 2015, vol. 742, p. 340., WOS

7. [1.1] KANAZAWA, K. In PHYSICS LETTERS B, 2015, vol. 744, p. 385., WOS

8. [1.1] KOCHELEV, N. In PHYSICAL REVIEW D, 2015, vol. 92, 034025., WOS

9. [1.1] KOIKE, Y. In PHYSICAL REVIEW D, 2015, vol. 92, 094011., WOS

10. [1.1] KUMAR, N. In EUROPEAN PHYSICAL JOURNAL A, 2015, vol. 51, Iss. 4, 51., WOS

11. [1.1] LU, Z. In PHYSICS LETTERS B, 2015, vol. 747, p. 357., WOS

12. [1.1] PERDEKAMP, M.K. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, 2015, vol. 65, p. 429., WOS

13. [1.1] PITONYAK, D. In EPJ WEB OF CONFERENCES, 2015, vol. 85, 02013., WOS

14. [1.1] PROKUDIN, A. In WPJ WEB OF CONFERENCES, 2015, vol. 85, 02028., WOS

15. [1.1] ZHOU, J. In PHYSICAL REVIEW D, 2015, vol. 92, 014034., WOS

ADCA84 ADAMS, J. - AGGARWAL, M.M. - AHAMMED, Z. - AMONETT, J. - ANDERSON, B.D. - FILIP, Peter. Azimuthal anisotropy at the relativistic heavy ion collider: The first and fourth harmonics. In Physical Review Letters, 2004, vol. 92, no. 6, 062301. (7.035 - IF2003). (2004 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Citácie:

1. [1.1] CAO, S. In JOURNAL OF PHYSICS G, 2015, vol. 42, 125104., WOS

2. [1.1] PANG, L.-G. In PHYSICAL REVIEW C, 2015, vol. 91, 044904., WOS
3. [1.1] YAN, L. In PHYSICAL LETTERS B, 2015, vol. 744, p. 82., WOS

ADCA85 ADAMS, J. - AGGARWAL, M.M. - AHAMMED, Z. - AMONETT, J. - ANDERSON, B.D. - FILIP, Peter. rho(0) production and possible modificatiion in Au+Au and p+p collisions at root S(NN)=GeV. In Physical Review Letters, 2004, vol. 92, no. 9, 092301. (7.035 - IF2003). (2004 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Citácie:
1. [1.1] BRONIOWSKI, W. In PHYSICAL REVIEW C, 2015, vol. 92, 034905., WOS
2. [1.1] SHEN, Z.-Y. In JOURNAL OF THE KOREAN PHYSICAL SOCIETY, 2015, vol. 66, p. 754., WOS

ADCA86 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. (7.035 - IF2003). (2004 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Citácie:
1. [1.1] BISWAL, M. In MODERN PHYSICS LETTERS A, 2015, vol. 30, 1550130., WOS
2. [1.1] BRATKOVSKAYA, E.L. In ASTRONOMISCHE NACHRICHTEN, 2015, vol. 336, p. 825., WOS
3. [1.1] BUGAEV, G.A. In UKRAINIAN JOURNAL OF PHYSICS, 2015, vol. 60, p. 181., WOS
4. [1.1] ROMATSCHKE, P. In EUROPEAN PHYSICAL JOURNAL C, 2015, vol. 75, 429., WOS
5. [1.1] SUN, K.-J. In PHYSICS LETTERS B, 2015, vol. 751, p. 272., WOS
6. [1.1] TAWFIK, A. In ADVANCES IN HIGH ENERGY PHYSICS, 2015, 186812., WOS
7. [1.1] TEKEUCHI, S. In PHYSICAL REVIEW C, 2015, vol. 92, 044907., WOS
8. [1.1] WONG, Ch.-Y. In PHYSICAL REVIEW D, 2015, vol. 92, 074007., WOS
9. [1.1] van HEES, H. In NUCLEAR PHYSICS A, 2015, vol. 933, p. 256., WOS

ADCA87 ADAMS, J. - AGGARWAL, M.M. - AHAMMED, Z. - AMONETT, J. - ANDERSON, B.D. - FILIP, Peter. Direct observation of dijets in central Au plus Au collisions. In Physical Review Letters, 2006, vol. 97, no. 16, 162301. (7.489 - IF2005). (2006 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Citácie:
1. [1.1] CAO, S. In PHYSICAL REVIEW C, 2015, vol. 92, 054909., WOS
2. [1.1] QIN, G.-Y. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E, 2015, vol. 24, 1530001., WOS
3. [1.1] QIN, G.-Y. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E, 2015, vol. 24, 1530014., WOS
4. [1.1] TANNENBAUM, M.J. In JOURNAL OF PHYSICS CONFERENCE SERIES, 2015, vol. 589, 012019., WOS

ADCA88 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. In Physical Review Letters, 2006, vol. 97, no. 15, 152302. (7.489 - IF2005). (2006 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Citácie:
1. [1.1] DENG, W.-T. In PHYSICAL REVIEWE D, 2015, vol. 91, 014006., WOS
2. [1.1] KOPELIOVICH, B.Z. In JOURNAL OF PHYSICS CONFERENCE SERIES, 2015, vol. 589, 012013., WOS

3. [1.1] NEMCHIK, J. In EUROPEAN PHYSICAL JOURNAL C, 2015, vol. 75, 95., WOS
4. [1.1] WATANABE, K. In PHYSICAL REVIEW D, 2015, vol. 92, 034026., WOS
5. [1.1] de FLORIAN, D. In PHYSICAL REVIEW D, 2015, vol. 91, 014035., WOS

ADCA89 ADAMS, J. - ADLER, C. - AGGARWAL, M.M. - AHAMMED, Z. - AMONETT, J. - FILIP, Peter. Evidence from d + An measurements for final-state suppression of high-P+ hadrons in An + An collisions at RHIC. In Physical Review Letters, 2003, vol. 91, no. 7, 072304. (7.323 - IF2002). (2003 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Citácie:
1. [1.1] APOLINARIO, L. In JOURNAL OF HIGH ENERGY PHYSICS, 2015, Iss. 2, 119., WOS
2. [1.1] DAI, W. In PHYSICS LETTERS B, 2015, vol. 750, p. 390., WOS
3. [1.1] ESPOSITO, A. In PHYSICAL REVIEW D, 2015, vol. 92, 034028., WOS
4. [1.1] NEMCHIK, J. In EUROPEAN PHYSICAL JOURNAL C, 2015, vol. 75, 95., WOS
5. [1.1] SALUR, S. In JOURNAL OF PHYSICS CONFERENCE SERIES, 2015, vol. 589, 012017., WOS

ADCA90 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. (7.035 - IF2003). (2004 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Citácie:
1. [1.1] BUGAEV, K.A. In UKRAINIAN JOURNAL OF PHYSICS, 2015, vol. 60, p. 181., WOS
2. [1.1] TAWFIK, A.N. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E, 2015, vol. 24, 1550067., WOS
3. [1.1] ZHU, X. In PHYSCAL REVIEW C, 2015, vol. 91, 034904., WOS

ADCA91 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 at moderate p(T) in Au + Au collisions at root s(NN)=200GeV. In Physical Review Letters, 2004, vol. 92, no. 5, 052302. (7.035 - IF2003). (2004 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Citácie:
1. [1.1] KHACHATRYAN, V. In PHYSICS LETTERS B, 2015, vol. 742, p. 200., WOS
2. [1.1] KOROTKIKH, V.L. In JOURNAL OF PHYSICS G, 2015, vol. 42, 115102., WOS
3. [1.1] KUMAR, L. In EPJ WEB OF CONFERENCES, 2015, vol. 97, 00017., WOS
4. [1.1] ZABRODIN, E. In EPJ WEB OF CONFERENCES, 2015, vol. 95, 03039., WOS

ADCA92 ADAMS, J. - ADLER, C. - AGGARWAL, M.M. - AHAMMED, Z. - AMONETT, J. - FILIP, Peter. Transverse-momentum and collision-energy dependence of high-P+ hadron suppression in An + An collisions at ultrarelativistic energies. In Physical Review Letters, 2003, vol. 91, no. 17, 172302. (7.323 - IF2002). (2003 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Citácie:
1. [1.1] APOLINARIO, L. In JOURNAL OF HIGH ENERGY PHYSICS, 2015, Iss. 2, 119., WOS

2. [1.1] KANG, Z.-B. In PHYSICAL REVIEW LETTERS, 2015, vol. 114, 092002., WOS

ADCA93 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. In Nuclear Physics A, 2005, vol. 757, no. 1-2, p. 102-183. (2.108 - IF2004). ISSN 0375-9474.

Citácie:

1. [1.1] ABADA, A. In JOURNAL OF HIGH ENERGY PHPYSICS, 2015, Iss. 3, 058., WOS
2. [1.1] ADHAV, K.S. In OPEN PHYSICS, 2015, vol. 16, p. 90., WOS
3. [1.1] AKIBA, Y. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS, 2015, Iss. 3, 03A 105., WOS
4. [1.1] ALAM, J.-E. In PRAMANA, 2015, vol. 84, p. 861., WOS
5. [1.1] ALEXEY, A. In INTERNATIONAL JOURNAL OF MODERN PHYSICS-CONFERENCE SERIES, 2015, vol. 39., WOS
6. [1.1] ANDRES, C. In PHYSICAL REVIEW C, 2015, vol. 92, 034901., WOS
7. [1.1] ASTRAKHANTSEV, N.Yu. In JOURNAL OF HOGH ENERGY PHYSICS, 2015, Iss. 9, 082., WOS
8. [1.1] AYALA, A. In PHYSICAL REVIEW C, 2015, vol. 92,024910., WOS
9. [1.1] BAHAVAR, B.P. In JOURNAL OF PHYSICS CONFERENCE SERIES, 2015, vol. 612, 012027., WOS
10. [1.1] BARI, W. In ACTA PHYSICA POLONICA B, 2015, vol. 46, p. 2039., WOS
11. [1.1] BARROS, C. In AIP CONFERENCE PROCEEDINGS, 2015, vol. 1693, 050006., WOS
12. [1.1] BERNHARD, J.E. In PHYSICAL REVIEW C, 2015, vol. 91, 054910., WOS
13. [1.1] BHOUMIK, G. In EUROPEAN PHYSICAL JOURNAL A, 2015, vol. 51, 78., WOS
14. [1.1] BLAIZOT, J.-P. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E, 2015, vol. 24, 1530012., WOS
15. [1.1] BLOCZYNSKI, J. In NUCLEAR PHYSICA A, 2015, vol. 939, p. 85., WOS
16. [1.1] BONDARENKO, S. In INTERNATIONAL JOURNAL OF MMODERN PHYSICS E, 2015, vol. 24, 1550034., WOS
17. [1.1] BRAGUTA, V.V. In JOURNAL OF PHYSICS CONFERENCE SERIES, 2015, vol. 607, 012019., WOS
18. [1.1] BRATKOVSKAYA, E.L. In ASTRONOMISCHE NACHRICHTEN, 2015, vol. 336, p. 825., WOS
19. [1.1] BRAVINA, L.V. In EUROPEAN PHYSICAL JOURNAL C, 2015, vopl. 75, 588., WOS
20. [1.1] BRUNO, M. In JOURNAL OF HIGH ENERGY PHYSICS, 2015, Iss. 3, 057., WOS
21. [1.1] BUCHEL, A. In PHYSICAL REVIEW LETTERS, 2015, vol. 114, 251601., WOS
22. [1.1] CALZETTA, E. In PHYSICAL REVIEW D, 2015, vol. 92, 045035., WOS
23. [1.1] CAO, S. In PHYSICAL REVIEW C, 2015, vol. 92, 054909., WOS
24. [1.1] CHANDRA, V. In PHYSICAL REVIEW D, 2015, vol. 92, 094027., WOS
25. [1.1] CHEN, Z. In JOURNAL OF PHYSICS CONFERENCE SERIES, 2015, vol. 612, 012016., WOS
26. [1.1] CHRISTAKOGLOU, P. In EPJ WEB OF CONFERENCES, 2015, vol. 90, UNSP 08004., WOS

27. [1.1] CHRISTIANSEN, N. In PHYSICAL REVIEW LETTERS, 2015, vol. 115, 112002., WOS
28. [1.1] DOENIGUS, B. In EPJ WEB OF CONFERENCES, 2015, vol. 99, 02001., WOS
29. [1.1] EL-BAKRY, M.Y. In EUROPEAN PHYSICAL JOURNAL PLUS, 2015, vol. 130, 17., WOS
30. [1.1] ELAYAVALLI, R.K. In JOURNAL OF PHYSICS CONFERENCE SERIES, 2015, vol. 612, 012008., WOS
31. [1.1] ESPOSITO, Z. In PHYSICS LETTERS B, 2015, vol. 747, p. 433., WOS
32. [1.1] EVDOKIMOV, O. In JOURNAL OF PHYSICS CONFERENCE SERIES, 2015, vol. 589, 012006., WOS
33. [1.1] FINAZZO, S.I. In JOURNAL OF HIGH ENERGY PHYSICS, 2015, Iss. 2, 051., WOS
34. [1.1] FU, W.-J. In PHYSICAL REVIEW D, 2015, vol. 92, 116006., WOS
35. [1.1] GELIS, F. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E, 2015, vol. 24, 1530008., WOS
36. [1.1] GELIS, F. In PRAMANA, 2015, vol. 84, p. 685., WOS
37. [1.1] GUSTAFSON, Gosta - LONNBLAD, Leif - STER, Andras - CSORGO, Tamas. Total, inelastic and (quasi-) elastic cross sections of high energy pA and gamma(star) A reactions with the dipole formalism. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 10, 022., WOS
38. [1.1] HATTA, Y. In PHYSICAL REVIEW D, 2015, vol. 92, 114010., WOS
39. [1.1] HAYATA, T. In PHYSICAL REVIEW D, 2015, vol. 92, 065008., WOS
40. [1.1] Hadron resonance production and final state hadronic interactions with UrQMD at LHC. In EPJ WEB OF CONFERENCE, 2015, VOL. 97, 00026., WOS
41. [1.1] ISLAM, Ch. A. In JOURNAL OF HIGH ENERGY PHYSICS, 2015, Iss. 2, 011., WOS
42. [1.1] JAHNKE, V. In JOURNAL OF HIGH ENERGY PHYSICS, 2015, Iss. 1, 122., WOS
43. [1.1] JAISWAL, A. In PHYSICS LETTERS B, 2015, vol. 751, p. 548., WOS
44. [1.1] JOHANSSON, B.H. In EPJ WEB OF CONFERENCE, 2015, vol. 95, 05004., WOS
45. [1.1] KIKOLA, D. In ADVANCES IN HIGH ENERGY PHYSICS, 2015, 385205., WOS
46. [1.1] KIM, T. In PHYSICAL REVIEW D, 2015, vol. 92, 114014., WOS
47. [1.1] KUMAR, L. In EPJ WEB OF CONFERENCES, 2015, vol. 97, 00017., WOS
48. [1.1] KUMAR, L. In PRAMANA, 2015, vol. 84, p. 773., WOS
49. [1.1] LADREM, M. - AHMED, M. A. A. - ALFULL, Z. Z. - CHERIF, S. Finite-volume cumulant expansion in QCD-colorless plasma. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 9, 431., WOS
50. [1.1] LI, D. In JOURNAL OF HIGH ENERGY PHYSICS, 2015, Iss. 6, 046., WOS
51. [1.1] LIAO, J. In PRAMANA, 2015, vol. 84, p. 901., WOS
52. [1.1] LINNYK, O. In PHYSICAL REVIEW C, 2015, vol. 92, 054914., WOS
53. [1.1] LOKHTIN, I.P. In EUROPEAN PHYSICAL JURNAL C, 2015, vol. 75, 452., WOS
54. [1.1] MAJUMDER, A. In PRAMANA, 2015, vol. 84, p. 821., WOS
55. [1.1] MILANO, L. In EUROPEAN PHYSICAL JOURNAL PLUS, 2015, vol. 130, 193., WOS
56. [1.1] MIODUSZEWSKI, S. In PHYSICA SCRIPTA, 2015, vol. 90, 108014.,

WOS
57. [1.1] MOLDES, M.R. In JOURNAL OF PHYSICS CONFERENCE SERIES, 2015, vol. 589, 012004., WOS
58. [1.1] MONNAI, A. In PHYSICAL REVIEW C, 2015, vol. 92, 014905., WOS
59. [1.1] MORAD, R. In JOURNAL OF PHYSICS CONFERENCE SERIES, 2015, vol. 623, 012021., WOS
60. [1.1] MORAD, R. In JOURNAL OF PHYSICS CONFERENCE SERIES, 2015, vol: 645, UNSP 012007., WOS
61. [1.1] MORELAND, J.S. In PHYSICAL REVIEW C, 2015, vol. 92, 011901., WOS
62. [1.1] NASIM, M. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E, 2015, vol. 24, 1550069., WOS
63. [1.1] NOICER, R. In EPJ WEB OF CONFERENCES, 2015, vol. 95, 04046., WOS
64. [1.1] ORTIZ, V.A. In NUCLEAR PHYSICS A, 2015, vol. 943, p. 9-17., WOS
65. [1.1] OZAKI, S. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS, 2015, Iss. 3, 03A 102., WOS
66. [1.1] PLUMARI, S. In PHYSICAL REVIEW C, 2015, vol. 92, 054902., WOS
67. [1.1] QIN, G.-Y. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E, 2015, vol. 24, 1530001., WOS
68. [1.1] RAFELSKI, J. In EUROPEAN PHYSICAL JOURNAL A, 2015, vol. 51, 114., WOS
69. [1.1] ROLAND, Ch. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A, 2015, vol. 30, 1546010., WOS
70. [1.1] ROLAND, G. In PRAMANA, 2015, vol. 84, p. 731., WOS
71. [1.1] ROUGEMONT, R. In PHYSICAL REVIEW LETTERS, 2015, vol. 115, 202301., WOS
72. [1.1] RUGGIERI, M. In NUCLEAR PHYSICS A, 2015, vol. 941, p. 201., WOS
73. [1.1] SEN A. In PHYSICAL REVIEW C, 2015, vol. 91, 024901., WOS
74. [1.1] SHI, S. In EPJ WEB OF CONFERENCES, 2015, vol. 95, 03035., WOS
75. [1.1] SINGH, S. Somorendro - KUMAR, Yogesh. Direct photon production at finite chemical potential from quark-gluon plasma. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 3, 1550020., WOS
76. [1.1] SONG, H. In PRAMANA, 2015, vol. 84, p. 703., WOS
77. [1.1] SUN, X. In JOURNAL OF PHYSICS G, 2015, vol. 42, 115101., WOS
78. [1.1] SUN, X. In PHYSICAL REVIEW C, 2015, vol., 91, 024903., WOS
79. [1.1] TAWFIK, A. - SHALABY, Asmaa G. Balance Function in High-Energy Collisions. In ADVANCES IN HIGH ENERGY PHYSICS. ISSN 1687-7357, 2015, 186812., WOS
80. [1.1] TORRES, A. M. In JOURNAL OF PHYSICS CONFERENCE SERIES, 2015, vol. 630, 012037., WOS
81. [1.1] WOSIEK, B. In ANNALS OF PHYSICS, 2015, vol. 352, p. 117., WOS
82. [1.1] YOUNG, C. In PHYSICAL REVIEW C, 2015, vol. 91, 044901., WOS
83. [1.1] ZHOU, Y. In PHYSICAL REVIEW C, 2015, vol. 91, 064908., WOS
84. [1.1] ZHU, X. IN PHYSICAL REVIEW C, 2015, vol. 91, 034904., WOS

ADCA94 ADAMS, J. - ADLER, C. - AGGARWAL, M.M. - AHAMMED, Z. - AMONETT, J. - FILIP, Peter. Pion, kaon, proton and anti-proton transverse momentum distributions. In Physics Letters B, 2005, vol. 616, no. 1-2, p. 8-16. (4.619 - IF2004). (2005 - Current Contents, WOS, SCOPUS). ISSN 0370-2693.

Citácie:
1. [1.1] XIN, K. In JOURNAL OF PHYSICS CONFERENCE SERIES, 2015, vol.

612, 012032., WOS

ADCA95 ADAMS, J. - ADLER, C. - AGGARWAL, M.M. - AHAMMED, Z. - AMONETT, J. - FILIP, Peter. Phi meson production in Au + Au collisions. In Physics Letters B, 2005, vol. 612, no. 3-4, p. 181-189. (4.619 - IF2004). (2005 - Current Contents, WOS, SCOPUS). ISSN 0370-2693.

Citácie:

1. [1.1] BUGAEV, K.A. In UKRAINIAN JOURNAL OF PHYSICS, 2015, vol. 60, p. 181., WOS

ADCA96 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. In Physics Letters B, 2006, vol. 637, no. 3, p. 161-169. (5.301 - IF2005). (2006 - Current Contents, WOS, SCOPUS). ISSN 0370-2693.

Citácie:

1. [1.1] BIERLICH Ch. In PHYSICAL REVIEW D, 2015, vol. 92, 094010., WOS

2. [1.1] BIERLICH, Ch. In JOURNAL OF HIGH ENERGY PHYSICS, 2015, Iss. 3, 148., WOS

3. [1.1] ZHENG, H. In ADVANCES IN HIGH ENERGY PHYSICS, 2015, 180491., WOS

4. [1.1] ZHENG, H. In PHYSICAL REVIEW D, 2015, vol. 92, 074009., WOS

5. [1.1] de FLORIAN, D. In PHYSICAL REVIEW D, 2015, vol. 91, 014035., WOS

ADCA97 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 root s=200 GeV. In Physical review D, 2006, vol. 74, no. 3, 032006. ISSN 1550-7998.

Citácie:

1. [1.1] WILK, G. In CHAOS SOLITIONS, 2015, vol. 81, p. 487., WOS

2. [1.1] WILK, G. In ENTROPY, 2015, vol. 17, p. 384., WOS

3. [1.1] WOLSCHIN, G. In PHYSICAL REVIEW C, 2015, vol. 91, 014905., WOS

4. [1.1] WONG, Ch.-Y. In EPJ WEB OF CONFERENCES, 2015, vol. 90, 04002., WOS

5. [1.1] WONG, Ch.-Y. In PHYSICAL REVIEW D, 2015, vol. 91, 114027., WOS

6. [1.1] WONG, Ch.-Y. In PHYSICAL REVIEW D, 2015, vol. 92, 074007., WOS

ADCA98 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.

Citácie:

1. [1.1] ANKOWSKI, Artur M. - BARBARO, Maria B. - BENHAR, Omar - CABALLERO, Juan A. - GIUSTI, Carlotta - GONZALEZ-JIMENEZ, Raul - MEGIAS, Guillermo D. - MEUCCI, Andrea. Estimate of the theoretical uncertainty of the cross sections for nucleon knockout in neutral-current neutrino-oxygen interactions. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 92, no. 2, 025501., WOS

ADCA99 ADAMUŠČIN, Cyril - DUBNIČKA, Stanislav - DUBNIČKOVÁ, A.Z. New value of the proton charge root mean square radius. In Progress in Particle and Nuclear Physics, 2012, vol. 67, no. 2, p. 479-485. (2.614 - IF2011). (2012 - Current Contents). ISSN 0146-6410.

Citácie:

1. [1.1] KARSHENBOIM, Savely G. - KORZININ, Evgeny Yu. - SHELYUTO, Valery A. - IVANOV, Vladimir G. Theory of Lamb Shift in Muonic Hydrogen. In JOURNAL OF PHYSICAL AND CHEMICAL REFERENCE DATA. ISSN 0047-2689, 2015, vol. 44, no. 3, 031202., WOS

ADCA100 ADAMUŠČIN, Cyril - GAKH, G.I. - TOMASI-GUSTAFSSON, E. Polarization effects in the reaction e(+)+e(-)-rho(-) and determination of the rho-meson form factors in the time-like region. In Physical Review C. Nuclear physics, 2007, vol. 75, no. 6, 065202. (3.327 - IF2006). (2007 - Current Contents, WOS, SCOPUS). ISSN 2469-9985.

Citácie:

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

ADCA101 ADAMUŠČIN, Cyril - DUBNIČKA, Stanislav - DUBNIČKOVÁ, A.Z. - WEISENPACHER, Peter. A unitary and analytic model of nucleon EM structure, the puzzle of JLab proton polarization data and new insight into the proton charge distribution. In Progress in Particle and Nuclear Physics, 2005, vol. 55, p. 228-241.

Citácie:

1. [1.1] BIANCONI, Andrea - TOMASI-GUSTAFSSON, Egle. Periodic Interference Structures in the Timelike Proton Form Factor. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 114, no. 23, pp., WOS

2. [1.1] PACETTI, Simone - FERROLI, Rinaldo Baldini - TOMASI-GUSTAFSSON, Egle. Proton electromagnetic form factors: Basic notions, present achievements and future perspectives. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, 2015, vol. 550, pp. 1-103., WOS

ADCA102 AFANASIEV, S.V. - ANTICIC, T. - BARNA, D. - BARTKE, J. - BARTON, R.A. - FILIP, Peter. Xi(-) and (Xi)over-bar(+) production in central Pb + Pb collisions. In Physics Letters B, 2002, vol. 538, no. 3-4, p. 275-281. (4.377 - IF2001). (2002 - Current Contents, WOS, SCOPUS). ISSN 0370-2693.

Citácie:

1. [1.1] BUGAEV, K.A. In UKRAINIAN JOURNAL OF PHYSICS, 2015, vol. 60, p. 181., WOS

ADCA103 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. (2.695 - IF2001). (2002 - Current Contents, WOS, SCOPUS). ISSN 2469-9985.

Citácie:

1. [1.1] BUGAEV, K.A. et al. In UKRAINIAN JOURNAL OF PHYSICS, 2015, vol. 60, p. 181., WOS

2. [1.1] CHATTERJEE, S. et al. In ADVANCES IN HIGH ENERGY PHYSICS, 2015, 349013., WOS

3. [1.1] DAS, Sabita. Identified particle production and freeze-out properties in heavy-ion collisions at RHIC Beam Energy Scan program. In XLIV INTERNATIONAL SYMPOSIUM ON MULTIPARTICLE DYNAMICS (ISMD 2014). ISSN 2100-014X, 2015, vol. 90, 08007., WOS

4. [1.1] GUBSER, S.S. In JOURNAL OF HIGH ENERGY PHYSICS, 2015, 028., WOS

5. [1.1] KARPENKO, Iu. et al. In JOURNAL OF PHYSICS CONFERENCE SERIES, 2015, vol. 612, 012052., WOS

6. [1.1] KARPENKO, Iu.A. et al. In PHYSICAL REVIEW C, 2015, vol. 91, 064901., WOS

7. [1.1] MISHRA, A.N. et al. In EPJ WEB OF CONFERENCE, 2015, vol. 90, 01001., WOS

8. [1.1] SAHOO, R. et al. In ADVANCES IN HIGH ENERGY PHYSICS, 2015,

612390., WOS
9. [1.1] VOYCHENKO, V.Yu. In NUCLEAR PHYSICS A, 2015, vol. 936, p. 1-5., WOS
10. [1.1] WILK, G. In ACTA PHYSICA POLONICA B, 2015, vol. 46, p. 1103., WOS
11. [1.1] WILK, G. In CHAOS SOLITIONS AND FRACTALS, 2015, vol. 81, p. 487., WOS

ADCA104 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.

Citácie:

1. [1.1] AL JEBALI, Ramsey - ANNAND, John R. M. - ADLE, Jan-Olof. A helium gas scintillator active target for photoreaction measurements (vol 51, pg 123, 2015). In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2015, vol. 51, no. 10, pp. 1., WOS
2. [1.1] BEHNKE, C. Reconstruction of pi(0) and eta mesons via conversion method in Au+Au at 1.23 GeV/u with HADES. In JOURNAL OF PHYSICS-CONFERENCE SERIES, 2015, vol. 599, 012029., WOS
3. [1.1] JERUSALIMOV, A. P. - LYKASOV, G. I. Study of di-electron production in quasi-free n-p interactions at HADES set-up. In INTERNATIONAL JOURNAL OF MODERN PHYSICS-CONFERENCE SERIES, 2015, vol. 39 ., WOS
4. [1.1] SCHEIB, T. V-0 Reconstruction of Strange Hadrons in Au plus Au Collisions at 1.23 AGeV with HADES. In JOURNAL OF PHYSICS-CONFERENCE SERIES, 2015, vol. 599, 012030 ., WOS

ADCA105 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.

Citácie:

1. [1.1] ANDRIANOV, A. A. - ANDRIANOV, V. A. BOSONIZATION OF THE MESON SECTOR OF QCD AND PARITY BREAKING IN STRONG INTERACTIONS. In THEORETICAL AND MATHEMATICAL PHYSICS. ISSN 0040-5779, 2015, vol. 185, no. 1, pp. 1370-1382., WOS
2. [1.1] ENDRES, Stephan - VAN HEES, Hendrik - WEIL, Janus - BLEICHER, Marcus. Dilepton production and reaction dynamics in heavy-ion collisions at SIS energies from coarse-grained transport simulations. In PHYSICAL REVIEW C. ISSN 2469-9985, 2015, vol. 92, no. 1, 014911., WOS

ADCA106 AGAKISHIEV, G. - AGGARWAL, M.M. - AHAMMED, Z. - ALAKHVERDYANTS, A.V. - ALEKSEEV, I. - FILIP, Peter. System size and energy dependence of near-side di-hadron correlation. In Physical Review C, 2012, vol. 85, 014903. (3.308 - IF2011). (2012 - Current Contents, WOS, SCOPUS). ISSN 2469-9985.

Citácie:

1. [1.1] BAI, T. In ADVANCES IN HIGH ENERGY PHYSICS, 2015, 190714., WOS

ADCA107 AGAKISHIEV, G. - AGGARWAL, M.M. - AHAMMED, Z. - ALAKHVERDYANTS, A.V. - ALEKSEEV, I. - FILIP, Peter. rho(0) photoproduction in AuAu collisions at root s(NN)=62.4 GeV. In Physical Review C, 2012, vol. 85, no. 1, 014910. (3.308 - IF2011). (2012 - Current Contents, WOS, SCOPUS). ISSN 2469-9985.

Citácie:

1. [1.1] BOLZ, A. In JOURNAL OF HIGH ENERGY PHYSICS, 2015, no. 1, 151.,

WOS
2. [1.1] LEBIEDOWICZ, P. In PHYSICAL REVIEW D, 2015, vol. 91, 074023., WOS
3. [1.1] SAMPAIO dos SANTOS. In PHYSICAL REVIEW C, 2015, vol. 91, 025203., WOS

ADCA108 AGAKISHIEV, G. - AGGARWAL, M.M. - AHAMMED, Z. - ALAKHVERDYANTS, A.V. - ALEKSEEV, I. - FILIP, Peter. Identified hadron compositions in p+p and Au+Au collisions at high transverse momenta. In Physical Review Letters, 2012, vol. 108, no. 6. (7.370 - IF2011). (2012 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Citácie:
1. [1.1] BERTONE, V. In JOURNAL OF HIGH ENERGY PHYSICS, 2015, Iss. 3, 046., WOS
2. [1.1] KAUFMANN, T. In PHYSICAL REVIEW D, 2015, vol. 92, 054015., WOS
3. [1.1] MINISSALE, V. In PHYSICAL REVIEW C, 2015, vol. 92, 054904., WOS
4. [1.1] ZHENG, H. In PHYSICAL REVIEW D, 2015, vol. 92, 074009., WOS
5. [1.1] de FLORIAN, D. In PHYSICAL REVIEW D, 2015, vol. 91, 014035., WOS

ADCA109 AGAKISHIEV, G. - AGGARWAL, M.M. - AHAMMED, Z. - ALAKHVERDYANTS, A.V. - ALEKSEEV, I. - FILIP, Peter. Strangeness enhancement in Cu-Cu and Au-Au collisions. In Physical Review Letters, 2012, vol. 108, 072301. (7.370 - IF2011). (2012 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Citácie:
1. [1.1] MINISSALE, V. In PHYSICAL REVIEW C, 2015, vol.92, 054904., WOS
2. [1.1] MORITA, K. In EPJ WEB OF CONFERENCES, 2015, vol. 97, 00020., WOS
3. [1.1] MORITA, K. In PHYSICAL REVIEW C, 2015, vol. 91, 024916., WOS
4. [1.1] TAWFIK, A. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A, 2015, vol. 30, 1550131., WOS
5. [1.1] ZHENG, H. In ADVANCES IN HIGH ENERGY PHYSICS, 2015, 180491., WOS

ADCA110 AGAKISHIEV, H. - AGGARWAL, M.M. - AHAMMED, Z. - ALAKHVERDYANTS, A.V. - ALEKSEEV, I. - FILIP, Peter. Observation of the antimatter helium-4 nucleus. In Nature, 2011, vol. 473, no. 7347, p. 353-356. (36.104 - IF2010). (2011 - Current Contents). ISSN 0028-0836.

Citácie:
1. [1.1] LEE, Su Houng - CHO, Sungtae. Exotic resonance production from heavy ion collisions. In EPJ Web of Conferences, 2015, vol. 97, 00018., WOS
2. [1.2] COLOCCI, Manuel. (Hyper)nuclei and anti-(hyper)nuclei production in Pb-Pb collisions in ALICE at LHC. In Journal of Physics: Conference Series. ISSN 17426588, 2015-01-01, 612, 1, 012065., SCOPUS

ADCA111 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 root s=200 GeV. In Physical Review D, 2011, vol. 83, no. 5, 052006. (4.964 - IF2010). (2011 - Current Contents). ISSN 1550-7998.

Citácie:
1. [1.1] MACIULA, R. In PHYSICAL REVIEW D, 2015, vol. 92, 054006., WOS
2. [1.1] RUSNAKOVA, O. In JOURNAL OF PHYSICS CONFERENCES SERIES, 2015, vol. 612, 012034., WOS

ADCA112 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 root s(NN)=62.4 GeV and 200 GeV. In Physical Review C, 2011, vol. 84, no. 3, 034909. (3.416 - IF2010). (2011 - Current Contents). ISSN 2469-9985.

Citácie:

1. [1.1] KHEMCHANDANI, K.P. et al. In PHYSICAL REVIEW D, 2015, vol. 91, 094008., WOS

2. [1.1] LI, Bao-Chun. In ADVANCES IN HIGH ENERGY PHYSICS, 2015, 684950., WOS

ADCA113 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. (7.328 - IF2009). (2010 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Citácie:

1. [1.1] BRAUN-MUNZINGER, P. In PHYSICS LETTERS B, 2015, vol. 747, P. 292., wos

2. [1.1] CHEN, J.-W. In PHYSICAL REVIEW D, 2015, vol. 92, 054019., WOS

3. [1.1] DAS, S. In EPJ WEB OF CONFERENCES, 2015, vol. 90, 08007., WOS

4. [1.1] DING, H.-T. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E, 2015, vol. 24, 1530007., WOS

5. [1.1] FECKOVA, Z. In PHYSICAL REVIEW C, 2015, vol. 92, 064908., WOS

6. [1.1] FLOERCHINGER, S. In PHYSICAL REVIEW C, 2015, vol. 92, 064906., WOS

7. [1.1] ICHIHARA, T. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS, 2015, Iss. 11, 113D01., WOS

8. [1.1] KITAZAWA, M. In NUCLEAR PHYSICS A, 2015, vol. 942, p. 65., WOS

9. [1.1] MORITA, K. In PHYSICAL REVIEW D, 2015, vol. 92, 114507., WOS

10. [1.1] MORITA, K. In PHYSICS LETTERS B, 2015, vol. 741, p. 178., WOS

11. [1.1] MORITA, K. In PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS, 2015, 043D03., WOS

12. [1.1] MUKHERJEE, S. In PHYSICAL REVIEW C, 2015, vol. 92, 034912., WOS

13. [1.1] NAGATA, K. In PHYSICAL REVIEW D, 2015, vol. 91, 094507., WOS

14. [1.1] SOLTZ, R.A. In ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, 2015, vol. 65, p. 379., WOS

15. [1.1] TAWFIK, A.N. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A, 2015, vol. 30, 1550027., WOS

16. [1.1] VOVCHENKO, V. In PHYSICAL REVIEW C, 2015, vol. 92, 054901., WOS

ADCA114 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)= 200GeV. In Physical Review C, 2010, vol. 82, no. 2, 024905. (3.477 - IF2009). (2010 - Current Contents, SCOPUS). ISSN 2469-9985.

Citácie:

1. [1.1] PRATT, S. In PHYSICAL REVIEW C, 2015, vol. 92, 064905., WOS

2. [1.1] SONG, J. In PHYSICAL REVIEW C, 2015, vol. 91, 054906., WOS

3. [1.1] TAWFIK, A. In ADVANCES IN HIGH ENERGY PHYSICS, 2015, 186812., WOS

ADCA115 AGGARWAL, M.M. - AHAMMED, Z. - ALAKHVERDYANTS, A.V. - ALEKSEEV, I. - AFORD, J. - FILIP, Peter. Azimuthal di-hadron correlations in d+Au and Au+Au collisions at sqrt(s)= 200 GeV measured at the STAR detector. In Physical Review C, 2010, vol. 82, 024912. (3.477 - IF2009). (2010 - Current

Contents, SCOPUS). ISSN 2469-9985.

Citácie:

1. [1.1] AYALA, A. et al. In PHYSICAL REVIEW C, 2015, vol. 92, 024910., WOS

2. [1.1] BRAUN, M.A. et al. In PHYSICS REPORTS, 2015, vol. 599, p. 1-50., WOS

3. [1.1] ZABRODIN, E. et al. In EPJ WEB OF CONFERENCES, 2015, vol. 95, 03039., WOS

ADCA116 AGGARWAL, M.M. - AHAMMED, Z. - ALAKHVERDYANTS, A.V. - ALEKSEEV, I. - ALFORD, J. - FILIP, Peter. Pion femtoscopy in p plus p collisions at root s=200 GeV. In Physical Review C, 2011, vol. 83, no. 6, 064905. (3.416 - IF2010). (2011 - Current Contents). ISSN 2469-9985.

Citácie:

1. [1.1] HIRONO, Y. In PHYSICAL REVIEW C, 2015, vol. 91, 054915., WOS

2. [1.1] KALAYDZHYAN, T. In PHYSICAL REVIEW C, 2015, vol. 91, 054913., WOS

3. [1.1] NIGMATKULOV, G. In PHYSICS PROCEDIA, 2015, vol. 74, p. 92., WOS

ADCA117 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. (2.708 - IF2003). (2004 - Current Contents, SCOPUS). ISSN 2469-9985.

Citácie:

1. [1.1] AHMAD, S. In EPL, 2015, vol. 112, 42001., WOS

2. [1.1] BEGUN, V.V. In JOURNAL OF PHYSICS G, 2015, vol. 42, 075101., WOS

ADCA118 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. (2.848 - IF2002). (2003 - Current Contents, WOS, SCOPUS). ISSN 2469-9985.

Citácie:

1. [1.1] BRATKOVSKAYA, E. L. - CASSING, W. - KONCHAKOVSKI, V. P. - TONEEV, V. D. From cold to hot nuclear matter. In ASTRONOMISCHE NACHRICHTEN. ISSN 0004-6337, 2015, vol. 336, no. 8-9, pp. 825., WOS

2. [1.1] CASSING, W. et al. In EPJ WEB OF CONFERENCE, 2015, vol. 95, 01004., WOS

3. [1.1] HATTA, Yoshitaka - MONNAI, Akihiko - XIAO, Bo-Wen. Flow harmonics v(n) at finite density. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 11, 114010., WOS

4. [1.1] IVANOV, Yu.B. PHYSICAL REVIEW C, 2015, vol. 91, 024915., WOS

5. [1.1] MARTY, B. et al. In PHYSICAL REVIEW C, 2015, vol. 92, 015201., WOS

6. [1.1] YVANOV, Yu.B. In PHYSICAL REVIEW C, 2015, vol. 91, 024914., WOS

7. [1.1] ZHOU, Y. In PHYSICAL REVIEW C, 2015, vol. 91, 064908., WOS

ADCA119 ANDERSSON, M. - DE BOISSIEU, M. - BRUHNE, S. - DRESCHER, C. - ASSMUS, W. - OHAHSHI, S. - TSAI, A.P. - MIHALKOVIČ, Marek - KRAJČÍ, Marián - RAPP, O. Electronic and structural properties of Laves-phase MgZn2 of varying chemical disorder. In Physical Review B, 2010, vol. 82, no. 2, 024202. (3.475 - IF2009). (2010 - Current Contents, WOS, SCOPUS). ISSN 1550-235X.

Citácie:

1. [1.1] CHANDRASEKHAR, Nita - SHOLL, David S. Large-Scale Computational Screening of Binary Intermetallics for Membrane-Based Hydrogen Separation. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2015, vol. 119, no.

47, pp. 26319., WOS

ADCA120 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.

Citácie:

1. [1.1] THIRUPUGALMANI, K. - KAITHICK, S. - SHANMUGAM, G. - KANNAN, V. - SRIDHAR, B. - NEHRU, K. - BRAHADEESWARAN, S. Second- and third-order nonlinear optical and quantum chemical studies on 2-amino-4-picolinium-nitrophenolate-nitrophenol: A phasematchable organic single crystal. In OPTICAL MATERIALS. ISSN 0925-3467, 2015, vol. 49, pp. 158., WOS

ADCA121 ANDREYEV, A.N. - ELSEVIERS, J. - HUYSE, M. - VAN DUPPEN, P. - ANTALIC, S. - BARZAKH, A. - BREE, N. - COCOLIOS, T.E. - COMAS, V.F. - DIRIKEN, J. - FEDOROV, D. - FEDOSSEEV, V. - FRANCHOO, S. - HEREDIA, J.A. - IVANOV, O. - KOSTER, U. - MARSH, B.A. - NISHIO, K. - PAGE, R.D. - PATRONIS, N. - SELIVERSTOV, M. - TSEKHANOVICH, I. - VAN DEN BERGH, P. - VAN DE WALLE, J. - VENHART, M. - VERMOTE, S. - VESELSKÝ, Martin - WAGEMANS, C. - ICHIKAWA, T. - IWAMOTO, A. - MOLLER, P. - SIERK, A.J. New type of asymmetric Fission in proton-rich nuclei. In Physical Review Letters, 2010, vol. 105, no. 25, 252502. (7.328 - IF2009). (2010 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Citácie:

1. [1.1] BARTEL, J. et al. Fission properties of Po isotopes. In PHYSICA SCRIPTA, 2015, vol. 90, no, 11, 114004., WOS

2. [1.1] CARJAN, N. - IVANYUK, F. A. - OGANESSIAN, Yu. - TER-AKOPIAN, G. Fission of transactinide elements described in terms of generalized Cassinian ovals: Fragment mass and total kinetic energy distributions. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2015, vol. 942, pp. 97., WOS

3. [1.1] DEPPMAN, A. - KARAPETYAN, G. S. - GUIMARAES, V. - GONZALES, C. - BALABEKYAN, A. R. - DEMEKHINA, N. A. Bremsstrahlung-induced fission and spallation of the pre-actinide nucleus Ta-181. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 91, no. 2, 024620., WOS

4. [1.1] GORBINET, T. - BELIER, G. - BOUTOUX, G. - CHATILLON, A. - EBRAN, A. - LAURENT, B. - MARTIN, J.F. - PELLEREAU, E. - TAIEB, J. - AUDOUIN, L. - TASSAN-GOT, L. - JURADO, B. - ALVAREZ-POL, H. - AYYAD, Y. - BENLLIURE, J. - CAAMANO, M. - CORTINA-GIL, D. - FERNANDEZ-DOMINGUEZ, B. - PARADELA, C. - RODRIGUEZ-SANCHEZ, J.L. - VARGAS, J. - CASAREJOS, E. - HEINZ, A. - KELIC-HEIL, A. - KURZ, N. - NOCIFORO, C. - PIETRI, S. - PROCHAZKA, A. - ROSSI, D. - SCHMIDT, K.H. - SIMON, H. - VOSS, B. - WEICK, H. - WINFIELD, J. S. A sample of the results of the first SOFIA experiment. In SCIENTIFIC WORKSHOP ON NUCLEAR FISSION DYNAMICS AND THE EMISSION OF PROMPT NEUTRONS AND GAMMA RAYS, THEORY-3. ISSN 1875-3892, 2015, vol. 64, pp. 101., WOS

5. [1.1] IVANYUK, F. A. - CHIBA, S. - ARITOMO, Y. The Scission Point Configuration and the Multiplicity of Prompt Neutrons. In SCIENTIFIC WORKSHOP ON NUCLEAR FISSION DYNAMICS AND THE EMISSION OF PROMPT NEUTRONS AND GAMMA RAYS, THEORY-3. ISSN 1875-3892, 2015, vol. 64, pp. 28., WOS

6. [1.1] LEMAITRE, Jean-Francois - PANEBIANCO, Stefano - SIDA, Jean-Luc - HILAIRE, Stephane - HEINRICH, Sophie. New statistical scission-point model to predict fission fragment observables. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 92, no. 3, 034617., WOS

7. [1.1] LYNCH, Kara Marie. Laser Assisted Nuclear Decay Spectroscopy. In LASER ASSISTED NUCLEAR DECAY SPECTROSCOPY: A NEW METHOD FOR STUDYING NEUTRON-DEFICIENT FRANCIUM ISOTOPES. ISSN 2190-5053, 2015,pp. 53., WOS
8. [1.1] MARTIN, Julie-Fiona - TAIEB, Julien - CHATILLON, Audrey - BELIER, Gilbert - BOUTOUX, Guillaume - EBRAN, Adeline - GORBINET, Thomas - GRENTE, Lucie - LAURENT, Benoit - PELLEREAU, Eric - ALVAREZ-POL, Hector - AUDOUIN, Laurent - AUMANN, Thomas - AYYAD, Yassid - BENLLIURE, Jose - CASAREJOS, Enrique - CORTINA GIL, Dolores - CAAMANO, Manuel - FARGET, Fanny - FERNANDEZ DOMINGUEZ, Beatriz - HEINZ, Andreas - JURADO, Beatriz - KELIC-HEIL, Aleksandra - KURZ, Nikolaus - NOCIFORO, Chiara - PARADELA, Carlos - PIETRI, Stephane - RAMOS, Diego - RODRIGUEZ-SANCHEZ, Jose-Luis - RODRIGUEZ-TAJES, Carme - ROSSI, Dominic - SCHMIDT, Karl-Heinz - SIMON, Haik - TASSAN-GOT, Laurent - VARGAS, Jossitt - VOSS, Bernd - WEICK, Helmut. Studies on fission with ALADIN Precise and simultaneous measurement of fission yields, total kinetic energy and total prompt neutron multiplicity at GSI. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2015, vol. 51, no. 12, 174., WOS
9. [1.1] MCCUTCHAN, E. A. Nuclear Data Sheets for A=180. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2015, vol. 126, pp. 151., WOS
10. [1.1] MOELLER, Peter - RANDRUP, Jorgen. Calculated fission-fragment yield systematics in the region 74 <= Z <= 94 and 90 <= N <= 150. In PHYSICAL REVIEW C. ISSN 2469-9985, 2015, vol. 91, no. 4, 044316., WOS
11. [1.1] NERLO-POMORSKA, B. - POMORSKI, K. - SCHMITT, C. - BARTEL, J. Potential energy surfaces of Polonium isotopes. In PHYSICA SCRIPTA. ISSN 0031-8949, 2015, vol. 90, no. 11, p114010, WOS
12. [1.1] PRASAD, E. - HINDE, D. J. - RAMACHANDRAN, K. - WILLIAMS, E. - DASGUPTA, M. - CARTER, I. P. - COOK, K. J. - JEUNG, D. Y. - LUONG, D. H. - MCNEIL, S. - PALSHETKAR, C. S. - RAFFERTY, D. C. - SIMENEL, C. - WAKHLE, A. - KHUYAGBAATAR, J. - DUELLMANN, Ch. E. - LOMMEL, B. - KINDLER, B. Observation of mass-asymmetric fission of mercury nuclei in heavy ion fusion. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 91, no. 6, 064605., WOS
13. [1.1] SCAMPS, Guillaume - SIMENEL, Cedric - LACROIX, Denis. Superfluid dynamics of Fm-258 fission. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 92, no. 1, 011602., WOS
14. [1.1] SCHMIDT, Karl-Heinz - JURADO, Beatriz. General Laws of Quantum and Statistical Mechanics Governing Fission. In Nuclear Physics: Present and Future, 2015, pp. 121., WOS
15. [1.1] SCHMIDT, Karl-Heinz - JURADO, Beatriz. Revealing hidden regularities with a general approach to fission. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2015, vol. 51, no. 12, 176., WOS
16. [1.1] TRIPATHI, R. - SODAYE, S. - SUDARSHAN, K. - NAYAK, B. K. - JHINGAN, A. - PUJARI, P. K. - MAHATA, K. - SANTRA, S. - SAXENA, A. - MIRGULE, E. T. - THOMAS, R. G. Fission fragment mass distributions in Cl-35+Sm-144,Sm-154 reactions. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 92, no. 2, 024610., WOS
17. [1.1] WARDA, M. - ZDEB, A. Fission fragment mass yield deduced from density distribution in the pre-scission configuration. In PHYSICA SCRIPTA. ISSN 0031-8949, 2015, vol. 90, no. 11, 114003., WOS

ADCA122 ANDREYEV, A.N. - LIBERATI, V. - ANTALIC, S. - ACKERMANN, D. -

BARZAKH, A. - BREE, N. - COCOLIOS, T.E. - DIRIKEN, J. - ELSEVIERS, J. - FEDOROV, D. - FINK, D. - FRANCHOO, S. - HEINZ, S. - HESSBERGER, F.P. - HOFMANN, S. - HUYSE, M. - IVANOV, O. - KHUYAGBAATAR, J. - KINDLER, B. - KOSTER, U. - LANE, J.F.W. - LOMMEL, B. - MARSH, B. - MOLKANOV, P. - NISHIO, K. - PAGE, R.D. - PATRONIS, N. - PAUWELS, D. - RADULOV, D. - SARO, S. - SELIVERSTOV, M. - SJODIN, M. - TSEKHANOVICH, I. - VAN DEN BERGH, P. - VAN DUPPEN, P. - VENHART, Martin - VESELSKÝ, Martin. Alpha-decay spectroscopy of the chain Ti-179(g) - Au-175(g) - Ir-171(g) - Re-167(m). In Physical Review C, 2013, vol. 87, no. 5, 054311. (3.715 - IF2012). (2013 - Current Contents, WOS, SCOPUS). ISSN 2469-9985.

Citácie:

1. [1.1] SEIF, W. M. Nucleon pairing correlations and the alpha cluster preformation probability inside heavy and superheavy nuclei. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 91, no. 1, 014322., WOS

ADCA123 ANTICIC, T. - BAATAR, B. - BARMA, D. - BETLER, M. - BETEV, L. - FILIP, Peter. Energy and centrality dependence of deuteron and proton production. In Physical review C, 2004, vol. 69, no. 2, 024902. (2.708 - IF2003). (2004 - Current Contents, SCOPUS). ISSN 2469-9985.

Citácie:

1. [1.1] BARILE, F. In EPJ WEB OF CONFERENCE, 2015, vol. 95, 04003., WOS

2. [1.1] BARILE, F. In NUOVO CIMENTO C, 2015, vol. 38, 64., WOS

3. [1.1] DAS, S. In WPJ WEB OF CONFERENCE, 2015, vol. 90, 08007., WOS

4. [1.1] IVANOV, Yu.B. In PHYSKCAL REVIEW C, 2015, vol. 92, 024916., WOS

ADCA124 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. (2.708 - IF2003). (2004 - Current Contents, SCOPUS). ISSN 2469-9985.

Citácie:

1. [1.1] AHMAD, S. et al. In EPL, 2015, vol. 112, 42001., WOS

ADCA125 ANTICIC, T. - BAATAR, B. - BARNA, D. - BEHLER, M. - BETEV, L. - FILIP, Peter. Lambda and (Lambda) over-bar production in central Pb-Pb collisions. In Physical Review Letters, 2004, vol. 93, no. 2, 022302. (7.035 - IF2003). (2004 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Citácie:

1. [1.1] BUGAEV, K.A. In UKRAINIAN JOURNAL OF PHYSICS, 2015, vol. 60, p. 181., WOS

ADCA126 ANWARZAI, B. - AC, V. - LUBY, Štefan - MAJKOVÁ, Eva - SENDERÁK, Rudolf. Pseudo spin-valve on plastic substrate as sensing elements of mechanical strain. In Vacuum, 2009, vol. 84, p. 108-110. (1.114 - IF2008). (2009 - Current Contents). ISSN 0042-207X.

Citácie:

1. [1.1] PROTSENKO, S.I. et al. Future strain properties of multilayer film materials . In SPRINGER PROCEEDINGS IN PHYSICS, 2015, vol. 156, p. 345-374., WOS

ADCA127 AUGER, M.A. - SANCHEZ, O. - BALLESTEROS, C. - JERGEL, Matej - AGUILAR-FRUTIS, M. - FALCONY, C. TiN/AlN bilayers and multilayers grown by magnetron Co-sputtering. In Thin Solid Films, 2003, vol. 433, no. 1-2, p. 211-216. ISSN 0040-6090.

Citácie:

1. [1.1] TALLEDO, A. et al. In JOURNAL MATERIALS SCIENCE AND

ENGINEERING A, 2015, vol. 5, p. 257-268, WOS

ADCA128 AUGER, M.A. - VÁZQUEZ, L. - SÁNCHEZ, O. - JERGEL, Matej - CUERNO, R. - CASTRO, M. Growth dynamics of reactive-sputtering-deposited AIN films. In Journal of Applied Physics, 2005, vol. 97, no. 12, 123528. (2.255 - IF2004). (2005 - Current Contents). ISSN 0021-8979.

Citácie:

1. [1.1] CHOWDHURY, Debasree - GHOSE, Debabrata. Super-roughening scaling behaviour of Si surface morphology at grazing incidence low energy ion beam sputtering. In APPLIED SURFACE SCIENCE. ISSN 0169-4332, 2015, vol. 324, pp. 517., WOS

2. [1.1] STACH, Sebastian - DALLAEVA, Dinara - TALU, Stefan - KASPAR, Pavel - TOMANEK, Pavel - GIOVANZANA, Stefano - GRMELA, Lubomir. Morphological features in aluminum nitride epilayers prepared by magnetron sputtering. In MATERIALS SCIENCE-POLAND, 2015, vol. 33, no. 1, pp. 175., WOS

ADCA129 AUGER, M.A. - VÁZQUEZ, L. - JERGEL, Matej - SÁNCHEZ, O. - ALBELLA, J.M. Structure and morphology evolution of ALN films grown by DC sputtering. In Surface and Coatings Technology, 2004, vol. 180, mAR, p.140-144. ISSN 0257-8972.

Citácie:

1. [1.1] MAZUR, Mauricio Marlon - PIANARO, Sidnei Antonio - PORTELLA, Kleber Franke - MENGARDA, Priscilla - GAIVAO PORTELLA BRAGANCA, Mariana D'Orey - RIBEIRO JUNIOR, Sebastido - SANTOS DE MELO, Jose Sergio - CERQUEIRA, Dailton Pedreira. Deposition and characterization of AlN thin films on ceramic electric insulators using pulsed DC magnetron sputtering. In SURFACE & COATINGS TECHNOLOGY. ISSN 0257-8972, 2015, vol. 284, pp. 247-251., WOS

2. [1.1] PIALAGO, Edward Joshua T. - KWON, Oh Kyung - KIM, Min-Soo - PARK, Chan Woo. Ternary Cu-CNT-AlN composite coatings consolidated by cold spray deposition of mechanically alloyed powders. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2015, vol. 650, pp. 199-209., WOS

3. [1.1] STACH, Sebastian - DALLAEVA, Dinara - TALU, Stefan - KASPAR, Pavel - TOMANEK, Pavel - GIOVANZANA, Stefano - GRMELA, Lubomir. Morphological features in aluminum nitride epilayers prepared by magnetron sputtering. In MATERIALS SCIENCE-POLAND, 2015, vol. 33, no. 1, pp. 175-184., WOS

ADCA130 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. (3.185 - IF2005). (2006 - Current Contents, WOS, SCOPUS). ISSN 1550-235X.

Citácie:

1. [1.1] CHOWDHURY, Debasree - GHOSE, Debabrata. Super-roughening scaling behaviour of Si surface morphology at grazing incidence low energy ion beam sputtering. In APPLIED SURFACE SCIENCE. ISSN 0169-4332, 2015, vol. 324, pp. 517-524., WOS

2. [1.1] YANG, J. J. - ZHU, H. L. - WAN, Q. - PENG, M. J. - RAN, G. - TANG, J. - YANG, Y. Y. - LIAO, J. L. - LIU, N. Multi-scale characterization of surface blistering morphology of helium irradiated W thin films. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS. ISSN 0168-583X, 2015, vol. 358, pp. 124-130., WOS

ADCA131 BALDINI, R. - DUBNIČKA, Stanislav - GAUZZI, P. - PACETTI, S. -

PASQUALUCCI, E. - SRIVASTAVA, Y. Nucleon time-like form factors below the NN threshold. In European Physical Journal C, 1999, vol. 11, no. 4, p. 709-715. (3.142 - IF1998). (1999 - Current Contents, WOS, SCOPUS). ISSN 1434-6044.

Citácie:

1. [1.1] BRODSKY, Stanley J. - DE TERAMOND, Guy F. - DOSCH, Hans Guenter - ERLICH, Joshua. Light-front holographic QCD and emerging confinement. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, 2015, vol. 584, pp. 1-105., WOS

2. [1.1] LORENZ, I. T. - HAMMER, H-W. - MEISSNER, Ulf-G. New structures in the proton-antiproton system. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 3, 034018., WOS

3. [1.1] SWARNKAR, Rohit - CHAKRABARTI, Dipankar. Meson structure in light-front holographic QCD. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 7, 074023., WOS

4. [1.1] YABUSAKI, George H. S. - AHMED, Ishtiaq - PARACHA, M. Ali - DE MELO, J. P. B. C. - EL-BENNICH, Bruno. Pseudoscalar mesons with symmetric bound state vertex functions on the light front. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 3, 034017., WOS

ADCA132 BALOG, Martin - YU, P. - QIAN, M. - BEHULOVA, M. - ŠVEC, Peter - CICKA, R. Nanoscaled Al-AIN composites consolidated by equal channel angular pressing (ECAP) of partially in situ nitrided Al powder. In Materials Science and Engineering A - Structural Materials Properties Microstructure and Processing, 2013, vol. 562, p. 190-195. (2.108 - IF2012). (2013 - Current Contents, WOS, SCOPUS). ISSN 0921-5093.

Citácie:

1. [1.1] JIA, Lei - KONDOH, Katsuyoshi - IMAI, Hisashi - ONISHI, Motohiro - CHEN, Biao - LI, Shu-feng. Nano-scale AlN powders and AlN/Al composites by full and partial direct nitridation of aluminum in solid-state. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2015, vol. 629, no., pp. 184-187., WOS

ADCA133 BAMIDELE, J. - BRNDIAR, Ján - GULANS, A. - KANTOROVICH, L. - ŠTICH, Ivan. Critical importance of van der Waals stabilization in strongly chemically bonded surfaces: Cu(110):0. In Journal of Chemical Theory and Computation, 2013, vol. 9, no. 12, p. 5578-5584. (5.389 - IF2012). (2013 - Current Contents). ISSN 1549-9618.

Citácie:

1. [1.1] GATTINONI, Chiara - MICHAELIDES, Angelos. Atomistic details of oxide surfaces and surface oxidation: the example of copper and its oxides. In SURFACE SCIENCE REPORTS. ISSN 0167-5729, 2015, vol. 70, no. 3, pp. 424-447., WOS

ADCA134 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. (10.742 - IF2013). (2014 - Current Contents). ISSN 2041-1723.

Citácie:

1. [1.1] BERGER, Jan - SPADAFORA, Evan J. - MUTOMBO, Pingo - JELINEK, Pavel - SVEC, Martin. Force-Driven Single-Atom Manipulation on a Low-Reactive Si Surface for Tip Sharpening. In SMALL. ISSN 1613-6810, 2015, vol. 11, no. 30, pp. 3686-3693., WOS

ADCA135 BANDŽUCH, Peter - MORHÁČ, Miroslav - KRIŠTIAK, Jozef. Study of the Van Cittert and Gold iterative methods. In Nuclear Instruments and Methods in Physics

Research A. Accelerators, Spectrometers, Detectors and Associated Equipment, 1997, vol. 384, no. 2-3, p. 506-515. (1.038 - IF1996). (1997 - Current Contents, SCOPUS). ISSN 0168-9002.

Citácie:

1. [1.1] REINHARDT, Sascha - HARTMANN, Soeren - PIMPL, Richard. Full Spectrum Analysis in Environmental Monitoring. In ATW-INTERNATIONAL JOURNAL FOR NUCLEAR POWER. ISSN 1431-5254, 2015, vol. 60, no. 6, pp. 381., WOS

ADCA136 BANDŽUCH, Peter - KRIŠTIAK, Jozef - ŠAUŠA, Ondrej - ZRUBCOVÁ, J.. Direct computation of the free volume fraction in amorphous. In Physical Review B, 2000, vol. 61, no. 13, p. 8784-8792. (3.008 - IF1999). (2000 - Current Contents). ISSN 1550-235X. Dostupné na internete: <http://prola.aps.org/abstract/PRB/v61/i13/p8784_1>.

Citácie:

1. [1.1] MANSILLA, M. A. - MARZOCCA, A. J. - MACCHI, C. - SOMOZA, A. Influence of vulcanization temperature on the cure kinetics and on the microstructural properties in natural rubber/styrene-butadiene rubber blends prepared by solution mixing. In EUROPEAN POLYMER JOURNAL. ISSN 0014-3057, 2015, vol. 69, pp. 50-61., WOS

ADCA137 BARTOŠ, Erik - GEVORKYAN, S.R. - KURAEV, E.A. - NIKOLAEV, N.N. Lepton pair production in heavy-ion collisions in perturbation theory. In Physical Review A, 2002, vol. 66, no. 4, 042720. ISSN 1050-2947.

Citácie:

1. [1.1] DA SILVEIRA, Gustavo G. - FORTHOMME, Laurent - PIOTRZKOWSKI, Krzysztof - SCHAEFER, Wolfgang - SZCZUREK, Antoni. Central mu(+)mu(-) production via photon-photon fusion in proton-proton collisions with proton dissociation. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, vol., no. 2, 159., WOS

ADCA138 BARTOŠ, Erik - DUBNIČKOVÁ, Anna Zuzana - DUBNIČKA, Stanislav - KURAEV, E. A. - ZEMPLYANAYA, E. Scalar and pseudoscalar meson pole terms in the hadronic light-by-light contributions to a had ć. In Nuclear Physics A, 2002, vol. 632, no. 1-3, p. 330-342. ISSN 0375-9474.

Citácie:

1. [1.1] DOROKHOV, A. E. - RADZHABOV, A. E. - ZHEVLAKOV, A. S. Dynamical quark loop light-by-light contribution to muon g-2 within the nonlocal chiral quark model. In EUROPEAN PHYSICAL JOURNAL C, 2015, vol. 75, no. 9, 417., WOS

2. [1.1] DOROKHOV, A. E. - RADZHABOV, A. E. - ZHEVLAKOV, A. S. Past, present and future of the muon g-2. In Journal of Modern Physics-Conference Series, 2015, vol. 39 ., WOS

ADCA139 BARTOŠ, Josef - ŠAUŠA, Ondrej - BANDŽUCH, Peter - ZRUBCOVÁ, J. - KRIŠTIAK, Jozef. Free volume factor in supercooled liquid dynamics. In Journal of Non-Crystalline Solids. - Amsterdam : Elsevier Science, 2002, vol. 307, sEP, p. 417-425. (1.363 - IF2001). (2002 - Current Contents, SCOPUS). ISSN 0022-3093.

Citácie:

1. [1.1] LI, Jinjiang - ZHAO, Junshu - TAO, Li - WANG, Jennifer - WAKNIS, Vrushali - PAN, Duohai - HUBERT, Mario - RAGHAVAN, Krishnaswamy - PATEL, Jatin. The Effect of Polymeric Excipients on the Physical Properties and Performance of Amorphous Dispersions: Part I, Free Volume and Glass Transition. In PHARMACEUTICAL RESEARCH. ISSN 0724-8741, 2015, vol. 32, no. 2, pp. 500-515., WOS

2. [1.1] MANSILLA, M. A. - MARZOCCA, A. J. - MACCHI, C. - SOMOZA, A.

Influence of vulcanization temperature on the cure kinetics and on the microstructural properties in natural rubber/styrene-butadiene rubber blends prepared by solution mixing. In EUROPEAN POLYMER JOURNAL. ISSN 0014-3057, 2015, vol. 69, pp. 50-61., WOS

ADCA140 BARTOŠ, Josef - ISKROVÁ - MIKLOŠOVIČOVÁ, Martina - CANGIALOSI, D. - ALEGRÍA, A. - ŠAUŠA, Ondrej - ŠVAJDLENKOVÁ, Helena - ARBE, A. - KRIŠTIAK, Jozef - COLMENERO, J. Positron annihilation and relaxation dynamics from dielectric spectroscopy: poly (vinylmethylether). In Journal of Physics: Condensed Matter, 2012, vol. 24, art.no.155104. (2.546 - IF2011). (2012 - Current Contents, WOS, SCOPUS). ISSN 0953-8984.

Citácie:

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

2. [1.1] NGAI, K.L. - CAPACCIOLI, S. - PREVOSTO, D. - WANG, L.M. Coupling of Caged Molecule Dynamics to JG beta-Relaxation II: Polymers. In JOURNAL OF PHYSICAL CHEMISTRY B. ISSN 1520-6106, SEP 24 2015, vol. 119, no. 38, p. 12502-12518., WOS

ADCA141 BARTOŠ, Josef - ŠAUŠA, Ondrej - SCHWARTZ, G.A. - ALEGRÍA, A. - ALBERDI, J.M. - ARBE, A. - KRIŠTIAK, Jozef - COLMENERO, J. Positron annihilation and relaxation dynamics from dielectric spectroscopy and nuclear magnetic resonance: Cis-trans-1,4-poly(butadiene). In Journal of Chemical Physics, 2011, vol.134, art.no.164507 p.1-10. (2.921 - IF2010). (2011 - Current Contents). ISSN 0021-9606.

Citácie:

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

ADCA142 BARTOŠ, Josef - KRIŠTIAK, Jozef. Free volume from the positron annihilation lifetime spectroscopy method and its relationships with the various microscopic and macroscopic dynamic properties of ortho-terphenyl. In Journal of Physics: Condensed Matter, 1999, vol. 11, p. A371-A377. (1.645 - IF1998). (1999 - Current Contents, SCOPUS). ISSN 0953-8984.

Citácie:

1. [1.1] ELHRARI, W. - ASSUMPTION, H. - MALLON, P.E. Correlation between positron annihilation lifetime parameters and T-1 rho relaxation times determined from solid state NMR at the compositional phase segregation point of graft copolymers. In POLYMER. ISSN 0032-3861, OCT 23 2015, vol. 77, p. 95-101., WOS

ADCA143 BARTOŠ, Josef - MAJERNÍK, V. - ISKROVÁ, Martina - ŠAUŠA, Ondrej - KRIŠTIAK, Jozef - LUNKENHEIMER, P. - LOIDL, A. Positron annihilation response and broadband dielectric spectroscopy: Propylene carbonate. In Journal of Non-Crystalline Solids, 2010, vol. 356, p. 794 - 799. (1.252 - IF2009). (2010 - Current Contents, SCOPUS). ISSN 0022-3093.

Citácie:

1. [1.1] NGAI, K.L. - CAPACCIOLI, S. - PREVOSTO, D. - WANG, L.M. Coupling of Caged Molecule Dynamics to JG beta-Relaxation III: van der Waals Glasses. In JOURNAL OF PHYSICAL CHEMISTRY B. ISSN 1520-6106, SEP 24 2015,

vol. 119, no. 38, p. 12519-12525., WOS

ADCA144 BARTOŠ, Josef - BANDŽUCH, Peter - ŠAUŠA, Ondrej - KRIŠTIAKOVÁ, Katarína - KRIŠTIAK, Jozef - KANAYA, T. - JENNINGER, W. Free volume microstructure and its relationship to the chain dynamics in cis-1,4-poly(butadiene) as seen by positron annihilation lifetime spectroscopy. In Macromolecules, 1997, vol. 30, no. 22, p. 6906 - 6912. (3.331 - IF1996). (1997 - Current Contents). ISSN 0024-9297.

Citácie:

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

ADCA145 BARTOŠ, Josef - KRIŠTIAK, Jozef - KANAYA, T. Free volume and microscopic dynamics in amorphous polymers. In Physica B, 1997, vol. 234-236, p. 435-436.

Citácie:

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

ADCA146 BARTOŠ, Josef - ISKROVÁ, Martina - KOHLER, M. - WEHN, R. - ŠAUŠA, Ondrej - LUNKENHEIMER, P. - KRIŠTIAK, Jozef - LOIDL, A. Positron annihilation response and broadband dielectric spectroscopy: Salol. In European Physical Journal E : Soft Matter and Biological Physics, 2011, vol. 34, p. 104 - 114. (2.096 - IF2010). (2011 - Current Contents, WOS, SCOPUS). ISSN 1292-8941.

Citácie:

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

2. [1.1] RICHERT, R. SUPERCOOLED LIQUIDS AND GLASSES BY DIELECTRIC RELAXATION SPECTROSCOPY. In ADVANCES IN CHEMICAL PHYSICS, VOL 156. ISSN 0065-2385, 2015, vol. 156, p. 101-195., WOS

ADCA147 BARUFFA, F. - STAŇO, Peter - FABIAN, J. Theory of anisotropic exchange in laterally coupled quantum dots. In Physical Review Letters, 2010, vol. 104, no. 12, 126401. (7.328 - IF2009). (2010 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Citácie:

1. [1.1] FENG, Li-Qin - LI, Jing-Qi - XIAO, Jing-Lin. Temperature effects on excited state of strong-coupling polaron in an asymmetric RbCl quantum dot. In MODERN PHYSICS LETTERS B. ISSN 0217-9849, 2015, vol. 29, no. 2, 1450261., WOS

2. [1.1] TANAMOTO, Tetsufumi - ONO, Keiji - LIU, Yu-xi - NORI, Franco. Dynamic creation of a topologically-ordered Hamiltonian using spin-pulse control in the Heisenberg model. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2015, vol. 5, 10076., WOS

ADCA148 BAYINDIR, Mehmet - AYDIN, K. - OZBAY, E. - MARKOŠ, Peter - SOUKOULIS, C.M. Transmission properties of composite metamaterials in free space. In Applied Physics Letters, 2002, vol. 81, no. 1, p. 120-122. ISSN 0003-6951.

Citácie:

1. [1.1] ALAVIKIA, Babak - KABIRI, Ali - RAMAHI, Omar M. Poynting theorem constraints on the signs of the imaginary parts of the electromagnetic constitutive parameters. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA A-OPTICS IMAGE SCIENCE AND VISION. ISSN 1084-7529, 2015, vol. 32, no.

4, pp. 522., WOS

2. [1.1] DOVGIY, Alexander A. - BESEDIN, Ilya S. Discrete gap solitons in binary positive-negative index nonlinear waveguide arrays with strong second-order couplings. In PHYSICAL REVIEW E. ISSN 1539-3755, 2015, vol. 92, no. 3, 032904., WOS

ADCA149 BELIČKA, M. - DUBNIČKA, Stanislav - DUBNIČKOVÁ, A.Z. - LIPTAJ, Andrej. Rigorous pion electromagnetic form factor behavior in the spacelike region. In Physical Review C. Nuclear physics, 2011, vol. 83, no. 2, 028201. (3.416 - IF2010). (2011 - Current Contents). ISSN 2469-9985.

Citácie:

1. [1.1] GOLOSKOKOV, S. V. - KROLL, P. The exclusive limit of the pion-induced Drell-Yan process. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 748, pp. 323-327., WOS

ADCA150 BENGUS, V.Z. - TABACHNIKOVA, E.D. - DUHAJ, Pavol - OCELIK, V. Low temperature mechanical properties of metallic glasses- Connection with structure. In Materials Science and Engineering A - Structural Materials Properties Microstructure and Processing, 1997, vol. 226, p. 823-832. (0.852 - IF1996). (1997 - Current Contents, WOS, SCOPUS). ISSN 0921-5093.

Citácie:

1. [1.1] SUN, Y. H. Inverse ductile-brittle transition in metallic glasses? In MATERIALS SCIENCE AND TECHNOLOGY. ISSN 0267-0836, 2015, vol. 31, no. 6, pp. 635-650., WOS

ADCA151 BENKOVIČOVÁ, Monika - VÉGSO, Karol - ŠIFFALOVIČ, Peter - JERGEL, Matej - LUBY, Štefan - MAJKOVÁ, Eva. Preparation of gold nanoparticles for plasmonic applications. In Thin Solid Films, 2013, vol. 543, p. 138-141. (1.604 - IF2012). (2013 - Current Contents). ISSN 0040-6090.

Citácie:

1. [1.1] ENGLAND, Christopher G. - MILLER, M. Clarke - KUTTAN, Ashani - TRENT, John O. - FRIEBOES, Hermann B. Release kinetics of paclitaxel and cisplatin from two and three layered gold nanoparticles. In EUROPEAN JOURNAL OF PHARMACEUTICS AND BIOPHARMACEUTICS. ISSN 0939-6411, 2015, vol. 92, MAY, pp. 120-129 ., WOS

2. [1.1] ENGLAND, Christopher G. - NG, Chin F. - VAN BERKEL, Victor - FRIEBOES, Hermann B. A Review of Pharmacological Treatment Options for Lung Cancer: Emphasis on Novel Nanotherapeutics and Associated Toxicity. In CURRENT DRUG TARGETS. ISSN 1389-4501, 2015, vol. 16, no. 10, pp. 1057-1087., WOS

3. [1.1] PAP, Zsolt - TOTH, Zsejke Reka - DANCIU, Virginia - BAIA, Lucian - KOVACS, Gabor. Differently Shaped Au Nanoparticles: A Case Study on the Enhancement of the Photocatalytic Activity of Commercial TiO2. In MATERIALS. ISSN 1996-1944, 2015, vol. 8, no. 1, pp. 162-180., WOS

ADCA152 BENKOVIČOVÁ, Monika - VÉGSO, Karol - ŠIFFALOVIČ, Peter - JERGEL, Matej - MAJKOVÁ, Eva - LUBY, Štefan - ŠATKA, A. Preparation of sterically stabilized gold nanoparticles for plasmonic applications. In Chemical Papers, 2013, vol. 67, no. 9, p. 1225-1230. (0.879 - IF2012). (2013 - Current Contents). ISSN 0366-6352.

Citácie:

1. [1.1] HOLGER, S.-EICHHORN-YU,J.K. Directed assembly and self-organization of metal nanoparticles in two and three dimensions. In NANOSCIENCE AND TECHNOLOGY, 2015, vol. 100, p. 289-336., WOS

ADCA153 BERLING, D. - CARICATO, A.P. - DENYS, Y. - FERNANDEY, M. - LEGGIERI, G. - LUBY, Štefan - LUCHES, A. - MARTINO, M. - MENGUCCI, P. FexNi100-x

nanometric films deposited by laser ablation on SiO2/Si substrates. In Applied Surface Science, 2007. Vol. 253, no. 15, p. 6522-6526. ISSN 0169-4332.

Citácie:

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

ADCA154 BERTHOLD, R. - KREINER, G. - BURKHARDT, U. - HOFFMANN, S. - AUFFERMANN, G. - PROTS, Y. - DASHJAV, E. - AMARSANAA, A. - MIHALKOVIČ, Marek. Crystal structure and phase stability of the Phi phase in the Al-Mg-Zn system. In Intermetallics, 2013, vol. 32, p. 259-273. (1.857 - IF2012). (2013 - Current Contents). ISSN 0966-9795.

Citácie:

1. [1.1] MAKONGO, Julien P. A. - DARONE, Gregory M. - XIA, Sheng-Qing - BOBEV, Svilen. Non-stoichiometric compositions arising from synergistic electronic and size effects. Synthesis, crystal chemistry and electronic properties of A(14)Cd(1+x)Pn(11) compounds (0 <= x <= 0.3; A = Sr, Eu; Pn = As, Sb). In JOURNAL OF MATERIALS CHEMISTRY C. ISSN 2050-7526, 2015, vol. 3, no. 40, pp. 10388-10400., WOS

ADCA155 BERTHOLD, R. - MIHALKOVIČ, Marek - BURKHARDT, U. - PROTS, Yu. - AMARSANAA, A. - KREINER, G. Crystal structure, disorder and composition of the 2/1 approximant in the Al-Mg-Zn system revisited. In Intermetallics, 2014, vol. 53, p. 67-84. (2.119 - IF2013). (2014 - Current Contents). ISSN 0966-9795.

Citácie:

1. [1.1] MAKONGO, Julien P. A. - DARONE, Gregory M. - XIA, Sheng-Qing - BOBEV, Svilen. Non-stoichiometric compositions arising from synergistic electronic and size effects. Synthesis, crystal chemistry and electronic properties of A(14)Cd(1+x)Pn(11) compounds (0 <= x <= 0.3; A = Sr, Eu; Pn = As, Sb). In JOURNAL OF MATERIALS CHEMISTRY C. ISSN 2050-7526, 2015, vol. 3, no. 40, pp. 10388., WOS

ADCA156 BERTLE, R. - FABER, M. - GREENSITE, J. - OLEJNÍK, Štefan. The structure of projected center vortices in lattice gauge theory. In Journal of High Energy Physics, 1999, 03, 019. ISSN 1126-6708.

Citácie:

1. [1.1] HOELLWIESER, Roman - ENGELHARDT, Michael. Approaching SU(2) gauge dynamics with smeared Z(2) vortices. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 3, 034502., WOS

2. [1.1] KONDO, Kei-Ichi - KATO, Seikou - SHIBATA, Akihiro - SHINOHARA, Toru. Quark confinement: Dual superconductor picture based on a non-Abelian Stokes theorem and reformulations of Yang-Mills theory. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, 2015, vol. 579, pp. 1-226., WOS

ADCA157 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. (1.626 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 0375-9601.

Citácie:

1. [1.1] CHIRIBELLA, G. - YANG, Y. - HUANG, C. Universal Superreplication of Unitary Gates. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 114, no. 12, 120504., WOS

ADCA158 BOHÁČ, Vlastimil - GUSTAVSSON, Mattias K. - KUBIČÁR, Ľudovít -

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

Citácie:

1. [1.1] NOH, Ye Ji - KIM, Seong Yun. Synergistic improvement of thermal conductivity in polymer composites filled with pitch based carbon fiber and graphene nanoplatelets. In POLYMER TESTING. ISSN 0142-9418, 2015, vol. 45, pp. 132-138., WOS

2. [1.1] WARZOHA, Ronald J. - FLEISCHER, Amy S. Effect of carbon nanotube interfacial geometry on thermal transport in solid-liquid phase change materials. In APPLIED ENERGY. ISSN 0306-2619, 2015, vol. 154, pp. 271-276., WOS

ADCA159 BONANOME, M. - BUŽEK, Vladimír - HILLERY, M. - ZIMAN, Mário. Toward protocols for quantum-ensured privacy and secure voting. In Physical Review A, 2011, vol. 84, no. 2, 022331. (2.861 - IF2010). (2011 - Current Contents). ISSN 1050-2947.

Citácie:

1. [1.1] ZHANG, Cai - SUN, Zhi-Wei - HUANG, Xiang - LONG, Dong-Yang. Three-party quantum summation without a trusted third party. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION. ISSN 0219-7499, 2015, vol. 13, no. 2, 1550011., WOS

ADCA160 BOUDA, J. - PIVOLUSKA, M. - PLESCH, Martin - WILMOTT, C. Weak randomness seriously limits the security of quantum key distribution. In Physical Review A, 2012, vol. 86, 062308. (2.878 - IF2011). (2012 - Current Contents). ISSN 1050-2947.

Citácie:

1. [1.1] LI, Hong-Wei - YIN, Zhen-Qiang - WANG, Shuang - QIAN, Yong-Jun - CHEN, Wei - GUO, Guang-Can - HAN, Zheng-Fu. Randomness determines practical security of BB84 quantum key distribution. In Scientific Reports. ISSN 2045-2322, 2015, vol. 5, 16200., WOS

2. [1.1] RAHAMAN, Ramij - PARKER, Matthew G. - MIRONOWICZ, Piotr - PAWLOWSKI, Marcin. Device-independent quantum key distribution based on measurement inputs. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 92, no. 6, 062304., WOS

3. [1.1] WANG, Hong - CHEN, Kai - GAO, Ming - MA, Zhi - WANG, Weilong - LI, Chaobo - MA, Chuangui. Randomness expansion with a one-sided trusted device. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 91, no. 5, 052308., WOS

4. [1.1] ZHOU, Yu-Qian - LI, Hong-Wei - WANG, Yu-Kun - LI, Dan-Dan - GAO, Fei - WEN, Qiao-Yan. Semi-device-independent randomness expansion with partially free random sources. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 92, no. 2, 022331., WOS

ADCA161 BOUDA, J. - ZIMAN, Mário. Optimality of private quantum channels. In Journal of Physics A, 2007. Vol. 40, no. 20, p. 5415-5426. ISSN 1751-8113.

Citácie:

1. [1.1] JEONG, Kabgyun - KIM, Jaewan - LEE, Su-Yong. Gaussian private quantum channel with squeezed coherent states. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2015, vol. 5, 13974., WOS

2. [1.1] JEONG, Kabgyun - KIM, Jaewan. Secure sequential transmission of quantum information. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2015, vol. 14, no. 9, pp. 3523., WOS

ADCA162 BRAUNSTEIN, S.L. - BUŽEK, Vladimír - HILLERY, M. Quantum-information distributors: Quantum network for symmetric and asymmetric cloning in arbitary

dimension and continuous limit. In Physical Review A, 2001, vol. 63, 052313. (2.684 - IF2000). ISSN 1050-2947.

Citácie:

1. [1.1] REN, Xi-Jun - FAN, Heng. QUANTUM CIRCUITS FOR ASYMMETRIC 1> n QUANTUM CLONING. In QUANTUM INFORMATION & COMPUTATION. ISSN 1533-7146, 2015, vol. 15, no. 11-12, pp. 914., WOS

2. [1.1] WASEEM, Muhammad - IRFAN, Muhammad - QAMAR, Shahid. Realization of quantum gates with multiple control qubits or multiple target qubits in a cavity. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2015, vol. 14, no. 6, pp. 1869., WOS

ADCA163 BRAVYI, S. - CAHA, Libor - MOVASSAGH, R. - NAGAJ, Daniel - SHOR, P. Criticality without frustration for quantum spin-1 chains. In Physical Review Letters, 2012, vol. 109, no. 20, 207202. (7.370 - IF2011). (2012 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Citácie:

1. [1.1] FACCHI, P. - FLORIO, G. - PARISI, G. - PASCAZIO, S. - SCARDICCHIO, A. Large-N-approximated field theory for multipartite entanglement. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 92, no. 6 ., WOS

2. [1.1] FACCHI, P. - FLORIO, G. - PARISI, G. - PASCAZIO, S. - SCARDICCHIO, A. Large-N-approximated field theory for multipartite entanglement. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 92, no. 6, DEC 16 2015., WOS

3. [1.1] JARRET, Michael - JORDAN, Stephen P. ADIABATIC OPTIMIZATION WITHOUT LOCAL MINIMA. In QUANTUM INFORMATION & COMPUTATION. ISSN 1533-7146, 2015, vol. 15, no. 3-4, pp. 181., WOS

4. [1.1] JARRET, Michael - JORDAN, Stephen P. ADIABATIC OPTIMIZATION WITHOUT LOCAL MINIMA. In QUANTUM INFORMATION & COMPUTATION. ISSN 1533-7146, 2015, vol. 15, no. 3-4, pp. 181., WOS

5. [1.1] RAO, Wen-Jia - CAI, Kang - WAN, Xin - ZHANG, Guang-Ming. Emergent quantum criticality from fractionalizing one-dimensional SO(5) symmetric valence-bond solid states. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 92, no. 21, 214430., WOS

6. [1.1] RAO, Wen-Jia - CAI, Kang - WAN, Xin - ZHANG, Guang-Ming. Emergent quantum criticality from fractionalizing one-dimensional SO(5) symmetric valence-bond solid states. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 92, no. 21, 214430., WOS

ADCA164 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.

Citácie:

1. [1.1] EKUMA, C. E. - MOORE, C. - TERLETSKA, H. - TAM, K.M. - MORENO, J. - JARRELL, M. - VIDHYADHIRAJA, N. S. Finite-cluster typical medium theory for disordered electronic systems. In PHYSICAL REVIEW B. ISSN 2469-9950, 2015, vol. 92, no. 1, 014209., WOS

2. [1.1] PIXLEY, J. H. - GOSWAMI, Pallab - DAS SARMA, S. Anderson Localization and the Quantum Phase Diagram of Three Dimensional Disordered Dirac Semimetals. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 115, no. 7, 076601., WOS

3. [1.1] SUSLOV, I. M. Multifractality and quantum diffusion from self-consistent theory of localization. In JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS. ISSN 1063-7761, 2015, vol. 121, no. 5, pp. 885-901., WOS

ADCA165 BRNDIAR, Ján - ŠTICH, Ivan. Van der Waals interaction energies of small fragments of P, As, Sb, S, Se and Te: Comparison of complete basis set limit CCSD(T) and DFT with approximate dispersion. In Journal of Chemical Theory and Computation, 2012, vol. 8, no. 7, p. 2301-2309. (5.215 - IF2011). (2012 - Current Contents). ISSN 1549-9618.

Citácie:

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

ADCA166 BRNDIAR, Ján - TURANSKÝ, Robert - DIETZEL, D. - SCHIRMEISEN, A. - ŠTICH, Ivan. Understanding frictional duality and bi-duality: Sb- nanoparticles on HOPG. In Nanotechnology, 2011, vol. 22, no. 8, 085704. (3.652 - IF2010). (2011 - Current Contents). ISSN 0957-4484.

Citácie:

1. [1.1] MANINI, N. - BRAUN, Oleg M. - VANOSSI, A. Nanotribology: Nonlinear Mechanisms of Friction. In FUNDAMENTALS OF FRICTION AND WEAR ON THE NANOSCALE, 2ND EDITION. ISSN 1434-4904, 2015, pp. 175-208., WOS

2. [1.1] ZHU, Peng-Zhe - HU, Yuan-Zhong - MA, Tian-Bao - LI, Rui - WANG, Hui. Atomic simulations of effects of contact size and interfacial interaction strength on superlubricity in incommensurate sliding interface. In APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING. ISSN 0947-8396, 2015, vol. 118, no. 1, pp. 301-306., WOS

ADCA167 BRNDIAR, Ján - DERIAN, René - MARKOŠ, Peter. Generalized Dorokhov-Mello-Pereyra-Kumar equation for strongly localized regime: Numerical solution. In Physical Review B, 2007, vol. 76, no. 15, 155320. (3.107 - IF2006). (2007 - Current Contents, WOS, SCOPUS). ISSN 1550-235X.

Citácie:

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

ADCA168 BROMMER, P. - GAEHLER, F. - MIHALKOVIČ, Marek. Ordering and correlation of cluster orientations in CaCd6. In Philosophical Magazine, 2007, vol. 87, no. 18-21, p. 2671-2677. ISSN 1478-6435.

Citácie:

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

ADCA169 BUTLER-MOORE, K. - ARYAEINEJAD, R. - ZHANG, X.Q. - BABU, B.R.S. - HAMILTON, J.H. - RAMAYYA, A.V. - HWANG, J.K. - OBERACKER, V.E. - ZHU, S.J. - KORMICKI, J. - PEKER, L.K. - COLE, J.D. - DARDENNE, Y.X. - MA, W.C. - ASZTALOC, S.J. - CHU, S.Y. - GREGORICH, K.E. - LEE, I.Y. - MOHAR, M.F. - RASMUSSEN, J.Q. - LOUGHEED, R.W. - MOODY, K.J. - STOYER, M.A. - WILD, J.F. - PRUSSIN, S.G. - TER-AKOPIAN, G.M. - OGANESSIAN, Y.T. - DANIEL, A.V. - KLIMAN, Ján - MORHÁČ, Miroslav. High-spin states in neutron-rich even-even Pd isotopes. In Journal of Physics G: Nuclear and particle physics, 1999, vol. 25, no. 11, p. 2253-2269. ISSN 0954-3899.

Citácie:

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

ADCA170 BUTVINOVÁ, Beata - BUTVIN, Pavol - ŠVEC, Peter - VLASÁK, Gabriel - JANIČKOVIČ, Dušan. Influence of V and Cr substitutions on magnetic properties of FeCoNbB hitperms. In Acta Physica Polonica A, 2008, vol. 113, no. 1, p. 111-114.

Citácie:

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

ADCA171 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. (3.898 - IF2011). (2012 - Current Contents). ISSN 0925-4005.

Citácie:

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

ADCA172 BUŽEK, Vladimír - HILLERY, M. Quantum disentanglement and phase measurements. In Czechoslovak Journal of Physics, 1995, vol. 45, no. 9, p. 711-725. (0.330 - IF1994). (1995 - Current Contents, WOS, SCOPUS). ISSN 0011-4626.

Citácie:

1. [1.1] BIRRITTELLA, Richard - GURA, Anna - GERRY, Christopher C. Coherently stimulated parametric down-conversion, phase effects, and quantum-optical interferometry. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 91, no. 5, 053801., WOS

ADCA173 BUŽEK, Vladimír - HILLERY, M. - WERNER, R. Universal-NOT gate. In Journal of Modern Optics, 2000, vol. 47, p. 211-232. (1.475 - IF1999). ISSN 0950-0340.

Citácie:

1. [1.1] SCHWEMMER, Christian - KNIPS, Lukas - MINH CONG TRAN - DE ROSIER, Anna - LASKOWSKI, Wieslaw - PATEREK, Tomasz - WEINFURTER, Harald. Genuine Multipartite Entanglement without Multipartite Correlations. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 114, no. 18, 180501., WOS

ADCA174 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.

Citácie:

1. [1.1] SIVAKUMAR, S. Superposed coherent states improve fidelity of NOON states generated in post-selection. In CANADIAN JOURNAL OF PHYSICS. ISSN 0008-4204, 2015, vol. 93, no. 4, pp. 373., WOS

ADCA175 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.

Citácie:

1. [1.1] GLASER, Steffen J. - BOSCAIN, Ugo - CALARCO, Tommaso - KOCH, Christiane P. - KOECKENBERGER, Walter - KOSLOFF, Ronnie - KUPROV, Ilya - LUY, Burkhard - SCHIRMER, Sophie - SCHULTE-HERBRUEGGEN, Thomas - SUGNY, Dominique - WILHELM, Frank K. Training Schrodinger's cat: quantum optimal control Strategic report on current status, visions and goals for research in Europe. In EUROPEAN PHYSICAL JOURNAL D. ISSN 1434-6060, 2015, vol. 69, no. 12, 279., WOS

ADCA176 BUŽEK, Vladimír - DERKA, R. - MASSAR, S. Optimal quantum clocks. In Physical Review Letters, 1999, vol. 82, no. 10, p. 2207-2210. (6.017 - IF1998). (1999 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Citácie:

1. [1.1] BRASK, J. B. - CHAVES, R. - KOLODYNSKI, J. Improved Quantum Magnetometry beyond the Standard Quantum Limit. In PHYSICAL REVIEW X. ISSN 2160-3308, 2015, vol. 5, no. 3, 031010., WOS

2. [1.1] CZEKAJ, L. - PRZYSIEZNA, A. - HORODECKI, M. - HORODECKI, P. Quantum metrology: Heisenberg limit with bound entanglement. In PHYSICAL REVIEW A. ISSN 2469-9926, 2015, vol. 92, no. 6, 062303., WOS

3. [1.1] DEMKOWICZ-DOBRZANSKI, Rafal - JARZYNA, Marcin - KOLODYNSKI, Jan. Quantum Limits in Optical Interferometry. In PROGRESS IN OPTICS, VOL 60. ISSN 0079-6638, 2015, vol. 60, pp. 345., WOS

4. [1.1] JARZYNA, Marcin - DEMKOWICZ-DOBRZANSKI, Rafal. True precision limits in quantum metrology. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2015, vol. 17, 013010., WOS

5. [1.1] JIN, Yao - YU, Hongwei. Electromagnetic shielding in quantum metrology. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 91, no. 2, 022120., WOS

6. [1.1] LIU, Yang - ZHANG, Shengyu. Fast Quantum Algorithms for Least Squares Regression and Statistic Leverage Scores. In FRONTIERS IN ALGORITHMICS (FAW 2015). ISSN 0302-9743, 2015, vol. 9130, pp. 204., WOS

7. [1.1] LUDLOW, Andrew D. - BOYD, Martin M. - YE, Jun - PEIK, E. - SCHMIDT, P. O. Optical atomic clocks. In REVIEWS OF MODERN PHYSICS. ISSN 0034-6861, 2015, vol. 87, no. 2, pp. 637., WOS

8. [1.1] SEKATSKI, P. - SKOTINIOTIS, M. - DUER, W. No-signaling bounds for quantum cloning and metrology. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 92, no. 2, 022355., WOS

9. [1.1] STENBERG, Markku P. V. - PACK, Kevin - WILHELM, Frank K. Adaptive identification of coherent states. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 92, no. 6, 063852., WOS

10. [1.1] YUE, Jie-Dong - ZHANG, Yu-Ran - FAN, Heng. Operation-triggered quantum clock synchronization. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 92, no. 3, 032321., WOS

11. [1.1] ZIMBORAS, Zoltan - ZEIER, Robert - SCHULTE-HERBRUEGGEN, Thomas - BURGARTH, Daniel. Symmetry criteria for quantum simulability of effective interactions. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 92, no. 4, 042309., WOS

ADCA177 BUŽEK, Vladimír - HILLERY, M. Universal optimal cloning of arbitrary quantum states: From qubits to quantum registers. In Physical Review Letters, 1998, vol. 81, no. 22, p. 5003-5006. (6.140 - IF1997). (1998 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Citácie:

1. [1.1] LORENZO, S. - APOLLARO, T. J. G. - PAGANELLI, S. - PALMA, G. M. - PLASTINA, F. Transfer of arbitrary two-qubit states via a spin chain. In PHYSICAL REVIEW A. ISSN 2469-9926, 2015, vol. 91, no. 4, 042321., WOS

2. [1.1] ROA, Luis - GROISEAU, Caspar. Probabilistic teleportation without loss of information. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 91, no. 1, 012344., WOS

ADCA178 BUŽEK, Vladimír - ORSZAG, M. - ROŠKO, M. Instability and entanglement of the ground state of the Dicke model. In Physical Review Letters, 2005, vol. 94, no. 16, 163601. (7.218 - IF2004). (2005 - Current Contents, WOS, SCOPUS). ISSN

0031-9007.

Citácie:

1. [1.1] BAO, Lina - PAN, Feng - LI, Xiaotong - LIANG, Xiao - DRAAYER, J. P. The progressive solutions for the Dicke Hamiltonian. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2015, vol. 130, no. 7, 126., WOS

2. [1.1] FENG, M. - ZHONG, Y. P. - LIU, T. - YAN, L. L. - YANG, W. L. - TWAMLEY, J. - WANG, H. Exploring the quantum critical behaviour in a driven Tavis-Cummings circuit. In NATURE COMMUNICATIONS. ISSN 2041-1723, 2015, vol. 6, 7111., WOS

3. [1.1] HE, Shu - DUAN, Liwei - CHEN, Qing-Hu. Exact solvability, non-integrability, and genuine multipartite entanglement dynamics of the Dicke model. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2015, vol. 17, 043033., WOS

4. [1.1] ROBLES, R. A. Robles - CHILINGARYAN, S. A. - RODRIGUEZ-LARA, B. M. - LEE, Ray-Kuang. Ground state in the finite Dicke model for interacting qubits. In PHYSICAL REVIEW A. ISSN 2469-9926, 2015, vol. 91, no. 3, 033819., WOS

ADCA179 BUŽEK, Vladimír - KRAHMER, D.S. - FONTENELLE, M.T. - SCHLEICH, W.P. Quantum statistics of grey-body radiation. In Physics Letters A, 1998, vol. 239, no. 1-2, p. 1-5. (1.267 - IF1997). (1998 - Current Contents). ISSN 0375-9601.

Citácie:

1. [1.1] ADAMI, Christoph - STEEG, Greg Ver. Black holes are almost optimal quantum cloners. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2015, vol. 48, no. 23, 23FT01., WOS

ADCA180 BUŽEK, Vladimír - KIM, M.G. Numerical simulation of fundamental processes in 1-D cavity QED: Position-dependence of spontaneous decay of two-level atoms. In Journal of the Korean Physical Society, 1997, vol. 30, no. 2, p. 413-422. ISSN 0374-4884.

Citácie:

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

ADCA181 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.

Citácie:

1. [1.1] SHEN, Y. - ASSAD, S. M. - GROSSE, N. B. - LI, X. Y. - REID, M. D. - LAM, P. K. Nonlinear Entanglement and its Application to Generating Cat States. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 114, no. 10, 100403., WOS

ADCA182 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.

Citácie:

1. [1.1] BASHKIROV E.K. et al. Squeezed states in the two-atom model. In PROCEEDINGS OF SPIE, 2015, vol. 9448, 944825., WOS

2. [1.1] SHUKLA, Pramila - PRAKASH, Ranjana. Radiation Squeezing for M Two-Level Atoms Interacting with a Single Mode Coherent Radiation. In CHINESE JOURNAL OF PHYSICS. ISSN 0577-9073, 2015, vol. 53, no. 5, 100901., WOS

ADCA183 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.

Citácie:

1. [1.1] DEHGHANI, A. - MOJAVERI, B. - SHIRIN, S. - SAEDI, M. Cat-states in the framework of Wigner-Heisenberg algebra. In ANNALS OF PHYSICS. ISSN 0003-4916, 2015, vol. 362, no., pp. 659., WOS

2. [1.1] MOJAVERI, B. - DEHGHANI, A. Even and odd Wigner negative binomial states: Nonclassical properties. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2015, vol. 30, no. 37, 1550198., WOS

3. [1.1] POPOV, Dusan - POPOV, Miodrag. Some operatorial properties of the generalized hypergeometric coherent states. In PHYSICA SCRIPTA. ISSN 0031-8949, 2015, vol. 90, no. 3, 035101., WOS

4. [1.1] TAVASSOLY, M.K.- HEKMATARA, H. Entanglement and other nonclassical properties. In COMMUNICATIONS IN THEORETICAL PHYSICS, 2015, vol. 64, p. 439-446., WOS

5. [1.1] VOLKOFF, T. J. Nonclassical properties and quantum resources of hierarchical photonic superposition states. In JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS. ISSN 1063-7761, 2015, vol. 121, no. 5, pp. 770., WOS

6. [1.1] WUENSCHE, A. Quantum-mechanical cumulant expansions and their application to phase-space and to phase distributions. In PHYSICA SCRIPTA. ISSN 0031-8949, 2015, vol. 90, no. 7, 074063., WOS

ADCA184 BUŽEK, Vladimír - JEX, I. Emission-spectra of a 2-level atom in a kerr-like medium. In Journal of Modern Optics, 1991, vol. 38, no. 5, p. 987-996. ISSN 0950-0340.

Citácie:

1. [1.1] EIED, A. A. Emission spectrum for a multi-photon Xi-type three-level atom driven by a binomial field with nonlinearities. In CANADIAN JOURNAL OF PHYSICS. ISSN 0008-4204, 2015, vol. 93, no. 11, pp. 1375., WOS

ADCA185 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.

Citácie:

1. [1.1] BATOULI, J. - EL BAZ, M. - MAAOUNI, A. RLC circuit realization of a q-deformed harmonic oscillator with time dependent mass. In PHYSICS LETTERS A. ISSN 0375-9601, 2015, vol. 379, no. 28-29, pp. 1619., WOS

ADCA186 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.

Citácie:

1. [1.1] SUFIANI, R.- DARKHOSH, A. Atomic and photonic entanglement generation. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2015, vol. 54, p. 2299-2311., WOS

ADCA187 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. [1.1] RASTEGARZADEH, M. - TAVASSOLY, M. K. Interaction of a Lambda-type three-level atom with a single-mode field without rotating wave approximation: perturbation theory approach. In PHYSICA SCRIPTA. ISSN 0031-8949, 2015, vol. 90, no. 2, 025103., WOS

2. [1.1] ZHANG, Xin - XU, Chang - REN, Zhongzhou. A transparent mechanism of Q function splitting in a Jaynes-Cummings model with intensity-dependent level shift. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2015, vol. 48, no. 40, 405302., WOS

ADCA188 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.

Citácie:

1. [1.1] ADAM, P. - MOLNAR, E. - MOGYOROSI, G. - VARGA, A. - MECHLER, M. - JANSZKY, J. Construction of quantum states by special superpositions of coherent states. In PHYSICA SCRIPTA. ISSN 0031-8949, 2015, vol. 90, no. 7, 074021., WOS

ADCA189 BUŽEK, Vladimír. Jaynes-cummings model with intensity-dependent couopling with holstein-primakoff su (1,1) coherent state. In Physical Review A, 1989, vol. 39, no. 6, p. 3196-3199. ISSN 1050-2947.

Citácie:

1. [1.1] BAGHSHAHI, H. R. - TAVASSOLY, M. K. Dynamics of different entanglement measures of two three-level atoms interacting nonlinearly with a single-mode field. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2015, vol. 130, no. 3, 37., WOS

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

3. [1.1] DANESHMAND, R. N. - TAVASSOLY, M. K. Generation of SU(1,1) and SU(2) entangled states in a quantized cavity field by strong-driving-assisted classical field approach. In LASER PHYSICS. ISSN 1054-660X, 2015, vol. 25, no. 5, 055203., WOS

4. [1.1] ENAKI, N. A. - KOROLI, V. I. - BAZGAN, S. - NISTREANU, A. - OOI, C. H. R. Higher-order squeezing oscillations in Jaynes-Cummings model of a pair of cold atoms. In INDIAN JOURNAL OF PHYSICS. ISSN 0973-1458, 2015, vol. 89, no. 9, pp. 883., WOS

5. [1.1] FARAJI, E. - TAVASSOLY, M. K. Dynamics of physical properties of a single-mode quantized field nonlinearly and non-resonantly interacting with two V-type three-level atoms passing consecutively through a cavity. In OPTICS COMMUNICATIONS. ISSN 0030-4018, 2015, vol. 354, pp. 333., WOS

6. [1.1] RASTEGARZADEH, M. - TAVASSOLY, M. K. Interaction of a Lambda-type three-level atom with a single-mode field without rotating wave approximation: perturbation theory approach. In PHYSICA SCRIPTA. ISSN 0031-8949, 2015, vol. 90, no. 2, 025103., WOS

7. [1.1] WANG JU-XIA. Swapping Transmit of Quantum Entanglement Information in the Process of Unresonant Interaction by Intensity-dependent Coupling. In INTERNATIONAL CONFERENCE ON PHOTONICS AND OPTICAL ENGINEERING (ICPOE 2014). ISSN 0277-786X, 2015, vol. 9449, 94490D., WOS

8. [1.1] YAZDANPANAH, N. - TAVASSOLY, M. K. Dynamical properties of a trapped two-level ion interacting with a single-mode quantized field in the nonlinear regime. In JOURNAL OF MODERN OPTICS. ISSN 0950-0340, 2015, vol. 62, no. 6, pp. 470., WOS

ADCA190 BUŽEK, Vladimír - VIDIELLABARRANCO, A. - KNIGHT, P.L. Superpositions of coherent states- squeezing and dissipation. In Physical Review A, 1992, vol. 45, no. 9, p. 6570-6585. ISSN 1050-2947.

Citácie:

1. [1.1] ADAM, P. - MOLNAR, E. - MOGYOROSI, G. - VARGA, A. - MECHLER, M. - JANSZKY, J. Construction of quantum states by special superpositions of coherent states. In PHYSICA SCRIPTA. ISSN 0031-8949, 2015, vol. 90, no. 7, 074021., WOS

2. [1.1] CHUNG, Won Sang. The generalized pair coherent states and the corresponding entangled coherent states. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION. ISSN 0219-7499, 2015, vol. 13, no. 8, 1550065., WOS

3. [1.1] DIBAKAR, E. - KARIMI, A. - TAVASSOLY, M. K. Excitation and depletion of entangled squeezed states: their properties and generation. In PHYSICA SCRIPTA. ISSN 0031-8949, 2015, vol. 90, no. 8, 085102., WOS

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

5. [1.1] WU, Pan-Pan - SHAN, Chuan-Jia - LIU, Tang-Kun. Entanglement Properties of Entangled Coherent State in Symmetrical Phase Space Interacting with Entangled Atoms. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2015, vol. 54, no. 4, pp. 1352., WOS

ADCA191 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.

Citácie:

1. [1.1] BAGHSHAHI, H. R. - TAVASSOLY, M. K. Dynamics of different entanglement measures of two three-level atoms interacting nonlinearly with a single-mode field. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2015, vol. 130, no. 3, 37., WOS

2. [1.1] BIRRITTELLA, Richard - CHENG, Kezi - GERRY, Christopher C. Photon-number parity oscillations in the resonant Jaynes-Cummings model. In OPTICS COMMUNICATIONS. ISSN 0030-4018, 2015, vol. 354, pp. 286., WOS

3. [1.1] HERMANN-AVIGLIANO, C. - CISTERNAS, N. - BRUNE, M. - RAIMOND, J.M. - SAAVEDRA, C. Scheme for efficient generation of mesoscopic field-state superposition in cavity QED. In PHYSICAL REVIEW A. ISSN 2469-9926, 2015, vol. 91, no. 1, 013815., WOS

4. [1.1] OPATRNY, Tomas. Squeezing with classical Hamiltonians. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 92, no. 3, 033801., WOS

ADCA192 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.

Citácie:

1. [1.1] HEESE, Raoul - FREYBERGER, Matthias. Entropic uncertainty bound for open pointer-based simultaneous measurements of conjugate observables. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2015, vol. 48, no. 13, 135304., WOS

2. [1.1] RAHIMI-KESHARI, Saleh - RALPH, Timothy C. - CAVES, Carlton M. Operational discord measure for Gaussian states with Gaussian measurements. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2015, vol. 17, 063037., WOS

ADCA193 BUŽEK, Vladimír - KEITEL, C.H. - KNIGHT, P.L. Sampling entropies and operational phase-space measurement. 2. Detection of quantum coherences. In Physical Review A, 1995, vol. 51, no. 3, p. 2594-2601. ISSN 1050-2947.

Citácie:

1. [1.1] CHAKRABARTI, R. - JENISHA, B. Virgin. Quasi-Bell states in a strongly coupled qubit-oscillator system and their delocalization in the phase space. In PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS. ISSN 0378-4371, 2015, vol. 435, pp. 95., WOS

ADCA194 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] YAZDANPANAH, N. - TAVASSOLY, M. K. Dynamical properties of a trapped two-level ion interacting with a single-mode quantized field in the nonlinear regime. In JOURNAL OF MODERN OPTICS. ISSN 0950-0340, 2015, vol. 62, no. 6, pp. 470., WOS

ADCA195 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] DEHMANI, Mustapha - EZ-ZAHRAOUY, Hamid - BENYOUSSEF, Abdelilah. QUANTUM KEY DISTRIBUTION WITH SEVERAL CLONING ATTACKS VIA A DEPOLARIZING CHANNEL. In JOURNAL OF RUSSIAN LASER RESEARCH. ISSN 1071-2836, 2015, vol. 36, no. 3, pp. 228., WOS

2. [1.1] REN, Xi-Jun - FAN, Heng. QUANTUM CIRCUITS FOR ASYMMETRIC 1> n QUANTUM CLONING. In QUANTUM INFORMATION & COMPUTATION. ISSN 1533-7146, 2015, vol. 15, no. 11-12, pp. 914., WOS

3. [1.1] SAZIM, Sk - CHAKRABARTY, Indranil - DATTA, Annwesha - PATI, Arun K. Complementarity of quantum correlations in cloning and deleting of quantum states. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 91, no. 6, 062311., WOS

4. [1.1] YANG, Chui-Ping - SU, Qi-Ping - ZHENG, Shi-Biao - HAN, Siyuan. One-step transfer or exchange of arbitrary multipartite quantum states with a single-qubit coupler. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 92, no. 5, 054509., WOS

5. [1.1] ZHU, Meng-Zheng - YE, Liu. Implementing a quantum cloning machine in separate cavities via the optical coherent pulse as a quantum communication bus. In PHYSICAL REVIEW A. ISSN 2469-9926, 2015, vol. 91, no. 4, 042319., WOS

ADCA196 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] HONG, Suc-Kyoung - NAM, Seog Woo - YANG, Hyung Jin. Cooperative spontaneous emission of nano-emitters with inter-emitter coupling in a leaky microcavity. In JOURNAL OF OPTICS. ISSN 2040-8978, 2015, vol. 17, no. 10, 105401., WOS

2. [1.1] REICHEGGER, Andreas - EVERS, Joerg. Temporal dynamics of stimulated emission with applications in nuclear quantum optics. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 91, no. 5, 053810., WOS

ADCA197 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] ADAMI, Christoph - STEEG, Greg Ver. Black holes are almost optimal quantum cloners. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2015, vol. 48, no. 23, 23FT01., WOS

2. [1.1] GRAHAM, Trent M. - BERNSTEIN, Herbert J. - WEI, Tzu-Chieh - JUNGE, Marius - KWIAT, Paul G. Superdense teleportation using hyperentangled photons. In NATURE COMMUNICATIONS. ISSN 2041-1723, 2015, vol. 6, 7185., WOS

3. [1.1] MANI, Azam - KARIMIPOUR, Vahid - MEMARZADEH, Laleh. Comparison of parallel and antiparallel two-qubit mixed states. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 91, no. 1, UNSP 012304., WOS

ADCA198 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] BAE, Joonwoo - KWEK, Leong-Chuan. Quantum state discrimination and its applications. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2015, vol. 48, no. 8, 083001., WOS

2. [1.1] BANCHI, Leonardo - BRAUNSTEIN, Samuel L. - PIRANDOLA, Stefano. Quantum Fidelity for Arbitrary Gaussian States. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 115, no. 26, 260501., WOS

3. [1.1] BRADLER, Kamil. The Pitfalls of Deciding Whether a Quantum Channel is (Conjugate) Degradable and How to Avoid Them. In OPEN SYSTEMS & INFORMATION DYNAMICS. ISSN 1230-1612, 2015, vol. 22, no. 4, 1550026., WOS

4. [1.1] CHIRIBELLA, G. - YANG, Y. - HUANG, C. Universal Superreplication of Unitary Gates. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 114, no. 12, 120504., WOS

5. [1.1] DEHMANI, Mustapha - EZ-ZAHRAOUY, Hamid - BENYOUSSEF, Abdelilah. QUANTUM KEY DISTRIBUTION WITH SEVERAL CLONING ATTACKS VIA A DEPOLARIZING CHANNEL. In JOURNAL OF RUSSIAN LASER RESEARCH. ISSN 1071-2836, 2015, vol. 36, no. 3, pp. 228., WOS

6. [1.1] DUER, W. - SEKATSKI, P. - SKOTINIOTIS, M. Deterministic Superreplication of One-Parameter Unitary Transformations. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 114, no. 12, 120503., WOS

7. [1.1] ELSTER, Fabian - BARKHOFEN, Sonja - NITSCHE, Thomas - NOVOTNY, Jaroslav - GABRIS, Aurel - JEX, Igor - SILBERHORN, Christine. Quantum walk coherences on a dynamical percolation graph. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2015, vol. 5, 13495., WOS

8. [1.1] KITAJIMA, Yuichiro. Imperfect Cloning Operations in Algebraic Quantum Theory. In FOUNDATIONS OF PHYSICS. ISSN 0015-9018, 2015, vol. 45, no. 1, pp. 62., WOS

9. [1.1] NIESTEGGE, G. Non-classical conditional probability and the quantum no-cloning theorem. In PHYSICA SCRIPTA, 2015, vol. 90, 095101., WOS

10. [1.1] PIRANDOLA, S. - EISERT, J. - WEEDBROOK, C. - FURUSAWA, A. - BRAUNSTEIN, S. L. Advances in quantum teleportation. In NATURE PHOTONICS. ISSN 1749-4885, 2015, vol. 9, no. 10, pp. 641., WOS

11. [1.1] REN, Xi-Jun - FAN, Heng. QUANTUM CIRCUITS FOR ASYMMETRIC 1> n QUANTUM CLONING. In QUANTUM INFORMATION & COMPUTATION. ISSN 1533-7146, 2015, vol. 15, no. 11-12, pp. 914., WOS

12. [1.1] SAZIM, Sk - CHAKRABARTY, Indranil - DATTA, Annwesha - PATI, Arun K. Complementarity of quantum correlations in cloning and deleting of quantum states. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 91, no. 6, 062311., WOS

13. [1.1] SEKATSKI, P. - SKOTINIOTIS, M. - DUER, W. No-signaling bounds for quantum cloning and metrology. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 92, no. 2, 022355., WOS

14. [1.1] SHANG, Tao - ZHANG, Chunlei - LI, Ke - LIU, Jianwei. Nonlinear Quantum Network Coding with Classical Communication Resource. In 2015 IEEE GLOBECOM WORKSHOPS (GC WKSHPS), 2015., WOS

15. [1.1] WANG, W.B. - ZU, C. - HE, L. - ZHANG, W.G. - DUAN, L.M.

Memory-built-in quantum cloning in a hybrid solid-state spin register. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2015, vol. 5, 12203., WOS
16. [1.1] XI, Yu-Xing - CHENG, Wei-Wen - HUANG, Yan-Xia. Entanglement and quantum teleportation in a three-qubit Heisenberg chain with three-site interactions. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2015, vol. 14, no. 7, pp. 2551., WOS
17. [1.1] YANG, Chui-Ping - SU, Qi-Ping - ZHENG, Shi-Biao - HAN, Siyuan. One-step transfer or exchange of arbitrary multipartite quantum states with a single-qubit coupler. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 92, no. 5, 054509., WOS
18. [1.1] YU, LiZhi. Information and Data Processing in Perfect Scheme for Implementing the Cloning. In 2015 4TH INTERNATIONAL CONFERENCE ON ENERGY AND ENVIRONMENTAL PROTECTION (ICEEP 2015), 2015, pp. 421., WOS
19. [1.1] YU, LiZhi. Information and Data Processing in the Scheme of 1> 3 Optimal Phase-covariant Quantum Cloning Machine. In PROCEEDINGS OF THE 3RD INTERNATIONAL CONFERENCE ON MATERIAL, MECHANICAL AND MANUFACTURING ENGINEERING. ISSN 2352-5401, 2015, vol. 27, pp. 1668., WOS
20. [1.1] ZHANG, Wen - RUI, Pinshu - LU, Yan - YANG, Qun - ZHAO, Yan. Probabilistic cloning of a single-atom state via cavity QED. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2015, vol. 14, no. 6, pp. 2271., WOS
21. [1.1] ZHANG, Wen - RUI, Pinshu - YANG, Qun - ZHAO, Yan - ZHANG, Ziyun. Probabilistic cloning of three nonorthogonal states. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2015, vol. 14, no. 4, pp. 1523., WOS
22. [1.1] ZHU, Meng-Zheng - YE, Liu. Implementing a quantum cloning machine in separate cavities via the optical coherent pulse as a quantum communication bus. In PHYSICAL REVIEW A. ISSN 2469-9926, 2015, vol. 91, no. 4, 042319., WOS

ADCA199 BUŽEK, Vladimír - KNIGHT, P.L. - KUDRYAVTSEV, I.K. 3-level atoms in phase-sensitive broad-band correlated reservoirs. In Physical Review A, 1991, vol. 44, no. 3, p. 1931-1947. ISSN 1050-2947.

Citácie:

1. [1.1] JUN, Jin Woo. Single-Photon Entanglement Purification Procedure in a Squeezed Generalized Amplitude Damping Channel. In JOURNAL OF THE KOREAN PHYSICAL SOCIETY. ISSN 0374-4884, 2015, vol. 67, no. 5, pp. L771., WOS

ADCA200 CAPONE, S. - MANERA, M.G. - TAURINO, A. - SICILIANO, P. - RELLA, R. - LUBY, Štefan - BENKOVIČOVÁ, Monika - ŠIFFALOVIČ, Peter - MAJKOVÁ, Eva. Fe3O4/gama-Fe2O3 nanoparticle multilayers deposited by the Langmuir-Blodgett technique for gas sensors application. In Langmuir, 2014, vol. 30, no. 4, p. 1190-1197. (4.384 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 0743-7463.

Citácie:

1. [1.1] ERDEMI, H. - BAYKAL, A. Dielectric properties of triethylene glycol-stabilized Mn1-XZnXFe2O4 nanoparticles. In MATERIALS CHEMISTRY AND PHYSICS. ISSN 0254-0584, 2015, vol. 165, pp. 156-167., WOS
2. [1.1] HONG, Lin-Ru - CHAI, Ya-Qin - ZHAO, Min - LIAO, Ni - YUAN, Ruo - ZHUO, Ying. Highly efficient electrogenerated chemiluminescence quenching of PEI enhanced Ru(bpy)(3)(2+) nanocomposite by hemin and Au@CeO2

nanoparticles. In BIOSENSORS & BIOELECTRONICS. ISSN 0956-5663, 2015, vol. 63, pp. 392-398., WOS

3. [1.1] JAZIREHPOUR, M. - EBRAHIMI, S. A. Seyyed. Carbothermally synthesized core-shell carbon-magnetite porous nanorods for high-performance electromagnetic wave absorption and the effect of the heterointerface. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2015, vol. 639, pp. 280-288., WOS

4. [1.1] JAZIREHPOUR, M. - EBRAHIMI, S. A. Seyyed. Effect of aspect ratio on dielectric, magnetic, percolative and microwave absorption properties of magnetite nanoparticles. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2015, vol. 638, pp. 188-196., WOS

5. [1.1] LI, Na-Mei - LI, Kai-Min - WANG, Shun - YANG, Ke-Qin - ZHANG, Li-Jie - CHEN, Qing - ZHANG, Wei-Ming. Gold Embedded Maghemite Hybrid Nanowires and Their Gas Sensing Properties. In ACS APPLIED MATERIALS & INTERFACES. ISSN 1944-8244, 2015, vol. 7, no. 19, pp. 10534., WOS

6. [1.1] MEDINA-PLAZA, C. - GARCIA-CABEZON, C. - GARCIA-HERNANDEZ, C. - BRAMORSKI, C. - BLANCO-VAL, Y. - MARTIN-PEDROSA, F. - KAWAI, T. - DE SAJA, J. A. - RODRIGUEZ-MENDEZ, M. L. Analysis of organic acids and phenols of interest in the wine industry using Langmuir-Blodgett films based on functionalized nanoparticles. In ANALYTICA CHIMICA ACTA. ISSN 0003-2670, 2015, vol. 853, pp. 572., WOS

7. [1.1] MISRA, S. - KARAN, T. - RAM, S. Dynamics of Surface Spins in Small Core-Shell Magnets of Li0.35Zn0.30Fe2.35O4 Bonds over a Carbon Surface and Tailored Magnetic Properties. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2015, vol. 119, no. 40, pp. 23184-23195., WOS

8. [1.1] TANSKANEN, A. - KARPPINEN, M. Iron-based inorganic-organic hybrid and superlattice thin films by ALD/MLD. In DALTON TRANSACTIONS. ISSN 1477-9226, 2015, vol. 44, no. 44, pp. 19194., WOS

ADCA201 CARICATO, A.P. - FERNANDEZ, M. - FRAIT, Z. - FRAITOVA, D. - LUBY, Štefan - LUCHES, A. - MAJKOVÁ, Eva - MAJNI, G. - MALYCH, R. - MENGUCCI, P. Pulsed laser deposition of magnetic films by ablation of Co- and Fe- based amorphous alloys. In Applied Physics A, 2004, vol. 79, no. 4-6, p. 1251-1254. ISSN 0947-8396.

Citácie:

1. [1.1] YALCIN, O. - UNLUER, S. - KAZAN, S. - OZDEMIR, M. - ONER, Y. Temperature evolution of magnetic properties for (Cu/Co)(60)/Fe multilayer. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2015, vol. 373, pp. 144-150., WOS

ADCA202 CINDRO, N. - KOROLIJA, M. - BĚTÁK, Emil - GRIFFIN, J.J. Early stages of nucleus-nucleus collisions: a microscopic calculation of the initial number of degrees of freedom. In Physical Review Letters, 1991, vol. 66, p. 868-871. ISSN 0031-9007.

Citácie:

1. [1.1] FABRIS, D. - GRAMEGNA, F. - MARCHI, T. - DEGERLIER, M. - FOTINA, O. V. - KRAVCHUK, V. L. - D&APOS;AGOSTINO, M. - MORELLI, L. - APPANNABABU, S. - BAIOCCO, G. - BARLINI, S. - BINI, M. - BRONDI, A. - BRUNO, M. - CASINI, G. - CINAUSERO, M. - GELLI, N. - MORO, R. - OLMI, A. - PASQUALI, G. - PIANTELLI, S. - POGGI, G. - VALDRE, S. - VARDACI, E. PRE-EQUILIBRIUM PARTICLES EMISSION AND ITS POSSIBLE RELATION TO alpha-CLUSTERING IN NUCLEI. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2015, vol. 46, no. 3, pp. 447-451., WOS

2. [1.1] GRAMEGNA, F. - FABRIS, D. - MARCHI, T. - DEGERLIER, M. - FOTINA, V. - KRAVCHUK, V. L. - D&APOS;AGOSTINO, M. - MORELLI, L. -

APPANNABABU, S. - BAIOCCO, G. - BARLINI, S. - BINI, M. - BRONDI, A. - BRUNO, M. - CASINI, G. - CINAUSERO, M. - GELLI, N. - MORO, R. - OLMI, A. - PASQUALI, G. - PIANTELLI, S. - POGGI, G. - VALDRE, S. - VARDACI, E. Pre-equilibrium Emission and alpha-clustering in Nuclei. In JOURNAL OF PHYSICS CONFERENCE SERIES, 2015, vol. 580, 012011., WOS

3. [1.1] MARCHI, T. - GRAMEGNA, F. - FABRIS, D. - DEGERLIER, M. - FOTINA, O. V. - KRAVCHUK, V. L. - D&APOS;AGOSTINO, M. - MORELLI, L. - APPANNABABU, S. - BAIOCCO, G. - BARLINI, S. - BINI, M. - BRONDI, A. - BRUNO, M. - CASINI, G. - CINAUSERO, M. - GELLI, N. - MORO, R. - OLMI, A. - PASQUALI, G. - PIANTELLI, S. - POGGI, G. - VALDRE, S. - VARDACI, E. Pre-equilibrium emission and its possible relation to alpha-clustering in nuclei. In EPJ WEB OF CONFERENCES, 2015, vol. 88, 00016., WOS

ADCA203 COCOLIOS, T.E. - ANDREYEV, A.N. - ANTALIC, S. - BARZAKH, A. - BASTIN, B. - BUESCHER, J. - DARBY, I.G. - DEXTERS, W. - FEDOROV, D.V. - FEDOSSEEV, V.N. - FLANAGAN, K.T. - FRANCHOO, S. - HUBER, G. - HUYSE, M. - KEUPERS, M. - KOESTER, U. - KUDRYAVTSEV, Yu. - MANÉ, E. - MARSH, B.A. - MOLKANOV, P. - PAGE, R.D. - SELIVERSTOV, M.D. - SJOEDIN, A.M. - STEFAN, I. - VAN DE WALLE, J. - VAN DUPPEN, P. - VENHART, Martin - ZEMLYANOY, S. Structure of Pb-191 from alpha- and beta-decay spectroscopy. In Journal of Physics G, 2010, vol. 37, no. 12, 125103. (2.124 - IF2009). (2010 - Current Contents, WOS, SCOPUS). ISSN 0954-3899.

Citácie:

1. [1.1] LYNCH, Kara Marie. Laser Assisted Nuclear Decay Spectroscopy. In LASER ASSISTED NUCLEAR DECAY SPECTROSCOPY: A NEW METHOD FOR STUDYING NEUTRON-DEFICIENT FRANCIUM ISOTOPES. ISSN 2190-5053, 2015, pp. 53-68., WOS

ADCA204 COCOLIOS, T.E. - DEXTERS, W. - SELIVERSTOV, M.D. - ANDREYEV, A.N. - ANTALIC, S. - BARZAKH, A.E. - BASTIN, B. - BUESCHER, J. - DARBY, I.G. - FEDOROV, D.V. - FEDOSSEYEV, V.N. - FLANAGAN, K.T. - FRANCHOO, S. - FRITZSCHE, S. - HUBER, G. - HUYSE, M. - KEUPERS, M. - KOESTER, U. - KUDRYAVTSEV, Yu. - MANE, E. - MARSH, B.A. - MOLKANOV, P.L. - PAGE, R.D. - SJOEDIN, A.M. - STEFAN, I. - VAN DE WALLE, J. - VAN DUPPEN, P. - VENHART, Martin - ZEMLYANOY, S.G. - BENDER, M. - HEENEN, P.-H. Early onset of ground state deformation in neutron deficient polonium isotopes. In Physical Review Letters, 2011, vol. 106, no. 5, 052503. (7.622 - IF2010). (2011 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Citácie:

1. [1.1] GARCIA-RAMOS, J. E. - HEYDE, K. Nuclear shape coexistence in Po isotopes: An interacting boson model study. In PHYSICAL REVIEW C. ISSN 2469-9985, 2015, vol. 92, no. 3, 034309., WOS

2. [1.1] LYNCH, Kara Marie. Interpretation of Results. In LASER ASSISTED NUCLEAR DECAY SPECTROSCOPY: A NEW METHOD FOR STUDYING NEUTRON-DEFICIENT FRANCIUM ISOTOPES. ISSN 2190-5053, 2015, pp. 103., WOS

3. [1.1] VOSS, A. - BUCHINGER, F. - CHEAL, B. - CRAWFORD, J. E. - DILLING, J. - KORTELAINEN, M. - KWIATKOWSKI, A. A. - LEARY, A. - LEVY, C. D. P. - MOOSHAMMER, F. - OJEDA, M. L. - PEARSON, M. R. - PROCTER, T. J. - AL TAMIMI, W. Nuclear moments and charge radii of neutron-deficient francium isotopes and isomers. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 91, no. 4, 044307., WOS

ADCA205 COLOMBI, P. - AGNIHOTRI, D.K. - ASADCHIKOV, V.E. - BONTEMPI, E. - BOWEN, D.K. - CHANG, C.H. - DEPERO, L.E. - FARNWORTH, M. -

FUJIMOTO, T. - GIBAUD, A. - JERGEL, Matej - KRUMREY, M. - LAFFORD, T.A. - LAMPERTI, A. - MATYI, R.J. - MEDUNA, M. - MILITA, S. - SAKURAI, K. - SHABELNIKOV, L. - ULYANENKOV, A. - LEE VAN DER, A. - WIENER, C. Reproducibility in x-ray reflectometry: results from the first world-wide Round Robin experiment. In Journal of Applied Crystallography, 2008, vol. 41, no. 1, p. 143-152. ISSN 0021-8898.

Citácie:

1. [1.1] ZHANG, Y. M. - YU, W. X. - CHEN, F. H. - LIU, M. - LI, H. B. Microstructure and Magnetic Properties of Magnetron-sputtered [Fe/Pt](n) Multilayer Films. In ACTA PHYSICA POLONICA A. ISSN 0587-4246, 2015, vol. 128, no. 3, pp. 326-330., WOS

ADCA206 CONDE, C.F. - BLÁZQUEZ, J.S. - FRANCO, V. - CONDE, A. - ŠVEC, Peter - JANIČKOVIČ, Dušan. Microstructure and magnetic properties of FeMoBCu alloys. In Acta Materialia, 2007, vol. 55, no. 17, p. 5675-5683. (2007 - Current Contents). ISSN 1359-6454.

Citácie:

1. [1.1] SWIERCZEK, Jan - KUPCZYK, Anna. Magnetic entropy change in amorphous and partially crystallized Fe-Mo-Cu-B alloy. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2015, vol. 386, pp. 74-80., WOS

ADCA207 CONDE, C.F. - CONDE, A. - JANIČKOVIČ, Dušan - ŠVEC, Peter. Composition dependence of Curie temperature and microstructure in amorphous Fe-Co-Mo-Cu-B metallic glasses. In Journal of Magnetism and Magnetic Materials, 2006, vol. 304, e739-E742. (0.985 - IF2005). (2006 - Current Contents, WOS, SCOPUS). ISSN 0304-8853.

Citácie:

1. [1.1] MIGLIERINI, Marcel - PAVLOVIC, Marius - PROCHAZKA, Vit - HATALA, Tomas - SCHUMACHER, Gerhard - RUEFFER, Rudolf. Evolution of structure and local magnetic fields during crystallization of HITPERM glassy alloys studied by in situ diffraction and nuclear forward scattering of synchrotron radiation. In PHYSICAL CHEMISTRY CHEMICAL PHYSICS. ISSN 1463-9076, 2015, vol. 17, no. 42, pp. 28239., WOS

2. [1.1] PROCHAZKA, V. - VRBA, V. - SMRCKA, D. - RUEFFER, R. - MATUS, P. - MASLAN, M. - MIGLIERINI, M. B. Structural transformation of NANOPERM-type metallic glasses followed in situ by synchrotron radiation during thermal annealing in external magnetic field. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2015, vol. 638, pp. 398., WOS

ADCA208 CONDE, C.F. - BORREGO, J.M. - BLAZQUEZ, J.S. - CONDE, A. - ŠVEC, Peter - JANIČKOVIČ, Dušan. Magnetic and structural characterization of Mo-Hitperm alloys with different Fe/Co ratio. In Journal of Alloys and Compounds, 2011, vol. 509, no. 5, p. 1994-2000. (2.138 - IF2010). (2011 - Current Contents). ISSN 0925-8388.

Citácie:

1. [1.1] MIGLIERINI, Marcel - PAVLOVIC, Marius - PROCHAZKA, Vit - HATALA, Tomas - SCHUMACHER, Gerhard - RUEFFER, Rudolf. Evolution of structure and local magnetic fields during crystallization of HITPERM glassy alloys studied by in situ diffraction and nuclear forward scattering of synchrotron radiation. In PHYSICAL CHEMISTRY CHEMICAL PHYSICS. ISSN 1463-9076, 2015, vol. 17, no. 42, pp. 28239., WOS

ADCA209 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. ISSN 1550-7998.

Citácie:
1. [1.1] BINOSI, Daniele. The two-, three- and four-gluon sector of QCD in the Landau gauge. In Journal Physics Conference Series, 2015, vol. 631, 012066., WOS
2. [1.1] CANFORA, F. E. - DUDAL, D. - JUSTO, I. F. - PAIS, P. - ROSA, L. - VERCAUTEREN, D. Effect of the Gribov horizon on the Polyakov loop and vice versa. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 7, 326., WOS
3. [1.1] CYROL, Anton K. - HUBER, Markus Q. - VON SMEKAL, Lorenz. A Dyson-Schwinger study of the four-gluon vertex. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 3., WOS
4. [1.1] DUDAL, D. - GUIMARAES, M. S. - JUSTO, I. F. - SORELLA, S. P. On bounds and boundary conditions in the continuum Landau gauge. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 2, 83., WOS
5. [1.1] FISCHER, Christian S. - KUBRAK, Stanislav - WILLIAMS, Richard. Spectra of heavy mesons in the Bethe-Salpeter approach. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2015, vol. 51, 10., WOS
6. [1.1] HUBER, Markus Q. - CAMPAGNARI, Davide R. - REINHARDT, Hugo. Vertex functions of Coulomb gauge Yang-Mills theory. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 2, 025014., WOS
7. [1.1] PAPAVASSILIOU, J. Unraveling the organization of the QCD tapestry. In Journal Physics Conference Series, 2015, vol. 631, 012006 ., WOS
8. [1.1] WILLIAMS, Richard. The quark-gluon vertex in Landau gauge bound-state studies. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2015, vol. 51., WOS
9. [3.1] KUBRAK, S. Static and dynamic properties of QCD bound states. In PhD Thesis, Giessen University, 2015, 11560.
10. [3.1] VUJINOVIC, M. Vertices and bound states in strongly interacting theories. In PhD Thesis, Graz University, 2015, 752822.

ADCA210 CUCCHIERI, Attilio - MAAS, Axel - MENDES, Tereza. Linear covariant gauges on the lattice. In Computer Physics Communications, 2009, vol. 180, no. 2, p. 215-225. (2.120 - IF2008). ISSN 0010-4655.

Citácie:
1. [1.1] CAPRI, M. A. L. - PEREIRA, A. D. - SOBREIRO, R. F. - SORELLA, S. P. Non-perturbative treatment of the linear covariant gauges by taking into account the Gribov copies. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 10, 479., WOS
2. [1.1] HUBER, Markus Q. Gluon and ghost propagators in linear covariant gauges. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 8, 085018., WOS
3. [1.1] SERREAU, J. - TISSIER, M. - TRESMONTANT, A. Influence of Gribov ambiguities in a class of nonlinear covariant gauges. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 10, 105003., WOS

ADCA211 ČERNIČKOVA, 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 Al73.8Pd11.9Co14.3 alloy. In Journal of Alloys and Compounds, 2014, vol. 609, p. 73-79. (2.726 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 0925-8388.

Citácie:
1. [1.1] HE, Zhanbing - WEI, Dongxia - SHEN, Xi - CHEN, Yuan - MA, Haikun - WANG, Leilei - DU, Kui - YAO, Yuan - YU, Richeng. Approximants of

Al-Cr-Fe-Si decagonal quasicrystals described by single structural block. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2015, vol. 647, pp. 797-801., WOS

ADCA212 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. (7.622 - IF2010). (2011 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Citácie:

1. [1.1] DELL ANGELA, M. - ANNIYEV, T. - BEYE, M. - COFFEE, R. - FOEHLISCH, A. - GLADH, J. - KAYA, S. - KATAYAMA, T. - KRUPIN, O. - NILSSON, A. - NORDLUND, D. - SCHLOTTER, W. F. - SELLBERG, J. A. - SORGENFREI, F. - TURNER, J. J. - OSTROM, H. - OGASAWARA, H. - WOLF, M. - WURTH, W. Vacuum space charge effects in sub-picosecond soft X-ray photoemission on a molecular adsorbate layer. In STRUCTURAL DYNAMICS. ISSN 2329-7778, 2015, vol. 2, no. 2, 025101., WOS

2. [1.1] NEPPL, Stefan - GESSNER, Oliver. Time-resolved X-ray photoelectron spectroscopy techniques for the study of interfacial charge dynamics. In JOURNAL OF ELECTRON SPECTROSCOPY AND RELATED PHENOMENA. ISSN 0368-2048, 2015, vol. 200, pp. 64., WOS

3. [1.1] YAMAMOTO, T. - ISHIDA, Y. - YOSHIDA, R. - OKAWA, M. - OKAZAKI, K. - KANAI, T. - KIKKAWA, A. - TAGUCHI, Y. - KISS, T. - ISHIZAKA, K. - ISHII, N. - ITATANI, J. - WATANABE, S. - TOKURA, Y. - SAITOH, T. - SHIN, S. Nonequilibrium electronic and phonon dynamics of Cu0.17Bi2Se3 investigated by core-level and valence-band time-resolved photoemission spectroscopy. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 92, no. 12, 121106., WOS

ADCA213 DANIEL, R. - KECKES, J. - MAŤKO, Igor - BURGHAMMER, M. - MITTERER, C. Origins of microstructure and stress gradients in nanocrystalline thin films: The role of growth parameters and self-organization. In Acta Materialia, 2013, vol. 61, p. 6255-6266. (3.941 - IF2012). (2013 - Current Contents, WOS, SCOPUS). ISSN 1359-6454.

Citácie:

1. [1.1] POHLER, Markus - FRANZ, Robert - RAMM, Juergen - POLCIK, Peter - MITTERER, Christian. Influence of pulsed bias duty cycle variations on structural and mechanical properties of arc evaporated (Al,Cr)(2)O-3 coatings. In SURFACE & COATINGS TECHNOLOGY. ISSN 0257-8972, 2015, vol. 282, pp. 43-51., WOS

2. [1.1] SEBASTIANI, M. - JOHANNS, K. E. - HERBERT, E. G. - CARASSITI, F. - PHARR, G. M. A novel pillar indentation splitting test for measuring fracture toughness of thin ceramic coatings. In PHILOSOPHICAL MAGAZINE. ISSN 1478-6435, 2015, vol. 95, no. 16-18, pp. 1928-1944., WOS

ADCA214 DANZER, J. - GATTRINGER, Ch. - LIPTÁK, Ľudovít - MARINKOVIC, M. A study of the sign problem for lattice QCD with chemical potential. In Physics Letters B, 2009, vol. 682, p. 240-245. (4.034 - IF2008). (2009 - Current Contents, WOS, SCOPUS). ISSN 0370-2693.

Citácie:

1. [1.1] XU, Shu-Sheng - CUI, Zhu-Fang - WANG, Bin - SHI, Yuan-Mei - YANG, You-Chang - ZONG, Hong-Shi. Chiral phase transition with a chiral chemical potential in the framework of Dyson-Schwinger equations. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 5, 056003., WOS

2. [3.1] SAHA, K.- UPADHAYA, S. Bulk viscosity: A study from

Polyakov-Nambu-Jona-Lasinio model. In PREPRINT HEP-PH/ 1505.00177, 2015 .

ADCA215 DBEYSSI, A. - TOMASI-GUSTAFSSON, E. - GAKH, G.I. - ADAMUŠČIN, Cyril. Experimental constraint on the rho-meson form factors in the time-like region. In Physical Review C. Nuclear physics, 2012, vol. 85, no. 4, 048201. (3.308 - IF2011). (2012 - Current Contents, WOS, SCOPUS). ISSN 2469-9985.

Citácie:

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

ADCA216 DE BOISSIEU, M. - FRANCOUAL, S. - MIHALKOVIČ, Marek - SHIBATA, K. - BARON, A.Q.R. - SIDIS, Y. - ISHIMASA, T. - WU, D. - LOGRASSO, T. - REGNAULT, L.-P. - GAHLER, F. - TSUTSUI, S. - HENNION, B. - BASTIE, P. - SATO, T.J. - TAKAKURA, H. - CURRAT, R. - TSAI, A.P. Lattice dynamics of the Zn-Mg-Sc icosahedral quasicrystal and its Zn-Sc periodic 1/1 approximant. In Nature Materials, 2007, vol. 6, no. 12, p. 977-984. (2007 - Current Contents). ISSN 1476-1122.

Citácie:

1. [1.1] ROGALEV, V. A. - GROENING, O. - WIDMER, R. - DIL, J. H. - BISTI, F. - LEV, L. L. - SCHMITT, T. - STROCOV, V. N. Fermi states and anisotropy of Brillouin zone scattering in the decagonal Al-Ni-Co quasicrystal. In NATURE COMMUNICATIONS. ISSN 2041-1723, 2015, vol. 6, 8607., WOS

ADCA217 DEL DEBBIO, L. - FABER, M. - GREENSITE, J. - OLEJNÍK, Štefan. Center vortices and the asymptotic string tension. In Nuclear Physics B - Proceedings Supplements, 1998, vol. 63, p. 552-554. ISSN 0920-5632.

Citácie:

1. [3.1] AHMADI, A.- RAFIBAKHSH, S. The role of non-quantized fluxes . In PREPRINT HEP-PH/1504.02877, 2015.

ADCA218 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] GIATAGANAS, Dimitrios. k-strings as fundamental strings. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, vol. 05, no. 5, 134., WOS

2. [1.1] KONDO, Kei-Ichi - KATO, Seikou - SHIBATA, Akihiro - SHINOHARA, Toru. Quark confinement: Dual superconductor picture based on a non-Abelian Stokes theorem and reformulations of Yang-Mills theory. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, 2015, vol. 579, pp. 1-226., WOS

3. [3.1] GIATAGANAS, D. Properties of confinement in holography. In PROCEEDINGS OF SCIENCE, 2015, p. 150.

ADCA219 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] BRUNO, Mattia - CASELLE, Michele - PANERO, Marco - PELLEGRINI, Roberto. Exceptional thermodynamics: the equation of state of G(2) gauge theory. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, vol.03, no. 3, 057., WOS

2. [1.1] BURGIO, G. - REINHARDT, H. Topologial order and the vacuum of Yang-Mills theories. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91,

no. 2, 025021., WOS
3. [1.1] BURGIO, Giuseppe - QUANDT, Markus - REINHARDT, Hugo - VOGT, Hannes. Coulomb versus physical string tension on the lattice. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 3, 034518., WOS
4. [1.1] HOELLWIESER, Roman - ENGELHARDT, Michael. Approaching SU(2) gauge dynamics with smeared Z(2) vortices. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 3, 034502., WOS
5. [1.1] HOLLWIESER, R.- ALTARAWNEH, D. Center vortices, area law and the catenary solution. In JOURNAL OF MODERN PHYSICS, A30, 2015, 1550207., WOS
6. [1.1] KONDO, Kei-Ichi - KATO, Seikou - SHIBATA, Akihiro - SHINOHARA, Toru. Quark confinement: Dual superconductor picture based on a non-Abelian Stokes theorem and reformulations of Yang-Mills theory. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, 2015, vol. 579, pp. 1-226., WOS
7. [1.1] PAPAVASSILIOU, J. Unraveling the organization of the QCD tapestry. In 4TH SYMPOSIUM ON PROSPECTS IN THE PHYSICS OF DISCRETE SYMMETRIES (DISCRETE2014). ISSN 1742-6588, 2015, vol. 631, 012006., WOS
8. [1.1] TREWARTHA, Daniel - KAMLEH, Waseem - LEINWEBER, Derek. Connection between center vortices and instantons through gauge-field smoothing. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 7, 074507., WOS
9. [1.1] TREWARTHA, Daniel - KAMLEH, Waseem - LEINWEBER, Derek. Evidence that centre vortices underpin dynamical chiral symmetry breaking in SU(3) gauge theory. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 747, pp. 373., WOS
10. [3.1] HEFFNER, J.P. Hamiltonzugang zum Deconfinement-Phasenubergang der Yang-Mills-Theorie. In PhD Thesis. Tubingen, Eberhard-Karls-University 2015, 10900/64354.
11. [3.1] HOLLWIESER, R.- ENGELHARDT, M. Smearing center vortices. In PROCEEDINGS OF SCIENCE, 2015, p. 356.
12. [3.1] OXMAN, L.E. Hybrid mesons as systems of confined monopoles. In PREPRINT HEP-PH/1506.05186, 2015.
13. [3.1] TREWARTHA, D.- KAMLEH, W.- LEINWEBER, D. Centre vortex effects on the overlap quark propagator. In PROCEEDINGS OF SCIENCE, 2015, p. 357.

ADCA220 DEL DEBBIO, L. - FABER, M. - GIEDT, J. - GREENSITE, J. - OLEJNÍK, Štefan. Detection of center vortices in the lattice Yang-Mills vacuum. In Physical Review D, 1998, vol. 58, no. 9, 094501. ISSN 1550-7998.

Citácie:
1. [1.1] BURGIO, Giuseppe - QUANDT, Markus - REINHARDT, Hugo - VOGT, Hannes. Coulomb versus physical string tension on the lattice. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 3, 034518., WOS
2. [1.1] HOELLWIESER, Roman - ALTARAWNEH, Derar. Center vortices, area law and the catenary solution. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 34, 1550207., WOS
3. [1.1] HOELLWIESER, Roman - ENGELHARDT, Michael. Approaching SU(2) gauge dynamics with smeared Z(2) vortices. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 3, 034502., WOS
4. [1.1] KONDO, Kei-Ichi - KATO, Seikou - SHIBATA, Akihiro - SHINOHARA, Toru. Quark confinement: Dual superconductor picture based on a non-Abelian

Stokes theorem and reformulations of Yang-Mills theory. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, 2015, vol. 579, pp. 1-226., WOS
5. [1.1] TREWARTHA, Daniel - KAMLEH, Waseem - LEINWEBER, Derek. Connection between center vortices and instantons through gauge-field smoothing. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 7, 074507., WOS
6. [1.1] TREWARTHA, Daniel - KAMLEH, Waseem - LEINWEBER, Derek. Evidence that centre vortices underpin dynamical chiral symmetry breaking in SU(3) gauge theory. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 747, pp. 373-377., WOS
7. [3.1] TREWARTHA, D.- KAMLEH, W.- LEINWEBER, D. Centre vortex effects on the overlap quark propagator. In PROCEEDINGS OF SCIENCE, 2015, p. 357.

ADCA221 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.

Citácie:
1. [1.1] CERE, Alessandro - LEONG, Victor - KOSEN, Sandoko - SRIVATHSAN, Bharath - GULATI, Gurpreet Kaur - KURTSIEFAR, Christian. Controlling the interference of single photons emitted by independent atomic sources. In QUANTUM COMMUNICATIONS AND QUANTUM IMAGING XIII. ISSN 0277-786X, 2015, vol. 9615, UNSP 96150Q., WOS
2. [1.1] LEONG, Victor - KOSEN, Sandoko - SRIVATHSAN, Bharath - GULATI, Gurpreet Kaur - CERE, Alessandro - KURTSIEFER, Christian. Hong-Ou-Mandel interference between triggered and heralded single photons from separate atomic systems. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 91, no. 6, 063829., WOS
3. [1.1] MANI, Azam - KARIMIPOUR, Vahid - MEMARZADEH, Laleh. Comparison of parallel and antiparallel two-qubit mixed states. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 91, no. 1, UNSP 012304., WOS
4. [1.1] ROA, Luis - GROISEAU, Caspar. Probabilistic teleportation without loss of information. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 91, no. 1, 012344., WOS
5. [1.1] ROA, Luis - MUNOZ, Ariana - HUTIN, Alice - HECKER, Matthias. Threefold entanglement matching. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2015, vol. 14, no. 11, pp. 4113., WOS
6. [1.1] SCHWEMMER, Christian - KNIPS, Lukas - MINH CONG TRAN - DE ROSIER, Anna - LASKOWSKI, Wieslaw - PATEREK, Tomasz - WEINFURTER, Harald. Genuine Multipartite Entanglement without Multipartite Correlations. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 114, no. 18, 180501., WOS
7. [1.1] WANG, W.B. - ZU, C. - HE, L. - ZHANG, W.G. - DUAN, L.M. Memory-built-in quantum cloning in a hybrid solid-state spin register. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2015, vol. 5, 12203., WOS
8. [1.1] ZHANG, Donghui - GAN, Yujie - CHEN, Tingkai - YANG, Shenghong - ZHANG, Yueli. Effect of La Substitution on Structural, Electrical and Magnetic Properties in BF-BCZT Ceramics. In FERROELECTRICS. ISSN 0015-0193, 2015, vol. 489, no. 1, pp. 88., WOS
9. [1.1] ZHANG, Donghui - GAN, Yujie - CHEN, Tingkai - YANG, Shenghong - ZHANG, Yueli. Phase transition and enhanced electrical properties in 0.725BiFeO(3)-0.275Ba(0.85)Ca(0.15)Ti(0.9)Zr(0.1-x)Sn(x)O(3) multiferroic

ceramics. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2015, vol. 637, no., pp. 137., WOS

ADCA222 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.

Citácie:

1. [1.1] BAGHSHAHI, H. R. - TAVASSOLY, M. K. - AKHTARSHENAS, S. J. Generation and nonclassicality of entangled states via the interaction of two three-level atoms with a quantized cavity field assisted by a driving external classical field. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2015, vol. 14, no. 4, pp. 1279., WOS

2. [1.1] BRUNELLI, M. - XUEREB, A. - FERRARO, A. - DE CHIARA, G. - KIESEL, N. - PATERNOSTRO, M. Out-of-equilibrium thermodynamics of quantum optomechanical systems. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2015, vol. 17, 035016., WOS

3. [1.1] FIROUZABADI, N. Asili - TAVASSOLY, M. K. - FAGHIHI, M. J. Algebraic and group treatments to nonlinear displaced number states and their nonclassicality features: A new approach. In CHINESE PHYSICS B. ISSN 1674-1056, 2015, vol. 24, no. 6, 064204., WOS

4. [1.1] HEERES, R.W. et al. Cavity state manipulation . In PHYSICAL REVIEW LETTERS, 2015, vol. 115, 137002., WOS

5. [1.1] LO, Ping-Yuan - XIONG, Heng-Na - ZHANG, Wei-Min. Breakdown of Bose-Einstein Distribution in Photonic Crystals. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2015, vol. 5, 9423., WOS

6. [1.1] RODRIGUEZ-LARA, B. M. - SOTO-EGUIBAR, Francisco - CHRISTODOULIDES, Demetrios N. Quantum optics as a tool for photonic lattice design. In PHYSICA SCRIPTA. ISSN 0031-8949, 2015, vol. 90, no. 6, 068014., WOS

7. [1.1] SOTO-EGUIBAR, F. - ZUNIGA-SEGUNDO, A. - RODRIGUEZ-LARA, B. M. - MOYA-CESSA, H. M. Ultracold two-level atom in a quadratic potential. In OPTICS COMMUNICATIONS. ISSN 0030-4018, 2015, vol. 349, pp. 120., WOS

8. [1.1] TUREK, Yusuf - KOBAYASHI, Hirokazu - AKUTSU, Tomotada - SUN, Chang-Pu - SHIKANO, Yutaka. Post-selected von Neumann measurement with Hermite-Gaussian and Laguerre-Gaussian pointer states. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2015, vol. 17, 083029., WOS

9. [1.1] ZHAO, Yan-Jun - LIU, Yu-Long - LIU, Yu-xi - NORI, Franco. Generating nonclassical photon states via longitudinal couplings between superconducting qubits and microwave fields. In PHYSICAL REVIEW A. ISSN 2469-9926, 2015, vol. 91, no. 5, 053820., WOS

ADCA223 DERIAN, René - GENDIAR, Andrej - NISHINO, T. Modulation of local magnetization in two-dimensional axial-next-nearest-neighbor model. In Journal of Physical Society of Japan, 2006, vol. 75, p. 114001, also condmat 0605411.

Citácie:

1. [1.1] LANGARI, A. - MOHAMMAD-AGHAEI, A. - HAGHSHENAS, R. In PHYSICAL REVIEW B. JAN 15 2015, vol. 91, no. 2., WOS

ADCA224 DERKA, R. - BUŽEK, Vladimír - EKERT, A.K. Universal algorithm for optimal estimation of quantum states from finite ensembles via realizable generalized measurement. In Physical Review Letters, 1998, vol. 80, no. 8, p. 1571-1575. (6.140 - IF1997). (1998 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Citácie:

1. [1.1] BENT, N. - QASSIM, H. - TAHIR, A. A. - SYCH, D. - LEUCHS, G. - SANCHEZ-SOTO, L. L. - KARIMI, E. - BOYD, R. W. Experimental Realization of

Quantum Tomography of Photonic Qudits via Symmetric Informationally Complete Positive Operator-Valued Measures. In PHYSICAL REVIEW X. ISSN 2160-3308, 2015, vol. 5, no. 4, 041006., WOS

ADCA225 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.

Citácie:

1. [1.2] KATO, Seikou - KONDO, Kei Ichi - SHIBATA, Akihiro. Gauge-independent "abelian" and magnetic-monopole dominance, and the dual Meissner effect in lattice SU (2) Yang-Mills theory. In Physical Review D Particles, Fields, Gravitation and Cosmology. ISSN 15507998, 2015-02-19, 91, 3, 034506., SCOPUS

2. [1.2] KONDO, Kei Ichi - KATO, Seikou - SHIBATA, Akihiro - SHINOHARA, Toru. Quark confinement: Dual superconductor picture based on a non-Abelian Stokes theorem and reformulations of Yang-Mills theory. In Physics Reports. ISSN 03701573, 2015-01-01, 579, pp. 1-226., SCOPUS

3. [3.1] CEA, P. et al. London penetration depth and coherence length of SU(3) vacuum flux tubes. In PROCEEDINGS OF SCIENCE, 2015, p. 350.

4. [3.1] CEA, P. et al. Anatomy of SU(3) flux tubes at finite temperature. In PROCEEDINGS OF SCIENCE, 2015, p. 322.

5. [3.1] SHIBATA, A. et al. Abelian monopole or non-Abelian monopole responsible for quark confinement. In PROCEEDINGS OF SCIENCE, 2015, p. 320.

6. [3.1] SHIBATA, A. et al. Confinement/deconfinement phase transition in SU(3) Yang-Mills theory in view of dual superconductivity. In PREPRINT KEK 2015-49, CHIBA-EP-214, 2015.

7. [3.1] SHIBATA, A. et al. Magnetic monopole and confinement/deconfinement phase transition in SU(3) Yang-Mills theory. In PROCEEDINGS OF SCIENCE, 2015, p. 340.

ADCA226 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.

Citácie:

1. [1.1] KATO, Seikou - KONDO, Kei-Ichi - SHIBATA, Akihiro. Gauge-independent "Abelian" and magnetic-monopole dominance, and the dual Meissner effect in lattice SU(2) Yang-Mills theory. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 3, pp. 034506., WOS

2. [1.2] KONDO, Kei Ichi - KATO, Seikou - SHIBATA, Akihiro - SHINOHARA, Toru. Quark confinement: Dual superconductor picture based on a non-Abelian Stokes theorem and reformulations of Yang-Mills theory. In Physics Reports. ISSN 03701573, 2015-01-01, 579, pp. 1-226., SCOPUS

3. [3.1] CEA, P. et al. Anatomy of SU(3) flux tubes at finite temperature. In PROCEEDINGS OF SCIENCE, 2015, p. 322.

4. [3.1] CEA, P. et al. London penetration depth and coherence length of SU(3) vacuum flux tubes. In PROCEEDINGS OF SCIENCE, 2015, p. 350.

5. [3.1] SHIBATA, A. et al. Abelian monopole or non-Abelian monopole responsible for quark cinfinement. In PROCEEDINGS OF SCIENCE, 2015, p. 320.

6. [3.1] SHIBATA, A. et al. Confinement/deconfinement phase transition in SU(3) Yang-Mills theory in view of dual superconductivity. In PREPRINT KEK 2015-49, CHIBA-EP-214, HEP-LAT/1511.04155, 2015.

7. [3.1] SHIBATA, A. et al. Magnetic monopole and confinement/deconfinement

phase transition in SU(3) Yang-Mills theory. In PROCEEDINGS OF SCIENCE, 2015, p. 340.

ADCA227 DOBEŠ, J. - BĚTÁK, Emil. Two-component exciton model. In Zeitschrift für Physik A. Hadrons and nuclei, 1983, vol. 310, p. 329-338. ISSN 0939-7922.

Citácie:

1. [1.2] BELYSHEV, S. S. - FILIPESCU, D. M. - GHEOGHE, I. - ISHKHANOV, B. S. - KHANKIN, V. V. - KURILIK, A. S. - KUZNETSOV, A. A. - ORLIN, V. N. - PESKOV, N. N. - STOPANI, K. A. - TESILEANU, O. - VARLAMOV, V. V. Multinucleon photonuclear reactions on ²⁰⁹Bi: Experiment and evaluation. In European Physical Journal A. ISSN 14346001, 2015-06-13, 51, 6, pp. 67., SCOPUS

2. [1.2] ESLAMI, M. - KAKAVAND, T. - MIRZAII, M. Theoretical approach to study the light particles induced production routes of ²²Na. In Annals of Nuclear Energy. ISSN 03064549, 2015-09-01, 83, pp. 14-24., SCOPUS

ADCA228 DOBEŠ, J. - BĚTÁK, Emil. A statistical derivation of the density of final states for the exciton model. In Nuclear Physics A, 1976, vol. 272, p. 353-364. ISSN 0375-9474.

Citácie:

1. [1.2] ISHKHANOV, B. S. - ORLIN, V. N. Modified version of the combined model of photonucleon reactions. In Physics of Atomic Nuclei. ISSN 10637788, 2015-07-27, 78, 5, pp. 557-573., SCOPUS

ADCA229 DROBNÝ, Gabriel - HAVUKAINEN, M. - BUŽEK, Vladimír. Stimulated Emission via quantum Interference: Scattering of one-photon. In Journal of Modern Optics, 2000, vol. 47, p. 851-860. (1.475 - IF1999). ISSN 0950-0340.

Citácie:

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

ADCA230 DROBNÝ, Gabriel - BANDILLA, A - JEX, Igor. Quantum description of nonlinearly interacting oscillators via classical trajectories. In Physical Review A, 1997, vol. 55, no. 1, p. 78-93. ISSN 1050-2947.

Citácie:

1. [1.1] OPATRNY, Tomas. Squeezing with classical Hamiltonians. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 92, no. 3, 033801., WOS

2. [1.1] ROMERO, J. L. - KLIMOV, A. B. - WALLENTOWITZ, S. Semiclassical dynamics of a rigid rotor: SO(3) covariant approach. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2015, vol. 17, 043015., WOS

ADCA231 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] BILLANGEON, P.M. - TSAI, J. S. - NAKAMURA, Y. Circuit-QED-based scalable architectures for quantum information processing with superconducting qubits. In PHYSICAL REVIEW B. ISSN 2469-9950, 2015, vol. 91, no. 9, 094517., WOS

ADCA232 DUBECKÝ, M. - DERIAN, René - JUREČKA, P. - MITÁŠ, L. - HOBZA, P. - OTYEPKA, M. Quantum Monte Carlo for noncovalent interactions: an efficient protocol attaining benchmark accuracy. In Physical Chemistry Chemical Physics, 2014, vol. 16, p. 20915-20923. (4.198 - IF2013). (2014 - Current Contents). ISSN 1463-9076.

Citácie:
1. [1.1] PICHUGINA, D. A. - KUZ&APOS;MENKO, N. E. - SHESTAKOV, A. F. Ligand-protected gold clusters: the structure, synthesis and applications. In RUSSIAN CHEMICAL REVIEWS. ISSN 0036-021X, 2015, vol. 84, no. 11, pp. 1114., WOS
2. [1.1] PILAR DE LARA-CASTELLS, Mara - MITRUSHCHENKOV, Alexander O. - STOLL, Hermann. Combining density functional and incremental post-Hartree-Fock approaches for van der Waals dominated adsorbate-surface interactions: Ag-2/graphene. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2015, vol. 143, no. 10, 102804., WOS
3. [1.1] SHULENBURGER, L. - BACZEWSKI, A. D. - ZHU, Z. - GUAN, J. - TOMANEK, D. The Nature of the Inter layer Interaction in Bulk and Few-Layer Phosphorus. In NANO LETTERS. ISSN 1530-6984, 2015, vol. 15, no. 12, pp. 8170., WOS
4. [1.1] SILKOWSKI, Michal - LESIUK, Michal - MOSZYNSKI, Robert. Calculation of the molecular integrals with the range-separated correlation factor. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2015, vol. 142, no. 12, 124102., WOS
5. [1.1] WU, Yanbin - WAGNER, Lucas K. - ALURU, Narayana R. The interaction between hexagonal boron nitride and water from first principles. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2015, vol. 142, no. 23, 234702., WOS

ADCA233 DUBECKÝ, Matúš - JUREČKA, P. - DERIAN, René - HOBZA, P. - OTYEPKA, M. - MITÁŠ, L. Quantum Monte Carlo methods describe noncovalent interactions with subchemical accuracy. In Journal of Chemical Theory and Computation, 2013, vol. 9, no. 10, p. 4287-4292. (5.389 - IF2012). (2013 - Current Contents). ISSN 1549-9618.

Citácie:
1. [1.1] AL-HAMDANI, Yasmine S. - MA, Ming - ALFE, Dario - VON LILIENFELD, O. Anatole - MICHAELIDES, Angelos. Communication: Water on hexagonal boron nitride from diffusion Monte Carlo. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2015, vol. 142, no. 18, 181101., WOS
2. [1.1] AZADI, Sam - COHEN, R. E. Chemical accuracy from quantum Monte Carlo for the benzene dimer. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2015, vol. 143, no. 10, 104301., WOS
3. [1.1] CLAY, Raymond C. - MORALES, Miguel A. Influence of single particle orbital sets and configuration selection on multideterminant wavefunctions in quantum Monte Carlo. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2015, vol. 142, no. 23, 234103., WOS
4. [1.1] DEIBLE, Michael J. - KESSLER, Melody - GASPERICH, Kevin E. - JORDAN, Kenneth D. Quantum Monte Carlo calculation of the binding energy of the beryllium dimer. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2015, vol. 143, no. 8, 084116., WOS
5. [1.1] ESQUE, Jeremy - CECCHINI, Marco. Accurate Calculation of Conformational Free Energy Differences in Explicit Water: The Confinement-Solvation Free Energy Approach. In JOURNAL OF PHYSICAL CHEMISTRY B. ISSN 1520-6106, 2015, vol. 119, no. 16, pp. 5194., WOS
6. [1.1] GILLAN, M. J. - ALFE, D. - MANBY, F. R. Energy benchmarks for methane-water systems from quantum Monte Carlo and second-order Moller-Plesset calculations. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2015, vol. 143, no. 10, 102812., WOS
7. [1.1] HONGO, Kenta - WATSON, Mark A. - IITAKA, Toshiaki -

ASPURU-GUZIK, Alan - MAEZONO, Ryo. Diffusion Monte Carlo Study of Para-Diiodobenzene Polymorphism Revisited. In JOURNAL OF CHEMICAL THEORY AND COMPUTATION. ISSN 1549-9618, 2015, vol. 11, no. 3, pp. 907., WOS

8. [1.1] LAO, Ka Un - HERBERT, John M. Accurate and Efficient Quantum Chemistry Calculations for Noncovalent Interactions in Many-Body Systems: The XSAPT Family of Methods. In JOURNAL OF PHYSICAL CHEMISTRY A. ISSN 1089-5639, 2015, vol. 119, no. 2, pp. 235., WOS

9. [1.1] MCMINIS, Jeremy - CLAY, Raymond C. - LEE, Donghwa - MORALES, Miguel A. Molecular to Atomic Phase Transition in Hydrogen under High Pressure. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 114, no. 10, 105305., WOS

10. [1.1] PILAR DE LARA-CASTELLS, Mara - MITRUSHCHENKOV, Alexander O. - STOLL, Hermann. Combining density functional and incremental post-Hartree-Fock approaches for van der Waals dominated adsorbate-surface interactions: Ag-2/graphene. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2015, vol. 143, no. 10, 102804., WOS

11. [1.1] SHULENBURGER, L. - BACZEWSKI, A. D. - ZHU, Z. - GUAN, J. - TOMANEK, D. The Nature of the Inter layer Interaction in Bulk and Few-Layer Phosphorus. In NANO LETTERS. ISSN 1530-6984, 2015, vol. 15, no. 12, pp. 8170., WOS

12. [1.1] SILKOWSKI, Michal - LESIUK, Michal - MOSZYNSKI, Robert. Calculation of the molecular integrals with the range-separated correlation factor. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2015, vol. 142, no. 12, 124102., WOS

13. [1.1] VYSOTSKY, Yu. B. - KARTASHYNSKA, E. S. - VOLLHARDT, D. Theoretical description of 2D-cluster formation of nonionic surfactants at the air/water interface. In COLLOID AND POLYMER SCIENCE. ISSN 0303-402X, 2015, vol. 293, no. 11, pp. 3065., WOS

ADCA234 DUBECKÝ, Matúš - SU, H.B. Magnetism in thiolated gold model junctions. In Journal of Physical Chemistry C, 2012, vol. 116, no. 33, p. 17714-17720. (4.805 - IF2011). (2012 - Current Contents). ISSN 1932-7447.

Citácie:

1. [1.1] KOSTYRKO, T. - SLUSARSKI, T. Adsorption of a metalorganic complex at a metal surface: A density functional theory study vs. model description. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2015, vol. 117, no. 3, 034302., WOS

2. [1.1] XU, Haoxiang - CHENG, Daojian. Effect of the Passivating Ligands on the Geometric and Electronic Properties of Au-Pd Nanoalloys. In JOURNAL OF CLUSTER SCIENCE. ISSN 1040-7278, 2015, vol. 26, no. 3, pp. 799-813., WOS

ADCA235 DUBECKÝ, Matúš - DERIAN, René - MITAS, L. - ŠTICH, Ivan. Ground and excited electronic states of azobenzene: A quantum Monte Carlo study. In Journal of Chemical Physics, 2010, vol. 133, no. 24, 244301. (3.093 - IF2009). (2010 - Current Contents). ISSN 0021-9606.

Citácie:

1. [1.1] BUSHUYEV, Oleksandr S. - TAN, Davin - BARRETT, Christopher J. - FRISCIC, Tomislav. Fluorinated azobenzenes with highly strained geometries for halogen bond-driven self-assembly in the solid state. In CRYSTENGCOMM. ISSN 1466-8033, 2015, vol. 17, no. 1, pp. 73., WOS

2. [1.1] MARINESCU, Maria - EMANDI, Ana - MARTON, George - CINTEZA, Ludmila Otilia - CONSTANTINESCU, Catalin. Structural Studies and Optical Nonlinear Response of Some Pyrazole-5-Ones. In NANOSCIENCE AND

NANOTECHNOLOGY LETTERS. ISSN 1941-4900, 2015, vol. 7, no. 10, pp. 846., WOS

3. [1.1] MARSHALL, K. L. - SEKERA, E. R. - XIAO, K. Computational chemistry modeling and design of photoswitchable alignment materials for optically addressable liquid crystal devices. In LIQUID CRYSTALS XIX. ISSN 0277-786X, 2015, vol. 9565, 95650T., WOS

4. [1.1] SILKOWSKI, Michal - LESIUK, Michal - MOSZYNSKI, Robert. Calculation of the molecular integrals with the range-separated correlation factor. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2015, vol. 142, no. 12, 124102., WOS

ADCA236 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) -- gama+ J/psi in a relativistic constituent quark model with infrared confinement. In Physical Review D, 2011, vol. 84, nO. 1, 014006. (4.964 - IF2010). (2011 - Current Contents). ISSN 1550-7998.

Citácie:

1. [1.1] CARDOSO, Marco - RUPP, George - VAN BEVEREN, Eef. Unquenched quark-model calculation of X(3872) electromagnetic decays. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 1, 26., WOS

2. [1.1] TORRES, A. Martinez - KHEMCHANDANI, K. P. - NAVARRA, F. S. - NIELSEN, M. - ABREU, Luciano M. X(3872) production from reactions involving D and D mesons. In XXXVII BRAZILIAN MEETING ON NUCLEAR PHYSICS. ISSN 1742-6588, 2015, vol. 630, 012037., WOS*

ADCA237 DUBNIČKOVA, A.Z. - DUBNIČKA, Stanislav - BIAGINI, M.E. - CASTRO, A. The prediction of the behavior of Lambda-hyperon electromagnetic form-factors. In Czechoslovak journal of physics, 1991, vol. 41, no. 12, p. 1177-1188. (1991 - Current Contents). ISSN 0011-4626.

Citácie:

1. [1.1] FALDT, Goran. Entanglement in joint Lambda(Lambda)over-bar decay. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2015, vol. 51, no. 7, 74., WOS

ADCA238 DUBNIČKOVÁ, A.Z. - DUBNIČKA, Stanislav - REKALO, M.P. Investigation of the baryon electromaganetic structure by polarizatiion effect 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] BIANCONI, A.- TOMASI-GUSTAFSSON, E. Periodic interference structures in the timelike proton form factor. In PHYSICAL REVIEW LETTERS, 2015, vol. 114, no. 23, 232301., WOS

2. [1.1] PUNJABI, V. et al. The structure of the nucleon. In EUROPEAN PHYSICAL JOURNAL A, 2015, vol. 51, no. 7, 79., WOS

ADCA239 DUHAJ, Pavol - ŠVEC, Peter - JANIČKOVIČ, Dušan - MAŤKO, Igor - HLÁSNIK, M. Structure and magnetic-properties of the finement alloy. In Materials Science and Engineering B - Solid-State Materials for Advanced Technology, 1992, vol. 14, no. 4, p. 357-364. (0.620 - IF1991). (1992 - Current Contents). ISSN 0921-5107.

Citácie:

1. [1.1] GOEMOERY, F. - SOLOVYOV, M. - SOUC, J. Magnetization loop modelling for superconducting/ferromagnetic tube of an ac magnetic cloak. In SUPERCONDUCTOR SCIENCE & TECHNOLOGY. ISSN 0953-2048, 2015, vol. 28, no. 4, 044001., WOS

2. [1.1] SOLOVYOV, Mykola - SOUC, Jan - GOEMOERY, Fedor. Magnetic Cloak for Low Frequency AC Magnetic Field. In IEEE TRANSACTIONS ON

APPLIED SUPERCONDUCTIVITY. ISSN 1051-8223, 2015, vol. 25, no. 3, 8800705., WOS

ADCA240 DUHAJ, Pavol - ŠVEC, Peter - MAJKOVÁ, Eva - BOHÁČ, Vlastimil - MAŤKO, Igor. The study of phase-transitions in amorphous bilayers prepared by rapid quenching. In Materials Science and Engineering A, 1991, vol. 133, p. 662-666. (1991 - Current Contents, SCOPUS). ISSN 0921-5093.

Citácie:

1. [1.1] PANDA, A. K. - DEY, Sushmita - ROY, R. K. - SINGH, Satnam - MITRA, A. Influence of phase transformation on interfacial activity and bend sensitivity of rapidly quenched Fe77.5Si7.5B15/Co72.5Si12.5B15 bilayered magnetostrictive ribbons. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2015, vol. 378, pp. 440-446., WOS

ADCA241 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.

Citácie:

1. [1.1] CHEN, LiBing - LU, Hong. A Shared and Programmable Maximum-Confident Discrimination among Linearly Dependent Symmetric Qubit States. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2015, vol. 54, no. 6, pp. 1948., WOS

2. [1.1] HEINOSAARI, Teiko - TUKIAINEN, Mikko. Notes on deterministic programming of quantum observables and channels. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2015, vol. 14, no. 8, pp. 3097., WOS

3. [1.1] YANG, Seungho - LEE, Jinhyoung - JEONG, Hyunseok. Entropic Lower Bound for Distinguishability of Quantum States. In ADVANCES IN MATHEMATICAL PHYSICS. ISSN 1687-9120, 2015, 683658., WOS

ADCA242 ELSEVIERS, J. - ANDREYEV, A.N. - ANTALIC, S. - BARZAKH, A. - BREE, N. - COCOLIOS, T.E. - COMAS, V.F. - DIRIKEN, J. - FEDOROV, D. - FEDOSSEYEV, V.N. - FRANCHOO, S. - HEREDIA, J.A. - HUYSE, M. - IVANOV, O. - KOSTER, U. - MARSH, B.A. - PAGE, R.D. - PATRONIS, N. - SELIVERSTOV, M. - TSEKHANOVICH, I. - VAN DEN BERGH, P. - VAN DEWALLE, J. - VAN DUPPEN, P. - VENHART, Martin - VERMOTE, S. - VESELSKÝ, Martin - WAGEMANS, C. Shape coexistence in Hg-180 studied through the beta decay of Tl-180. In Physical Review C, 2011, vol. 84, 034307. (3.416 - IF2010). (2011 - Current Contents). ISSN 2469-9985.

Citácie:

1. [1.1] GARCIA-RAMOS, J. E. - HEYDE, K. Nuclear shape coexistence in Po isotopes: An interacting boson model study. In PHYSICAL REVIEW C. ISSN 2469-9985, 2015, vol. 92, no. 3, 034309., WOS

2. [1.1] MCCUTCHAN, E. A. Nuclear Data Sheets for A=180. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2015, vol. 126, pp. 151., WOS

ADCA243 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 180Tl. In Physical Review C, 2013, vol. 88, 044321. (3.715 - IF2012). (2013 - Current Contents, WOS, SCOPUS). ISSN 2469-9985.

Citácie:

1. [1.1] MCCUTCHAN, E. A. Nuclear Data Sheets for A=180. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2015, vol. 126, pp. 151., WOS
2. [1.1] MOELLER, Peter - RANDRUP, Jorgen. Calculated fission-fragment yield systematics in the region 74 <= Z <= 94 and 90 <= N <= 150. In PHYSICAL REVIEW C. ISSN 2469-9985, 2015, vol. 91, no. 4, 044316., WOS
3. [1.1] MOELLER, Peter - RANDRUP, Jorgen. Calculated fission-fragment yield systematics in the region 74 <= Z <= 94 and 90 <= N <= 150. In PHYSICAL REVIEW C. ISSN 2469-9985, 2015, vol. 91, no. 4, 044316., WOS
4. [1.1] PRASAD, E. - HINDE, D. J. - RAMACHANDRAN, K. - WILLIAMS, E. - DASGUPTA, M. - CARTER, I. P. - COOK, K. J. - JEUNG, D. Y. - LUONG, D. H. - MCNEIL, S. - PALSHETKAR, C. S. - RAFFERTY, D. C. - SIMENEL, C. - WAKHLE, A. - KHUYAGBAATAR, J. - DUELLMANN, Ch. E. - LOMMEL, B. - KINDLER, B. Observation of mass-asymmetric fission of mercury nuclei in heavy ion fusion. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 91, no. 6, 064605., WOS
5. [1.1] RODRIGUEZ-SANCHEZ, J. L. - BENLLIURE, J. - TAIEB, J. - ALVAREZ-POL, H. - AUDOUIN, L. - AYYAD, Y. - BELIER, G. - BOUTOUX, G. - CASAREJOS, E. - CHATILLON, A. - CORTINA-GIL, D. - GORBINET, T. - HEINZ, A. - KELIC-HEIL, A. - LAURENT, B. - MARTIN, J.F. - PARADELA, C. - PELLEREAU, E. - PIETRAS, B. - RAMOS, D. - RODRIGUEZ-TAJES, C. - ROSSI, D. M. - SIMON, H. - VARGAS, J. - VOSS, B. Complete characterization of the fission fragments produced in reactions induced by Pb-208 projectiles on proton at 500A MeV. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 91, no. 6, 064616., WOS
6. [1.1] WARDA, M. - ZDEB, A. Fission fragment mass yield deduced from density distribution in the pre-scission configuration. In PHYSICA SCRIPTA. ISSN 0031-8949, 2015, vol. 90, no. 11, 114003., WOS

ADCA244 EUCHNER, H. - MIHALKOVIČ, Marek - GAHLER, F. - JOHNSON, M.R. - SCHOBER, H. - ROLS, S. - SUARD, E. - BOSAK, A. - OHHASHI, S. - TSAI, A.P. - LIDIN, S. - GOMEZ, C.P. - CUSTERS, J. - PASCHEN, S. - DE BOISSIEU, M. Anomalous vibrational dynamics in the Mg(2)Zn(11) phase. In Physical Review B, 2011, vol. 83, no. 14, 144202. (3.774 - IF2010). (2011 - Current Contents, WOS, SCOPUS). ISSN 1550-235X.

Citácie:

1. [1.1] LIU, Xuan L. - VANLEEUWEN, Brian K. - SHANG, Shun-Li - DU, Yong - LIU, Zi-Kui. On the scaling factor in Debye-Gruneisen model: A case study of the Mg-Zn binary system. In COMPUTATIONAL MATERIALS SCIENCE. ISSN 0927-0256, 2015, vol. 98, pp. 34., WOS
2. [1.1] NEMEC, M. - GAERTNEROVA, V. - KLEMENTOVA, M. - JAEGER, A. Analysis of intermetallic particles in Mg-12 wt.%Zn binary alloy using transmission electron microscopy. In MATERIALS CHARACTERIZATION. ISSN 1044-5803, 2015, vol. 106,pp. 428., WOS

ADCA245 FABER, M. - GREENSITE, J. - OLEJNÍK, Štefan. Direct Laplacian center gauge. In Journal of High Energy Physics, 2001, no. 11, 053. ISSN 1126-6708.

Citácie:

1. [1.1] BURGIO, Giuseppe - QUANDT, Markus - REINHARDT, Hugo - VOGT, Hannes. Coulomb versus physical string tension on the lattice. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 3, 034518., WOS
2. [1.1] OXMAN, L. E. - SANTOS-ROSA, G. C. Detecting topological sectors in continuum Yang-Mills theory and the fate of BRST symmetry. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 12, 125025., WOS
3. [1.1] TREWARTHA, D.- KAMLEH, W.- LEINWEBER, D. Evidence the centre

vortices underpin dynamical chiral symmetry breaking in SU(3) gauge theory. In PHYSICS LETTERS B, 2015, vol. 747, p. 373-377., WOS

4. [1.1] TREWARTHA, Daniel - KAMLEH, Waseem - LEINWEBER, Derek. Connection between center vortices and instantons through gauge-field smoothing. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 7, 074507., WOS

ADCA246 FABER, M. - MARKUM, H. - OLEJNÍK, Štefan - SAKULER, W. Topological charge density around static colour sources. In Nuclear Physics B - Proceedings Supplements, 1994, vol. 34, p. 167-169. ISSN 0920-5632.

Citácie:

1. [1.2] LIU, Yizhuang - ZAHED, Ismail. Probing Wilson loops in the QCD instanton vacuum. In Physical Review D Particles, Fields, Gravitation and Cosmology. ISSN 15507998, 2015-02-24, 91, 3, 034023., SCOPUS

ADCA247 FABER, M. - GREENSITE, J. - OLEJNÍK, Štefan. Casimir scaling from center vortices: Towards and understanding of the adjoint string tension. In Physical Review D, 1998, vol. 57, no. 4, p. 2603-2609. ISSN 1550-7998.

Citácie:

1. [1.1] KONDO, Kei-Ichi - KATO, Seikou - SHIBATA, Akihiro - SHINOHARA, Toru. Quark confinement: Dual superconductor picture based on a non-Abelian Stokes theorem and reformulations of Yang-Mills theory. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, 2015, vol. 579, pp. 1-226., WOS

2. [1.1] NEJAD, Seyed Mohsen Hosseini - DELDAR, Sedigheh. Contributions of the center vortices and vacuum domain in potentials between static sources. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, vol. 03, no. 3, 016., WOS

3. [3.1] AHMADI, A.- RAFIBAKHSH, S. The role of non-quantized fluxes. In PREPRINT HEP-PH/1504.02877, 2015.

4. [3.1] OXMAN, L.E. Hybrid mesons as systems of confined monopoles. In PREPRINT HEP-PH/1506.05186, 2015.

ADCA248 FABER, Manfried - GREENSITE, Jeff - OLEJNÍK, Štefan. Remarks on the Gribov problem in the direct maximal center gauge. In Physical Review D, 2001, vol. 64, no. 3, 034511. ISSN 1550-7998.

Citácie:

1. [1.1] BURGIO, Giuseppe - QUANDT, Markus - REINHARDT, Hugo - VOGT, Hannes. Coulomb versus physical string tension on the lattice. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 3, 034518., WOS

ADCA249 FELDMAN, E. - HILLERY, M. - LEE, H.-W. - REITZNER, Daniel - ZHENG, H. - BUŽEK, Vladimír. Finding structural anomalies in graphs by means of quantum walks. In Physical Review A, 2010, vol. 82, no. 4, 040301 R. (2.866 - IF2009). (2010 - Current Contents). ISSN 1050-2947.

Citácie:

1. [1.1] COTTRELL, Seth S. Finding structural anomalies in star graphs using quantum walks: a general approach. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2015, vol. 49, no. 3, 035304., WOS

2. [1.1] LIU YAN-MEI - CHEN HAN-WU - LIU ZHI-HAO - XUE XI-LING - ZHU WAN-NING. Scattering quantum walk search algorithm on star graph. In ACTA PHYSICA SINICA. ISSN 1000-3290, 2015, vol. 64, no. 1, 010301., WOS

ADCA250 FEUERBACHER, M. - THOMAS, C. - MAKONGO, J.P.A. - HOFFMANN, S. - CARRILLO-CABRERA, W. - CARDOSO, R. - GRIN, Y. - KREINER, G. - JOUBERT, J.M. - SCHENK, T. - GASTALDI, J. - NGUYEN-THI, H. -

MANGELINCK-NOEL, N. - BILLIA, B. - DONNADIEU, P. - CZYRSKA-FILEMONOWICZ, A. - ZIELINSKA-LIPIEC, A. - DUBIEL, B. - WEBER, T. - SCHAUB, P. - KRAUSS, G. - GRAMLICH, V. - CHRISTENSEN, J. - LLIDIN, S. - FREDERICKSON, D. - MIHALKOVIČ, Marek - SIKORA, W. - MALINOWSKI, J. - BRUHNE, S. - PROFFEN, T. - ASSMUS, W. - DE BOISSIEU, M. - BLEY, F. The samson phase, beta-Mg2Al3, revisited. In Zeitschrift für Kristallographie, 2007, vol. 222, no. 6, p. 259-288. ISSN 0044-2968.

Citácie:

1. [1.1] DAS, Sambit - IYER, Mrinal - GAVINI, Vikram. Real-space formulation of orbital-free density functional theory using finite-element discretization: The case for Al, Mg, and Al-Mg intermetallics. In PHYSICAL REVIEW B. ISSN 2469-9950, 2015, vol. 92, no. 1, 014104., WOS

2. [1.1] MONTAGNE, Pierre - TILLARD, Monique. Mg2Al3, a complex and disordered intermetallic compound as anode material for metal-air batteries. In JOURNAL OF SOLID STATE ELECTROCHEMISTRY. ISSN 1432-8488, 2015, vol. 19, no. 3, pp. 685., WOS

3. [1.1] PANKOVA, Arina A. - AKHMETSHINA, Tatiana G. - BLATOV, Vladislav A. - PROSERPIO, Davide M. A Collection of Topological Types of Nanoclusters and Its Application to Icosahedron-Based Intermetallics. In INORGANIC CHEMISTRY. ISSN 0020-1669, 2015, vol. 54, no. 13, pp. 6616., WOS

4. [1.1] ZHOU, Yuli - ZHU, Yanglin - ZHU, Yunfeng - LI, Liquan. Phase transformation, kinetics and thermodynamics during the combustion synthesis of Mg2Al3 alloy. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2015, vol. 628, pp. 257., WOS

ADCA251 FIDRÍKOVÁ, Danica - GREIF, V. - DIEŠKA, P. - ŠTOFANIK, Vladimír - KUBIČÁR, Ľudovít - VLČKO, J. Monitoring of the temperature-moisture regime in St. Martin ´s Cathedral tower in Bratislava. In Environmental Earth Sciences, 2013, vol. 69, no. 4, p. 1481-1489. (1.445 - IF2012). (2013 - Current Contents). ISSN 1866-6280.

Citácie:

1. [1.1] NAKONIECZNA, Anna - KAFARSKI, Marcin - WILCZEK, Andrzej - SZYPLOWSKA, Agnieszka - JANIK, Grzegorz - ALBERT, Malgorzata - SKIERUCHA, Wojciech. Detection of Atmospheric Water Deposits in Porous Media Using the TDR Technique. In SENSORS. ISSN 1424-8220, 2015, vol. 15, no. 4, pp. 8464., WOS

ADCA252 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. 6, p. 987-1166. (0.568 - IF2012). (2013 - Current Contents). ISSN 0195-928X.

Citácie:

1. [1.1] NAKONIECZNA, Anna - KAFARSKI, Marcin - WILCZEK, Andrzej - SZYPLOWSKA, Agnieszka - JANIK, Grzegorz - ALBERT, Malgorzata - SKIERUCHA, Wojciech. Detection of Atmospheric Water Deposits in Porous Media Using the TDR Technique. In SENSORS. ISSN 1424-8220, 2015, vol. 15, no. 4, pp. 8464., WOS

ADCA253 FILIP, Peter - LEDNICKY, R. - MASUI, H. - XU, N. Initial eccentricity in deformed 197 Au+197 Au and 238 U +238 U collisions at odmocnina SNN=200 GeV at the BNL relativistic heavy ion collider. In Physical Review C, 2009, vol. 80, no. 5, 054903. (3.124 - IF2008). (2009 - Current Contents, SCOPUS). ISSN 2469-9985.

Citácie:

1. [1.1] BLOCZYNSKI, John - HUANG, Xu-Guang - ZHANG, Xilin - LIAO,

Jinfeng. Charge-dependent azimuthal correlations from AuAu to UU collisions. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2015, vol. 939, pp. 85., WOS
2. [1.1] GOLDSCHMIDT, Andy - QIU, Zhi - SHEN, Chun - HEINZ, Ulrich. Collision geometry and flow in uranium plus uranium collisions. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 92, no. 4, 044903., WOS
3. [1.1] LIAO, Jinfeng. Anomalous transport effects and possible environmental symmetry 'violation' in heavy-ion collisions. In PRAMANA-JOURNAL OF PHYSICS. ISSN 0304-4289, 2015, vol. 84, no. 5, pp. 901., WOS
4. [1.1] SHOU, Q. Y. - MA, Y. G. - SORENSEN, P. - TANG, A. H. - VIDEBAEK, F. - WANG, H. Parameterization of deformed nuclei for Glauber modeling in relativistic heavy ion collisions. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 749, pp. 215., WOS

ADCA254 FILIPPOV, S.N. - RYBÁR, Tomáš - ZIMAN, Mário. Local two-qubit entanglement-annihilating channels. In Physical Review A, 2012, vol. 85, no. 1, 012303. (2.878 - IF2011). (2012 - Current Contents). ISSN 1050-2947.

Citácie:

1. [1.1] ALI, Mazhar. Decoherence of genuine multipartite entanglement for local non-Markovian-Lorentzian reservoirs. In CHINESE PHYSICS B. ISSN 1674-1056, 2015, vol. 24, no. 12, 120303., WOS
2. [1.1] BAI, Zhaofang - DU, Shuanping. MAXIMALLY COHERENT STATES. In QUANTUM INFORMATION & COMPUTATION. ISSN 1533-7146, 2015, vol. 15, no. 15-16, pp. 1355., WOS
3. [1.1] LAMI, L. - GIOVANNETTI, V. Entanglement-breaking indices. In JOURNAL OF MATHEMATICAL PHYSICS. ISSN 0022-2488, 2015, vol. 56, no. 9, 092201., WOS
4. [1.1] MAZHAR, Ali. Robustness of Genuine Tripartite Entanglement under Collective Dephasing. In CHINESE PHYSICS LETTERS. ISSN 0256-307X, 2015, vol. 32, no. 6, 060302., WOS
5. [1.1] SHAHAM, A. - HALEVY, A. - DOVRAT, L. - MEGIDISH, E. - EISENBERG, H. S. Entanglement dynamics in the presence of controlled unital noise. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2015, vol. 5, 10796., WOS

ADCA255 FILIPPOV, S.N. - ZIMAN, Mário. Entanglement sensitivity to signal attenuation and amplification. In Physical Review A, 2014, vol. 90, 010301 R. (2.991 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 1050-2947.

Citácie:

1. [1.1] HOSSEINIDEHAJ, Nedasadat - MALANEY, Robert. Entanglement generation via non-Gaussian transfer over atmospheric fading channels. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 92, no. 6, 062336., WOS
2. [1.1] SABAPATHY, Krishna Kumar. Quantum-optical channels that output only classical states. In PHYSICAL REVIEW A. ISSN 2469-9926, 2015, vol. 92, no. 5, 052301., WOS
3. [1.1] SPERLING, J. - VOGEL, W. - AGARWAL, G. S. Balanced homodyne detection with on-off detector systems: Observable nonclassicality criteria. In EPL. ISSN 0295-5075, 2015, vol. 109, no. 3, 34001., WOS

ADCA256 FILIPPOV, S.N. - MELNIKOV, A.A. - ZIMAN, Mário. Dissociation and annihilation of multipartite entanglement structure in dissipative quantum dynamics. In Physical Review A, 2013, vol. 88, no. 6, 062328. (3.042 - IF2012). (2013 - Current Contents, WOS, SCOPUS). ISSN 1050-2947.

Citácie:

1. [1.1] ALI, Mazhar. Decoherence of genuine multipartite entanglement for local non-Markovian-Lorentzian reservoirs. In CHINESE PHYSICS B. ISSN

1674-1056, 2015, vol. 24, no. 12, 120303., WOS
2. [1.1] AOLITA, Leandro - DE MELO, Fernando - DAVIDOVICH, Luiz. Open-system dynamics of entanglement: a key issues review. In REPORTS ON PROGRESS IN PHYSICS. ISSN 0034-4885, 2015, vol. 78, no. 4, 042001., WOS
3. [1.1] MAZHAR, Ali. Robustness of Genuine Tripartite Entanglement under Collective Dephasing. In CHINESE PHYSICS LETTERS. ISSN 0256-307X, 2015, vol. 32, no. 6, 060302., WOS

ADCA257 FILO, J. - MIŠICÁK - CIGÁŇ, Marek - WEIS, Martin - JAKABOVIČ, J. - GMUCOVÁ, Katarína - PAVUK, M. - DOBROČKA, Edmund - PUTALA, Martin. Oligothiophenes with the naphthalene core for organic thin-film transistors: variation in positions of bithiophenyl attachment to the naphthalene. In Synthetic Metals, 2015, vol. 202, p. 73-81. (2.252 - IF2014). (2015 - Current Contents). ISSN 0379-6779.

Citácie:

1. [1.1] JABALLAH, N. - CHEMLI, M. - FAVE, J.L. - MAJDOUB, M. In OPTICAL MATERIALS. DEC 2015, vol. 50, B, p. 144-153., WOS
2. [1.1] ZHAO, Y.G. - SNIECKUS, V. In ORGANIC LETTERS. OCT 2 2015, vol. 17, no. 19, p. 4674-4677., WOS

ADCA258 FLACHBART, Karol - GLOOS, K. - KONOVALOVA, E. - PADERNO, Y. - REIFFERS, Marián - SAMUELY, Peter - ŠVEC, Peter. Energy gap of intermediate-valent SmB6 studied by point-contact spectroscopy. In Physical Review B, 2001, vol. 64, no. 8, p. 085104. (3.065 - IF2000). (2001 - Current Contents, WOS, SCOPUS). ISSN 1550-235X.

Citácie:

1. [1.1] SYERS, Paul - KIM, Dohun - FUHRER, Michael S. - PAGLIONE, Johnpierre. Tuning Bulk and Surface Conduction in the Proposed Topological Kondo Insulator SmB6. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 114, no. 9, 096601., WOS

ADCA259 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 68 Ni via beta decay of the low-spin 68 Co isomer. In Physical Review C. Nuclear physics, 2015, vol. 91, 034310. (3.733 - IF2014). (2015 - Current Contents, WOS, SCOPUS). ISSN 2469-9985.

Citácie:

1. [1.1] GADE, Alexandra. Excitation energies in neutron-rich rare isotopes as indicators of changing shell structure. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2015, vol. 51, no. 9, 118., WOS
2. [1.1] SANTAMARIA, C. et al. Extension of the N=40 Island of Inversion towards N=50: Spectroscopy of Cr-66, Fe-70,Fe-72. In PHYSICAL REVIEW LETTERS, 2015, VOL. 115, NO. 19, 192501., WOS

ADCA260 FONG, D. - HAMILTON, J.H. - RAMAYYA, A.V. - HWANG, J.K. - GOODIN, C. - LI, K. - KORMICKI, J. - RASMUSSEN, J. - LUO, Y.X. - WU, S.C. - LEE, I.Y. - DANIEL, A.V. - TER-AKOPIAN, G.M. - POPEKO, G.S. - FOMICHEV, A.S. - RODIN, A.M. - OGANESSIAN, Yu.Ts. - JANDEL, M. - KLIMAN, Ján - KRUPA, L. - COLE, J.D. - STOYER, M.A. - DONANGELO, R. - MA, W.C. Bimodal fission in binary and ternary spontaneous fission of Cf-252. In Physics of Atomic Nuclei, 2006, vol. 69, no. 7, p. 1161-1167. ISSN 1063-7788.

Citácie:

1. [1.1] MATERNA, T. - LETOURNEAU, A. - AMOUROUX, Ch. - MARCHIX, A. - LITAIZE, O. - SEROT, O. - REGNIER, D. - BLANC, A. - JENTSCHEL, M. - KOESTER, U. - MUTTI, P. - SOLDNER, T. - SIMPSON, G. - LEONI, S. - DE FRANCE, G. - URBAN, W. Fission studies by prompt gamma-ray spectrometry. In EPJ WEB OF CONFERENCES , 2015, vol. 93, 02020., WOS

ADCA261 FOUNTAS, P.N. - SOULIOTIS, G.A. - VESELSKÝ, Martin - BONASERA, A. Systematic study of neutronrich rare isotope production in peripheral heavy-ion collisions below the Fermi energy. In Physical Review C, 2014, vol. 90, 064613. (3.881 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 2469-9985.

Citácie:

1. [1.1] BANSAL, Preeti - GAUTAM, Sakshi - PURI, Rajeev K. On the peak mass production of different fragments in intermediate-energy heavy-ion collisions. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2015, vol. 51, no. 11, 139., WOS

ADCA262 FOURNEE, V. - LEDIEU, J. - SHIMODA, M. - KRAJČÍ, Marián - SHARMA, H.-R. - MCGRATH, R. Thin film growth on quasicrystalline surfaces. In Israel Journal of Chemistry, 2011, vol. 51, no. 11-12, p. 1314-1325. (0.794 - IF2010). (2011 - Current Contents). ISSN 0021-2148.

Citácie:

1. [1.1] RAPPAZ, Michel - KURTULDU, Gueven. Thermodynamic Aspects of Homogeneous Nucleation Enhanced by Icosahedral Short Range Order in Liquid Fcc-Type Alloys. In JOM. ISSN 1047-4838, 2015, vol. 67, no. 8, pp. 1812., WOS

ADCA263 FRANCO, V. - CONDE, C.F. - BLAZQUEZ, J.S. - CONDE, A. - ŠVEC, Peter - JANIČKOVIČ, Dušan - KISS, L.F. A constant magnetocaloric response in FeMoCuB amorphous alloys with different Fe/B ratios. In Journal of Applied Physics, 2007, vol. 101, no. 9, 093903. (2.316 - IF2006). (2007 - Current Contents, SCOPUS). ISSN 0021-8979.

Citácie:

1. [1.1] ALVAREZ-ALONSO, P. - SANCHEZ LLAMAZARES, J. L. - SANCHEZ-VALDES, C. F. - FDEZ-GUBIEDA, M. L. - GORRIA, Pedro - BLANCO, J. A. High-magnetic field characterization of magnetocaloric effect in FeZrB(Cu) amorphous ribbons. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2015, vol. 117, no. 17, 17A710., WOS

2. [1.1] MA, S. C. - SHIH, C. W. - LIU, J. - YUAN, J. H. - LEE, S. Y. - LEE, Y. I. - CHANG, H. W. - CHANG, W. C. Wheel speed-dependent martensitic transformation and magnetocaloric effect in Ni-Co-Mn-Sn ferromagnetic shape memory alloy ribbons. In ACTA MATERIALIA. ISSN 1359-6454, 2015, vol. 90, pp. 292., WOS

3. [1.1] TLILI, R. - HAMMOUDA, R. - BEJAR, M. - DHAHRI, E. Theoretical investigation of the magnetocaloric effect on La-0.7(Ba, Sr)(0.3)Mn0.9Ga0.1O3 compound at room temperature. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2015, vol. 386, pp. 81., WOS

4. [1.1] XUAN, H. C. - ZHANG, Y. Q. - LI, H. - HAN, P. D. - WANG, D. H. - DU, Y. W. Enhancement of the martensitic transformation and magnetocaloric effect of Ni-Mn-V-Sn ribbons by annealing treatment. In PHYSICA STATUS SOLIDI A-APPLICATIONS AND MATERIALS SCIENCE. ISSN 1862-6300, 2015, vol. 212, no. 9, pp. 1954., WOS

5. [1.1] ZAIDI, N. - MNEFGUI, S. - DHAHRI, J. - HLIL, E. K. Effect of Ru substitution on the physical properties of La0.6Pr0.1Sr0.3Mn1-xRuxO3 (x=0.00, 0.05 and 0.15) perovskites. In RSC ADVANCES. ISSN 2046-2069, 2015, vol. 5, no. 40, pp. 31901., WOS

ADCA264 FRÖHLICH, Karol - ŠOUC, Ján - MACHAJDÍK, Daniel - JERGEL, Matej -

SNAUWAERT, J. - HELLEMANS, L. Surface quality of epitaxial CeO2 thin films grown on sapphire by aerosol metal organic chemical vapour deposition. In Chemical Vapour Deposition, 1998, vol. 4, p. 216-220. (1.360 - IF1997). (1998 - Current Contents).

Citácie:

1. [1.2] Develos-Bagarinao, K.: In Oxide Thin Films, Multilayers, and Nanocomposites. Eds: P. Mele et al. Springer 2015 ISBN: 978-3-319-14477-1. P. 213-235, SCOPUS

ADCA265 GAO, M.C. - UNLU, N. - SHIFLET, G.J. - MIHALKOVIČ, Marek. Reassessment of Al-Ce and Al-Nd binary systems supported by critical experiments and first-principles energy calculatiions. In Metallurgical and Materials Transactions A, 2005, vol. 36, p. 3269-3279. ISSN 1073-5623.

Citácie:

1. [1.1] ISSA, A. - SAAL, J. E. - WOLVERTON, C. Formation of high-strength beta ' precipitates in Mg-RE alloys: The role of the Mg/beta '' interfacial instability. In ACTA MATERIALIA. ISSN 1359-6454, 2015, vol. 83, pp. 75-83., WOS

2. [1.1] IVANOV, M. I. - BEREZUTSKII, V. V. - SHEVCHENKO, M. A. - KUDIN, V. G. - SUDAVTSOVA, V. S. Thermodynamic Properties of Binary Al-Ce and Ce-Fe Alloys. In POWDER METALLURGY AND METAL CERAMICS. ISSN 1068-1302, 2015, vol. 54, no. 1-2, pp. 80., WOS

3. [1.1] YANG, Tingzhi - WU, Changjun - SU, Xuping - TU, Hao - LIU, Ya - PENG, Haoping - WANG, Jianhua. The 450 and 600 degrees C Isothermal Sections of the Al-Ce-Zn (0-33.3 at.%Ce) Ternary System. In JOURNAL OF PHASE EQUILIBRIA AND DIFFUSION. ISSN 1547-7037, 2015, vol. 36, no. 3, pp. 198., WOS

ADCA266 GAO, M.C. - UNLU, N. - MIHALKOVIČ, Marek - WIDOM, M. - SHIFLET, G.J. Glass formation, phase equilibria and thermodynamic assessment of the Al-Ce-Co system assisted by first-principles energy calculations. In Metallurgical and Materials Transactions A, 2007. Vol. 38A, no. 10, p. 2540-2551.

Citácie:

1. [1.1] NIEHAUS, Oliver - HOFFMANN, Rolf-Dieter - TENCE, Sophie - CHEVALIER, Bernard - POETTGEN, Rainer. Intermediate-valent CeCoAl a commensurate modulated structure with short Ce-Co distances. In ZEITSCHRIFT FUR KRISTALLOGRAPHIE-CRYSTALLINE MATERIALS. ISSN 2194-4946, 2015, vol. 230, no. 9-10, pp. 579., WOS

ADCA267 GATTRINGER, Ch. - LIPTÁK, Ľudovít. Energy density for chiral lattice fermions with chemical potentional. In Physical Review D, 2007, vol. 76, no. 5, 054502. ISSN 1550-7998.

Citácie:

1. [3.1] GAVAI, R.V.- SHARMA, S. A simple idea for lattice QCD at finite density. In Proceedings of Science (CPOD2014), 2015, 015., WOS

ADCA268 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. (2.861 - IF2010). (2011 - Current Contents). ISSN 1050-2947.

Citácie:

1. [1.1] TADA, Tsukasa. Sine-square deformation and its relevance to string theory. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2015, vol. 30, no. 19, 1550092., WOS

2. [1.1] YONAGA, Kouki - SHIBATA, Naokazu. Ground State Phase Diagram of Twisted Three-Leg Spin Tube in Magnetic Field. In JOURNAL OF THE

PHYSICAL SOCIETY OF JAPAN. ISSN 0031-9015, 2015, vol. 84, no. 9, 094706., WOS

ADCA269 GENDIAR, Andrej - KRČMÁR, R. - ANDERGASSEN, S. - DANIŠKA, Michal - NISHINO, T. Weak correlation effects in the ising model on triangular-tiled hyperbolic lattices. In Physical Review E, 2012, vol. 86, 021105. (2.255 - IF2011). (2012 - Current Contents, WOS, SCOPUS). ISSN 2470-0045.

Citácie:

1. [1.1] MNASRI, Karim - JEEVANESAN, Bhilahari - SCHMALIAN, Joerg. Critical phenomena in hyperbolic space. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 92, no. 13, 134423., WOS

ADCA270 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.

Citácie:

1. [1.1] BISWAL, S. K. - SINGH, S. K. - BHUYAN, M. - PATRA, S. K. The Effects of Self Interacting Isoscalar-Vector Meson on Finite Nuclei and Infinite Nuclear Matter. In BRAZILIAN JOURNAL OF PHYSICS. ISSN 0103-9733, 2015, vol. 45, no. 3, pp. 347-352., WOS

2. [1.1] BISWAL, S. K. - SINGH, S. K. - PATRA, S. K. Softness of Sn isotopes in relativistic semiclassical approximation. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2015, vol. 30, no. 20, 1550097., WOS

ADCA271 GMUCOVÁ, Katarína - ORLICKÝ, Jozef - PAVLÁSEK, Juraj. Non-cottrell behavior of the dopamine redox reaction observed on the carbon fibre microelectrode by the double-step voltcoulometry. In Collection of Czechoslovak Chemical Communications, 2004, vol. 69, p. 419-425. (1.041 - IF2003). (2004 - Current Contents). ISSN 0010-0765.

Citácie:

1. [1.1] ELOUL, Shaltiel - COMPTON, Richard G. Charge Diffusion on the Surface of Particles with Simple Geometries. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2015, vol. 119, no. 49, pp. 27540-27549., WOS

ADCA272 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. (4.772 - IF2014). (2015 - Current Contents). ISSN 1932-7447.

Citácie:

1. [1.1] MCLEOD, John A. - PITMAN, Amy L. - KURMAEV, Ernst Z. - FINKELSTEIN, Larisa D. - ZHIDKOV, Ivan S. - SAVVA, Achilleas - MOEWES, Alexander. Linking the HOMO-LUMO gap to torsional disorder in P3HT/PCBM blends. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2015, vol. 143, no. 22, 224704., WOS

ADCA273 GORBINET, T. - AUMANN, T. - BIANCHIN, S. - BORODINA, O. - BOUDARD, A. - CAESAR, C. - CASAJEROS, E. - CZECH, B. - DUCRET, J.E. - HLAVÁČ, Stanislav - KURZ, N. - LANGER, C. - LE BLEIS, T. - LERAY, S. - LUKASIK, J. - PAWLOWSKI, P. - PIETRI, S. - SALSAC, M.-D. - SIMON, H. - VESELSKÝ, Martin - AYYAD, Y. - YORDANOV, O. Study of the spallation of Xe-136 in collision with H-1 and C-12 at GeV per nucleon. In Physica Scripta, 2012, t150, 014015. (1.204 - IF2011). (2012 - Current Contents). ISSN 0031-8949.

Citácie:

1. [1.1] NAPOLITANI, P. - COLONNA, M. Frustrated fragmentation and re-aggregation in nuclei: A non-equilibrium description in spallation. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 92, no. 3, 034607., WOS

ADCA274 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 teh Z=104 nucleus (256) Rf. In Physical Review Letters, 2012, vol. 109, no. 1, 012501. (7.370 - IF2011). (2012 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Citácie:

1. [1.1] BLOCK, M. Direct mass measurements of the heaviest elements with Penning traps. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2015, vol. 944, pp. 471., WOS

2. [1.1] DOBACZEWSKI, J. - AFANASJEV, A. V. - BENDER, M. - ROBLEDO, L. M. - SHI, Yue. Properties of nuclei in the nobelium region studied within the covariant, Skyrme, and Gogny energy density functionals. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2015, vol. 944, pp. 388., WOS

3. [1.1] HEENEN, P.H. - SKALSKI, J. - STASZCZAK, A. - VRETENAR, D. Shapes and alpha- and beta-decays of superheavy nuclei. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2015, vol. 944, pp. 415., WOS

4. [1.1] HOFMANN, Sigurd. Super-heavy nuclei. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2015, vol. 42, no. 11, 114001., WOS

5. [1.1] PRASSA, V. - LU, Bing-Nan - NIKSIC, T. - ACKERMANN, D. - VRETENAR, D. High-K isomers in transactinide nuclei close to N=162. In NUCLEAR STRUCTURE AND DYNAMICS '15. ISSN 0094-243X, 2015, vol. 1681, 030017., WOS

6. [1.1] PRASSA, V. - LU, Bing-Nan - NIKSIC, T. - ACKERMANN, D. - VRETENAR, D. High-K isomers in transactinide nuclei close to N=162. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 91, no. 3, 034324., WOS

ADCA275 GREENSITE, J. - OLEJNÍK, Štefan. Coulomb confinement from the Yang-Mills vacuum state in 2+1 dimensions. In Physical Review D, 2010, vol. 81, no. 7, 074504. (4.922 - IF2009). (2010 - Current Contents). ISSN 1550-7998.

Citácie:

1. [1.1] MAAS, Axel. Some more details of minimal-Landau-gauge SU(2) Yang-Mills propagators. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 91, no. 3, 034502., WOS

ADCA276 GREENSITE, J. - KOVALENKO, A.V. - OLEJNÍK, Štefan - POLIKARPOV, M.I. - SYRITSYN, S.N. - ZAKHAROV, V.I. Peculiarities in the spectrum of the adjoint scalar kinetic operator in Yang-Mills theory. In Physical Review D, 2006, vol. 74, 094507.

Citácie:

1. [1.1] KATAEV, A. L. - MOLOKOEDOV, V. S. Fourth-order QCD renormalization group quantities in the V scheme and the relation of the beta function to the Gell-Mann-Low function in QED. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 5, 054008., WOS

2. [3.1] KATAEV, A.L.- MOLOKOEDOV, V.S. The four-loop renormalization group QCD. In PREPRINT HEP-PH/ 1504.06571, 2015.

ADCA277 GREENSITE, J. - OLEJNÍK, Štefan. Numerical study of the Yang-Mills vacuum wave functional in D=3+1 dimensions. In Physical Review D, 2014, vol. 89, 034504. (4.864 - IF2013). (2014 - Current Contents). ISSN 1550-7998.

Citácie:

1. [3.1] HEFFNER, J.P. Hamiltonzugang zum Deconfinement-Phasenubergang der Yang-Mills-Theorie. In PhD Thesis, Eberhard-Karls-University Tubingen, 10900/64354, 2015.

ADCA278 GREENSITE, J. - MATEVOSYAN, H. - OLEJNÍK, Štefan - QUANDT, M. - REINHARDT, H. - SZCZEPANIAK, P. Testing proposals for the Yang-Mills vacuum wavefunctional by measurement of the vacuum. In Physical Review D, 2011, vol. 83, 114509. (4.964 - IF2010). (2011 - Current Contents). ISSN 1550-7998.

Citácie:

1. [1.1] PAPAVASSILIOU, J. Unraveling the organization of the QCD tapestry. In JOURNAL OF PHYSICS: CONFERENCE SERIES, 2015, vol. 631, 012006., WOS

2. [3.1] HEFFNER, J.P. Hamiltonzugang zum Deconfinement-Phaseubergang der Yang-Mills-Theorie. In PhD Thesis, Eberhard-Karls-University, Tubingen, 10900/64354/, 2015.

ADCA279 GREENSITE, J. - OLEJNÍK, Štefan. Dimensional reduction and the Yang-Mills vacuum state in 2+1 dimensions. In Physical Review D, 2008, vol. 77, no. 6, 065003. ISSN 1550-7998.

Citácie:

1. [1.1] GIATAGANAS, Dimitrios. k-strings as fundamental strings. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 5, 134., WOS

2. [3.1] GIATAGANAS, D. Properties of confinement in holography. In PROCEEDINGS OF SCIENCE, 2015, p. 150.

ADCA280 GREENSITE, J. - OLEJNÍK, Štefan - POLIKARPOV, M.I. - SYRITSYN, S.N. - ZAKHAROV, V.I. Localized eigenmodes of covariant Laplacians in the Yang-Mills vacuum. In Physical Review D, 2005, vol. 71, 114507. ISSN 1550-7998.

Citácie:

1. [1.1] UJFALUSI, Laszlo - GIORDANO, Matteo - PITTLER, Ferenc - KOVACS, Tamas G. - VARGA, Imre. Anderson transition and multifractals in the spectrum of the Dirac operator of quantum chromodynamics at high temperature. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 9, 094513., WOS

ADCA281 GREENSITE, J. - LANGFELD, K. - OLEJNÍK, Štefan - REINHARDT, H. - TOK, T. Color screening, Casimir scaling and domain structure in G(2) and SU(N) gauge theories. In Physical Review D, 2007, vol. 75, no. 3, 034501. ISSN 1550-7998.

Citácie:

1. [1.1] BONATI, Claudio. Topology and theta dependence in finite temperature G(2) lattice gauge theory. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 03, 2015, 006., WOS

2. [1.1] BRUNO, Mattia - CASELLE, Michele - PANERO, Marco - PELLEGRINI, Roberto. Exceptional thermodynamics: the equation of state of G(2) gauge theory. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 03, 2015, 057., WOS

3. [1.1] KONDO, Kei-Ichi - KATO, Seikou - SHIBATA, Akihiro - SHINOHARA, Toru. Quark confinement: Dual superconductor picture based on a non-Abelian Stokes theorem and reformulations of Yang-Mills theory. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, 2015, vol. 579, pp. 1-226., WOS

4. [1.1] NEJAD, Seyed Mohsen Hosseini - DELDAR, Sedigheh. Contributions of

the center vortices and vacuum domain in potentials between static sources. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 03, 2015, 016., WOS
5. [3.1] KUBRAK, S. Static and dynamic properties of QCD bound states. In. PhD Thesis, Justus-Liebig-University, Giesen 2015, 11560.
6. [3.1] WELLEGEHAUSEN, B.H.- Lorenz von SMEKAL. Lattice simulations of G2-QCD at finite density. In PROCEEDINGS OF SCIENCE, 2015, p. 177.

ADCA282 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.

Citácie:
1. [1.1] GUIMARAES, M. S. - MINTZ, B. W. - SORELLA, S. P. Dimension two condensates in the Gribov-Zwanziger theory in Coulomb gauge. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 12, 121701(R)., WOS
2. [1.1] MAAS, Axel. Propagators and topology. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 3, 122., WOS

ADCA283 GREENSITE, Jeff - OLEJNÍK, Štefan. Coulomb energy, vortices, and confinement. In Physical Review D, 2003, vol. 67, no. 9, 094503. ISSN 1550-7998.

Citácie:
1. [1.1] BURGIO, Giuseppe - QUANDT, Markus - REINHARDT, Hugo - VOGT, Hannes. Coulomb versus physical string tension on the lattice. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 3, 034518., WOS
2. [3.1] AYALA, C.- GONZÁLEZ, P.- VENTO, V. Dynamical gluon mass and linear confinement. In PREPRINT HEP-PH/ 1509.01382, 2015.
3. [3.1] REINHARDT, H. et al. Hamiltonian approach to QCD in Coulomb gauge. In PREPRINT HEP-TH/ 1510.03286, 2015.

ADCA284 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. ISSN 1550-7998.

Citácie:
1. [1.1] BURGIO, Giuseppe - QUANDT, Markus - REINHARDT, Hugo - VOGT, Hannes. Coulomb versus physical string tension on the lattice. In PHYSICAL REVIEW D. ISSN 2470-0010, 2015, vol. 92, no. 3, 034518., WOS
2. [1.1] CAPRI, M. A. L. - FIORENTINI, D. - SORELLA, S. P. Gribov horizon and non-perturbative BRST symmetry in the maximal Abelian gauge. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 751, pp. 262., WOS
3. [1.1] CAPRI, M. A. L. - PEREIRA, A. D. - SOBREIRO, R. F. - SORELLA, S. P. Non-perturbative treatment of the linear covariant gauges by taking into account the Gribov copies. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 10, 479., WOS
4. [1.1] GUIMARAES, M. S. - MINTZ, B. W. - SORELLA, S. P. Dimension two condensates in the Gribov-Zwanziger theory in Coulomb gauge. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 12, 121701(R)., WOS
5. [1.1] OXMAN, L. E. - SANTOS-ROSA, G. C. Detecting topological sectors in continuum Yang-Mills theory and the fate of BRST symmetry. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 12, 125025., WOS
6. [3.1] HEFFNER, J.P. Hamiltonzugang zum Deconfinement-Phasenubergang der Yang-Mills-Theorie. In PhD Thesis . Tubinge, Eberhard-Karls-University, 2015 /10900/64354.

ADCA285 GU, N. - HENLEY, C.L. - MIHALKOVIČ, Marek. Co-rich decagonal Al-Co-Ni: predicting structure, orientational order and puckering. In Philosophical Magazine, 2006, vol. 86, no. 3-5, p. 593-599. ISSN 1478-6435.

Citácie:

1. [1.1] BASARIYA, M. Raviathul - ROY, Rajat K. - PRAMANICK, A. K. - SRIVASTAVA, V. C. - MUKHOPADHYAY, N. K. Structural transition and softening in Al-Fe intermetallic compounds induced by high energy ball milling. In MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING. ISSN 0921-5093, 2015, vol. 638, pp. 282-288., WOS

ADCA286 GUPTA, Ajay - RUWALI, Kailash - PAUL, Neelima - DUHAJ, Pavol. Crystallization behavior of amorphous (Fe100-xCox)85B15. In Materials Science and Engineering A, 2001, vol. 304-306, p. 371-374. (0.897 - IF2000). (2001 - Current Contents, WOS, SCOPUS). ISSN 0921-5093.

Citácie:

1. [1.1] TSENG, Jiun-Yi - CHEN, Yuan-Tsung - CHANG, Z. G. - WU, C. W. - YANG, L. C. Crystallization Behavior and Thermal Analysis of CoFeB Thin Films. In JOURNAL OF NANOMATERIALS. ISSN 1687-4110, 2015, pp., WOS

ADCA287 HAAPASALO, E. - SEDLÁK, Michal - ZIMAN, Mário. Distance to boundary and minimum-error discrimination. In Physical Review A, 2014, vol. 89, no. 6, 062303. (2.991 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 1050-2947.

Citácie:

1. [1.1] HAAPASALO, Erkka. Robustness of incompatibility for quantum devices. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2015, vol. 48, no. 25, 255303., WOS

ADCA288 HAFNER, J. - KRAJČÍ, Marián. Electronic-structure and stability of quasi-crystals-quasi-periodic dispersion- relations and pseudogaps. In Physical Review Letters, 1992, vol. 68, no. 15, p. 2321-2324. ISSN 0031-9007.

Citácie:

1. [1.1] THIEM, Stefanie - CHALKER, J. T. Long-range magnetic order in models for rare-earth quasicrystals. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 92, no. 22, 224409., WOS

2. [1.1] THIEM, Stefanie - CHALKER, J. T. Magnetism in rare-earth quasicrystals: RKKY interactions and ordering. In EPL. ISSN 0295-5075, 2015, vol. 110, no. 1, 17002., WOS

ADCA289 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. (5.356 - IF2013). (2014 - Current Contents). ISSN 1554-8929.

Citácie:

1. [1.1] MCGUIRK, G. M. - LEDIEU, J. - GAUDRY, E. - DE WEERD, M.C. - HAHNE, M. - GILLE, P. - IVARSSON, D. C. A. - ARMBRUESTER, M. - ARDINI, J. - HELD, G. - MACCHEROZZI, F. - BAYER, A. - LOWE, M. - PUSSI, K. - DIEHL, R. D. - FOURNEE, V. The atomic structure of low-index surfaces of the intermetallic compound InPd. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2015, vol. 143, no. 7, 074705., WOS

2. [1.1] PICCOLO, Laurent - KIBIS, Lidiya. The partial hydrogenation of butadiene over Al13Fe4: A surface-science study of reaction and deactivation mechanisms. In JOURNAL OF CATALYSIS. ISSN 0021-9517, 2015, vol. 332, pp. 112., WOS

ADCA290 HAFNER, J. - KRAJČÍ, Marián. Computer-simulation of Frank-Kasper-type icosahedral quasi-crystals. In Europhysics Letters, 1990, vol. 13, no. 4, p. 335-340. ISSN 0295-5075.

Citácie:

1. [1.1] MAHJOUB, R. - LAWS, K. J. - SCICLUNA, J. P. - DANIELS, J. E. - FERRY, M. A first principles molecular dynamics study of the relationship

between atomic structure and elastic properties of Mg-Zn-Ca amorphous alloys. In COMPUTATIONAL MATERIALS SCIENCE. ISSN 0927-0256, 2015, vol. 96, pp. 246., WOS

ADCA291 HALAHOVETS, Yuriy - ŠIFFALOVIČ, Peter - JERGEL, Matej - SENDERÁK, Rudolf - MAJKOVÁ, Eva - LUBY, Štefan - KOSTIČ, Ivan - SZYMANSKI, B. - STOBIECKI, F. Scanning magneto-optical Kerr microscope with auto-balanced detection scheme. In Review of Scientific Instruments, 2011, vol. 82, no. 8, 083706. (1.601 - IF2010). (2011 - Current Contents, SCOPUS). ISSN 0034-6748.

Citácie:

1. [3.1] NWOKOYE, C.A. Low temperature magneto-optical Kerr effect experimental system with a cryogen-free sample environment. In International Journal Nanoparticles Nanotech (IJNN). 2015, vol. 1, no. 1, 6 p.

ADCA292 HALLGREN, S. - NAGAJ, Daniel - NARAYANASWAMI, S. The local Hamiltonian problem on a line with eight states is QMA-complete. In Quantum Information and Computation, 2013, vol. 13, no. 9-10, p. 721-750. (1.646 - IF2012). (2013 - Current Contents). ISSN 1533-7146.

Citácie:

1. [1.1] BRAVYI, Sergey - GOSSET, David. Gapped and gapless phases of frustration-free spin-1/2 chains. In JOURNAL OF MATHEMATICAL PHYSICS. ISSN 0022-2488, 2015, vol. 56, no. 6, 061902., WOS

2. [1.1] GRILO, Alex Bredariol - KERENIDIS, Iordanis - SIKORA, Jamie. QMA with Subset State Witnesses. In MATHEMATICAL FOUNDATIONS OF COMPUTER SCIENCE 2015, PT II. ISSN 0302-9743, 2015, vol. 9235, pp. 163., WOS

3. [1.1] SENKO, C. - RICHERME, P. - SMITH, J. - LEE, A. - COHEN, I. - RETZKER, A. - MONROE, C. Realization of a Quantum Integer-Spin Chain with Controllable Interactions. In PHYSICAL REVIEW X. ISSN 2160-3308, 2015, vol. 5, no. 2, 021026., WOS

4. [1.1] WEI, Tzu-Chieh - LIANG, John C. Hamiltonian quantum computer in one dimension. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 92, no. 6, 062334., WOS

ADCA293 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. 1996, no. 1-5, p. 215-231. ISSN 0370-1573.

Citácie:

1. [1.1] DANU, L. S. - BISWAS, D. C. - NAYAK, B. K. - CHOUDHURY, R. K. Fission fragment mass distributions via prompt gamma-ray spectroscopy. In PRAMANA-JOURNAL OF PHYSICS. ISSN 0304-4289, 2015, vol. 85, no. 3, pp. 379., WOS

ADCA294 HARTMANOVÁ, Mária - HANIC, František - TUNEGA, Daniel - PUTYERA, K. Structural and electro-optical properties of Co-doped yttria-stabilized zirconia. In Chemical Papers - Chemické zvesti, 1998, vol. 52, no. 1, p. 12-15. (0.150 - IF1997). (1998 - Current Contents). ISSN 0366-6352.

Citácie:

1. [1.1] SATARDEKAR, Pradnyesh - MONTINARO, Dario - SGLAVO, Vincenzo M. Fe-doped YSZ electrolyte for the fabrication of metal supported-SOFC by co-sintering. In CERAMICS INTERNATIONAL. ISSN 0272-8842, 2015, vol. 41,

no. 8, pp. 9806., WOS

ADCA295 HARTMANOVÁ, Mária - KUBEL, F. - BURŠÍKOVÁ, V. - LOMONOVA, E.E. - HOLGADO, J.P. - NAVRÁTIL, V. - NAVRÁTIL, K. - KUNDRAČIK, F. Phase composition-dependent physical and mechanical properties of YbxZr1_O2_x/2 solid solutions. In Journal of Physics and Chemistry of Solids, 2008, vol. 69, p. 805-814. ISSN 0022-3697.

Citácie:

1. [1.1] BENITEZ-RICO, A. - GARCIA-SANCHEZ, M. F. - PICQUART, M. - MONROY-PELAEZ, B. M. - SANTANA-RODRIGUEZ, G. Understanding the High Ionic Conductivity in Nanostructured Ytterbium Stabilized Zirconia Thin Films. In JOURNAL OF NANOMATERIALS. ISSN 1687-4110, 2015, 692648., WOS

ADCA296 HARTMANOVÁ, Mária - THURZO, Ilja - JERGEL, Matej - BARTOŠ, J. - KADLEC, K. - ŽELEZNÝ, V. - TUNEGA, Daniel - KUNDRACIK, F. - CHROMIK, Štefan - BRUNEL, M. Characterization of yttria-stabilized zirconia thin films deposited by electron beam evaporation on silicon substrates. In Journal of Materials Science, 1998, vol. 33, p. 969-975. (0.670 - IF1997).

Citácie:

1. [1.1] CHOPADE, S.S. - NAYAK, C. - BHATTACHARYYA, D. - JHA, S.N. - TOKAS, R.B. - SAHOO, N.K. - DEO, M.N. - BISWAS, A. - RAI, S. - RAMAN, K.H.T. - RAO, G.M. - KUMAR, N. - PATIL, D.S. In APPLIED SURFACE SCIENCE. NOV 15 2015, vol. 355, p. 82-92., WOS

ADCA297 HARTMANOVÁ, Mária - LOMONOVA, E.E. - KUBEL, F. - SCHNEIDER, J. - BURŠÍKOVÁ, V. - JERGEL, Matej - NAVRÁTIL, V. - KUNDRACIK, F. Relationship between effective ionic radii, structure and electro-mechanical properties of zirconia stabilized with rare earth oxides M203 (M=Yb, Y, Sm). In Journal of Material Science, 2009. Vol. 44, p. 234-243.

Citácie:

1. [1.1] GROVER, V.-TYAGI, A.K. Ceria-based solid solutions. Chapter 2 . In NEW RESEARCH TRENDS OF FLUORIDE-BASED OXIDE MATERIALS: FROM BASIC CHEMISTRY AND MATERIALS SCIENCE TO ENGINEERING APPLICATIONS. Eds. A. Nakamura and J. Mizusaki. Singapore, Nova Science Publishers Inc. 2015, p. 29-58., WOS

2. [1.1] LEE, Yeong-Eun - LEE, Jung-A - LEE, Ho-Chang - LEE, Joon-Hyung - HEO, Young-Woo - KIM, Jae-Yuk - KO, Meong Hee - HWANG, Jin-Ha - KIM, Jeong-Joo. Sintering Behavior and Electrochemical Properties of (Gd0.1Ce0.9O1.95)(x)(Y0.16Zr0.84O1.92)(1-x)(x=0-1) Electrolyte for Solid Oxide Fuel Cells. In JOURNAL OF NANOELECTRONICS AND OPTOELECTRONICS. ISSN 1555-130X, 2015, vol. 10, no. 4, pp. 582-587., WOS

3. [1.1] XUE, Ye Jian - MIAO, He - HE, Chang Rong - WANG, Jian Xin - LIU, Man - SUN, Shan Shan - WANG, Qin - WANG, Wei Guo. Electrolyte supported solid oxide fuel cells with the super large size and thin ytterbia stabilized zirconia substrate. In JOURNAL OF POWER SOURCES. ISSN 0378-7753, 2015, vol. 279, pp. 610-619., WOS

ADCA298 HARTMANOVÁ, Mária - JERGEL, Matej - MANSILLA, C. - HOLGADO, J.P. - ZEMEK, J. - JUREK, K. - KUNDRAČIK, F. Structural characteristics and morphology of SmxCe1-xO2-x/2 thin films. In Applied Surface Science, 2009, vol. 255, p. 9085-9091.

Citácie:

1. [1.1] SRIUBAS, Mantas - LAUKAITIS, Giedrius. The Influence of the Technological Parameters on the Ionic Conductivity of Samarium Doped Ceria Thin Films. In MATERIALS SCIENCE-MEDZIAGOTYRA. ISSN 1392-1320,

2015, vol. 21, no. 1, pp. 105-110., WOS
2. [1.1] SURESH, R.-PONNUSWAMY, V.-MARIAPPAN, R. Influence of mole concentration on the optical properties of nebulized spray coated CeO2. In JOURNAL OPTICS (INDIA), 2015, vol. 44, p. 203-209., WOS

ADCA299 HARTMANOVÁ, Mária - GMUCOVÁ, Katarína - THURZO, Ilja. Dielectric properties of ceria and yttria-stabilized zirconia thin films. In Solid State Ionics : diffusion and reactions, 2000, vol. 130, no. 1-2, p. 105-110. (2000 - Current Contents). ISSN 0167-2738.

Citácie:

1. [1.1] MISHRA, Maneesha - KUPPUSAMI, P. - REDDY, V. R. - GHOSH, C. - DIVAKAR, R. - RAMASESHAN, R. - SINGH, Akash - THIRUMURUGESAN, R. - MOHANDAS, E. Influence of CeO2 layer thickness on the properties of CeO2/Gd2O3 multilayers prepared by pulsed laser deposition. In VACUUM. ISSN 0042-207X, 2015, vol. 113, pp. 64-74., WOS
2. [1.1] MUKAI, T. - FUJITA, T. - TSUKUI, S. - YOSHIDA, K. - ADACHI, M. - GORETTA, K. C. Effect of Rate on Pulsed Laser Deposition of Yttria-Stabilized Zirconia Electrolyte Thin Films for SOFCs. In JOURNAL OF FUEL CELL SCIENCE AND TECHNOLOGY. ISSN 1550-624X, 2015, vol. 12, no. 3, 031002., WOS
3. [1.1] ZHAO, Bingxin - WANG, Jinshu - LI, Hongyi - XU, Yue - YU, Haijun - JIA, Xinjian - ZHANG, Xiaofei - HAO, Yaowu. Solar-to-Electric Performance Enhancement by Titanium Oxide Nanoparticles Coated with Porous Yttrium Oxide for Dye-Sensitized Solar Cells. In ACS SUSTAINABLE CHEMISTRY & ENGINEERING. ISSN 2168-0485, 2015, vol. 3, no. 7, pp. 1518-1525., WOS

ADCA300 HAVUKAINEN, M. - DROBNÝ, Gabriel - STENHOLM, S. - BUŽEK, Vladimír. Quantum simulations of optical systems. In Journal of Modern Optics, 1999, vol. 46, no. 9, p. 1343-1367. (1999 - Current Contents). ISSN 0950-0340.

Citácie:

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

ADCA301 HECZKO, Oleg - ŠVEC, Peter - JANIČKOVIČ, Dušan - ULLAKKO, Kari. Magnetic Properties of NI-Mn-Ga ribbon prepared by rapid solidification. In IEEE Transactions on Magnetics, 2002, vol. 38, no. 5, p. 2841-2843. ISSN 0018-9464.

Citácie:

1. [1.1] CHEN, F. - LIU, W. L. - SHI, Y. G. - MUELLNER, P. Influence of annealing on martensitic transformation and magnetic entropy change in Ni37.7Co12.7Mn40.8Sn8.8 magnetic shape memory alloy ribbon. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2015, vol. 377, pp. 137-141., WOS
2. [1.1] LIU, Yao - ZHANG, Ming - HU, Fengxia - WANG, Jing - WU, Rongrong - ZHAO, Yingying - KUANG, Hao - ZUO, Wenliang - SUN, Jirong - SHEN, Baogen. The Martensitic Transition and Magnetocaloric Effect of Mn-Poor MnCoGe Melt-Spun Ribbons. In IEEE TRANSACTIONS ON MAGNETICS. ISSN 0018-9464, 2015, vol. 51, no. 11, 2504704., WOS
3. [1.1] QIAN, M. F. - ZHANG, X. X. - WEI, L. S. - GENG, L. - PENG, H. X. Effect of chemical ordering annealing on martensitic transformation and superelasticity in polycrystalline Ni-Mn-Ga microwires. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2015, vol. 645, pp. 335-343., WOS
4. [1.1] QIAN, M. F. - ZHANG, X. X. - WEI, L. S. - GENG, L. - PENG, H. X. Structural, magnetic and mechanical properties of oligocrystalline Ni-Mn-Ga

shape memory microwires. In MATERIALS TODAY-PROCEEDINGS. ISSN 2214-7853, 2015, vol. 2, pp. 577-581., WOS

ADCA302 HEINOSAARI, T. - SCHULTZ, J. - TOIGO, A. - ZIMAN, Mário. Maximally incompatible quantum observables. In Physics Letters A, 2014, vol. 378, p. 1695-1699. (1.626 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 0375-9601.

Citácie:

1. [1.1] HAAPASALO, Erkka. Robustness of incompatibility for quantum devices. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2015, vol. 48, no. 25, 255303., WOS

ADCA303 HILLERY, M. - ZHENG, H. - FELDMAN, E. - REITZNER, Daniel - BUŽEK, Vladimír. Quantum walks as a probe of structural anomalies in graphs. In Physical Review A, 2012, vol. 85, no. 6, 062325. (2.878 - IF2011). (2012 - Current Contents). ISSN 1050-2947.

Citácie:

1. [1.1] BEZDEKOVA, I. - STEFANAK, M. - JEX, I. Suitable bases for quantum walks with Wigner coins. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 92, no. 2, 022347., WOS

2. [1.1] COTTRELL, Seth S. Finding structural anomalies in star graphs using quantum walks: a general approach. In JOURNAL OF PHYSICS A. ISSN 1751-8113, 2015, vol. 48, no. 3, 035304., WOS

ADCA304 HILLERY, M. - REITZNER, Daniel - BUŽEK, Vladimír. Searching via walking: How to find a marked clique of a complete graph using quantum walks. In Physical Review A, 2010, vol. 81, no. 6, 062324. (2.866 - IF2009). (2010 - Current Contents). ISSN 1050-2947.

Citácie:

1. [1.1] BEZDEKOVA, I. - STEFANAK, M. - JEX, I. Suitable bases for quantum walks with Wigner coins. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 92, no. 2, 022347., WOS

2. [1.1] LIU, Hongxiao - DOLGUSHEV, Maxim - QI, Yi - ZHANG, Zhongzhi. Laplacian spectra of a class of small-world networks and their applications. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2015, vol. 5, 9024., WOS

ADCA305 HILLERY, M. - BUŽEK, Vladimír. Quantum machines. Vladimír Bužek. In Contemporary Physics, 2009, vol. 50, no. 5, p. 575-586. ISSN 0010-7514.

Citácie:

1. [1.1] GLASER, Steffen J. - BOSCAIN, Ugo - CALARCO, Tommaso - KOCH, Christiane P. - KOECKENBERGER, Walter - KOSLOFF, Ronnie - KUPROV, Ilya - LUY, Burkhard - SCHIRMER, Sophie - SCHULTE-HERBRUEGGEN, Thomas - SUGNY, Dominique - WILHELM, Frank K. Training Schrodinger's cat: quantum optimal control Strategic report on current status, visions and goals for research in Europe. In EUROPEAN PHYSICAL JOURNAL D. ISSN 1434-6060, 2015, vol. 69, no. 12, 279., WOS

ADCA306 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] ANANTH, N. et al. Criteria for non-k-separability. In EUROPEAN PHYSICAL JOURNAL D, 2015, vol. 69, no. 2, 56., WOS

2. [1.1] AOLITA, Leandro - DE MELO, Fernando - DAVIDOVICH, Luiz. Open-system dynamics of entanglement: a key issues review. In REPORTS ON PROGRESS IN PHYSICS. ISSN 0034-4885, 2015, vol. 78, no. 4, 042001., WOS

3. [1.1] ARMSTRONG, Seiji - WANG, Meng - TEH, Run Yan - GONG, Qihuang - HE, Qiongyi - JANOUSELE, Jiri - BACHOR, Hans-Albert - REID, Margaret D. -

LAM, Ping Koy. Multipartite Einstein-Podolsky-Rosen steering and genuine tripartite entanglement with optical networks. In NATURE PHYSICS. ISSN 1745-2473, 2015, vol. 11, no. 2, pp. 167., WOS
4. [1.1] BANERJEE, Subhashish - ALOK, Ashutosh Kumar - SRIKANTH, R. - HIESMAYR, Beatrix C. A quantum-information theoretic analysis of three-flavor neutrino oscillations. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 10, 487., WOS
5. [1.1] CAI CHUN - ZHOU LAN - SHENG YU-BO. Fast multi-copy entanglement purification with linear optics. In CHINESE PHYSICS B. ISSN 1674-1056, 2015, vol. 24, no. 12, 120306., WOS
6. [1.1] CHEN, J.-L. et al. Beyond Gisin s Theorem. In SCIENTIFIC REPORTS, 2015, vol. 5, 11624., WOS
7. [1.1] CHEN, Yan. Splitting an arbitrary two-ubit state . In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2015, vol. 54, p. 1515-1518., WOS
8. [1.1] CHIRIBELLA, G. et al. Universal superreplication of unitary gates. In PHYSICAL REVIEW LETTERS, 2015, vol. 114, 120504., WOS
9. [1.1] COHEN, Scott M. Structure of local quantum operations and classical communication: Finite versus infinite rounds. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 91, no. 4, 042106., WOS
10. [1.1] DAS, Tamoghna - PRABHU, R. - SEN DE, Aditi - SEN, Ujjwal. Distributed quantum dense coding with two receivers in noisy environments. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 92, no. 5, 052330., WOS
11. [1.1] DENG, Y. - LI, H. R. - LIANG, X. B. - LUO, M. X. Optimal W State and Bipartite Entanglement Transfers. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2015, vol. 54, no. 10, pp. 3676., WOS
12. [1.1] DOGRA, Shruti et al. Experimental construction of generic three-qubit states. In PHYSICAL REVIEW A, 2015, vol. 91, 022312., WOS
13. [1.1] DU FANGFANG - DENG FUGUO. Heralded entanglement concentration for photon systems with linear-optical elements. In SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY. ISSN 1674-7348, 2015, vol. 58, no. 4, 040303., WOS
14. [1.1] DU, Fang-Fang - DENG, Fu-Guo. Systematic entanglement concentration for unknown less-entangled three-photon W states. In LASER PHYSICS LETTERS. ISSN 1612-2011, 2015, vol. 12, no. 11, 115202., WOS
15. [1.1] FU, Yao - YIN, Hua-Lei - CHEN, Teng-Yun - CHEN, Zeng-Bing. Long-Distance Measurement-Device-Independent Multiparty Quantum Communication. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 114, no. 9, 090501., WOS
16. [1.1] GAY, Simon J. - PUTHOOR, Ittoop V. Equational Reasoning About Quantum Protocols. In REVERSIBLE COMPUTATION, RC 2015. ISSN 0302-9743, 2015, vol. 9138, no., pp. 155., WOS
17. [1.1] GRICE, W. P. - EVANS, P. G. - LAWRIE, B. - LEGRE, M. - LOUGOVSKI, P. - RAY, W. - WILLIAMS, B. P. - QI, B. - SMITH, A. M. Two-Party secret key distribution via a modified quantum secret sharing protocol. In OPTICS EXPRESS. ISSN 1094-4087, 2015, vol. 23, no. 6, pp. 7300., WOS
18. [1.1] HAN, Xue - HU, Shi - GUO, Qi - WANG, Hong-Fu - ZHANG, Shou. Effective scheme for W-state fusion with weak cross-Kerr nonlinearities. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2015, vol. 14, no. 6, pp. 1919., WOS
19. [1.1] HE, Xiao-Ling - LIU, Man - YANG, Chui-Ping. Controlled teleportation with the control of two groups of agents via entanglement. In QUANTUM

INFORMATION PROCESSING. ISSN 1570-0755, 2015, vol. 14, no. 3, pp. 1055., WOS
20. [1.1] HE, Xiao-Ling - YANG, Chui-Ping. Deterministic transfer of multiqubit GHZ entangled states and quantum secret sharing between different cavities. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2015, vol. 14, no. 12, pp. 4461., WOS
21. [1.1] HOUSHMAND, Mahboobeh - ZAMANI, Morteza Saheb - SEDIGHI, Mehdi - HOUSHMAND, Monireh. GA-based approach to find the stabilizers of a given sub-space. In GENETIC PROGRAMMING AND EVOLVABLE MACHINES. ISSN 1389-2576, 2015, vol. 16, no. 1, pp. 57., WOS
22. [1.1] HUANG WEI - WEN QIAO-YAN - LIU BIN - GAO FEI. Multi-user quantum key distribution with collective eavesdropping detection over collective-noise channels. In CHINESE PHYSICS B. ISSN 1674-1056, 2015, vol. 24, no. 7, 070308., WOS
23. [1.1] HUANG, Wei - YANG, Ying-Hui - JIA, Heng-Yue. Cryptanalysis and improvement of a quantum communication-based online shopping mechanism. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2015, vol. 14, no. 6, pp. 2211., WOS
24. [1.1] HUANG, Zhi-hong. Quantum State Sharing of an Arbitrary Three-Qubit State by Using a Seven-Qubit Entangled State. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2015, vol. 54, no. 9, pp. 3438., WOS
25. [1.1] JEON, Jun-Cheol. Fundamental two-party quantum secret sharing protocol. In INTERNATIONAL JOURNAL OF SECURITY AND ITS APPLICATIONS, 2015, vol. 9, p. 293-302., WOS
26. [1.1] JEONG, Kabgyun - KIM, Jaewan. Secure sequential transmission of quantum information. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2015, vol. 14, no. 9, pp. 3523., WOS
27. [1.1] JI, Sai - WANG, Fang - LIU, Wen-Jie - YUAN, Xiao-Min. Twice-Hadamard-CNOT attack on Li et al.'s fault-tolerant quantum private comparison and the improved scheme. In FRONTIERS OF PHYSICS. ISSN 2095-0462, 2015, vol. 10, no. 2, pp. 192., WOS
28. [1.1] KANG, Min-Sung et al. Quantum signature scheme using a single qubit rotation operator. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2015, vol. 54, p. 614-629., WOS
29. [1.1] KANG, Yi-Hao - XIA, Yan - LU, Pei-Min. Efficient preparation of Greenberger-Horne-Zeilinger state and W state of atoms with the help of the controlled phase flip gates in quantum nodes connected by collective-noise channels. In JOURNAL OF MODERN OPTICS. ISSN 0950-0340, 2015, vol. 62, no. 6, pp. 449., WOS
30. [1.1] KARIMIPOUR, V. - ASOUDEH, M. Quantum secret sharing and random hopping: Using single states instead of entanglement. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 92, no. 3, 030301., WOS
31. [1.1] KARIMIPOUR, V. - MEMARZADEH, L. - BORDBAR, Najmeh Tabe. Systematics of entanglement distribution by separable states. In PHYSICAL REVIEW A. ISSN 2469-9926, 2015, vol. 92, no. 3, 032325., WOS
32. [1.1] LAI, Hong et al. Dynamic (2,3) threshold quantum secret sharing. In COMMUNICATIONS IN THEORETICAL PHYSICS, 2015, vol. 63, p. 459-465., WOS
33. [1.1] LI DONG-FEN - WANG RUI-JIN - ZHANG FENG-LI. Quantum information splitting of a two-qubit Bell state using a four-qubit entangled state. In CHINESE PHYSICS C. ISSN 1674-1137, 2015, vol. 39, no. 4, 043103., WOS

34. [1.1] LI, Che-Ming - CHEN, Kai - CHEN, Yueh-Nan - ZHANG, Qiang - CHEN, Yu-Ao - PAN, Jian-Wei. Genuine High-Order Einstein-Podolsky-Rosen Steering. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 115, no. 1, 010402., WOS
35. [1.1] LI, Che-Ming - CHEN, Yueh-Nan - LAMBERT, Neill - CHIU, Ching-Yi - NORI, Franco. Certifying single-system steering for quantum-information processing. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 92, no. 6, 062310., WOS
36. [1.1] LI, Dong-fen - WANG, Rui-jin - ZHANG, Feng-li - DENG, Fu-hu - BAAGYERE, Edward. Quantum information splitting of arbitrary two-qubit state by using four-qubit cluster state and Bell-state. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2015, vol. 14, no. 3, pp. 1103., WOS
37. [1.1] LI, Dong-fen - WANG, Rui-jin - ZHANG, Feng-li - DENG, Fu-hu. Quantum Information Splitting of Arbitrary Three-Qubit State by Using Seven-Qubit Entangled State. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2015, vol. 54, no. 6, pp. 2068., WOS
38. [1.1] LI, Jian-Qiang - CHEN, Xiu-Bo - YANG, Yi-Xian. Quantum state representation based on combinatorial Laplacian matrix of star-relevant graph. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2015, vol. 14, no. 12, pp. 4691., WOS
39. [1.1] LI, Ming - FEI, Shao-Ming - LI-JOST, Xianqing - FAN, Heng. Genuine multipartite entanglement detection and lower bound of multipartite concurrence. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 92, no. 6, 062338., WOS
40. [1.1] LI, Na. Realizing and efficient fusion gate. In QUANTUM INFORMATION PROCESSING, 2015, vol. 14, p. 1933-1946., WOS
41. [1.1] LI, Xi-Han - GHOSE, Shohini. Analysis of N-qubit perfect controlled teleportation schemes from the controller's point of view. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 91, no. 1, 012320., WOS
42. [1.1] LI, Xi-Han - GHOSE, Shohini. Hyperentanglement concentration for time-bin and polarization hyperentangled photons. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 91, no. 6, 062302., WOS
43. [1.1] LI, Xi-Han. Quantum secure direct communication. In ACTA PHYSICA SINICA, 2015, vol. 64, 160307., WOS
44. [1.1] LI, Yuan-hua - LI, Xiao-lan - WANG, Zi-sheng. Quantum Information Splitting of an Arbitrary Three-Ion State in Ion-Trap System. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2015, vol. 54, no. 10, pp. 3850., WOS
45. [1.1] LIANG, Hua-Qiu - LIU, Jin-Ming - FENG, Shang-Shen - CHEN, Ji-Gen - XU, Xin-Ye. Effects of noises on joint remote state preparation via a GHZ-class channel. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2015, vol. 14, no. 10, pp. 3857., WOS
46. [1.1] LIANG, Yan - SU, Shi-Lei - WU, Qi-Cheng - JI, Xin - ZHANG, Shou. Adiabatic passage for three-dimensional entanglement generation through quantum Zeno dynamics. In OPTICS EXPRESS. ISSN 1094-4087, 2015, vol. 23, no. 4, pp. 5064., WOS
47. [1.1] LIN QING. Optical parity gate and a wide range of entangled states generation. In SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY. ISSN 1674-7348, 2015, vol. 58, no. 4, 044201., WOS
48. [1.1] LIU, Bin et al. Controlling the key by choosing the detection bits. In SCIENCE CHINA-INFORMATION SCIENCE, 2015, vol. 58, 112110., WOS
49. [1.1] LIU, Hao-Wen - WANG, Fei - LI, Hui-Ran - DENG, Yun - LUO, Ming-Xing. Optimal bipartite entanglement transfer and photonic

implementations. In OPTICS COMMUNICATIONS. ISSN 0030-4018, 2015, vol. 334, no., pp. 273., WOS
50. [1.1] LIU, Huan-Juan - FAN, Lin-Lin - XIA, Yan - SONG, Jie. Efficient entanglement concentration for partially entangled cluster states with weak cross-Kerr nonlinearity. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2015, vol. 14, no. 8, pp. 2909., WOS
51. [1.1] LIU, Wen-Jie - CHEN, Zheng-Fei - LIU, Chao - ZHENG, Yu. Improved Deterministic N-To-One Joint Remote Preparation of an Arbitrary Qubit via EPR Pairs. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2015, vol. 54, no. 2, pp. 472., WOS
52. [1.1] LOMBARDO, D. Deterministic creation of macroscopic cat states. In SCIENTIFIC REPORTS, 2015, vol. 5, 13884., WOS
53. [1.1] LUO, Ming-Xing - DENG, Yun - LI, Hui-Ran - WANG, Xiaojun. Generations of N-atom GHZ state andatom W state assisted by quantum dots in optical microcavities. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2015, vol. 14, no. 10, pp. 3661., WOS
54. [1.1] LUO, Ming-Xing - MA, Song-Ya - CHEN, Xiu-Bo - WANG, Xiaojun. Hybrid quantum-state joining and splitting assisted by quantum dots in one-side optical microcavities. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 91, no. 4, 042326., WOS
55. [1.1] MA SONG-YA - GAO CONG - LUO MING-XING. Efficient schemes of joint remote preparation with a passive receiver via EPR pairs. In CHINESE PHYSICS B. ISSN 1674-1056, 2015, vol. 24, no. 11, 110308., WOS
56. [1.1] MA, Hongyang - WANG, Shumei. Development of Security WLAN Protocol Based on Quantum GHZ Stats. In WIRELESS PERSONAL COMMUNICATIONS. ISSN 0929-6212, 2015, vol. 80, no. 1, pp. 193., WOS
57. [1.1] MAITRA, Arpita - DE, Sourya Joyee - PAUL, Goutam - PAL, Asim K. Proposal for quantum rational secret sharing. In PHYSICAL REVIEW A. ISSN 2469-9926, 2015, vol. 92, no. 2, 022305., WOS
58. [1.1] MAITRA, Arpita - PAUL, Goutam. A Resilient Quantum Secret Sharing Scheme. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2015, vol. 54, no. 2, pp. 398., WOS
59. [1.1] MARKHAM, D. Practical sharing of quantum secrets. In INFORMATION THEORETIC SECURITY (ICITS 2015). Lecture Notes in Computer Science, 2015, VOL. 9063, p. 1-14., WOS
60. [1.1] MISHRA, Sandeep - SHUKLA, Chitra - PATHAK, Anirban - SRIKANTH, R. - VENUGOPALAN, Anu. An Integrated Hierarchical Dynamic Quantum Secret Sharing Protocol. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2015, vol. 54, no. 9, pp. 3143., WOS
61. [1.1] MISHRA, Utkarsh - SEN(DE), Aditi - SEN, Ujjwal. Local decoherence-resistant quantum states of large systems. In PHYSICS LETTERS A. ISSN 0375-9601, 2015, vol. 379, no. 4, pp. 261., WOS
62. [1.1] MONTEIRO, F. et al. Revealing genuine optical-path entanglement. In PHYSICAL REVIEW LETTERS, 2015, vol. 117, 170504., WOS
63. [1.1] MORIGI, Giovanna - ESCHNER, Juergen - CORMICK, Cecilia - LIN, Yiheng - LEIBFRIED, Dietrich - WINELAND, David J. Dissipative Quantum Control of a Spin Chain. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 115, no. 20, 200502., WOS
64. [1.1] NANDI, Kaushik - PAUL, Goutam. QUANTUM INFORMATION SPLITTING USING A PAIR OF GHZ STATES. In QUANTUM INFORMATION & COMPUTATION. ISSN 1533-7146, 2015, vol. 15, no. 11-12, pp. 1041., WOS
65. [1.1] NASERI, M. et al. A scheme for secure quantum communication

network. In QUANTUM INFORMATION PROCESSING, 2015, vol. 14, p. 4279-4295., WOS
66. [1.1] PENG, Jia-Yin - BAI, Ming-Qiang - MO, Zhi-Wen. Bidirectional controlled joint remote state preparation. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2015, vol. 14, no. 11, pp. 4263., WOS
67. [1.1] PIRANDOLA, S. - EISERT, J. - WEEDBROOK, C. - FURUSAWA, A. - BRAUNSTEIN, S. L. Advances in quantum teleportation. In NATURE PHOTONICS. ISSN 1749-4885, 2015, vol. 9, no. 10, pp. 641., WOS
68. [1.1] QIN, Hua Wang- DAI, Yue Wei. An efficient multiparty quantum-state sharing scheme. In CHINESE PHYSICS LETTERS, 2015, vol. 32, no. 10, 100301., WOS
69. [1.1] QIN, Huawang - DAI, Yuewei. Proactive quantum secret sharing. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2015, vol. 14, no. 11, pp. 4237., WOS
70. [1.1] QIN, Huawang - ZHU, Xiaohua - DAI, Yuewei. (t, n) Threshold quantum secret sharing using the phase shift operation. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2015, vol. 14, no. 8, pp. 2997., WOS
71. [1.1] QIN, Huawang - ZHU, Xiaohua - DAI, Yuewei. A proactive quantum secret sharing scheme based on GHZ state. In MODERN PHYSICS LETTERS B. ISSN 0217-9849, 2015, vol. 29, no. 27, 1550165., WOS
72. [1.1] RAHAMAN, Ramij - PARKER, Matthew G. Quantum scheme for secret sharing based on local distinguishability. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 91, no. 2, 022330., WOS
73. [1.1] REN BAO-CANG - DENG FU-GUO. Hyper-parallel photonic quantum computation and manipulation on hyperentangled states. In ACTA PHYSICA SINICA. ISSN 1000-3290, 2015, vol. 64, no. 16, 160303., WOS
74. [1.1] REN, Bao-Cang - LONG, Gui Lu. Highly efficient hyperentanglement concentration with two steps assisted by quantum swap gates. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2015, vol. 5, 16444., WOS
75. [1.1] REN, Xingtian - WANG, Yong - DAI, Guiping. A Quantum Single Sign-On Protocol Based on GHZ States. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2015, vol. 54, no. 10, pp. 3733., WOS
76. [1.1] ROY, Arup - MUKHERJEE, Amit - BHATTACHARYA, Some Sankar - BANIK, Manik - DAS, Subhadipa. Local deterministic simulation of equatorial Von Neumann measurements on tripartite GHZ state. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2015, vol. 14, no. 1, pp. 217., WOS
77. [1.1] SAZIM, S. - CHIRANJEEVI, V. - CHAKRABARTY, I. - SRINATHAN, K. Retrieving and routing quantum information in a quantum network. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2015, vol. 14, no. 12, pp. 4651., WOS
78. [1.1] SHAN, Wu-Jiang - CHEN, Ye-Hong - XIA, Yan - SONG, Jie. One-step deterministic generation of N-atom Greenberger-Horne-Zeilinger states in separate coupled cavities via quantum Zeno dynamics. In JOURNAL OF MODERN OPTICS. ISSN 0950-0340, 2015, vol. 62, no. 19, pp. 1591., WOS
79. [1.1] SHARMA, Vishal - SHUKLA, Chitra - BANERJEE, Subhashish - PATHAK, Anirban. Controlled bidirectional remote state preparation in noisy environment: a generalized view. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2015, vol. 14, no. 9, pp. 3441., WOS
80. [1.1] SHENG, YuBO et al. Efficient N-particle W state concentration. In SCIENCE CHINA-PHYSICS MECHANICS a. ASTRONOMY, 2015, vol. 58, no. 6,

060301., WOS
81. [1.1] SHI, Ronghua - LIU, Shaorong - WANG, Shuo - GUO, Ying. Deterministic Polarization Entanglement Purification of chi-type entangled states in Multiple Degrees of Freedom. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2015, vol. 54, no. 2, pp. 358., WOS
82. [1.1] SIDDHU,Vikesh. Quantum private comparison over noisy channels. In QUANTUM INFORMATION PROCESSING, 2015, vol. 14, p. 3005-3017., WOS
83. [1.1] SMITH, A. M. - EVANS, P. G. - LAWRIE, B. - LEGRE, M. - LOUGOVSKI, P. - RAY, W. - WILLIAMS, B. P. - QI, B. - GRICE, W. P. Secret Key Generation via a Modified Quantum Secret Sharing Protocol. In QUANTUM INFORMATION AND COMPUTATION XIII. ISSN 0277-786X, 2015, vol. 9500, 950008., WOS
84. [1.1] SUN, Zhiwei - YU, Jianping - WANG, Ping - XU, Lingling - WU, Chunhui. Quantum private comparison with a malicious third party. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2015, vol. 14, no. 6, pp. 2125., WOS
85. [1.1] TAVAKOLI, A. et al. Secret sharing. In PHYSICL REVIEW A, 2015, vol. 92, 030302., WOS
86. [1.1] THAPLIYAL, K. A general method for selecting quantum channel. In QUANTUM INFORMATION PROCESSING, 2015, vol. 14, p. 4601-4614., WOS
87. [1.1] THAPLIYAL, Kishore - PATHAK, Anirban. Applications of quantum cryptographic switch: various tasks related to controlled quantum communication can be performed using Bell states and permutation of particles. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2015, vol. 14, no. 7, pp. 2599., WOS
88. [1.1] THILAGAM, A. Natural light harvesting systems: unraveling the quantum puzzles. In JOURNAL OF MATHEMATICAL CHEMISTRY. ISSN 0259-9791, 2015, vol. 53, no. 2, pp. 466., WOS
89. [1.1] WANG, Dong et al. Generalized remote preparation. In ENTROPY, 2015, vol. 17, p. 1755-1774., WOS
90. [1.1] WANG, Hong - LU, Lu-Cong - DENG, Fu-Guo. Efficient Generation of Quantum Cluster Entangled States for Distant Diamond Nitrogen-Vacancy Centers. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2015, vol. 54, no. 3, pp. 840., WOS
91. [1.1] WANG, M. - GONG, Q. H. - FICEK, Z. - HE, Q. Y. Efficient Scheme for Perfect Collective Einstein-Podolsky-Rosen Steering. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2015, vol. 5, 12346., WOS
92. [1.1] WANG, Mei-Jiao et al. Protecting quantum entanglement. In ACTA PHYSICA SINICA, 2015, vol. 64, 240303., WOS
93. [1.1] WANG, Meng - XIANG, Yu - HE, Qingyi - GONG, Qihuang. Asymmetric quantum network based on multipartite Einstein-Podolsky-Rosen steering. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS. ISSN 0740-3224, 2015, vol. 32, no. 4, pp. A20., WOS
94. [1.1] WANG, Meng et al. Detection of quantum steering. In PHYSICAL REVIEW A, 2015, vol. 91, 012112., WOS
95. [1.1] WANG, Ming-Ming et al. Secret sharing. In QUANTUM INFORMATION PROCESSING, 2015, vol. 14, p. 4211-4224., WOS
96. [1.1] WANG, Tie-Jun - WANG, Chuan. High-efficient entanglement distillation from photon loss and decoherence. In OPTICS EXPRESS. ISSN 1094-4087, 2015, vol. 23, no. 24, pp. 31550., WOS
97. [1.1] WANG, Tie-Jun et al. One-step hyperentanglement purification. In OPTICS EXPRESS, 2015, vol. 23, p. 9284-9294., WOS

98. [1.1] WANG, Xin-Wen et al. Manipulation of tripartite-to-bipartite entanglement localization. In JOURNAL OF PHYSICS B, 2015, vol. 48, 025502., WOS
99. [1.1] WANG, Yong. A four-state entanglement. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2015, vol. 54, p. 2031-2037., WOS
100. [1.1] WANG, Yu-kun - ZHANG, Jie - HUANG, Wei - ZHANG, Jia-li - SUN, Ying. A Quantum Private Comparison Protocol with Splitting Information Carriers. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2015, vol. 54, no. 1, pp. 281., WOS
101. [1.1] WANG, Zhiqiang - HUANG, Caojun - TAN, Feng. Quantum Information Splitting of a Three-Qubit GHZ State via Maximally Entangled States. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2015, vol. 54, no. 7, pp. 2453., WOS
102. [1.1] WEI, Yu-zhen - JIANG, Min. Multi-qudit state sharing via various high-dimensional Bell channels. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2015, vol. 14, no. 3, pp. 1091., WOS
103. [1.1] WU, Linsen - CHEN, Yuhua. Three-Stage Quantum Cryptography Protocol under Collective-Rotation Noise. In ENTROPY. ISSN 1099-4300, 2015, vol. 17, no. 5, pp. 2919., WOS
104. [1.1] XIANG, Y. - SUN, F. X. - WANG, M. - GONG, Q. H. - HE, Q. Y. Detection of genuine tripartite entanglement and steering in hybrid optomechanics. In OPTICS EXPRESS. ISSN 1094-4087, 2015, vol. 23, no. 23, pp. 30104., WOS
105. [1.1] XIE, Ch. et al. Probabilistic three-party sharing. In ENTROPY, 2015, vol. 17, p. 841-851., WOS
106. [1.1] XIE, Chen - LI, Lvzhou - QIU, Daowen. A Novel Semi-Quantum Secret Sharing Scheme of Specific Bits. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2015, vol. 54, no. 10, pp. 3819., WOS
107. [1.1] XIE, Chuanmei - LIU, Yimin - XING, Hang - CHEN, Jianlan - ZHANG, Zhanjun. Quantum correlation swapping. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2015, vol. 14, no. 2, pp. 653., WOS
108. [1.1] XIONG, Kuangwei - ZHAO, Yan - LIAO, Yanlin - ZHANG, Wen. Preparation of Six-photon Cluster State and Quantum State Sharing of Unknown Two-photon State Based on Weak Cross-Kerr Nonlinearity. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2015, vol. 54, no. 9, pp. 3203., WOS
109. [1.1] YANG, Fan - YANG, Guowu - HAO, Yujie - LUO, Qingbin - WANG, Yuqi. Security analysis of multi-party quantum private comparison protocol by model checking. In MODERN PHYSICS LETTERS B. ISSN 0217-9849, 2015, vol. 29, no. 18, 1550089., WOS
110. [1.1] YANG, Y.-H. et al. Quantum secret sharing via local operations. In SCIENTIFIC REPORTS, 2015, vol. 5, 16967., WOS
111. [1.1] YU, Xin-Yu - ZHAO, Hui. Separability of Tripartite Quantum States with Strong Positive Partial Transposes. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2015, vol. 54, no. 1, pp. 292., WOS
112. [1.1] Ye Tian Yu. Fault tolerant channel. In SCIENCE CHINA-PHYSICS MECHANICS a. ASTRONOMY, 2015, vol. 58,M 040301., WOS
113. [1.1] ZANG, Xue-Ping - YANG, Ming - WANG, Xian-Cai - SONG, Wei - CAO, Zhuo-Liang. Fusion of W states in a cavity quantum electrodynamic system. In CANADIAN JOURNAL OF PHYSICS. ISSN 0008-4204, 2015, vol. 93, no. 5, pp. 556., WOS

114. [1.1] ZENG, Zhi - WANG, Chun - LI, Xi Han - WEI, Hua. Deterministic arbitrary multi-photon entanglement sharing via noisy channels. In LASER PHYSICS LETTERS. ISSN 1612-2011, 2015, vol. 12, no. 1, 015201., WOS
115. [1.1] ZHANG, Bo - LIU, Xingtong - WANG, Jian - TANG, Chaojing. Cryptanalysis and improvement of quantum private comparison of equality protocol without a third party. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2015, vol. 14, no. 12, pp. 4593., WOS
116. [1.1] ZHANG, Cai - SUN, Zhi-Wei - HUANG, Xiang - LONG, Dong-Yang. Three-party quantum summation without a trusted third party. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION. ISSN 0219-7499, 2015, vol. 13, no. 2, 1550011., WOS
117. [1.1] ZHANG, J. Advances in InGaAs/InP single-photon detector systems. In LIGHT-SCIENCE a. APPLICATIONS, 2015, vol. 4, e286., WOS
118. [1.1] ZHANG, Ke-Jia - JIA, Heng-Yue. Cryptanalysis of a Quantum Proxy Weak Blind Signature Scheme. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2015, vol. 54, no. 2, pp. 582., WOS
119. [1.1] ZHAO, B. et al. An efficient scheme. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 2015, vol. 54, p. 2977-2990., WOS
120. [1.1] ZHAO, G. Quantum secure communication protocol. In INTERNATIONAL JOURNAL OF SECURITY AND ITS APPLICATIONS, 2015, vol. 9, p. 267-274., WOS
121. [1.1] ZHAO, Zhisheng - GUO, Ying - SHI, Ronghua - HUANG, Dazu. Deterministic Polarization Entanglement Purification of Cluster State in Multiple Degrees of Freedom. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2015, vol. 54, no. 4, pp. 1184., WOS
122. [1.1] ZHOU, Lin - LIU, Zhong-min. Quantum Splitting an Arbitrary Two-Atom State with a Six-Atom Entangled State in Cavity QED. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2015, vol. 54, no. 7, pp. 2131., WOS
123. [1.1] ZHU, Meng-Zheng - YE, Liu. Efficient entanglement purification for Greenberger-Horne-Zeilinger states via the distributed parity-check detector. In OPTICS COMMUNICATIONS. ISSN 0030-4018, 2015, vol. 334, no., pp. 51., WOS

ADCA307 HILLERY, M. - ZIMAN, Mário - BUŽEK, Vladimír. Approximate programmable quantum processors. In Physical Review A, 2006, vol. 73, no. 2, 022345. (2006 - Current Contents, SCOPUS). ISSN 1050-2947.

Citácie:

1. [1.1] HEINOSAARI, Teiko - TUKIAINEN, Mikko. Notes on deterministic programming of quantum observables and channels. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2015, vol. 14, no. 8, pp. 3097., WOS

ADCA308 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. ISSN 0375-9601.

Citácie:

1. [1.1] WANG, Qing-Le - FEI-GAO - LIU, Bin - SONG, Ting-Ting - WEN, Qiao-Yan. Anonymous quantum communications using the quantum one-time pad. In PHYSICA SCRIPTA. ISSN 0031-8949, 2015, vol. 90, no. 1, 015102., WOS
2. [1.1] WANG, Qing-le - ZHANG, Ke-jia. Security analysis and improvement of the dining cryptographer problem-based anonymous quantum communication via non-maximally entanglement state analysis. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2015, vol. 54, no. 1, pp. 106., WOS

3. [1.1] ZHANG, Cai - SUN, Zhi-Wei - HUANG, Xiang - LONG, Dong-Yang. Three-party quantum summation without a trusted third party. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION. ISSN 0219-7499, 2015, vol. 13, no. 2, 1550011., WOS

ADCA309 HILLERY, M. - ZIMAN, Mário - BUŽEK, Vladimír. Implementation of quantum maps by programmable quantum processors. In Physical Review A, 2002, vol. 66, p. 042302. ISSN 1050-2947.

Citácie:

1. [1.1] SWEKE, Ryan - SINAYSKIY, Ilya - BERNARD, Denis - PETRUCCIONE, Francesco. Universal simulation of Markovian open quantum systems. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 91, no. 6, 062308., WOS

ADCA310 HILLERY, M. - BUŽEK, Vladimír - ZIMAN, Mário. Programmable quantum gate arrays. In Fortschritte der Physik, 2001, vol. 49, p. 987-992. ISSN 0015-8208.

Citácie:

1. [1.1] HEINOSAARI, Teiko - TUKIAINEN, Mikko. Notes on deterministic programming of quantum observables and channels. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2015, vol. 14, no. 8, pp. 3097., WOS

ADCA311 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.

Citácie:

1. [1.1] KUZMAK, A. R. - TKACHUK, V. M. The quantum brachistochrone problem for an arbitrary spin in a magnetic field. In PHYSICS LETTERS A. ISSN 0375-9601, 2015, vol. 379, no. 18-19, pp. 1233., WOS

2. [1.1] LEMR, Karel - BARTKIEWICZ, Karol - CERNOCH, Antonin. Scheme for a linear-optical controlled-phase gate with programmable phase shift. In JOURNAL OF OPTICS. ISSN 2040-8978, 2015, vol. 17, no. 12, 125202., WOS

3. [1.1] PEREZ-DELGADO, Carlos A. - FITZSIMONS, Joseph F. Iterated Gate Teleportation and Blind Quantum Computation. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 114, no. 22, 220502., WOS

ADCA312 HLADKY, B. - DROBNÝ, Gabriel - BUŽEK, Vladimír. Quantum Synthesis of Arbitrary Unitary Operators. In Physical Review A, 2000, vol. 61, no. 2, 022102. (2000 - Current Contents). ISSN 1050-2947.

Citácie:

1. [1.1] LUO, Ming-Xing - MA, Song-Ya - DENG, Yun - WANG, Xiaojun. Deterministic generations of quantum state with no more than six qubits. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2015, vol. 14, no. 3, pp. 901., WOS

ADCA313 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] AHMED, Saad M. Saleh - YAHAYA, Redzuwan - RADIMAN, Shahidan - YASIR, Muhamad Samudi - ABU KASSIM, Hasan - KHANDAKER, Mayeen Uddin. Analytic view at alpha clustering in even-even heavy nuclei near magic numbers 82 and 126. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2015, vol. 51, no. 2, 13., WOS

2. [1.1] BEREZHNOY, Yu. A. - MIKHAILYUK, V. P. - PILIPENKO, V. V. Intermediate energy multiple scattering of particles by light alpha-cluster nuclei. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS. ISSN 0218-3013, 2015, vol. 24, no. 4, 1530004., WOS

3. [1.1] DENG, Daming - REN, Zhongzhou - NI, Dongdong - QIAN, Yibin.

Realistic alpha preformation factors of odd-A and odd-odd nuclei within the cluster-formation model. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2015, vol. 42, no. 7, 075106., WOS
4. [1.1] FOTIADES, N. - DEVLIN, M. - HAIGHT, R. C. - NELSON, R. O. - KUNIEDA, S. - KAWANO, T. alpha and 2p2n emission in fast neutron-induced reactions on Ni-60. In PHYSICAL REVIEW C. ISSN 2469-9985, 2015, vol. 91, no. 6, 064614., WOS
5. [1.1] GUO, Shuqing - BAO, Xiaojun - GAO, Yuan - LI, Junqing - ZHANG, Hongfei. The nuclear deformation and the preformation factor in the alpha-decay of heavy and superheavy nuclei. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2015, vol. 934, pp. 110., WOS
6. [1.1] ISMAIL, M. - SEIF, W. M. - ELLITHI, A. Y. - ABDURRAHMAN, A. Single universal curve for alpha decay derived from semi-microscopic calculations. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 92, no. 1, 014311., WOS
7. [1.1] NI, Dongdong - REN, Zhongzhou. Effects of differences between neutron and proton density distributions on alpha-decay half-lives. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 92, no. 5, 054322., WOS
8. [1.1] NI, Dongdong - REN, Zhongzhou. Systematic research on alpha-decay rates of spherical and deformed nuclei. In ANNALS OF PHYSICS. ISSN 0003-4916, 2015, vol. 358, pp. 108., WOS
9. [1.1] SEIF, W. M. Nucleon pairing correlations and the alpha cluster preformation probability inside heavy and superheavy nuclei. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 91, no. 1, 014322., WOS
10. [1.1] SOYLU, A. - BAYRAK, O. alpha-alpha folding cluster model for alpha-radioactivity. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2015, vol. 51, no. 4, 46., WOS
11. [1.1] SOYLU, A. - EVLICE, S. Deformation effects on cluster decays of radium isotopes. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2015, vol. 936, pp. 59., WOS
12. [1.1] WANG, Y. Z. - WANG, S. J. - HOU, Z. Y. - GU, J. Z. Systematic study of alpha-decay energies and half-lives of superheavy nuclei. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 92, no. 6, 064301., WOS
13. [1.1] WANG, Z. Y. - NIU, Z. M. - LIU, Q. - GUO, J. Y. Systematic calculations of alpha-decay half-lives with an improved empirical formula. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2015, vol. 42, no. 5, 055112., WOS

ADCA314 HOLLWIESER, R. - FABER, M. - GREENSITE, J. - HELLER, U.M. - OLEJNÍK, Štefan. Center vortices and the Dirac spectrum. In Physical Review D, 2008, vol. 78, 054508. ISSN 1550-7998.

Citácie:
1. [1.1] TREWARTHA, Daniel - KAMLEH, Waseem - LEINWEBER, Derek. Connection between center vortices and instantons through gauge-field smoothing. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 7, 074507., WOS
2. [1.1] TREWARTHA, Daniel - KAMLEH, Waseem - LEINWEBER, Derek. Evidence that centre vortices underpin dynamical chiral symmetry breaking in SU(3) gauge theory. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 747, pp. 373-377., WOS

ADCA315 HOMOLOVÁ, Viera - JANOVEC, Jozef - KUSÝ, M. - MORAVČÍK, Roman - ILLEKOVÁ, Emília - GRGAČ, Peter. Phase transformations and equilibria in Ledeburite type Ch3F12 and Ch12MF4 tool alloys. In Canadian Metallurgical Quarterly, 2003, vol. 42, no. 1, p. 89-96.

Citácie:
1. [1.1] BEHÚLOVÁ, M. - MESÁROŠOVÁ, J. - GRGAČ, P. Analysis of the influence of the gas velocity, particle size and nucleation temperature on the thermal history and microstructure development in the tool steel during atomization. In Journal of Alloys and Compounds. ISSN 09258388, 2015-01-15, 615, s1, pp. S217-S223., WOS

ADCA316 HORVÁTHOVÁ, Lucia - DUBECKÝ, Matúš - MITÁŠ, L. - ŠTICH, Ivan. Quantum Monte Carlo study of pí-bonded transition metal organometallics: Neutral and cationic vanadium-benzene and cobalt-benzene half sandwiches. In Journal of Chemical Theory and Computation, 2013, vol. 9, no. 1, p. 390-400. (5.389 - IF2012). (2013 - Current Contents). ISSN 1549-9618.

Citácie:
1. [1.1] HONGO, Kenta - WATSON, Mark A. - IITAKA, Toshiaki - ASPURU-GUZIK, Alan - MAEZONO, Ryo. Diffusion Monte Carlo Study of Para-Diiodobenzene Polymorphism Revisited. In JOURNAL OF CHEMICAL THEORY AND COMPUTATION. ISSN 1549-9618, 2015, vol. 11, no. 3, pp. 907., WOS
2. [1.1] SILKOWSKI, Michal - LESIUK, Michal - MOSZYNSKI, Robert. Calculation of the molecular integrals with the range-separated correlation factor. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2015, vol. 142, no. 12, 124102., WOS
3. [1.1] STELLA, Martina - BENNIE, Simon J. - MANBY, Frederick R. Computational study of adsorption of cobalt on benzene and coronene. In MOLECULAR PHYSICS. ISSN 0026-8976, 2015, vol. 113, no. 13-14, pp. 1858., WOS

ADCA317 HORVÁTHOVÁ, Lucia - DERIAN, René - MITÁŠ, L. - ŠTICH, Ivan. Quantum Monte Carlo study of one-dimensional transition-metal organometallic cluster systems and their suitability as spin filters. In Physical Review B, 2014, vol. 90, 115414. (3.664 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 1550-235X.

Citácie:
1. [1.1] ISUPOVA, G. G. - MALYSHEV, A. I. Open quantum billiard in a magnetic field: A perfect spin filter. In JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS. ISSN 1063-7761, 2015, vol. 121, no. 4, pp. 680-685., WOS

ADCA318 HOŠKO, Jozef - JANOTOVÁ, Irena - ŠVEC, Peter Jr. - MAŤKO, Igor - JANIČKOVIČ, Dušan - ŠVEC, Peter. Structure analysis of CoFeBSiNb(Ga) pseudobulk metallic glasses. In Applied Surface Science, 2013, vol. 269, p. 77-80. (2.112 - IF2012). (2013 - Current Contents, WOS, SCOPUS). ISSN 0169-4332.

Citácie:
1. [1.1] HITIT, Aytekin - GECGIN, Merve - OZTURK, Pelin. Effect of Annealing on Microstructure and Microhardness of Co-Fe-Ni-Ta-B-Si Bulk Metallic Glass. In JOURNAL OF MATERIALS SCIENCE & TECHNOLOGY. ISSN 1005-0302, 2015, vol. 31, no. 2, pp. 148-152., WOS

ADCA319 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.

Citácie:
1. [1.1] BELYSHEV, S. S. - DZHILAVYAN, L. Z. - ISHKHANOV, B. S. - KAPITONOV, I. M. - KUZNETSOV, A. A. - ORLIN, V. N. - STOPANI, K. A. Photonuclear reactions on titanium isotopes. In PHYSICS OF ATOMIC NUCLEI. ISSN 1063-7788, 2015, vol. 78, no. 2, pp. 220., WOS

2. [1.1] BLUEMER, J. Production Yield of Muon-Neutrons in Lead. In Springer Theses-Recognizing Outstanding PhD Research, 2015, pp. 77-150., WOS
3. [1.1] ISHKHANOV, B. S. - ORLIN, V. N. Modified Version of the Combined Model of Photonucleon Reactions. In PHYSICS OF ATOMIC NUCLEI. ISSN 1063-7788, 2015, vol. 78, no. 5, pp. 557., WOS
4. [1.1] KYE, Yong-Uk - SHIN, Sung-Gyun - CHO, Moo-Hyun - KIM, Kyung Sook - NAMKUNG, Won - KIM, Guinyun - KIM, Kwangsoo - KANG, Yeong-Rok - LEE, Man-Woo - YANG, Sung-Chul - DO NGUYEN, Van - PHAM, Duc Khue - KIM, Tien Thanh - NAIK, Haladhara. Measurement of isomeric yield ratios of Pt-197m,Pt-g and Ir-190m2,Ir-g+m1 from the Pt-198(gamma,n) and Pt-nat(gamma,xn1p) reactions induced by 55-, 60-, and 65-MeV bremsstrahlung. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS. ISSN 0168-583X, 2015, vol. 351, no., pp. 35., WOS
5. [1.1] WEISS, Ronen - BAZAK, Betzalel - BARNEA, Nir. Nuclear Neutron-Proton Contact and the Photoabsorption Cross Section. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 114, no. 1, 012501., WOS

ADCA320 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.

Citácie:

1. [1.1] LI, Juan - ZHANG, Zhengjun - HAN, Yinlu. Calculation and Evaluation of Energy Spectra and Double-Differential Cross Sections for p+Zr-90 Reactions up to 200 MeV. In NUCLEAR SCIENCE AND ENGINEERING. ISSN 0029-5639, 2015, vol. 179, no. 2, pp. 164., WOS
2. [1.1] SU, Xinwu - HAN, Yinlu - CAI, Chonghai. Theoretical calculations of n+Th-232 reaction for energies up to 150 MeV. In ANNALS OF NUCLEAR ENERGY. ISSN 0306-4549, 2015, vol. 76, no., pp. 469., WOS
3. [1.2] SU, Xinwu - ZHANG, Zhengjun - HAN, Yinlu. Calculations and evaluations of n + <sup˘, 115, nat.</sup> in reactions up to 200 MeV. In Nuclear Science and Engineering. ISSN 00295639, 2015-11-01, 181, 3, pp. 272-288., SCOPUS

ADCA321 CHIANG, C.F. - NAGAJ, Daniel - WOCJAN, P. Efficient circuits for quantum walks. In Quantum Information and Computation, 2010, vol. 10, no. 5-6, p. 420-434. (2.980 - IF2009). (2010 - Current Contents). ISSN 1533-7146.

Citácie:

1. [1.1] DALE, Howard - JENNINGS, David - RUDOLPH, Terry. Provable quantum advantage in randomness processing. In NATURE COMMUNICATIONS. ISSN 2041-1723, 2015, vol. 6, 8023., WOS
2. [1.1] MONTANARO, Ashley. Quantum speedup of Monte Carlo methods. In PROCEEDINGS OF THE ROYAL SOCIETY A-MATHEMATICAL PHYSICAL AND ENGINEERING SCIENCES. ISSN 1364-5021, 2015, vol. 471, no. 2181, 20150301., WOS

ADCA322 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. (1.393 - IF2014). (2015 - Current Contents). ISSN 1533-7146.

Citácie:

1. [1.1] BAO, Ning - HAYDEN, Patrick - SALTON, Grant - THOMAS, Nathaniel. Universal quantum computation by scattering in the Fermi-Hubbard model. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2015, vol. 17, 093028., WOS

ADCA323 CHITU, L. - JERGEL, Matej - MAJKOVÁ, Eva - LUBY, Štefan - CAPEK, Ignác - SATKA, A. - IVAN, Jozef - KOVÁČ, Jozef - TIMKO, Milan. Structure and

magnetic properties of CoFe2O4 and Fe3O4 nanoparticles. In Materials Science and Engineering C - Biomimetic and Supramolecular Systems, 2007, vol. 27, no. 5-8, p. 1415-1417. (1.325 - IF2006). (2007 - Current Contents, WOS, SCOPUS). ISSN 0928-4931.(EMRS 2006 : Symposium A: Current Trends in Nanoscience – from Materials to Applications).

Citácie:

1. [1.1] TORRES, T.E. - LIMA, E. - MAYORAL, A. - IBARRA, A. - MARQUINA, C. - IBARRA, M.R. - GOYA, G.F. Validity of the Neel-Arrhenius model for highly anisotropic CoxFe3-xO4 nanoparticles. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, NOV 14 2015, vol. 118, no. 18., WOS

ADCA324 CHITU, Lívia - LUBY, Štefan - MAJKOVÁ, Eva - HRKÚT, Pavol - MATAY, Ladislav - KOSTIČ, Ivan - SATKA, A. Assembling of nanoparticle arrays using microelectromagnetic matrix. In Superlattices and Microstructures, 2008, vol. 44, iss. 4-5, p. 528-532. (1.340 - IF2007). ISSN 0749-6036.

Citácie:

1. [9] ZLENKO, V.O. Strukturni charakteristiki i magnitooptični vlastivosti masiviv nanočastinok Co i Ni, otrimanich metodom termodislergubannija. PhD Thesis, Ministerstvo osviti i nauki, Ukraini sumskij deržavnich universitet. 2014, 167 p., Google Scholar

ADCA325 CHITU, Lívia - ŠIFFALOVIČ, Peter - MAJKOVÁ, Eva - JERGEL, Matej - VÉGSO, Karol - LUBY, Štefan - CAPEK, Ignác - SATKA, A. - PERLICH, J. - TIMMANN, A. - ROTH, S.V. - KECKES, J. - MAIER, G.A. Modified Langmuir-Blodgett deposition of nanoparticles-measurement of 2D to 3D ordered arrays. In Measurement Science Review, 2010, vol. 10, no. 5, p. 162-165. (2010 - WOS, Scopus, Copernicus International). ISSN 1335-8871.

Citácie:

1. [1.1] ANTONOV, P.V.-ZUIDDAM, M.R.-FRENKEN, J.W.M. Fabrication of high-aspect ratio silicon nanopillars for tribological experiments. In JOURNAL MICRO/NANOLITHOGRAPHY, 2015, vol. 14, 044506., WOS

2. [1.1] NG, S.A. - RAZAK, K.A. - CHEONG, K.Y. - AW, K.C. Growth of gold nanoparticles using aluminum template via low-temperature hydrothermal method for memory applications. In JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS. ISSN 0957-4522, SEP 2015, vol. 26, no. 9, p. 6484-6494., WOS

3. [1.1] PEREZ-MAYEN, L. - OLIVA, J. - TORRES-CASTRO, A. - DE LA ROSA, E. SERS substrates fabricated with star-like gold nanoparticles for zeptomole detection of analytes. In NANOSCALE. ISSN 2040-3364, 2015, vol. 7, no. 22, p. 10249-10258., WOS

ADCA326 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. (2.572 - IF2009). (2010 - Current Contents). ISSN 0031-9015.

Citácie:

1. [1.1] BENEDETTI, Dario. Critical behavior in spherical and hyperbolic spaces. In JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT. ISSN 1742-5468, 2015, P01002., WOS

ADCA327 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. (0.852 - IF1996). (1997 - Current Contents, WOS, SCOPUS). ISSN 0921-5093.

Citácie:

1. [1.1] GU, Bin - LIU, Feng - JIANG, Yihui. Crystallization acceleration of

amorphous Fe40Ni40P14B6 alloy by fluxing technique. In PHILOSOPHICAL MAGAZINE LETTERS. ISSN 0950-0839, 2015, vol. 95, no. 3, pp. 168-176., WOS

ADCA328 ILLEKOVÁ, Emília - ŠVEC, Peter - MIGLIERINI, M. Thermokinetic analysis of the multistep crystallizaton of a NANOPERM-type ribbon. In Journal of Non-Crystalline Solids, 2007, vol. 353, no. 32-40, p. 3342-3347. (1.362 - IF2006). (2007 - Current Contents, SCOPUS). ISSN 0022-3093.

Citácie:

1. [1.1] YU, W.Q. et al. The effect of high Co addition. In ACTA PHYSICA POLONICA A, 2015, vol. 128, no. 3, pp. 340-342., WOS

ADCA329 ILLEKOVÁ, Emília - ABA, B. - KUHNAST, F.A. Measurements of accurate specific-heats of metallic glasses by differential scanning calorimetry (DSC). In Thermochimica Acta, 1992, vol. 195, p. 195-209. (0.620 - IF1991). (1992 - Current Contents). ISSN 0040-6031.

Citácie:

1. [1.1] DELOBELLE, V. - FAVIER, D. - LOUCHE, H. - CONNESSON, N. Determination of Local Thermophysical Properties and Heat of Transition from Thermal Fields Measurement During Drop Calorimetric Experiment. In EXPERIMENTAL MECHANICS. ISSN 0014-4851, 2015, vol. 55, no. 4, pp. 711., WOS

ADCA330 ILLEKOVÁ, Emília - HARNÚŠKOVÁ, Jana - FLOREK, Roman - SIMANČÍK, František - MAŤKO, Igor - ŠVEC, Peter. Peculiarities of TiH2 decomposition. In Journal of Thermal Analysis and Calorimetry, 2011, vol. 105, p. 583-590. (1.752 - IF2010). (2011 - Current Contents). ISSN 1388-6150.

Citácie:

1. [1.1] BASSANI, P. - BASSANI, E. - CODURI, M. - GIULIANI, P. - TUISSI, A. - ZANOTTI, C. Influence of TiHX addition on SHS porous shape memory alloy. In MATERIALS TODAY-PROCEEDINGS. ISSN 2214-7853, 2015, vol. 2, pp. 715-718., WOS

2. [1.1] MA, Mingwang - LIANG, Li - WANG, Lei - WANG, Yuan - CHENG, Yanlin - TANG, Binghua - XIANG, Wei - TAN, Xiaohua. Phase transformations of titanium hydride in thermal desorption process with different heating rates. In INTERNATIONAL JOURNAL OF HYDROGEN ENERGY. ISSN 0360-3199, 2015, vol. 40, no. 29, pp. 8926., WOS

3. [1.1] YOSHIMATSU, Kohei - SUZUKI, Takayuki - TSUCHIMINE, Nobuo - HORIBA, Koji - KUMIGASHIRA, Hiroshi - OSHIMA, Takayoshi - OHTOMO, Akira. Direct growth of metallic TiH2 thin films by pulsed laser deposition. In APPLIED PHYSICS EXPRESS. ISSN 1882-0778, 2015, vol. 8, no. 3, 035801., WOS

4. [1.1] YOUNG, Gregory - JIAN, Guoqiang - JACOB, Rohit - ZACHARIAH, Michael R. DECOMPOSITION AND IGNITION CHARACTERISTICS OF TITANIUM HYDRIDE AT HIGH HEATING RATES. In COMBUSTION SCIENCE AND TECHNOLOGY. ISSN 0010-2202, 2015, vol. 187, no. 8, pp. 1182., WOS

ADCA331 ILLEKOVÁ, Emília - DUHAJ, Pavol - MRAFKO, Peter - ŠVEC, Peter. Influence of Pd on crystallization of Al-Ni-Sm-based ribbons. In Journal of Alloys and Compounds, 2009, vol. 483, no. 1-2, p. 20-23. (1.510 - IF2008). (2009 - Current Contents, WOS, SCOPUS). ISSN 0925-8388.

Citácie:

1. [1.1] ANGHELUS, Adrian - AVETTAND-FENOEL, Marie-Noelle - CORDIER, Catherine - TAILLARD, Roland. Thermal crystallization of an Al88Ni6Sm6 metallic glass. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2015, vol. 651, pp. 454-464., WOS

2. [1.1] JIANG, Yi-Hui - LIU, Feng - HUANG, Kai - LIANG, Shu-Hua. Applying Vogel-Fulcher-Tammann relationship in crystallization kinetics of amorphous alloys. In THERMOCHIMICA ACTA. ISSN 0040-6031, 2015, vol. 607, pp. 9-18., WOS

ADCA332 ILLEKOVÁ, Emília - MAŤKO, Igor - ŠVEC, Peter - ŠVEC, Peter Jr. - JANIČKOVIČ, Dušan. The crystallization behavior of amorphous Fe-Sn-B ribbons. In Journal of Alloys and Compounds, 2011, vol. 509S, s46-S51. (2.138 - IF2010). (2011 - Current Contents). ISSN 0925-8388.

Citácie:

1. [1.1] YANG, X. Y. - YANG, B. - LI, X. P. - CAO, Y. - YU, R. H. Structural-controlled chemical synthesis of nanosized amorphous Fe particles and their improved performances. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2015, vol. 651, pp. 551-556., WOS

ADCA333 ILLEKOVÁ, Emília - JANIČKOVIČ, Dušan - MIGLIERINI, Marcel - ŠKORVÁNEK, Ivan - ŠVEC, Peter. Influence of Fe/B ratio on thermodynamic properties of amorphous Fe-Mo-Cu-B. In Journal of Magnetism and Magnetic Materials, 2006, vol. 304, no. 2, p. e636-e638. (0.985 - IF2005). (2006 - Current Contents, WOS, SCOPUS). ISSN 0304-8853.(SMM 17 : Soft Magnetic Materials Conference).

Citácie:

1. [1.1] PROCHAZKA, V. - VRBA, V. - SMRCKA, D. - RUEFFER, R. - MATUS, P. - MASLAN, M. - MIGLIERINI, M. B. Structural transformation of NANOPERM-type metallic glasses followed in situ by synchrotron radiation during thermal annealing in external magnetic field. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2015, vol. 638, pp. 398-404., WOS

ADCA334 ILLEKOVÁ, Emília. The crystallization kinetics of Fe80Si4B16 metallic glass. In Thermochimica Acta, 1996, vol. 280/281, p. 289-301. ISSN 0040-6031.

Citácie:

1. [1.1] SESTAK, Jaroslav. The quandary aspects of non-isothermal kinetics beyond the ICTAC kinetic committee recommendations. In THERMOCHIMICA ACTA. ISSN 0040-6031, 2015, vol. 611, pp. 26-35., WOS

ADCA335 ILLEKOVÁ, Emília. FINEMET-type nanocrystallization kinetics. In Thermochimica Acta, 2002, vol. 387, no. 1, p. 47-56. ISSN 0040-6031.

Citácie:

1. [1.1] JANOTOVA, I. - ZIGO, J. - SVEC, P. - MATKO, I. - JANICKOVIC, D. - SVEC, P. Analysis of phase transformations in Fe-(Co)-B-Si-(P). In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2015, vol. 643, pp. S265-S269., WOS

2. [1.1] JANOTOVA, Irena - ZIGO, Juraj - SVEC, Peter - MAT&APOS;KO, Igor - JANICKOVIC, Dusan - SVEC, Peter. Crystallization in Rapidly Quenched Fe-B-Si System with Additions of C and Cu. In MATERIALS RESEARCH-IBERO-AMERICAN JOURNAL OF MATERIALS. ISSN 1516-1439, 2015, vol. 18, pp. 136., WOS

3. [1.1] SESTAK, J. The quandary aspects of non-isothermal kinetics. In THERMOCHIMICA ACTA, 2015, VOL. 611, p. 26-35., WOS

ADCA336 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.

Citácie:

1. [1.1] PANIC, S. - KISS, E. - BOSKOVIC, G. Thermal decomposition kinetics of carbon nanotubes-the application of model-fitting methods. In REACTION KINETICS MECHANISMS AND CATALYSIS. ISSN 1878-5190, 2015, vol. 115,

no. 1, pp. 93-104., WOS

ADCA337 ILLEKOVÁ, Emília - AMBROVIČ, Peter - CSOMOROVÁ, Katarína. Investigation of structural relaxation of Fe85B15 amorphous metallic alloy by thermomagnetization. In Journal of Thermal Analysis and Calorimetry, 1987, vol. 32, no. 1, p. 9-16. ISSN 1388-6150.

Citácie:

1. [1.1] SULCOVA, Petra - SESTAK, Jaroslav - MENYHARD, Alfred - LIPTAY, George. Some historical aspects of thermal analysis on the mid-European territory. In JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY. ISSN 1388-6150, 2015, vol. 120, no. 1, pp. 239-254., WOS

ADCA338 ILLEKOVÁ, Emília - MALIZIA, F. - RONCONI, F. The complex DSC analysis of the first crystallization peak of Fe80Sia0B10 metallic glass. In Thermochimica Acta, 1996, vol. 283, p. 91-100. ISSN 0040-6031.

Citácie:

1. [1.1] SESTAK, Jaroslav. The quandary aspects of non-isothermal kinetics beyond the ICTAC kinetic committee recommendations. In THERMOCHIMICA ACTA. ISSN 0040-6031, 2015, vol. 611, pp. 26-35., WOS

ADCA339 ITKIS, M.G. - AYSTO, J. - BEGHINI, S. - BOGACHEV, A.A. - CORRADI, L. - DORVAUX, O. - GADEA, A. - GIARDINA, G. - HANAPPE, F. - ITKIS, I.M. - JANDEL, Marián - KLIMAN, Ján - KHLEBNIKOV, S.V. - KNIAJEVA, G.N. - KONDRATIEV, N.A. - KOZULIN, E.M. - KRUPA, Ľuboš - LATINA, I.A. - MATERNA, T. - MONTAGNOLI, G. - OGANESSIAN, Yu.Ts. - POKROVSKY, I.V. - PROKHOROVA, E.V. - ROWLEY, N. - RUBCHENYA, V.A. - RUSANOV, A.Z. - SAGAIDAK, R.N. - SCARLASSARA, F. - STAFANINI, A.M. - STUTTGE, L. - SZILNER, S. - TROTTA, M. - TRZASKA, W.H. - VAKHTIN, D.E. - VINODKUMAR, A.M. - VOSKRESSENSKI, V.M. - ZAGREBAEV, V.I. Shell effects in fission and quasi-fission of heavy and superheavy nuclei. In Nuclear Physics A, 2004, vol. 734, p. 136-147.

Citácie:

1. [1.1] BHATTACHARYA, S. - CHAUDHURI, A. - GHOSH, T. K. - BANERJEE, K. - BHATTACHARYA, C. - KUNDU, S. - MUKHERJEE, G. - RANA, T. K. - ROY, P. - PANDEY, R. - BHATTACHARYA, P. Fusion fission dynamics: fragment mass distribution studies. In VI INTERNATIONAL CONFERENCE FUSION14. ISSN 2100-014X, 2015, vol. 86, 00004., WOS

2. [1.1] HAMMERTON, K. - KOHLEY, Z. - HINDE, D. J. - DASGUPTA, M. - WAKHLE, A. - WILLIAMS, E. - OBERACKER, V. E. - UMAR, A. S. - CARTER, I. P. - COOK, K. J. - GREENE, J. - JEUNG, D. Y. - LUONG, D. H. - MCNEIL, S. D. - PALSHETKAR, C. S. - RAFFERTY, D. C. - SIMENEL, C. - STIEFEL, K. Reduced quasifission competition in fusion reactions forming neutron-rich heavy elements. In PHYSICAL REVIEW C. ISSN 2469-9985, 2015, vol. 91, no. 4, 041602., WOS

3. [1.1] UMAR, A. S. - OBERACKER, V. E. Time-dependent HF approach to SHE dynamics. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2015, vol. 944, pp. 238., WOS

ADCA340 ITKIS, M.G. - BOGACHEV, A.A. - ITKIS, I.M. - KLIMAN, Ján - KNYAZHEVA, G.N. - KONDRATIEV, N.A. - KOZULIN, G.N. - KRUPA, Ľuboš - OGANESSIAN, Y.T. - POKROVSKY, I.V. - PROKHOROVA, E.V. - RUSANOV, A.Y. The processes of fusion-fission and quasi-fission of superheavy nuclei. In Nuclear Physics A, 2007. Vol. 787, p. 150C-159C. ISSN 0375-9474.

Citácie:

1. [1.1] BUDACA, R. - SANDULESCU, A. - MIREA, M. Quasifission mass distributions in the synthesis of (274)Hs with Mg-26 and S-36 projectiles. In

MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2015, vol. 30, no. 26, 1550129., WOS

2. [1.1] LOVELAND, W. An experimentalist's view of the uncertainties in understanding heavy element synthesis. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2015, vol. 51, no. 9, 120., WOS

ADCA341 IVANČO, Ján - ZAHN, D.R.T. Critical evaluation of band bending determination in organic films from photoemission measurements. In Journal of Vacuum Science and Technology A, 2009, vol. 27, no. 5, p. 1178-1182. ISSN 0374-2101.

Citácie:

1. [1.1] WANG, Chia-Hsin - SU, Ching-Wen - CHAN, Shen Wen - FAN, Liang-Jen - CHEN, Ming-Chou - YANG, Yaw-Wen. Damaging Effect of Hot Metal Atoms on Organic Semiconducting Films during Top Contact Formation. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2015, vol. 119, no. 26, pp. 14593-14602., WOS

ADCA342 IVANČO, Ján - KUBOTA, T. - KOBAYASHI, H. Deoxidation of gallium arsenide surface via silicon overlayer: A study on the evolution of the interface state density. In Journal of Applied Physics, 2005, vol. 97, 073712. (2.255 - IF2004). (2005 - Current Contents). ISSN 0021-8979.

Citácie:

1. [1.1] YU, C. H. - CHEN, X. Y. - LUO, X. D. - XU, W. W. - LIU, P. S. Analysis of Low Dimensional Nanoscaled Inversion-Mode InGaAs MOSFETs for Next-Generation Electrical and Photonic Applications. In ADVANCES IN CONDENSED MATTER PHYSICS. ISSN 1687-8108, 2015, article no. 423791., WOS

ADCA343 IVANČO, Ján - KRENN, J. - RAMSEY, M.G. - NETZER, F.P. - HABER, T. - RESEL, R. - HAASE, A. - STADLOBER, B. - JAKOPIC, G. Sexithiophene films on clean and oxidized Si(111) surfaces: growth and electronic structure. In Journal of Applied Physics, 2004, vol. 96, no. 5, p. 2716-2724. (2.171 - IF2003). (2004 - Current Contents). ISSN 0021-8979.

Citácie:

1. [1.1] LORCH, C. - BANERJEE, R. - FRANK, C. - DIETERLE, J. - HINDERHOFER, A. - GERLACH, A. - SCHREIBER, F. Growth of Competing Crystal Phases of alpha-Sexithiophene Studied by Real-Time in Situ X-ray Scattering. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2015, vol. 119, no. 1, pp. 819-825., WOS

ADCA344 IVANČO, Ján - NETZER, F.P. - RAMSEY, M.G. On validity of the Schottky-Mott rule in organic semiconductors: Sexithiophene on various substrates. In Journal of Applied Physics, 2007, vol. 101, no. 10, 103712. (2.316 - IF2006). (2007 - Current Contents, SCOPUS). ISSN 0021-8979.

Citácie:

1. [1.1] JUNG, Sungyeop - KIM, Chang-Hyun - BONNASSIEUX, Yvan - HOROWITZ, Gilles. Injection barrier at metal/organic semiconductor junctions with a Gaussian density-of-states. In JOURNAL OF PHYSICS D-APPLIED PHYSICS. ISSN 0022-3727, 2015, vol. 48, no. 39, 395103., WOS

2. [1.1] KARAZEHIR, Tolga - ATES, Murat - SARAC, A. Sezai. Mott-Schottky and Morphologic Analysis of Poly(Pyrrole-N-Propionic Acid) in various electrolyte systems. In INTERNATIONAL JOURNAL OF ELECTROCHEMICAL SCIENCE. ISSN 1452-3981, 2015, vol. 10, no. 8, pp. 6146-6163., WOS

3. [1.1] WANG, Zhiping - UEMURA, Yu - ZHOU, Ying - MIYADERA, Tetsuhiko - AZUMI, Reiko - YOSHIDA, Yuji - CHIKAMATSU, Masayuki. Understanding Device-Structure-Induced Variations in Open-Circuit Voltage for Organic Photovoltaics. In ACS APPLIED MATERIALS & INTERFACES. ISSN 1944-8244,

2015, vol. 7, no. 20, pp. 10814-10822., WOS
4. [3.1] GREINER, M.T.- LU, Z.-H. CHARGE INJECTION LAYERS. In OLED Fundamentals. Materials, Devices and Processinf of organic Light-Emitting Diodes. Chapter 5. Eds. D.J. Gaspar and E. Polikarpopv. ISBN 978-1-4665-1519-2. CRC Press, Boca Raton 2015, pp. 95-126.

ADCA345 IVANČO, Ján. Intrinsic work function of molecular films. In Thin Solid Films, 2012, vol. 520, no. 11, p. 3975-3986. (1.890 - IF2011). (2012 - Current Contents). ISSN 0040-6090.

Citácie:
1. [1.1] HINDERHOFER, Alexander - YONEZAWA, Keiichirou - KATO, Kengo - SCHREIBER, Frank. Structure Matters: Combining X-Ray Scattering and Ultraviolet Photoelectron Spectroscopy for Studying Organic Thin Films. In ELECTRONIC PROCESSES IN ORGANIC ELECTRONICS: BRIDGING NANOSTRUCTURE, ELECTRONIC STATES AND DEVICE PROPERTIES. ISSN 0933-033X, 2015, vol. 209, pp. 109-129., WOS

ADCA346 IVANČO, Ján - HABER, T. - RESEL, R. - NETZER, F.P. - RAMSEY, M.G. Electronic and geometric structure of electro-optically active organic films and associated interfaces. In Thin Solid Films, 2006, vol. 514, no. 1-2, p. 156-164. (2006 - Current Contents). ISSN 0040-6090.

Citácie:
1. [1.1] EL-MENYAWY, E. M. Electrical and photovoltaic properties of Gaussian distributed inhomogeneous barrier based on tris(8-hydroxyquinoline) indium/p-si interface. In MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING. ISSN 1369-8001, 2015, vol. 32, pp. 145-151., WOS
2. [1.1] GHANBARI, Ebrahim - WAGNER, Thorsten - ZEPPENFELD, Peter. Layer-Resolved Evolution of Organic Thin Films Monitored by Photoelectron Emission Microscopy and Optical Reflectance Spectroscopy. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2015, vol. 119, no. 42, pp. 24174-24181., WOS
3. [1.1] WAGNER, Thorsten - GHANBARI, Ebrahim - HUBER, Daniel - ZEPPENFELD, Peter. The growth of alpha-sexithiophene films on Ag(111) studied by means of PEEM with linearly polarized light. In ULTRAMICROSCOPY. ISSN 0304-3991, 2015, vol. 159, pp. 464-469., WOS

ADCA347 IVANČO, Ján - HABER, T. - KRENN, J.R. - NETZER, F.P. - RESSEL, R. - RAMSEY, M.G. Sexithiophene films on ordered and disordered TiO2(110) surfaces: Electronic, structural and morphological properties. In Surface Science, 2007, vol. 601, no. 1, p. 178-187. ISSN 0039-6028.

Citácie:
1. [1.1] ADLER, Hilmar - PASZKIEWICZ, Mateusz - UIHLEIN, Johannes - POLEK, Malgorzata - OVSYANNIKOV, Ruslan - BASOVA, Tamara V. - CHASSE, Thomas - PEISERT, Heiko. Interface Properties of VOPc on Ni(111) and Graphene/Ni(111): Orientation-Dependent Charge Transfer. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2015, vol. 119, no. 16, pp. 8755-8762., WOS
2. [1.1] GHANBARI, Ebrahim - WAGNER, Thorsten - ZEPPENFELD, Peter. Layer-Resolved Evolution of Organic Thin Films Monitored by Photoelectron Emission Microscopy and Optical Reflectance Spectroscopy. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2015, vol. 119, no. 42, pp. 24174-24181., WOS
3. [1.1] GUNDUZ, Bayram. Surface Morphology Properties of the 5,5 '-Di(4-biphenylyl)-2,2 '-bithiophene (PPTTPP) Nanofiber Film and Calculations of the Optical Parameters of the PPTTPP Nanofiber Optoelectronic

Devices. In JOURNAL OF NANOELECTRONICS AND OPTOELECTRONICS. ISSN 1555-130X, 2015, vol. 10, no. 1, pp. 1-8., WOS

4. [1.1] LORCH, C. - BANERJEE, R. - FRANK, C. - DIETERLE, J. - HINDERHOFER, A. - GERLACH, A. - SCHREIBER, F. Growth of Competing Crystal Phases of alpha-Sexithiophene Studied by Real-Time in Situ X-ray Scattering. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2015, vol. 119, no. 1, pp. 819-825., WOS

ADCA348 JAHNATEK, M. - HAFNER, J. - KRAJČÍ, Marián. Shear deformation, ideal strength, and stacking fault formation of fcc metals: A density-functional study of Al and Cu. In Physical Review B, 2009, vol. 79, no. 22, 224103. (3.322 - IF2008). (2009 - Current Contents, WOS, SCOPUS). ISSN 1550-235X.

Citácie:

1. [1.1] CHOUDHARY, Kamal - LIANG, Tao - CHERNATYNSKIY, Aleksandr - LU, Zizhe - GOYAL, Anuj - PHILLPOT, Simon R. - SINNOTT, Susan B. Charge optimized many-body potential for aluminum. In JOURNAL OF PHYSICS-CONDENSED MATTER. ISSN 0953-8984, 2015, vol. 27, no. 1, 015003., WOS

2. [1.1] WANG, Lan-xin - YAO, Shan - WEN, Bin. First-principles calculation of stacking fault energies and mechanical properties for high entropy solid solution AlxCoCrCuFeNi with different mole fraction of Al. In BULGARIAN CHEMICAL COMMUNICATIONS. ISSN 0324-1130, 2015, vol. 47, pp. 93., WOS

3. [1.1] WANG, R. F. - XU, J. - QU, R. T. - LIU, Z. Q. - ZHANG, Z. F. Anisotropy of tensile strength and fracture mode of perfect face-centered-cubic crystals. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2015, vol. 117, no. 21, 214906., WOS

4. [1.1] ZELENY, Martin - STRAKA, Ladislav - SOZINOV, Alexei. Ab initio study of Ni2MnGa under shear deformation. In ESOMAT 2015 10TH EUROPEAN SYMPOSIUM ON MARTENSITIC TRANSFORMATIONS. ISSN 2261-236X, 2015, vol. 33, UNSP 05006., WOS

5. [1.1] ZHANG, R. F. - LEGUT, D. - FU, Z. H. - VEPREK, S. - ZHANG, Q. F. - MAO, H. K. Mechanical strength and electronic instabilities in ultra-incompressible platinum dinitrides. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 92, no. 10, 104107., WOS

ADCA349 JAHNÁTEK, M. - KRAJČÍ, Marián - HAFNER, J. Interatomic bonds and the tensile anisotropy of trialuminides in the elastic limit: a density functional study for Al-3 (Sc,Ti,V,Cr). In Philosophical Magazine, 2007, vol. 87, no. 11, p. 1769-1794. ISSN 1478-6435.

Citácie:

1. [1.1] BOULECHFAR, R. - MERADJI, H. - CHOUAHDA, Z. - GHEMID, S. - DRABLIA, S. - KHENATA, R. FP-LAPW investigation of the structural, electronic and thermodynamic properties of Al3Ta compound. In INTERNATIONAL JOURNAL OF MODERN PHYSICS B. ISSN 0217-9792, 2015, vol. 29, no. 2, 1450244., WOS

ADCA350 JAHNÁTEK, Michal - KRAJČÍ, Marián - HAFNER, Jürgen. Interatomic bonding, elastic properties and ideal strength of transition metal aluminides: A case study for Al-3(V, Ti). In Physical Review B, 2005, vol. 71, no. 2, 024101. (3.075 - IF2004). (2005 - Current Contents). ISSN 1550-235X.

Citácie:

1. [1.1] BOULECHFAR, R. - MERADJI, H. - CHOUAHDA, Z. - GHEMID, S. - DRABLIA, S. - KHENATA, R. FP-LAPW investigation of the structural, electronic and thermodynamic properties of Al3Ta compound. In INTERNATIONAL JOURNAL OF MODERN PHYSICS B. ISSN 0217-9792, 2015, vol. 29, no. 2,

1450244., WOS
2. [1.1] CHEN, Zhe - ZHANG, Peng - CHEN, Dong - WU, Yi - WANG, Mingliang - MA, Naiheng - WANG, Haowei. First-principles investigation of thermodynamic, elastic and electronic properties of Al3V and Al3Nb intermetallics under pressures. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2015, vol. 117, no. 8, 085904., WOS
3. [1.1] DU XIAOMING - LIU FENGGU - LI JING - WU ERDONG. First principle calculations of XAl3 (X= Sc,Ti, Fe, Ni,Y, Zr and Ta) compounds: elastic and thermodynamic properties. In OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS. ISSN 1842-6573, 2015, vol. 9, no. 5-6, pp. 754., WOS
4. [1.1] LEKATOU, A. - KARANTZALIS, A. E. - EVANGELOU, A. - GOUSIA, V. - KAPTAY, G. - GACSI, Z. - BAUMLI, P. - SIMON, A. Aluminium reinforced by WC and TiC nanoparticles (ex-situ) and aluminide particles (in-situ): Microstructure, wear and corrosion behaviour. In MATERIALS & DESIGN. ISSN 0264-1275, 2015, vol. 65, pp. 1121., WOS
5. [1.1] LINDAHL, Bonnie - LIU, Xuan L. - LIU, Zi-Kui - SELLEBY, Malin. A thermodynamic re-assessment of Al-V toward an assessment of the ternary Al-Ti-V system. In CALPHAD-COMPUTER COUPLING OF PHASE DIAGRAMS AND THERMOCHEMISTRY. ISSN 0364-5916, 2015, vol. 51, pp. 75., WOS
6. [1.1] WANG HAIYAN - LI CHANGYUN - LI XUSHENG - HU QIANKU - YANG YIN. Influence of Mo Doping on the Physical Properties of TiAl Alloy by the First Principles. In RARE METAL MATERIALS AND ENGINEERING. ISSN 1002-185X, 2015, vol. 44, no. 11, pp. 2737., WOS

ADCA351 JANCOVICI, B. - ŠAMAJ, Ladislav. Casimir force between two ideal-conductor walls revisited. In Europhysics Letters, 2005, vol. 72, no. 1, p. 35-41. (2.120 - IF2004). (2005 - Current Contents). ISSN 0295-5075.

Citácie:

1. [1.1] LU, B.S. - DEAN, D. S. - PODGORNIK, R. Out-of-equilibrium thermal Casimir effect between Brownian conducting plates. In EPL. ISSN 0295-5075, 2015, vol. 112, no. 2, 20001., WOS

ADCA352 JANCOVICI, Bernard - ŠAMAJ, Ladislav. Guest charge and potential fluctuations in two-dimensional classical Coulomb systems. In Journal of Statistical Physics, 2008, vol. 131, no. 4, p. 613-629. ISSN 0022-4715.

Citácie:

1. [1.1] LASKIN, M. - CAN, T. - WIEGMANN, P. Collective field theory for quantum Hall states. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 92, no. 23, 235141., WOS

ADCA353 JANDEL, Marián - MORHÁČ, Miroslav - KLIMAN, Ján - KRUPA, L. - MATOUŠEK, Vladislav - HAMILTON, J.H. - RAMAYYA, A.V. Decomposition of continuum gama-ray spectra using synthesized response matrix. In Nuclear Instruments and Methods in Physics Research A. Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, vol. 516, no. 1, pp. 172-183. (1.166 - IF2003). (2004 - Current Contents, WOS, SCOPUS). ISSN 0168-9002.

Citácie:

1. [1.1] REINHARDT, Sascha - HARTMANN, Soeren - PIMPL, Richard. Full Spectrum Analysis in Environmental Monitoring. In ATW-INTERNATIONAL JOURNAL FOR NUCLEAR POWER. ISSN 1431-5254, 2015, vol. 60, no. 6, pp. 381., WOS

ADCA354 JANIČKOVIČ, Dušan - ŠEBO, Pavol - DUHAJ, Pavol - ŠVEC, Peter. The rapidly quenched Ag-Cu-Ti ribbons for active joining of ceramics. In Materials Science and Engineering A, 2001, vol. 304-306, p. 569-573. (0.897 - IF2000). (2001 - Current

Contents, WOS, SCOPUS). ISSN 0921-5093.

Citácie:

1. [1.1] ALI, Majed - KNOWLES, Kevin M. - MALLINSON, Phillip M. - FERNIE, John A. Microstructural evolution and characterisation of interfacial phases in Al2O3/Ag-Cu-Ti/Al2O3 braze joints. In ACTA MATERIALIA. ISSN 1359-6454, 2015, vol. 96, pp. 143., WOS

2. [1.1] CAO, Yongtong - YAN, Jiazhen - LI, Ning - ZHENG, Yi - XIN, Chenglai. Effects of brazing temperature on microstructure and mechanical performance of Al2O3/AgCuTi/Fe-Ni-Co brazed joints. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2015, vol. 650, pp. 30., WOS

ADCA355 JERGEL, Matej - OŽVOLD, Milan - SENDERÁK, Rudolf - LUBY, Štefan - MAJKOVÁ, Eva. Ultrashort period Cu/Si and Ni/C multilayers for X-ray mirrors. In Zeitschrift fur Kristallographie, 2006, suppl. 23, p. 305-310.

Citácie:

1. [1.1] PRADHAN, P. C. - NAYAK, M. - MONDAL, P. - LODHA, G. S. Interface study and performance of large layer pair ultra-short period W/B4C x-ray multilayer. In AIP Conference Proceedings, 2015, vol. 1665, 080030., WOS

ADCA356 JERGEL, Matej - CHESHKO, I. - HALAHOVETS, Y. - ŠIFFALOVIČ, Peter - MAŤKO, Igor - SENDERÁK, Rudolf - PROTSENKO, S. - MAJKOVÁ, Eva - LUBY, Štefan. Annealing behaviour of structural and magnetic properties of evaporated Co thin films. In Journal of Physics D: Applied Physics, 2009, vol. 42, no. 13, 135406. (2.104 - IF2008). (2009 - Current Contents, SCOPUS). ISSN 0022-3727.

Citácie:

1. [1.1] NGAMOU, Patrick Herve Tchoua - EL KASMI, Achraf - WEISS, Theodor - VIEKER, Henning - BEYER, Andre - ZIELASEK, Volkmar - KOHSE-HOEINGHAUS, Katharina - BAEUMER, Marcus. Investigation of the Growth Behaviour of Cobalt Thin Films from Chemical Vapour Deposition, Using Directly Coupled X-ray Photoelectron Spectroscopy. In ZEITSCHRIFT FUR PHYSIKALISCHE CHEMIE-INTERNATIONAL JOURNAL OF RESEARCH IN PHYSICAL CHEMISTRY & CHEMICAL PHYSICS. ISSN 0942-9352, 2015, vol. 229, no. 10-12, pp. 1887-1905., WOS

ADCA357 JERGEL, Matej - ŠIFFALOVIČ, Peter - VÉGSO, Karol - MAJKOVÁ, Eva - KORYTÁR, Dušan - ZÁPRAŽNÝ, Zdenko - PERLICH, J. - ZIBERI, B. - CORNEJO, M. - VAGOVIČ, P. Extreme x-ray beam compression for a high-resolution table-top grazing-incidence small-angle x-ray scattering setup. In Journal of Applied Crystallography, 2013, vol. 46, p. 1544-1550. (3.343 - IF2012). (2013 - Current Contents, WOS, SCOPUS). ISSN 0021-8898.

Citácie:

1. [1.1] FEWSTER, Paul F. INSTRUMENTS FOR MEASURING SCATTERING PATTERNS. In X-RAY SCATTERING FROM SEMICONDUCTORS AND OTHER MATERIALS, 3RD EDITION, 2015, pp. 243-320., WOS

2. [1.1] ZHENG, Nan - YI, Zhiyong - LI, Zhenzhen - CHEN, Ran - LAI, Yuqing - MEN, Yongfeng. Achieving grazing-incidence ultra-small-angle X-ray scattering in a laboratory setup. In JOURNAL OF APPLIED CRYSTALLOGRAPHY. APR 2015, vol. 48, 2, p. 608-612., WOS

ADCA358 JERGEL, Matej - BOCHNICEK, Z. - MAJKOVÁ, Eva - SENDERÁK, Rudolf - LUBY, Štefan. Thermally activated interface shift in the tungsten/silicon multilayers. In Applied Physics Letters, 1996, vol. 69, no. 7, p. 919-921. (1996 - Current Contents, SCOPUS). ISSN 0003-6951.

Citácie:

1. [1.1] RAO, P. N. - RAI, S. K. - SINHA, A. K. - SINGH, M. N. - LODHA, G. S.

Thermally induced interface changes in W/B4C multilayers. In THIN SOLID FILMS. ISSN 0040-6090, 2015, vol. 589, pp. 268-271., WOS

ADCA359 JERGEL, Matej - HALAHOVETS, Y. - ŠIFFALOVIČ, Peter - VÉGSO, Karol - SENDERÁK, Rudolf - MAJKOVÁ, Eva - LUBY, Štefan. Behaviour of giant magnetoresistance in Co-Cu-Co pseudo spin-valves after magnetic annealing. In Thin Solid Films, 2011, vol. 520, p. 667-673. (1.909 - IF2010). (2011 - Current Contents). ISSN 0040-6090.

Citácie:

1. [1.1] SVALOV, A.V. et al. Pseudo-spin valve system prepared by magnetron sputtering with different argon pressure. In KEY ENGINEERING MATERIALS, 2015, vol. 644, p. 211-214., WOS

ADCA360 JERGEL, Matej - MIKULIK, P. - MAJKOVÁ, Eva - SENDERÁK, Rudolf - PINČÍK, Emil - BRUNEL, M. - HUDEK, Peter - KOSTIČ, Ivan - KONEČNÍKOVÁ, Anna. Structural characterization of a lamellar W/Si multilayer grating. In Journal of Applied Physics, 1999, vol. 85, no. 2, p. 1225-1227. (1.729 - IF1998). (1999 - Current Contents, WOS, SCOPUS). ISSN 0021-8979.

Citácie:

1. [1.1] IRZHAK, D. V. - KNYASEV, M. A. - PUNEGOV, V. I. - ROSHCHUPKIN, D. V. X-ray diffraction by phase diffraction gratings. In JOURNAL OF APPLIED CRYSTALLOGRAPHY. ISSN 1600-5767, 2015, vol. 48, pp. 1159-1164., WOS

ADCA361 JORDAN, S.P. - KOBAYASHI, H. - NAGAJ, Daniel - NISHIMURA, H. Achieving perfect completeness in classical-witness quantum Merlin-Arthur proof. In Quantum Information and Computation, 2012, vol. 12, no. 5/6, p. 461-471. (1.659 - IF2011). (2012 - Current Contents). ISSN 1533-7146.

Citácie:

1. [1.1] GRILO, Alex Bredariol - KERENIDIS, Iordanis - SIKORA, Jamie. QMA with Subset State Witnesses. In MATHEMATICAL FOUNDATIONS OF COMPUTER SCIENCE 2015, PT II. ISSN 0302-9743, 2015, vol. 9235, pp. 163., WOS

ADCA362 JUREČKA, S. - PINČÍK, Emil - BRUNNER, Róbert. Solution of the optical parameters of the thin film systems and interfaces. In Applied Surface Science, 2008, vol. 254, p. 3672-3676.

Citácie:

1. [1.1] KHERODIA, Ashok Kumar - PANCHAL, Ashish K. Estimation of Optical Properties of Multilayer Silicon Nano Films with Different Hydrogen Dilution. In CLEAN, EFFICIENT AND AFFORDABLE ENERGY FOR A SUSTAINABLE FUTURE. ISSN 1876-6102, 2015, vol. 75, pp. 2193-2198., WOS

ADCA363 JUREČKA, S. - KOBAYASHI, H. - TAKAHASHI, M. - MATSUMOTO, T. - JUREČKOVÁ, Mária - CHOVANEC, F. - PINČÍK, Emil. On the influence of the surface roughness onto the ultrathin SiO2/ Si structure properties. In Applied Surface Science, 2010, vol. 256, p. 5623-5628. (1.616 - IF2009). (2010 - Current Contents). ISSN 0169-4332.

Citácie:

1. [1.1] JOHN, Jisha - NAIR, Madhu S. - GOPCHANDRAN, K. G. - WILSCY, M. Uniformity analysis in nanocrystalline silver thin films using fuzzy inference system. In SURFACE AND INTERFACE ANALYSIS. ISSN 0142-2421, 2015, vol. 47, no. 1, pp. 161-165., WOS

ADCA364 KALANINOVÁ, Z. - ANTALIC, S. - ANDREYEV, A.N. - HESSBERGER, F.P. - ACKERMANN, D. - ANDEL, B. - BIANCO, L. - HOFMANN, S. - HUYSE, M. - KINDLER, B. - LOMMEL, B. - MANN, R. - PAGE, R.D. - SAPPLE, P.J. - THOMSON, J. - VAN DUPPEN, P. - VENHART, Martin. Decay of 201-203 Ra and 200-202 Fr. In Physical Review C, 2014, vol. 89, 054312. (3.881 - IF2013). (2014 -

Current Contents, WOS, SCOPUS). ISSN 2469-9985.

Citácie:

1. [1.1] DENISOV, V.Yu. Improved parametrization of the unified model. In PHYSICAL REVIEW C, 2015, vol. 92, 014602., WOS

2. [1.1] SEIF, W.M. Nucleon pairing correlations. In PHYSICAL REVIEW C, 2015, vol. 91, 014322., WOS

ADCA365 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. (3.105 - IF2004). (2005 - Current Contents, WOS, SCOPUS). ISSN 0021-9606.

Citácie:

1. [1.1] BEREZHKOVSKII, Alexander M. - DAGDUG, Leonardo - BEZRUKOV, Sergey M. Range of applicability of modified Fick-Jacobs equation in two dimensions. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2015, vol. 143, no. 16, 164102., WOS

2. [1.1] CHAVEZ, Yoshua - VAZQUEZ, Marco-Vinicio - DAGDUG, Leonardo. Unbiased Diffusion through a Linear Porous Media with Periodic Entropy Barriers: A Tube Formed by Contacting Ellipses. In JOURNAL OF CHEMISTRY. ISSN 2090-9063, 2015, 986402., WOS

3. [1.1] GARCIA-CHUNG, Angel A. - CHACON-ACOSTA, Guillermo - DAGDUG, Leonardo. On the covariant description of diffusion in two-dimensional confined environments. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2015, vol. 142, no. 6, 064105., WOS

4. [1.1] VALERO VALDES, Carlos. Effective diffusion on Riemannian fiber bundles. In JOURNAL OF MATHEMATICAL PHYSICS. ISSN 0022-2488, 2015, vol. 56, no. 2, 023507., WOS

ADCA366 KALINAY, Pavol - PERCUS, Jerome K. Exact dimensional reduction of linear dynamics: application to confined diffusion. In Journal of Statistical Physics, 2006, vol. 123, no. 5, p. 1059-1069. ISSN 0022-4715/00.

Citácie:

1. [1.1] BEREZHKOVSKII, Alexander M. - DAGDUG, Leonardo - BEZRUKOV, Sergey M. Range of applicability of modified Fick-Jacobs equation in two dimensions. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2015, vol. 143, no. 16, 164102., WOS

2. [1.1] DAS, Moupriya - RAY, Deb Shankar. Landauer s blow-torch effect in systems with entropic potential. In PHYSICAL REVIEW E. ISSN 1539-3755, 2015, vol. 92, no. 5, 052133., WOS

ADCA367 KALINAY, Pavol - PERCUS, J.K. Two definitions of the hopping time in a confined fluid of finite particles. In Journal of Chemical Physics, 2008, vol. 129, no. 15, 154117. (3.044 - IF2007). (2008 - Current Contents). ISSN 0021-9606.

Citácie:

1. [1.1] DAS, Moupriya - RAY, Deb Shankar. Landauer s blow-torch effect in systems with entropic potential. In PHYSICAL REVIEW E. ISSN 1539-3755, 2015, vol. 92, no. 5, 052133., WOS

ADCA368 KALINAY, Pavol. Effective transport equations in quasi 1D systems. In European Physical Journal Special Topics, 2014, vol. 223, p. 3027-3043. (1.760 - IF2013). (2014 - Current Contents). ISSN 1951-6355.

Citácie:

1. [1.1] WANG, Xinli - DRAZER, German. Transport of Brownian particles in a narrow, slowly varying serpentine channel. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2015, vol. 142, no. 15, 154114., WOS

ADCA369 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. (1.192 - IF1999). ISSN 0022-4715/00.

Citácie:

1. [1.1] CAN, Tankut - LASKIN, Michael - WIEGMANN, Paul B. Geometry of quantum Hall states: Gravitational anomaly and transport coefficients. In ANNALS OF PHYSICS. ISSN 0003-4916, 2015, vol. 362, pp. 752-794., WOS

2. [1.1] LASKIN, M. - CAN, T. - WIEGMANN, P. Collective field theory for quantum Hall states. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 92, no. 23, 235141., WOS

ADCA370 KALINAY, Pavol. Effective one-dimensional description of confined diffusion biased by a transverse gravitational force. In Physical Review E, 2011, vol. 84, 011118. (2.352 - IF2010). (2011 - Current Contents, WOS, SCOPUS). ISSN 2470-0045.

Citácie:

1. [1.1] DAS, Moupriya - RAY, Deb Shankar. Landauer s blow-torch effect in systems with entropic potential. In PHYSICAL REVIEW E. ISSN 1539-3755, 2015, vol. 92, no. 5, 052133., WOS

2. [1.1] JIANG JIE - AI BAO-QUAN - WU JIAN-CHUN. Directed Transport of Brownian Particles in a Periodic Channel. In COMMUNICATIONS IN THEORETICAL PHYSICS. ISSN 0253-6102, 2015, vol. 64, no. 3, pp. 320., WOS

3. [1.1] LI, Feng-guo - XIE, Hui-zhang - LIU, Xue-mei - AI, Bao-quan. The influence of a phase shift between the top and bottom walls on the Brownian transport of self-propelled particles. In CHAOS. ISSN 1054-1500, 2015, vol. 25, no. 3, 033110., WOS

4. [1.1] WANG, Rang - ZHOU, Jia-Ning - LIU, Xue-Mei - XIAO, Hua. Transport and efficiency of Brownian particles in confined narrow channels with a periodic driving force. In INTERNATIONAL JOURNAL OF MODERN PHYSICS B. ISSN 0217-9792, 2015, vol. 29, no. 5, 1550026., WOS

ADCA371 KALINAY, Pavol - PERCUS, J.K. Mapping of diffusion in a channel with soft walls. In Physical Review E, 2011, vol. 83, no. 3, 031109. (2.352 - IF2010). (2011 - Current Contents, WOS, SCOPUS). ISSN 2470-0045.

Citácie:

1. [1.1] DAS, Moupriya - RAY, Deb Shankar. Landauer s blow-torch effect in systems with entropic potential. In PHYSICAL REVIEW E. ISSN 1539-3755, 2015, vol. 92, no. 5, 052133., WOS

2. [1.1] WANG, X.- DRAZER, G. In JOURNAL OF CHEMICAL PHYSICS, 2015, vol. 142, 154114., WOS

ADCA372 KALINAY, Pavol. Rectification of confined diffusion driven by a sinusoidal force. In Physical Review E, 2014, vol. 89, 042123. (2.326 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 2470-0045.

Citácie:

1. [1.1] DAS, M.- RAY, D.S. In PHYSICAL REVIEW E, 2015, vol. 92, 052133., WOS

2. [1.1] WU, J.Ch.- CHEN, Q. In PHYSICS LETTERS A, 2015, vol. 379, p. 3025., WOS

ADCA373 KALINAY, Pavol - PERCUS, J.K. Mapping of diffusion in a channel with abrupt change of diameter. In Physical Review E, 2010, vol. 82, no. 3, 031143. (2.400 - IF2009). (2010 - Current Contents, WOS, SCOPUS). ISSN 2470-0045.

Citácie:

1. [1.1] JIANG JIE - AI BAO-QUAN - WU JIAN-CHUN. Directed Transport of Brownian Particles in a Periodic Channel. In COMMUNICATIONS IN

THEORETICAL PHYSICS. ISSN 0253-6102, 2015, vol. 64, no. 3, pp. 320-324., WOS
2. [1.1] MARCONI, Umberto Marini Bettolo - MALGARETTI, Paolo - PAGONABARRAGA, Ignacio. Tracer diffusion of hard-sphere binary mixtures under nano-confinement. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2015, vol. 143, no. 18, 184501., WOS
3. [1.1] WANG, Rang - ZHOU, Jia-Ning - LIU, Xue-Mei - XIAO, Hua. Transport and efficiency of Brownian particles in confined narrow channels with a periodic driving force. In INTERNATIONAL JOURNAL OF MODERN PHYSICS B. ISSN 0217-9792, 2015, vol. 29, no. 5, p1550026, WOS
4. [1.1] WANG, X.- DRAZER, G. In JOURNAL OF CHEMICAL PHYSICS, 2015, vol. 142, 154114., WOS

ADCA374 KALINAY, Pavol. Moment expansion for mapping of the confined diffusion. In Physical Review E, 2013, vol. 87, no. 18, 032143. (2.313 - IF2012). (2013 - Current Contents, WOS, SCOPUS). ISSN 2470-0045.

Citácie:
1. [1.1] DAS, Moupriya - RAY, Deb Shankar. Landauer s blow-torch effect in systems with entropic potential. In PHYSICAL REVIEW E. ISSN 1539-3755, 2015, vol. 92, no. 5, 052133., WOS
2. [1.1] HU, Cai-tian - OU, Ya-li - WU, Jian-chun - CHEN, Qun - AI, Bao-quan. Multiple current reversals of Brownian particles in periodic hydrodynamical channels. In JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT. ISSN 1742-5468, 2015, P05025., WOS
3. [1.1] MARCONI, Umberto Marini Bettolo - MALGARETTI, Paolo - PAGONABARRAGA, Ignacio. Tracer diffusion of hard-sphere binary mixtures under nano-confinement. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2015, vol. 143, no. 18, 184501., WOS

ADCA375 KALINAY, Pavol. Effective diffusion coefficient in 2D periodic channels. In Journal of Chemical Physics, 2014, vol. 141, 144101. (3.122 - IF2013). (2014 - Current Contents). ISSN 0021-9606.

Citácie:
1. [1.1] DE GRAAF, Joost - PETER, Toni - FISCHER, Lukas P. - HOLM, Christian. The Raspberry model for hydrodynamic interactions revisited. II. The effect of confinement. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2015, vol. 143, no. 8, 084108., WOS
2. [1.1] GARCIA-CHUNG, A. et al. In JOURNAL CHEMICAL PHYSICS, 2015, vol. 142, 064105., WOS

ADCA376 KALINAY, Pavol - PERCUS, J.K. Extended Fick-Jacobs equation: Variational approach. In Physical Review E, 2005, vol. 72, no. 6, 061203. (2.352 - IF2004). (2005 - Current Contents, WOS, SCOPUS). ISSN 2470-0045.

Citácie:
1. [1.1] BEREZHKOVSKII, Alexander M. - DAGDUG, Leonardo - BEZRUKOV, Sergey M. Range of applicability of modified Fick-Jacobs equation in two dimensions. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2015, vol. 143, no. 16, 164102., WOS
2. [1.1] DAS, Moupriya - RAY, Deb Shankar. Landauer s blow-torch effect in systems with entropic potential. In PHYSICAL REVIEW E. ISSN 1539-3755, 2015, vol. 92, no. 5, 052133., WOS
3. [1.1] VALERO VALDES, Carlos. Effective diffusion on Riemannian fiber bundles. In JOURNAL OF MATHEMATICAL PHYSICS. ISSN 0022-2488, 2015, vol. 56, no. 2, 023507., WOS
4. [1.1] WANG, Xinli - DRAZER, German. Transport of Brownian particles in a

narrow, slowly varying serpentine channel. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2015, vol. 142, no. 15, 154114., WOS

ADCA377 KALINAY, Pavol - PERCUS, J.K. Corrections to the Fick-Jacobs equation. In Physical Review E, 2006, vol. 74, no. 4, 041203. (2.418 - IF2005). (2006 - Current Contents, WOS, SCOPUS). ISSN 2470-0045.

Citácie:

1. [1.1] BEREZHKOVSKII, Alexander M. - DAGDUG, Leonardo - BEZRUKOV, Sergey M. Range of applicability of modified Fick-Jacobs equation in two dimensions. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2015, vol. 143, no. 16, 164102., WOS

2. [1.1] CHAVEZ, Yoshua - VAZQUEZ, Marco-Vinicio - DAGDUG, Leonardo. Unbiased Diffusion through a Linear Porous Media with Periodic Entropy Barriers: A Tube Formed by Contacting Ellipses. In JOURNAL OF CHEMISTRY. ISSN 2090-9063, 2015, 986402., WOS

3. [1.1] DAS, Moupriya - RAY, Deb Shankar. Landauer s blow-torch effect in systems with entropic potential. In PHYSICAL REVIEW E. ISSN 1539-3755, 2015, vol. 92, no. 5, 052133., WOS

4. [1.1] GARCIA-CHUNG, Angel A. - CHACON-ACOSTA, Guillermo - DAGDUG, Leonardo. On the covariant description of diffusion in two-dimensional confined environments. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2015, vol. 142, no. 6, 064105., WOS

5. [1.1] HU, Cai-tian - OU, Ya-li - WU, Jian-chun - CHEN, Qun - AI, Bao-quan. Multiple current reversals of Brownian particles in periodic hydrodynamical channels. In JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT. ISSN 1742-5468, 2015, P05025., WOS

6. [1.1] JIANG JIE - AI BAO-QUAN - WU JIAN-CHUN. Directed Transport of Brownian Particles in a Periodic Channel. In COMMUNICATIONS IN THEORETICAL PHYSICS. ISSN 0253-6102, 2015, vol. 64, no. 3, pp. 320-324., WOS

7. [1.1] MARCONI, Umberto Marini Bettolo - MALGARETTI, Paolo - PAGONABARRAGA, Ignacio. Tracer diffusion of hard-sphere binary mixtures under nano-confinement. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2015, vol. 143, no. 18, 184501., WOS

8. [1.1] VALERO VALDES, Carlos. Effective diffusion on Riemannian fiber bundles. In JOURNAL OF MATHEMATICAL PHYSICS. ISSN 0022-2488, 2015, vol. 56, no. 2, 023507., WOS

9. [1.1] WANG, Rang - ZHOU, Jia-Ning - LIU, Xue-Mei - XIAO, Hua. Transport and efficiency of Brownian particles in confined narrow channels with a periodic driving force. In INTERNATIONAL JOURNAL OF MODERN PHYSICS B. ISSN 0217-9792, 2015, vol. 29, no. 5, 1550026., WOS

10. [1.1] WANG, Xinli - DRAZER, German. Transport of Brownian particles in a narrow, slowly varying serpentine channel. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2015, vol. 142, no. 15, 154114., WOS

11. [1.1] WU, Jian-chun - CHEN, Qua - AI, Bao-quan. Entropic transport of active particles driven by a transverse ac force. In PHYSICS LETTERS A. ISSN 0375-9601, 2015, vol. 379, no. 47-48, pp. 3025-3028., WOS

ADCA378 KALINAY, Pavol - PERCUS, J.K. Approximations of the generalized Fick-Jacobs equation. In Physical Review E, 2008, vol. 78, no. 2, 021103. (2.483 - IF2007). (2008 - Current Contents, WOS, SCOPUS). ISSN 2470-0045.

Citácie:

1. [1.1] BEREZHKOVSKII, Alexander M. - DAGDUG, Leonardo - BEZRUKOV, Sergey M. Range of applicability of modified Fick-Jacobs equation in two

dimensions. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2015, vol. 143, no. 16, 164102., WOS
2. [1.1] DAS, Moupriya - RAY, Deb Shankar. Landauer s blow-torch effect in systems with entropic potential. In PHYSICAL REVIEW E. ISSN 1539-3755, 2015, vol. 92, no. 5, 052133pp., WOS
3. [1.1] MALGARETTI, Paolo - PAGONABARRAGA, Ignacio - RUBI, J. Miguel. Geometrically Tuned Channel Permeability. In MACROMOLECULAR SYMPOSIA. ISSN 1022-1360, 2015, vol. 357, no. 1, pp. 178., WOS
4. [1.1] MARCONI, Umberto Marini Bettolo - MALGARETTI, Paolo - PAGONABARRAGA, Ignacio. Tracer diffusion of hard-sphere binary mixtures under nano-confinement. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2015, vol. 143, no. 18, 184501., WOS
5. [1.1] VALERO VALDES, Carlos. Effective diffusion on Riemannian fiber bundles. In JOURNAL OF MATHEMATICAL PHYSICS. ISSN 0022-2488, 2015, vol. 56, no. 2, 023507., WOS
6. [1.1] WANG, Xinli - DRAZER, German. Transport of Brownian particles in a narrow, slowly varying serpentine channel. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2015, vol. 142, no. 15, 154114., WOS

ADCA379 KALINAY, Pavol. Mapping of forced diffusion in quasi-one-dimensional systems. In Physical Review E, 2009, vol. 80, no. 3, 031106. (2.508 - IF2008). (2009 - Current Contents, WOS, SCOPUS). ISSN 2470-0045.

Citácie:

1. [1.1] DAS, Moupriya - RAY, Deb Shankar. Landauer s blow-torch effect in systems with entropic potential. In PHYSICAL REVIEW E. ISSN 1539-3755, 2015, vol. 92, no. 5, 052133., WOS
2. [1.1] WANG, Xinli - DRAZER, German. Transport of Brownian particles in a narrow, slowly varying serpentine channel. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2015, vol. 142, no. 15, 154114., WOS

ADCA380 KANAYA, T. - TSUKUSHI, T. - KAJI, K. - BARTOŠ, Josef - KRIŠTIAK, Jozef. Microscopic basis of free-volume concept as studied by quasielastic neutron scattering and positron annihilation lifetime spectroscopy. In Physical Review E, 1999, vol. 60, no. 2, p. 1906-1912. (2.066 - IF1998). (1999 - Current Contents). ISSN 2470-0045.

Citácie:

1. [1.1] CICERONE, M.T. - PIKAL, M.J. - QIAN, K.K. Stabilization of proteins in solid form. In ADVANCED DRUG DELIVERY REVIEWS. ISSN 0169-409X, OCT 1 2015, vol. 93, p. 14-24., WOS
2. [1.1] SANDITOV, D.S. Free volume of amorphous substances in the model of delocalized atoms. In DOKLADY PHYSICAL CHEMISTRY. ISSN 0012-5016, OCT 2015, vol. 464, 2, p. 255-257., WOS

ADCA381 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.

Citácie:

1. [1.1] BIGALL, Nadja C. - NANDAN, Bhanu - GOWD, E. Bhoje - HORECHYY, Andriy - EYCHMUELLER, Alexander. High-Resolution Metal Nanopatterning by Means of Switchable Block Copolymer Templates. In ACS APPLIED MATERIALS & INTERFACES. ISSN 1944-8244, 2015, vol. 7, no. 23, pp. 12559- 12569., WOS
2. [1.1] CANO, Laida - DI MAURO, A. Evelyn - PETRONELLA, Francesca - FANIZZA, Elisabetta - STRICCOLI, Marinella - CURRI, M. Lucia - TERCJAK,

Agnieszka. Effect of Iron Oxide Nanocrystal Content on the Morphology and Magnetic Properties of Polystyrene-block-poly(methyl methacrylate) Diblock Copolymer Based Nanocomposites. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2015, vol. 119, no. 11, pp. 6435-6445., WOS

3. [1.1] LV, Fengzhu - XU, Linan - XU, Zixian - FU, Liling - ZHANG, Yihe. Fabrication and Characterization of the Orientated MMT/PI Composite Films via Relatively Low Magnetic Field. In JOURNAL OF APPLIED POLYMER SCIENCE. ISSN 0021-8995, 2015, vol. 132, no. 1, 41224., WOS

ADCA382 KAVETSKYY, T. - TSMOTS, V. - KINOMURA, A. - KOBAYASHI, Y. - SUZUKI, R. - MOHAMED, H.F.M. - ŠAUŠA, Ondrej - NUZHDIN, 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, p. 4194-4200. (3.377 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 1520-6106.

Citácie:

1. [1.1] QI, N. - CHEN, Z. Q. - UEDONO, A. Molecular motion and relaxation below glass transition temperature in poly (methyl methacrylate) studied by positron annihilation. In RADIATION PHYSICS AND CHEMISTRY. ISSN 0969-806X, 2015, vol. 108, pp. 81-86., WOS

ADCA383 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. (0.705 - IF2013). (2014 - Current Contents). ISSN 1063-7826.

Citácie:

1. [1.1] SHPOTYUK, O. - INGRAM, A. - SZATANIK, R. - SHPOTYUK, M. - GOLOYCHAK, R. Structural-relaxation phenomena in As-S glasses as probed by combined PAL/DBAR technique. In MATERIALS CHEMISTRY AND PHYSICS. ISSN 0254-0584, 2015, vol. 155, pp. 76., WOS

2. [1.1] SHPOTYUK, O. - KOZYUKHIN, S. A. - SHPOTYUK, M. - INGRAM, A. - SZATANIK, R. Positronics of radiation-induced effects in chalcogenide glassy semiconductors. In SEMICONDUCTORS. ISSN 1063-7826, 2015, vol. 49, no. 3, pp. 298., WOS

ADCA384 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, 036601. (7.512 - IF2014). (2015 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Citácie:

1. [1.1] HEYDER, Jan - BAUER, Florian - SCHUBERT, Enrico - BOROWSKY, David - SCHUH, Dieter - WEGSCHEIDER, Werner - VON DELFT, Jan - LUDWIG, Stefan. Relation between the 0.7 anomaly and the Kondo effect: Geometric crossover between a quantum point contact and a Kondo quantum dot. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 92, no. 19, 195401., WOS

ADCA385 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. (2.409 - IF2013). (2014 - Current Contents). ISSN 0921-5093.

Citácie:

1. [1.1] ARAB, Seyyed Mohammad - KARIMI, Saeed - JAHROMI, Seyyed Ahmad Jenabali - JAVADPOUR, Sirus - ZEBARJAD, Seyyed Mojtaba. Fabrication of

novel fiber reinforced aluminum composites by friction stir processing. In MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING. ISSN 0921-5093, 2015, vol. 632, no., pp. 50-57., WOS

2. [1.1] AZARNIYA, Abolfazi - HOSSEINI, Hamid Reza Madaah - JAFARI, Mohadese - BAGHERI, Niloofar. Thermal decomposition of nanostructured Aluminum Titanate in an active Al matrix: A novel approach to fabrication of in situ Al/Al2O3-Al3Ti composites. In MATERIALS & DESIGN. ISSN 0264-1275, 2015, vol. 88, no., pp. 932-941., WOS

ADCA386 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.

Citácie:

1. [1.1] AMELLAL, H. - MESLOUHI, A. - HASSOUNI, Y. On the deformed cat state: Generating scheme via amplitude dispersion and the analysis of nonclassical features. In INTERNATIONAL JOURNAL OF MODERN PHYSICS B. ISSN 0217-9792, 2015, vol. 29, no. 32, 1550232., WOS

2. [1.1] JEONG, Hyunseok - KANG, Minsu - KWON, Hyukjoon. Characterizations and quantifications of macroscopic quantumness and its implementations using optical fields. In OPTICS COMMUNICATIONS. ISSN 0030-4018, 2015, vol. 337, pp. 12., WOS

3. [1.1] RAJESH, Asam - BANDYOPADHYAY, Malay. Quantum Brownian magneto-oscillator: Role of environmental spectrum and external magnetic field in decoherence and decay processes. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 92, no. 1, 012105., WOS

ADCA387 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.

Citácie:

1. [1.1] JUN, Jin Woo. Single-Photon Entanglement Purification Procedure in a Squeezed Generalized Amplitude Damping Channel. In JOURNAL OF THE KOREAN PHYSICAL SOCIETY. ISSN 0374-4884, 2015, vol. 67, no. 5, pp. L771., WOS

ADCA388 KIM, M.S. - LEE, K.S. - BUŽEK, Vladimír. Amplification of superposition states in phase-sensitive amplifiers. In Physical Review A, 1993, vol. 48, no. 5, p. 4302-4307. ISSN 1050-2947.

Citácie:

1. [1.1] JEONG, Hyunseok - KANG, Minsu - KWON, Hyukjoon. Characterizations and quantifications of macroscopic quantumness and its implementations using optical fields. In OPTICS COMMUNICATIONS. ISSN 0030-4018, 2015, vol. 337, pp. 12., WOS

ADCA389 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.

Citácie:

1. [1.1] ABBAS, Tasawar - RAMEEZ-UL-ISLAM - IKRAM, Manzoor. Beam Splitter-Mediated Quantum Information Processing Employing Momentum States of the Neutral Atoms. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2015, vol. 54, no. 4, pp. 1193., WOS

2. [1.1] AMELLAL, H. - MESLOUHI, A. - HASSOUNI, Y. On the deformed cat state: Generating scheme via amplitude dispersion and the analysis of nonclassical features. In INTERNATIONAL JOURNAL OF MODERN PHYSICS

B. ISSN 0217-9792, 2015, vol. 29, no. 32, 0550232., WOS
3. [1.1] BRUNELLI, Matteo - BENEDETTI, Claudia - OLIVARES, Stefano - FERRARO, Alessandro - PARIS, Matteo G. A. Single- and two-mode quantumness at a beam splitter. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 91, no. 6, 062315., WOS
4. [1.1] CARDENAS, P. C. - PATERNOSTRO, M. - SEMIAO, F. L. Non-Markovian qubit dynamics in a circuit-QED setup. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 91, no. 2, 022122., WOS
5. [1.1] CARIOLARO, Gianfranco - PIEROBON, Gianfranco. Fock expansion of multimode pure Gaussian states. In JOURNAL OF MATHEMATICAL PHYSICS. ISSN 0022-2488, 2015, vol. 56, no. 12, 122109., WOS
6. [1.1] CHILLE, Vanessa - QUINN, Niall - PEUNTINGER, Christian - CROAL, Callum - MISTA, Ladislav - MARQUARDT, Christoph - LEUCHS, Gerd - KOROLKOVA, Natalia. Quantum nature of Gaussian discord: Experimental evidence and role of system-environment correlations. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 91, no. 5, 050301., WOS
7. [1.1] COOPER, Merlin - SLADE, Eirion - KARPINSKI, Michal - SMITH, Brian J. Characterization of conditional state-engineering quantum processes by coherent state quantum process tomography. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2015, vol. 17, 033041., WOS
8. [1.1] CROAL, Callum - PEUNTINGER, Christian - CHILLE, Vanessa - MARQUARDT, Christoph - LEUCHS, Gerd - KOROLKOVA, Natalia - MISTA, Ladislav. Entangling the Whole by Beam Splitting a Part. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 115, no. 19, 190501., WOS
9. [1.1] DEY, Sanjib - HUSSIN, Veronique. Entangled squeezed states in noncommutative spaces with minimal length uncertainty relations. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 12, 124017., WOS
10. [1.1] DHAR, Himadri Shekhar - CHATTERJEE, Arpita - GHOSH, Rupamanjari. Generating continuous variable entangled states for quantum teleportation using a superposition of number-conserving operations. In JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS. ISSN 0953-4075, 2015, vol. 48, no. 18, 185502., WOS
11. [1.1] FARROW, T. - TAYLOR, R. A. - VEDRAL, V. Towards witnessing quantum effects in complex molecules. In FARADAY DISCUSSIONS. ISSN 1359-6640, 2015, vol. 184, pp. 183., WOS
12. [1.1] GE, Wenchao - TASGIN, Mehmet Emre - ZUBAIRY, M. Suhail. Conservation relation of nonclassicality and entanglement for Gaussian states in a beam splitter. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 92, no. 5, 052328., WOS
13. [1.1] HE, Bing - YAN, Shu-Bin - WANG, Jing - XIAO, Min. Quantum noise effects with Kerr-nonlinearity enhancement in coupled gain-loss waveguides. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 91, no. 5, 053832., WOS
14. [1.1] JAFARIZAEH, Mohammad Ali - NOSRATY, Farzam - SAHRAI, Mostafa. Quantification of bipartite and multipartite entangled states in Mach-Zehnder interferometer. In OPTICS COMMUNICATIONS. ISSN 0030-4018, 2015, vol. 338, no., pp. 380., WOS
15. [1.1] JEONG, Kabgyun - KIM, Jaewan - LEE, Su-Yong. Gaussian private quantum channel with squeezed coherent states. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2015, vol. 5, 13974., WOS
16. [1.1] PARK, Jiyong - NHA, Hyunchul. Demonstrating nonclassicality and non-Gaussianity of single-mode fields: Bell-type tests using generalized phase-space distributions. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol.

92, no. 6, 062134., WOS
17. [1.1] PARK, Kimin - MAREK, Petr - FILIP, Radim. Conditional superpositions of Gaussian operations on different modes of light. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 91, no. 3, 033814., WOS
18. [1.1] RIGOVACCA, L. - FARACE, A. - DE PASQUALE, A. - GIOVANNETTI, V. Gaussian discriminating strength. In PHYSICAL REVIEW A. ISSN 2469-9926, 2015, vol. 92, no. 4, 042331., WOS
19. [1.1] SABAPATHY, Krishna Kumar. Quantum-optical channels that output only classical states. In PHYSICAL REVIEW A. ISSN 2469-9926, 2015, vol. 92, no. 5, 052301., WOS
20. [1.1] STRELTSOV, Alexander - SINGH, Uttam - DHAR, Himadri Shekhar - BERA, Manabendra Nath - ADESSO, Gerardo. Measuring Quantum Coherence with Entanglement. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 115, no. 2, 020403., WOS
21. [1.1] TANG XU-BING - GAO FANG - WANG YAO-XIONG - KUANG SEN - SHUANG FENG. Non-Gaussian quantum states generation and robust quantum non-Gaussianity via squeezing field. In CHINESE PHYSICS B. ISSN 1674-1056, 2015, vol. 24, no. 3, 034208., WOS
22. [1.1] TRAPANI, Jacopo - BINA, Matteo - MANISCALCO, Sabrina - PARIS, Matteo G. A. Collapse and revival of quantum coherence for a harmonic oscillator interacting with a classical fluctuating environment. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 91, no. 2, 022113., WOS
23. [1.1] VOLKOFF, T. J. Nonclassical properties and quantum resources of hierarchical photonic superposition states. In JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS. ISSN 1063-7761, 2015, vol. 121, no. 5, pp. 770., WOS
24. [1.1] XIANG, Shao-Hua - SONG, Ke-Hui. Quantum non-Gaussianity of single-mode Schrodinger cat states based on Kurtosis. In EUROPEAN PHYSICAL JOURNAL D. ISSN 1434-6060, 2015, vol. 69, no. 11, 260., WOS

ADCA390 KLINOVAJA, J. - STAŇO, Peter - YAZDANI, A. - LOSS, D. Topological superconductivity and majorana fermions in RKKY systems. In Physical Review Letters, 2013, vol. 111, no. 18, 186805. (7.943 - IF2012). (2013 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Citácie:
1. [1.1] ALICEA, Jason - STERN, Ady. Designer non-Abelian anyon platforms: from Majorana to Fibonacci. In PHYSICA SCRIPTA. ISSN 0031-8949, 2015, vol. T164, 014006., WOS
2. [1.1] AMORIM, Cassio Sozinho - EBIHARA, Kazuto - YAMAKAGE, Ai - TANAKA, Yukio - SATO, Masatoshi. Majorana braiding dynamics in nanowires. In PHYSICAL REVIEW B. ISSN 2469-9950, 2015, vol. 91, no. 17, 174305., WOS
3. [1.1] BAUM, Yuval - POSSKE, Thore - FULGA, Ion Cosma - TRAUZETTEL, Bjoern - STERN, Ady. Gapless topological superconductors: Model Hamiltonian and realization. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 92, no. 4, 045128., WOS
4. [1.1] BEENAKKER, C. W. J. Random-matrix theory of Majorana fermions and topological superconductors. In REVIEWS OF MODERN PHYSICS. ISSN 0034-6861, 2015, vol. 87, no. 3, pp. 1037., WOS
5. [1.1] BRAUNECKER, Bernd - SIMON, Pascal. Self-stabilizing temperature-driven crossover between topological and nontopological ordered phases in one-dimensional conductors. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 92, no. 24, 241410., WOS
6. [1.1] BRYDON, P. M. R. - SARMA, S. Das - HUI, Hoi-Yin - SAU, Jay D.

Topological Yu-Shiba-Rusinov chain from spin-orbit coupling. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 91, no. 6, 064505., WOS
7. [1.1] CHEN HUAJUN - ZHU KADI. All-optical scheme for detecting the possible Majorana signature based on QD and nanomechanical resonator systems. In SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY. ISSN 1674-7348, 2015, vol. 58, no. 5, 050301., WOS
8. [1.1] CHEN, Hua-Jun - ZHU, Ka-Di. Surface Plasmon Enhanced Sensitive Detection for Possible Signature of Majorana Fermions via a Hybrid Semiconductor Quantum Dot-Metal Nanoparticle System. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2015, vol. 5, 13518., WOS
9. [1.1] CHEN, Wei - SCHNYDER, Andreas P. Majorana edge states in superconductor-noncollinear magnet interfaces. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 92, no. 21, 214502., WOS
10. [1.1] DMYTRUK, Olesia - TRIF, Mircea - SIMON, Pascal. Cavity quantum electrodynamics with mesoscopic topological superconductors. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 92, no. 24, 245432., WOS
11. [1.1] DUMITRESCU, Eugene - ROBERTS, Brenden - TEWARI, Sumanta - SAU, Jay D. - DAS SARMA, S. Majorana fermions in chiral topological ferromagnetic nanowires. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 91, no. 9, 094505., WOS
12. [1.1] EBISU, Hiromi - YADA, Keiji - KASAI, Hideaki - TANAKA, Yukio. Odd-frequency pairing in topological superconductivity in a one-dimensional magnetic chain. In PHYSICAL REVIEW B. ISSN 2469-9950, 2015, vol. 91, no. 5, 054518., WOS
13. [1.1] ELLIOTT, Steven R. - FRANZ, Marcel. Colloquium: Majorana fermions in nuclear, particle, and solid-state physics. In REVIEWS OF MODERN PHYSICS. ISSN 0034-6861, 2015, vol. 87, no. 1, FEB 11., WOS
14. [1.1] GAO, Yi - ZHOU, Tao - HUANG, Huaixiang - HUANG, Ran. Majorana zero modes in the hopping-modulated one-dimensional p-wave superconducting model. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2015, vol. 5., WOS
15. [1.1] GOPALAKRISHNAN, Sarang - PARKER, Colin V. - DEMLER, Eugene. Mobile Magnetic Impurities in a Fermi Superfluid: A Route to Designer Molecules. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 114, no. 4, 045301., WOS
16. [1.1] HAIM, Arbel - BERG, Erez - VON OPPEN, Felix - OREG, Yuval. Current correlations in a Majorana beam splitter. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 92, no. 24, 245112., WOS
17. [1.1] HALS, Kjetil M. D. - FLENSBERG, Karsten - RUDNER, Mark S. Nonlocal damping of helimagnets in one-dimensional interacting electron systems. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 92, no. 9, 094403., WOS
18. [1.1] HEIMES, Andreas - MENDLER, Daniel - KOTETES, Panagiotis. Interplay of topological phases in magnetic adatom-chains on top of a Rashba superconducting surface. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2015, vol. 17, 023051., WOS
19. [1.1] HU, Wenjian - SCALETTAR, Richard T. - SINGH, Rajiv R. P. Interplay of magnetic order, pairing, and phase separation in a one-dimensional spin-fermion model. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 92, no. 11, 115133., WOS
20. [1.1] HUI, Hoi-Yin - BRYDON, P. M. R. - SAU, Jay D. - TEWARI, S. - DAS SARMA, S. Majorana fermions in ferromagnetic chains on the surface of bulk spin-orbit coupled s-wave superconductors. In SCIENTIFIC REPORTS. ISSN

2045-2322, 2015, vol. 5, 8880., WOS
21. [1.1] KHIM, Heunghwan - LOPEZ, Rosa - LIM, Jong Soo - LEE, Minchul. Thermoelectric effect in the Kondo dot side-coupled to a Majorana mode. In EUROPEAN PHYSICAL JOURNAL B. ISSN 1434-6028, 2015, vol. 88, no. 6, 151., WOS
22. [1.1] KIM, Younghyun - ZHANG, Junhua - ROSSI, E. - LUTCHYN, Roman M. Impurity-Induced Bound States in Superconductors with Spin-Orbit Coupling. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 114, no. 23, 236804., WOS
23. [1.1] KLASSEN, Joel - WEN, Xiao-Gang. Topological degeneracy (Majorana zero-mode) and 1+1D fermionic topological order in a magnetic chain on superconductor via spontaneous Z(2)(f) symmetry breaking. In JOURNAL OF PHYSICS-CONDENSED MATTER. ISSN 0953-8984, 2015, vol. 27, no. 40, 405601., WOS
24. [1.1] KOTETES, Panagiotis - MENDLER, Daniel - HEIMES, Andreas - SCHOEN, Gerd. Majorana fermion fingerprints in spin-polarised scanning tunnelling microscopy. In PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES. ISSN 1386-9477, 2015, vol. 74, pp. 614., WOS
25. [1.1] MENARD, Gerbold C. - GUISSART, Sebastien - BRUN, Christophe - PONS, Stephane - STOLYAROV, Vasily S. - DEBONTRIDDER, Francois - LECLERC, Matthieu V. - JANOD, Etienne - CARIO, Laurent - RODITCHEV, Dimitri - SIMON, Pascal - CREN, Tristan. Coherent long-range magnetic bound states in a superconductor. In NATURE PHYSICS. ISSN 1745-2473, 2015, vol. 11, no. 12, pp. 1013., WOS
26. [1.1] PENG, Yang - PIENTKA, Falko - GLAZMAN, Leonid I. - VON OPPEN, Felix. Strong Localization of Majorana End States in Chains of Magnetic Adatoms. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 114, no. 10, 106801., WOS
27. [1.1] PENG, Yang - PIENTKA, Falko - VINKLER-AVIV, Yuval - GLAZMAN, Leonid I. - VON OPPEN, Felix. Robust Majorana Conductance Peaks for a Superconducting Lead. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 115, no. 26, 266804., WOS
28. [1.1] PERSHOGUBA, Sergey S. - BJORNSON, Kristofer - BLACK-SCHAFFER, Annica M. - BALATSKY, Alexander V. Currents Induced by Magnetic Impurities in Superconductors with Spin-Orbit Coupling. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 115, no. 11, 116602., WOS
29. [1.1] PERSSON, Daniel - SHEVTSOV, Oleksii - LOFWANDER, Tomas - FOGELSTROM, Mikael. Spectral properties of superconductors with ferromagnetically ordered magnetic impurities. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 92, no. 24, 245430., WOS
30. [1.1] PIENTKA, Falko - PENG, Yang - GLAZMAN, Leonid - VON OPPEN, Felix. Topological superconducting phase and Majorana bound states in Shiba chains. In PHYSICA SCRIPTA. ISSN 0031-8949, 2015, vol. T164, 014008., WOS
31. [1.1] RUBY, M. et al. End states and subgap structure. In PHYSICAL REVIEW LETTERS, 2015, vol. 115, no. 19, 197204., WOS
32. [1.1] RUBY, Michael - PIENTKA, Falko - PENG, Yang - VON OPPEN, Felix - HEINRICH, Benjamin W. - FRANKE, Katharina J. Tunneling Processes into Localized Subgap States in Superconductors. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 115, no. 8, 087001., WOS
33. [1.1] RUIZ-TIJERINA, David A. - VERNEK, E. - DIAS DA SILVA, Luis G. G. V. - EGUES, J. C. Interaction effects on a Majorana zero mode leaking into a quantum dot. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 91, no. 11,

115435., WOS
34. [1.1] SACRAMENTO, P. D. Magnetic chains on a triplet superconductor. In JOURNAL OF PHYSICS-CONDENSED MATTER. ISSN 0953-8984, 2015, vol. 27, no. 44, 445702., WOS
35. [1.1] SAU, Jay D. - BRYDON, P. M. R. Bound States of a Ferromagnetic Wire in a Superconductor. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 115, no. 12, 127003., WOS
36. [1.1] SCHARF, Benedikt - ZUTIC, Igor. Probing Majorana-like states in quantum dots and quantum rings. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 91, no. 14, 144505., WOS
37. [1.1] SCHECTER, Michael - RUDNER, Mark S. - FLENSBERG, Karsten. Spin-Lattice Order in One-Dimensional Conductors: Beyond the RKKY Effect. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 114, no. 24, 247205., WOS
38. [1.1] SEDLMAYR, N. - GUIGOU, M. - SIMON, P. - BENA, C. Majoranas with and without a 'character': hybridization, braiding and chiral Majorana number. In JOURNAL OF PHYSICS-CONDENSED MATTER. ISSN 0953-8984, 2015, vol. 27, no. 45, 455601., WOS
39. [1.1] TAI, Yuan-Yen - CHOI, Hongchul - AHMED, Towfiq - TING, C. S. - ZHU, Jian-Xin. Edge states and local electronic structure around an adsorbed impurity in a topological superconductor. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 92, no. 17, 174514., WOS
40. [1.1] TSVELIK, A. M. - YEVTUSHENKO, O. M. Quantum Phase Transition and Protected Ideal Transport in a Kondo Chain. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 115, no. 21, 216402., WOS
41. [1.1] WESTSTROM, Alex - POYHONEN, Kim - OJANEN, Teemu. Topological properties of helical Shiba chains with general impurity strength and hybridization. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 91, no. 6, 064502., WOS
42. [1.1] WU, Wen-Hao - ZHU, Ka-Di. Sensitive detection of Majorana fermions based on a hybrid spin-microcantilever via enhanced spin resonance spectrum. In NANOTECHNOLOGY. ISSN 0957-4484, 2015, vol. 26, no. 19, 195501., WOS
43. [1.1] XIAO, Jinpeng - AN, Jin. Chiral symmetries and Majorana fermions in coupled magnetic atomic chains on a superconductor. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2015, vol. 17, 113034., WOS
44. [1.1] ZITKO, Rok - LIM, Jong Soo - LOPEZ, Rosa - AGUADO, Ramon. Shiba states and zero-bias anomalies in the hybrid normal-superconductor Anderson model. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 91, no. 4, 045441., WOS
45. [1.1] ZVYAGIN, A. A. Pulse dynamics of quantum systems with pairing. In PHYSICAL REVIEW B. ISSN 2469-9950, 2015, vol. 92, no. 18, 184507., WOS

ADCA391 KLINOVAJA, J. - STAŇO, Peter - LOSS, D. Transition from fractional to Majorana fermions in Rashba nanowires. In Physical Review Letters, 2012, vol. 109, no. 23, 236801. (7.370 - IF2011). (2012 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Citácie:
1. [1.1] BRAUNECKER, Bernd - SIMON, Pascal. Self-stabilizing temperature-driven crossover between topological and nontopological ordered phases in one-dimensional conductors. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 92, no. 24, 241410., WOS
2. [1.1] GRAY, F. S. - KERNREITER, T. - GOVERNALE, M. - ZUELICKE, U. Coulomb-exchange effects in nanowires with spin splitting due to a radial electric

field. In PHYSICAL REVIEW B. ISSN 2469-9950, 2015, vol. 92, no. 11, 115414., WOS
3. [1.1] GUO, Huaiming - CHEN, Shu. Kaleidoscope of symmetry-protected topological phases in one-dimensional periodically modulated lattices. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 91, no. 4, 041402., WOS
4. [1.1] MANDAL, Ipsita. Exceptional points for chiral Majorana fermions in arbitrary dimensions. In EPL. ISSN 0295-5075, 2015, vol. 110, no. 6, 67005., WOS
5. [1.1] SCHARF, B.- ZUTIC, I. Probing Majorana-like states in quantum dots. In PHYSICAL REVIEW B, 2015, vol. 91, 144505., WOS
6. [1.1] SCHECTER, Michael - RUDNER, Mark S. - FLENSBERG, Karsten. Spin-Lattice Order in One-Dimensional Conductors: Beyond the RKKY Effect. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 114, no. 24, 247205., WOS
7. [1.1] SETIAWAN, F. - BRYDON, P. M. R. - SAU, Jay D. - DAS SARMA, S. Conductance spectroscopy of topological superconductor wire junctions. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 91, no. 21, 214513., WOS
8. [1.1] WANG, X. et al. Spontaneous PT-symmetry breaking. In PHYSICAL REVIEW A, 2015, vol. 92, 012116., WOS
9. [1.1] WESTSTROM, Alex - POYHONEN, Kim - OJANEN, Teemu. Topological properties of helical Shiba chains with general impurity strength and hybridization. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 91, no. 6, 064502., WOS
10. [1.1] XIONG, Ye - TONG, Peiqing. A NOT operation on Majorana qubits with mobilizable solitons in an extended Su-Schrieffer-Heeger model. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2015, vol. 17, 013017., WOS
11. [1.1] XIONG, Ye - TONG, Peiqing. Jackiw-Rebbi-type bound state carrying fractional fermion parity. In JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT. ISSN 1742-5468, 2015, P02013., WOS

ADCA392 KLOEFFEL, Ch. - TRIF, M. - STAŇO, Peter - LOSS, D. Circuit QED with hole-spin qubits in Ge/Si nanowire quantum dots. In Physical Review B, 2013, vol. 88, no. 24, 241405R. (3.767 - IF2012). (2013 - Current Contents, WOS, SCOPUS). ISSN 1550-235X.

Citácie:
1. [1.1] COTTET, A. - KONTOS, T. - DOUCOT, B. Electron-photon coupling in mesoscopic quantum electrodynamics. In PHYSICAL REVIEW B. ISSN 2469-9950, 2015, vol. 91, no. 20, 205417., WOS

ADCA393 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.

Citácie:
1. [1.1] BAO, L. et al. The critical point entanglement. In ENTROPY, 2015, vol. 17, no. 7, p. 5022-5042., WOS
2. [1.1] FAN RONG-HUA - GUO BANG-HONG - GUO JIAN-JUN - ZHANG CHENG-XIAN - ZHANG WEN-JIE - DU GE. Entangled W state of multi degree of freedom system based on orbital angular momentum. In ACTA PHYSICA SINICA. ISSN 1000-3290, 2015, vol. 64, no. 14, 140301., WOS
3. [1.1] GEETHA, P. J. - YASHODAMMA, K. O. - SUDHA. Monogamous nature of symmetric N-qubit states of the W class: Concurrence and negativity tangle. In CHINESE PHYSICS B. ISSN 1674-1056, 2015, vol. 24, no. 11, 110302., WOS
4. [1.1] LIN QING. Optical parity gate and a wide range of entangled states

generation. In SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY. ISSN 1674-7348, 2015, vol. 58, no. 4, 044201., WOS
5. [1.1] ROBLES, R. A. Robles - CHILINGARYAN, S. A. - RODRIGUEZ-LARA, B. M. - LEE, Ray-Kuang. Ground state in the finite Dicke model for interacting qubits. In PHYSICAL REVIEW A. ISSN 2469-9926, 2015, vol. 91, no. 3 ., WOS
6. [1.1] ZANG, X.-P. et al. Local expansion of atomic W state. In INDIAN JOURNAL OF PHYSICS, 2015, vol. 88, p. 1141-1145., WOS
7. [1.1] ZANG, Xue-Ping - YANG, Ming - WANG, Xian-Cai - SONG, Wei - CAO, Zhuo-Liang. Fusion of W states in a cavity quantum electrodynamic system. In CANADIAN JOURNAL OF PHYSICS. ISSN 0008-4204, 2015, vol. 93, no. 5, pp. 556., WOS

ADCA394 KOLANO-BURIAN, A. - KULIK, T. - VLASÁK, Gabriel - FERENC, J. - VARGA, L.K. Effect of Co addition on nanocrystallization and soft magnetic properties of (Fe1-xCox)73.5Cu1Nb3Si13.5B9 alloys. In Journal of Magnetism and Magnetic Materials, 2004, vol. 272, p. 1447-1448. (0.910 - IF2003). (2004 - Current Contents, WOS, SCOPUS). ISSN 0304-8853.

Citácie:

1. [1.1] WU, Xiao-rong - LI, De-ren - LI, Zhun - LU, Zhi-chao. Amorphous FeNiCoCuSiBCr Alloys with Superior Direct Current Tolerant Characteristics. In JOURNAL OF IRON AND STEEL RESEARCH INTERNATIONAL. ISSN 1006-706X, 2015, vol. 22, no. 2, pp. 145., WOS

ADCA395 KOLNIK, J. - OŽVOLD, Milan. The influence of inversion surface-layers on the evaluation of the interface state energy-distribution from Schottky-diode I-U characteristics. In Materials Chemistry and Physics, 1990, vol. 122, no. 2, p. 583-588. ISSN 0254-0584.

Citácie:

1. [1.1] AFIFY, H. A. - EL-NAHASS, M. M. - GADALLAH, A.S. - KHEDR, M. Atta. Carrier transport mechanisms and photodetector characteristics of Ag/TiOPc/p-Si/Al hybrid heterojunction. In MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING. ISSN 1369-8001, 2015, vol. 39, pp. 324., WOS
2. [1.1] KIM, Hogyoung - CHO, Yunae - JUNG, Chan Yeong - KIM, Se Hyun - KIM, Dong-Wook. Modulation of electrical properties in Cu/n-type InP Schottky junctions using oxygen plasma treatment. In SEMICONDUCTOR SCIENCE AND TECHNOLOGY. ISSN 0268-1242, 2015, vol. 30, no. 12, 125016., WOS

ADCA396 KOLNÍK, Ján - IVANČO, Ján - OŽVOLD, Milan. Metal thin insulator silicon Schottky diodes with plasma deposited silicon-nitride interfacial layer. In Physica Status Solidi A, 1992, vol. 130, no. 1, p. 245-251. (0.490 - IF1991). (1992 - Current Contents). ISSN 0031-8965.

Citácie:

1. [1.1] CHOI, Myung-Jea - KIM, Myeong-Ho - CHOI, Duck-Kyun. A transparent diode with high rectifying ratio using amorphous indium-gallium-zinc oxide/SiNx coupled junction. In APPLIED PHYSICS LETTERS. ISSN 0003-6951, 2015, vol. 107, no. 5, 053501., WOS

ADCA397 KONIORCZYK, M. - BUŽEK, Vladimír - ADAM, P. Simulation of generators of Markovian dynamics on programmable quantum processors. In European Physical Journal D, 2006, vol. 37, no. 2, p. 275-281.

Citácie:

1. [1.1] SWEKE, Ryan - SINAYSKIY, Ilya - BERNARD, Denis - PETRUCCIONE, Francesco. Universal simulation of Markovian open quantum systems. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 91, no. 6, 062308., WOS

ADCA398 KOPÁNI, M. - MIKULA, M. - JERGEL, Matej - FALCONY, C. - ORTEGA, L. -

PINČÍK, Emil. About an influence of Ar ion beam of very low energy on a-Si: H properties. In Vacuum, 2002, vol. 67, no. 1, p. 149-153.

Citácie:

1. [1.1] NEUMULLER, A.-SERGEEV, O.-VEHSE, M.-AGERT, C. Argon plasma treatment at the i-/p-interface in silicon thin-film solar cells and its influence on the light induced degradation. In ENERGY PROCEDIA, 2015, vol. 84, p. 242-250., WOS

ADCA399 KORENKO, Michal - KUCHARÍK, Marián - OBOŇA, Jozef Vincenc - JANIČKOVIČ, Dušan - CÓRDOBA, R. - DE TERESA, J.M. - KUBÍKOVÁ, Blanka. Nanotubes made from deeply undercooled cryolite/alumina melts. In Helvetica Chimica Acta, 2008, vol. 91, pp. 1389-1399. (1.515 - IF2007).

Citácie:

1. [1.1] BOCA, M. - RAKHMATULLIN, A. - MLYNARIKOVA, J. - HADZIMOVA, E. - VASKOVA, Z. - MICUSIK, M. In DALTON TRANSACTIONS. 2015, vol. 44, no. 39, p. 17106-17117., WOS

ADCA400 KORENKO, Michal - KUCHARÍK, Marián - JANIČKOVIČ, Dušan. Rapid solidification processing in molten salts chemistry: X-ray analysis of deeply undercooled cryolite-alumina melts. In Chemical papers, 2008, vol. 62, no. 2, p. 219-222. (0.367 - IF2007). (2008 - Current Contents). ISSN 0366-6352.

Citácie:

1. [1.1] SCHNEIDER, Hartmut - FISCHER, Reinhard X. - SCHREUER, Juergen. Mullite: Crystal Structure and Related Properties. In JOURNAL OF THE AMERICAN CERAMIC SOCIETY. ISSN 0002-7820, 2015, vol. 98, no. 10, pp. 2948., WOS

ADCA401 KOSCHNY, T. - MARKOŠ, Peter - SMITH, D.R. - SOUKOULIS, C.M. Resonant and antiresonant frequency dependence of the effective parameters of metamaterials. In Physical Review E, 2003, vol. 68, no. 6, 065602. (2.397 - IF2002). (2003 - Current Contents, SCOPUS). ISSN 2470-0045.

Citácie:

1. [1.1] ALAVIKIA, Babak - KABIRI, Ali - RAMAHI, Omar M. Poynting theorem constraints on the signs of the imaginary parts of the electromagnetic constitutive parameters. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA A-OPTICS IMAGE SCIENCE AND VISION. ISSN 1084-7529, 2015, vol. 32, no. 4, pp. 522., WOS

2. [1.1] ANDRYIEUSKI, A. - KUZNETSOVA, S. M. - LAVRINENKO, A. V. Applicability of point-dipoles approximation to all-dielectric metamaterials. In PHYSICAL REVIEW B. ISSN 2469-9950, 2015, vol. 92, no. 3, 035114., WOS

3. [1.1] BURGNIES, L. - LHEURETTE, E. - LIPPENS, D. Textile inspired flexible metamaterial with negative refractive index. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2015, vol. 117, no. 14, 144506., WOS

4. [1.1] COHEN, Doron - SHAVIT, Reuven. Bi-anisotropic Metamaterials Effective Constitutive Parameters Extraction Using Oblique Incidence S-Parameters Method. In IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION. ISSN 0018-926X, 2015, vol. 63, no. 5, pp. 2071., WOS

5. [1.1] HEIN, Sven M. - GIESSEN, Harald. Retardation-induced phase singularities in coupled plasmonic oscillators. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 91, no. 20, 205402., WOS

6. [1.1] HUANG, Xu - JIA, Kun - LIU, Xiaobo. Titanium Dioxide/Multi-Walled Carbon Nanotube Heterostructure Containing Single One Carbon Nanotube and Its Electromagnetic Properties. In NANO. ISSN 1793-2920, 2015, vol. 10, no. 7, 1550102., WOS

7. [1.1] HUANG, Xu - WANG, Kai - JIA, Kun - LIU, Xiaobo. Preparation of

TiO2-MWCNT core/shell heterostructures containing a single MWCNT and their electromagnetic properties. In COMPOSITE INTERFACES. ISSN 0927-6440, 2015, vol. 22, no. 5, pp. 343., WOS
8. [1.1] KISHOR, Kamal - BAITHA, Monu Nath - SINHA, R. K. Design and simulation of "I" shaped split ring resonator metamaterial at optical communication window around 1.55 mu m. In OPTIK. ISSN 0030-4026, 2015, vol. 126, no. 23, pp. 4708., WOS
9. [1.1] LEPETIT, Thomas - KANTE, Boubacar. Cramer-Rao bounds for determination of electric and magnetic susceptibilities in metasurfaces. In OPTICS EXPRESS. ISSN 1094-4087, 2015, vol. 23, no. 3, pp. 3460., WOS
10. [1.1] PAPADAKIS, Georgia T. - YEH, Pochi - ATWATER, Harry A. Retrieval of material parameters for uniaxial metamaterials. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 91, no. 15, 155406., WOS
11. [1.1] SRIVASTAVA, A. Elastic metamaterials and dynamic homogenization . In INTERNATIONAL JOURNAL OF SMART AND NANO MATERIALS, 2015, vol. 6, p. 41., WOS
12. [1.1] TAN, Siyu - YAN, Fengping - SINGH, Leena - CAO, Wei - XU, Ningning - HU, Xiang - SINGH, Ranjan - WANG, Mingwei - ZHANG, Weili. Terahertz metasurfaces with a high refractive index enhanced by the strong nearest neighbor coupling. In OPTICS EXPRESS. ISSN 1094-4087, 2015, vol. 23, no. 22, pp. 29222., WOS
13. [1.1] TRANG, Frank - ROGALLA, Horst - POPOVIC, Zoya. Effective Constitutive Parameters of High-Temperature Superconducting Split-Ring Resonator Arrays. In IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY. ISSN 1051-8223, 2015, vol. 25, no. 1, 1800107., WOS
14. [1.1] WAN, Lei - ZHANG, Jinfeng - CHEN, Yaqiong - WANG, Haoran - HU, Wenbin - LIU, Lei - DENG, Yida. Preparation, characterization and microwave absorbing properties of nano-sized yolk-in-shell Ni-P nanospheres. In JOURNAL OF PHYSICS D-APPLIED PHYSICS. ISSN 0022-3727, 2015, vol. 48, no. 35, 355302., WOS
15. [1.1] WANG, Haoran - WAN, Lei - CHEN, Yaqiong - HU, Wenbin - LIU, Lei - ZHONG, Cheng - DENG, Yida. Fabrication and microwave absorbing properties of NixPy nanotubes. In JOURNAL OF PHYSICS D-APPLIED PHYSICS. ISSN 0022-3727, 2015, vol. 48, no. 21, 215002., WOS
16. [1.1] WANG, Zhongzhu - BI, Hong - WANG, Min - WANG, Peihong - LIU, Xiansong. High microwave permittivity and resonance-antiresonance electromagnetic behaviors of flake-shaped cobalt microcrystals. In MATERIALS CHEMISTRY AND PHYSICS. ISSN 0254-0584, 2015, vol. 159, pp. 173., WOS
17. [1.1] ZHANG, Xu - DEBNATH, Sanjoy - GUENEY, Durdu Oe. Hyperbolic metamaterial feasible for fabrication with direct laser writing processes. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS. ISSN 0740-3224, 2015, vol. 32, no. 6, pp. 1013., WOS
18. [1.1] ZHONG, M. - YE, Y. H. Experimental and numerical study of a broad pass-band resonant optical metamaterials filter. In OPTICS COMMUNICATIONS. ISSN 0030-4018, 2015, vol. 349,pp. 42., WOS

ADCA402 KOSCHNY, T. - MARKOŠ, Peter - SMITH, D.R. - SOUKOULIS, C.M. Reply to comments on "resonant and antiresonant frequency dependence of the effective parameters of metamaterials". In Physical Review E, 2004, vol. 70, no. 4, 048603. (2.202 - IF2003). (2004 - Current Contents, SCOPUS). ISSN 2470-0045.

Citácie:

1. [1.1] CHEN, Jiangwei - WANG, Ruiqi - LV, Xiaoyun. The handedness and classification of materials. In OPTIK. ISSN 0030-4026, 2015, vol. 126, no. 24, pp.

4960., WOS

ADCA403 KOSCHNY, Th. - MARKOŠ, Peter - ECONOMOU, E.N. - SMITH, D.R. - VIER, D.C. - SOUKOULIS, C.M. Impact of inherent periodic structure on effective medium description of left-handed and related metamaterials. In Physical Review B, 2005, vol. 71, no. 24, 245105. (3.075 - IF2004). (2005 - Current Contents). ISSN 1550-235X.

Citácie:

1. [1.1] ANOKHIN, M. N. - TISHCHENKO, A. A. - STRIKHANOV, M. N. Dielectric permittivity of artificial periodic structure and local field effects. In 2ND INTERNATIONAL SCHOOL AND CONFERENCE SAINT-PETERSBURG OPEN ON OPTOELECTRONICS, PHOTONICS, ENGINEERING AND NANOSTRUCTURES (SPBOPEN2015). ISSN 1742-6588, 2015, vol. 643, 012066., WOS

2. [1.1] BI, Ke - ZENG, Lingyu - CHEN, Hao - FANG, Chang - WANG, Qingmin - LEI, Ming. Magnetic coupling effect of Mie resonance-based metamaterial with inclusion of split ring resonators. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2015, vol. 646,pp. 680., WOS

3. [1.1] CHEN, F. - SEMOUCHKINA, E. Negative Refraction in Arrays of Identical Dielectric Resonators. In 2015 31st International Review of Progress in Applied Computational Electromagnetics (ACES) Vol 31, 2015, pp., WOS

4. [1.1] CHEN, Xu - FAN, Wen-Hui. Plasmon-induced transparency in terahertz planar metamaterials. In OPTICS COMMUNICATIONS. ISSN 0030-4018, 2015, vol. 356, pp. 84., WOS

5. [1.1] CHENG, Y. - ZHOU, C. - YUAN, B. G. - WU, D. J. - WEI, Q. - LIU, X. J. Ultra-sparse metasurface for high reflection of low-frequency sound based on artificial Mie resonances. In NATURE MATERIALS. ISSN 1476-1122, 2015, vol. 14, no. 10, pp. 1013., WOS

6. [1.1] GENG TAO - WANG YAN - WANG XIN - DONG XIANG-MEI. Effective medium theory of two-dimensional photonic crystal for transverse electric mode beyond the long-wavelength limit. In ACTA PHYSICA SINICA. ISSN 1000-3290, 2015, vol. 64, no. 15, 154210., WOS

7. [1.1] MIN, Li - HUANG, Lirong. Perspective on resonances of metamaterials. In OPTICS EXPRESS. ISSN 1094-4087, 2015, vol. 23, no. 15, pp. 19022., WOS

8. [1.1] WANG, Zhongzhu - BI, Hong - WANG, Min - WANG, Peihong - LIU, Xiansong. High microwave permittivity and resonance-antiresonance electromagnetic behaviors of flake-shaped cobalt microcrystals. In MATERIALS CHEMISTRY AND PHYSICS. ISSN 0254-0584, 2015, vol. 159, pp. 173., WOS

9. [1.1] YANNOPAPAS, Vassilios. Binary alloy of virus capsids and gold nanoparticles as a Mie-resonance-based optical metamaterial. In SOLID STATE COMMUNICATIONS. ISSN 0038-1098, 2015, vol. 204, pp. 51., WOS

10. [1.1] ZHANG, Xu - DEBNATH, Sanjoy - GUENEY, Durdu Oe. Hyperbolic metamaterial feasible for fabrication with direct laser writing processes. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS. ISSN 0740-3224, 2015, vol. 32, no. 6, pp. 1013., WOS

11. [1.1] ZHANG, Xu - USI, Elvis - KHAN, Suhail K. - SADATGOL, Mehdi - GUENEY, Durdu Oe. Extremely Sub-Wavelength Negative Index Metamaterial. In PROGRESS IN ELECTROMAGNETICS RESEARCH-PIER. ISSN 1559-8985, 2015, vol. 152, pp. 95., WOS

12. [1.1] ZHAO, Qian - XIAO, Zongqi - ZHANG, Fuli - MA, Junming - QIAO, Ming - MENG, Yonggang - LAN, Chuwen - LI, Bo - ZHOU, Ji - ZHANG, Peng - SHEN, Nian-Hai - KOSCHNY, Thomas - SOUKOULIS, Costas M. Tailorable Zero-Phase Delay of Subwavelength Particles toward Miniaturized Wave

Manipulation Devices. In ADVANCED MATERIALS. ISSN 0935-9648, 2015, vol. 27, no. 40, pp. 6187., WOS

13. [1.1] ZHONG, M. - YE, Y. H. Experimental and numerical study of a broad pass-band resonant optical metamaterials filter. In OPTICS COMMUNICATIONS. ISSN 0030-4018, 2015, vol. 349, pp. 42., WOS

14. [1.1] ZHONG, M. - YE, Y. H. Numerical demonstration of compound structure broad pass-band optical metamaterial filter. In APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING. ISSN 0947-8396, 2015, vol. 119, no. 2, pp. 639., WOS

15. [1.1] ZHONG, Min. Experimental and numerical study of a broad pass-band low-loss optical metamaterials filter. In OPTICAL MATERIALS. ISSN 0925-3467, 2015, vol. 47, pp. 62., WOS

ADCA404 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.

Citácie:

1. [1.1] DU, Yi-Mu - LU, Li-Hua - LI, You-Quan. Switching effect of the side chain on quantum walks on triple graphs. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 92, no. 1, 012309., WOS

2. [1.1] QIN WEI - LI JUN-LIN - LONG GUI-LU. High-dimensional quantum state transfer in a noisy network environment. In CHINESE PHYSICS B. ISSN 1674-1056, 2015, vol. 24, no. 4, 040305., WOS

3. [1.1] WANG, Huiquan - WU, Junjie - YANG, Xuejun - YI, Xun. A graph isomorphism algorithm using signatures computed via quantum walk search model. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2015, vol. 48, no. 11, 115302., WOS

ADCA405 KOŠÍK, Jozef - BUŽEK, Vladimír - HILLERY, M. Quantum walks with random phase shifts. In Physical Review A, 2006, vol. 74, 022310. (2006 - Current Contents, SCOPUS). ISSN 1050-2947.

Citácie:

1. [1.1] ZHAO, Jing - TONG, Peiqing. One-dimensional quantum walks subject to next-nearest-neighbour hopping decoherence. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2015, vol. 14, no. 7, pp. 2357., WOS

ADCA406 KOZULIN, E.M. - KNYAZHEVA, G.N. - ITKIS, I.M. - ITKIS, M.G. - BOGACHEV, A.A. - KRUPA, Ľuboš - LOKTEV, T.A. - SMIRNOV, S.V. - ZAGREBAEV, V.I. - AYSTO, J. - TRZASKA, W.H. - RUBCHENYA, V.A. - VARDACI, E. - STEFANINI, A.M. - CINAUSERO, M. - CORRADI, L. - FIORETTO, E. - MASON, P. - PRETE, G.F. - SILVESTRI, R. - BEGNINI, S. - MONTAGNOLI, G. - SCARLASSARA, F. - HANAPPE, F. - KHLEBNIKOV, S.V. - KLIMAN, Ján - BRONDI, A. - DI NITTO, A. - MORO, R. - GELLI, N. - SZILNER, S. Investigation of the reaction (64)Ni+(238)U being an option of synthesizing element 120. In Physics Letters B, 2010, vol. 686, no. 4-5, p. 227-232. (5.083 - IF2009). (2010 - Current Contents, WOS, SCOPUS). ISSN 0370-2693.

Citácie:

1. [1.1] BANERJEE, Tathagata - NATH, S. - PAL, Santanu. Fusion probability in heavy nuclei. In PHYSICAL REVIEW C. ISSN 2469-9985, 2015, vol. 91, no. 3, 034619., WOS

2. [1.1] BHATTACHARYA, S. - CHAUDHURI, A. - GHOSH, T. K. - BANERJEE, K. - BHATTACHARYA, C. - KUNDU, S. - MUKHERJEE, G. - RANA, T. K. - ROY, P. - PANDEY, R. - BHATTACHARYA, P. Fusion fission dynamics: fragment mass distribution studies. In EPJ WEB OF CONFERENCE, 2015, vol. 86, 00004., WOS

3. [1.1] KHUYAGBAATAR, J. - HINDE, D. J. - CARTER, I. P. - DASGUPTA, M.

- DUELLMANN, Ch. E. - EVERS, M. - LUONG, D. H. - DU RIETZ, R. - WAKHLE, A. - WILLIAMS, E. - YAKUSHEV, A. Experimental study of the quasifission, fusion-fission, and de-excitation of Cf compound nuclei. In PHYSICAL REVIEW C. ISSN 2469-9985, 2015, vol. 91, no. 5, 054608., WOS

4. [1.1] WAKHLE, A. - SIMENEL, C. - HINDE, D. J. - DASGUPTA, M. - EVERS, M. - LUONG, D. H. - DU RIETZ, R. Comparing Experimental and Theoretical Quasifission Mass Angle Distributions. In EPJ WEB OF CONFERENCE , 2015, vol. 86, 00061., WOS

ADCA407 KRAJČÍ, Marián - HAFNER, Jürgen. Covalent bonding and bandgap formation in intermetallic compounds: a case study for Al3V. In Journal of Physics: Condensed Matter, 2002, vol. 14, no. 8, p. 1865-1879. (1.611 - IF2001). (2002 - Current Contents, WOS, SCOPUS). ISSN 0953-8984.

Citácie:

1. [1.1] CHEN, Zhe - ZHANG, Peng - CHEN, Dong - WU, Yi - WANG, Mingliang - MA, Naiheng - WANG, Haowei. First-principles investigation of thermodynamic, elastic and electronic properties of Al3V and Al3Nb intermetallics under pressures. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2015, vol. 117, no. 8, 085904., WOS

ADCA408 KRAJČÍ, Marián - HAFNER, Jürgen. Covalent bonding and bandgap formation in transition-metal aluminides: di-aluminides of group VIII transition metals. In Journal of Physics: Condensed Matter, 2002, vol. 14, no. 23, p. 5755-5783. (1.611 - IF2001). (2002 - Current Contents, WOS, SCOPUS). ISSN 0953-8984.

Citácie:

1. [1.1] KITAHARA, Koichi - TAKAGIWA, Yoshiki - KIMURA, Kaoru. Semimetallic Band Structure and Cluster-Based Description of a Cubic Quasicrystalline Approximant in the Al-Cu-Ir System. In JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN. ISSN 0031-9015, 2015, vol. 84, no. 1, 014703., WOS

ADCA409 KRAJČÍ, Marián - HAFNER, Jürgen. Semiconductivity in aluminum-transition-metal quasicrystalline alloys induced by ordering in six dimensions. In Europhysics Letters. - Paris : E D P Sciences, 2003, vol. 63, no. 1, p. 63-68. (2.360 - IF2002). (2003 - Current Contents). ISSN 0295-5075.

Citácie:

1. [1.1] KITAHARA, Koichi - TAKAGIWA, Yoshiki - KIMURA, Kaoru. Semimetallic Band Structure and Cluster-Based Description of a Cubic Quasicrystalline Approximant in the Al-Cu-Ir System. In JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN. ISSN 0031-9015, 2015, vol. 84, no. 1, 014703., WOS

ADCA410 KRAJČÍ, Marián - HAFNER, J. Selective semi-hydrogenation of acetylene: Atomistic scenario for reactions on the polar threefold surfaces of GaPd. In Journal of Catalysis, 2014, vol. 312, p. 232-248. (6.073 - IF2013). (2014 - Current Contents). ISSN 0021-9517.

Citácie:

1. [1.1] BECHTHOLD, P. - SANDOVAL, M. - GONZALEZ, E. A. - BRIZUELA, G. - BONIVARDI, A. - JASEN, P. V. The Electronic Structure and Bonding of Acetylene on PdGa(110). In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2015, vol. 119, no. 32, pp. 18229., WOS

2. [1.1] MCGUIRK, G. M. - LEDIEU, J. - GAUDRY, E. - DE WEERD, M.C. - HAHNE, M. - GILLE, P. - IVARSSON, D. C. A. - ARMBRUESTER, M. - ARDINI, J. - HELD, G. - MACCHEROZZI, F. - BAYER, A. - LOWE, M. - PUSSI, K. - DIEHL, R. D. - FOURNEE, V. The atomic structure of low-index surfaces of the intermetallic compound InPd. In JOURNAL OF CHEMICAL PHYSICS. ISSN

0021-9606, 2015, vol. 143, no. 7, 074705., WOS

ADCA411 KRAJČÍ, Marián - HAFNER, J. Semihydrogenation of acetylene on the (010) surface of GaPd2: Ga enrichment improves selectivity. In Journal of Physical Chemistry C, 2014, vol. 118, no. 23, p. 12285-12301. (4.835 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 1932-7447.

Citácie:

1. [1.1] BECHTHOLD, P. - SANDOVAL, M. - GONZALEZ, E. A. - BRIZUELA, G. - BONIVARDI, A. - JASEN, P. V. The Electronic Structure and Bonding of Acetylene on PdGa(110). In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2015, vol. 119, no. 32, pp. 18229., WOS

ADCA412 KRAJČÍ, Marián - HAFNER, Jürgen. Electronic and magnetic properties of hexagonal rare-earth-Zn-Mg compounds [...]. In Journal of Physics: Condensed Matter, 2000, vol. 12, no. 27, p. 5831-5842. (1.639 - IF1999). (2000 - Current Contents, SCOPUS). ISSN 0953-8984.

Citácie:

1. [1.1] NAYAK, J. - MANIRAJ, M. - GLOSKOVSKII, A. - KRAJCI, M. - SEBASTIAN, S. - FISHER, I. R. - HORN, K. - BARMAN, S. R. Bulk electronic structure of Zn-Mg-Y and Zn-Mg-Dy icosahedral quasicrystals. In PHYSICAL REVIEW B. ISSN 2469-9950, 2015, vol. 91, no. 23, 235116., WOS

ADCA413 KRAJČÍ, Marián - HAFNER, J. The (210) surface of intermetallic B20 compound GaPd as a selective hydrogenation catalyst: A DFT study. In Journal of Catalysis, 2012, vol. 295, p. 70-80. (6.002 - IF2011). (2012 - Current Contents). ISSN 0021-9517.

Citácie:

1. [1.1] BECHTHOLD, P. - SANDOVAL, M. - GONZALEZ, E. A. - BRIZUELA, G. - BONIVARDI, A. - JASEN, P. V. The Electronic Structure and Bonding of Acetylene on PdGa(110). In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2015, vol. 119, no. 32, pp. 18229., WOS

2. [1.1] LEDIEU, J. - DE WEERD, M.C - HAHNE, M. - GILLE, P. - FOURNEE, V. Pseudomorphic growth mode of Pb on the Al13Fe4(010) approximant surface. In APPLIED SURFACE SCIENCE. ISSN 0169-4332, 2015, vol. 356, pp. 862., WOS

ADCA414 KRAJČÍ, Marián - HAFNER, J. Intermetallic compound AlPd as a selective hydrogenation catalyst: A DFT study. In Journal of Physical Chemistry C, 2012, vol. 116, no. 10, p. 6307-6319. (4.805 - IF2011). (2012 - Current Contents). ISSN 1932-7447.

Citácie:

1. [1.1] HE, Pu - FAN, Changzeng - LI, Jian. Al3Pd2, a novel intermetallic compound: A first-principles study. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2015, vol. 649, pp. 54., WOS

2. [1.1] LEDIEU, J. - DE WEERD, M.C - HAHNE, M. - GILLE, P. - FOURNEE, V. Pseudomorphic growth mode of Pb on the Al13Fe4(010) approximant surface. In APPLIED SURFACE SCIENCE. ISSN 0169-4332, 2015, vol. 356, pp. 862., WOS

ADCA415 KRAJČÍ, Marián - HAFNER, J. Complex intermetallic compounds as selective hydrogenation catalysts- A case study for the (100) surface of Al(13)Co(4). In Journal of Catalysis, 2011, vol. 278, no. 2, p. 200-207. (5.415 - IF2010). (2011 - Current Contents). ISSN 0021-9517.

Citácie:

1. [1.1] LEDIEU, J. - DE WEERD, M.C - HAHNE, M. - GILLE, P. - FOURNEE, V. Pseudomorphic growth mode of Pb on the Al13Fe4(010) approximant surface. In APPLIED SURFACE SCIENCE. ISSN 0169-4332, 2015, vol. 356, pp. 862.,

WOS
2. [1.1] PALCUT, Marian - PRIPUTEN, Pavol - SALGO, Kristian - JANOVEC, Jozef. Phase constitution and corrosion resistance of Al-Co alloys. In MATERIALS CHEMISTRY AND PHYSICS. ISSN 0254-0584, 2015, vol. 166, pp. 95., WOS
3. [1.1] WARDE, M. - HERINX, M. - LEDIEU, J. - LOLI, L. N. Serkovic - FOURNEE, V. - GILLE, P. - LE MOAL, S. - BARTHES-LABROUSSE, M.G. Adsorption of O-2 and C2Hn (n=2, 4, 6) on the Al9Co2(001) and o-Al13Co4(100) complex metallic alloy surfaces. In APPLIED SURFACE SCIENCE. ISSN 0169-4332, 2015, vol. 357, pp. 1666., WOS

ADCA416 KRAJČÍ, Marián - HAFNER, Jürgen - MIHALKOVIČ, Marek. Atomic and electronic structure of decagonal. In Physical Review B, 2000, vol. 62, no. 1, p. 243-255. (3.008 - IF1999). (2000 - Current Contents). ISSN 1550-235X.
Citácie:
1. [1.2] ROGALEV, V. A. - GRÖNING, O. - WIDMER, R. - DIL, J. H. - BISTI, F. - LEV, L. L. - SCHMITT, T. - STROCOV, V. N. Fermi states and anisotropy of Brillouin zone scattering in the decagonal Al-Ni-Co quasicrystal. In Nature Communications, 2015-10-07, 6, 8607., SCOPUS

ADCA417 KRAJČÍ, Marián - HAFNER, J. Prediction of insulating quasicrystalline approximants using ab initio electronic structure calculations. In Physical Review B. - New York : APS Publishing, 2003, vol. 67, no. 5, p. 052201-1-4. (3.327 - IF2002). (2003 - Current Contents). ISSN 1550-235X.
Citácie:
1. [1.1] KITAHARA, Koichi - TAKAGIWA, Yoshiki - KIMURA, Kaoru. Semimetallic Band Structure and Cluster-Based Description of a Cubic Quasicrystalline Approximant in the Al-Cu-Ir System. In JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN. ISSN 0031-9015, 2015, vol. 84, no. 1, 014703., WOS

ADCA418 KRAJČÍ, Marián - HAFNER, Jürgen. Semiconducting Al-transition-metal quasicrystals. In Physical Review B, 2003, vol. 68, no. 16, 165202. (3.327 - IF2002). (2003 - Current Contents). ISSN 1550-235X.
Citácie:
1. [1.1] KITAHARA, Koichi - TAKAGIWA, Yoshiki - KIMURA, Kaoru. Semimetallic Band Structure and Cluster-Based Description of a Cubic Quasicrystalline Approximant in the Al-Cu-Ir System. In JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN. ISSN 0031-9015, 2015, vol. 84, no. 1, 014703., WOS

ADCA419 KRAJČÍ, Marián - HAFNER, J. Ab initio study of quasiperiodic monolayers on a fivefold i-AlPdMn surface. In Physical Review B, 2005, vol. 71, no. 18, 184207. (3.075 - IF2004). (2005 - Current Contents). ISSN 1550-235X.
Citácie:
1. [1.1] MATILAINEN, A. - PUSSI, K. - DIEHL, R. D. - HAHNE, M. - GILLE, P. - GAUDRY, E. - LOLI, L. N. Serkovic - MCGUIRK, G. M. - DE WEERD, M.C. - FOURNEE, V. - LEDIEU, J. Structure of the monoclinic Al13Fe4(010) complex metallic alloy surface determined by low-energy electron diffraction. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 92, no. 1, 014109., WOS

ADCA420 KRAJČÍ, Marián - HAFNER, Jürgen. Structure, stability and electronic properties of the i-AlPdMn quasicrystalline surface. In Physical Review B, 2005, vol. 71, no. 5, 054202. (3.075 - IF2004). (2005 - Current Contents). ISSN 1550-235X.
Citácie:
1. [1.1] MADISON, Alexey E. Atomic structure of icosahedral quasicrystals: stacking multiple quasi-unit cells. In RSC ADVANCES. ISSN 2046-2069, 2015,

vol. 5, no. 97, pp. 79279., WOS

ADCA421 KRAJČÍ, Marián - HAFNER, J. Topologically induced semiconductivity in icosahedral Al-Pd-Re and its approximants. In Physical Review B, 2007, vol. 75, no. 2, 024116. (3.107 - IF2006). (2007 - Current Contents, WOS, SCOPUS). ISSN 1550-235X.

Citácie:

1. [1.1] KITAHARA, Koichi - TAKAGIWA, Yoshiki - KIMURA, Kaoru. Semimetallic Band Structure and Cluster-Based Description of a Cubic Quasicrystalline Approximant in the Al-Cu-Ir System. In JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN. ISSN 0031-9015, 2015, vol. 84, no. 1, 014703., WOS

ADCA422 KRAJČÍ, Marián - WINDISCH, M. - HAFNER, J. - KRESSE, G. - MIHALKOVIČ, Marek. Atomic and electronic-structure of icosahedral al-pd-mn alloys and approximant phases. In Physical Review B, 1995, vol. 51, no. 24, p. 17355-17378. (3.187 - IF1994). (1995 - Current Contents). ISSN 1550-235X.

Citácie:

1. [1.1] MIZUTANI, Uichiro - SATO, Hirokazu - INUKAI, Manabu - NISHINO, Yoichi - ZIJLSTRA, Eeuwe Sieds. Electrons per Atom Ratio Determination and Hume-Rothery Electron Concentration Rule for P-Based Polar Compounds Studied by FLAPW-Fourier Calculations. In INORGANIC CHEMISTRY. ISSN 0020-1669, 2015, vol. 54, no. 3, pp. 930., WOS

ADCA423 KRAJČÍ, Marián - HAFNER, J. - MIHALKOVIČ, Marek. Ab initio study of the surface of a decagonal Al-Co-Ni quasicrystal. In Physical Review B, 2006, vol. 73, no. 13, 134203. (3.185 - IF2005). (2006 - Current Contents, WOS, SCOPUS). ISSN 1550-235X.

Citácie:

1. [1.1] MATILAINEN, A. - PUSSI, K. - DIEHL, R. D. - HAHNE, M. - GILLE, P. - GAUDRY, E. - LOLI, L. N. Serkovic - MCGUIRK, G. M. - DE WEERD, M.C. - FOURNEE, V. - LEDIEU, J. Structure of the monoclinic Al13Fe4(010) complex metallic alloy surface determined by low-energy electron diffraction. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 92, no. 1, 014109., WOS

ADCA424 KRAJČÍ, Marián - HAFNER, J. Magnetism at surfaces and defects in icosahedral Al-Pd-Md quasicrystals. In Physical Review B, 2009, vol. 80, no. 21, 214419. (3.322 - IF2008). (2009 - Current Contents, WOS, SCOPUS). ISSN 1550-235X.

Citácie:

1. [1.1] MEIER, M. - LEDIEU, J. - DE WEERD, M.C. - HUANG, Ying-Tzu - ABREU, G. J. P. - PUSSI, K. - DIEHL, R. D. - MAZET, T. - FOURNEE, V. - GAUDRY, E. Interplay between bulk atomic clusters and surface structure in complex intermetallic compounds: The case study of the Al5Co2(001) surface. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 91, no. 8, 085414., WOS

ADCA425 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. (0.959 - IF2007). (2008 - Current Contents). ISSN 0018-9464.

Citácie:

1. [1.1] LIN, Xinhua - LI, Jie - TANG, Ming. Magnetoinductance Effect in Co67Fe4Si14.5B14.5 Amorphous Ribbons Annealed With Different Orientation Magnetic Fields. In IEEE TRANSACTIONS ON MAGNETICS. ISSN 0018-9464, 2015, vol. 51, no. 7, 2001806., WOS

ADCA426 KRAUS, L. - ZAVETA, K. - HECZKO, O. - DUHAJ, Pavol - VLASÁK, Gabriel - SCHNEIDER, J. Magnetic-anisotropy in as-quenched and stress-annealed amorpous and nanocrystalline fe73.5cu1nb3si13.5b9 allozs. In Journal of Magnetism and

Magnetic Materials, 1992, vol. 112, no. 1-3, p. 275-277. ISSN 0374-4884.

Citácie:

1. [1.1] CSIZMADIA, Elek - VARGA, Lajos K. - PALANKI, Zoltan - ZAMBORSZKY, Ferenc. Creep or tensile stress induced anisotropy in FINEMET-type ribbons? In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2015, vol. 374, pp. 587., WOS

2. [1.1] NOSENKO, Anton - MIKA, Taras - RUDENKO, Olexandr - YARMOSHCHUK, Yevhenii - NOSENKO, Viktor. Soft magnetic properties of nanocrystalline Fe73B7Si16Nb3Cu1 alloy after rapid heating under tensile stress. In NANOSCALE RESEARCH LETTERS. ISSN 1556-276X, 2015, vol. 10, pp. 1-8., WOS

3. [1.1] WU, Xiao-rong - LI, De-ren - LI, Zhun - LU, Zhi-chao. Amorphous FeNiCoCuSiBCr Alloys with Superior Direct Current Tolerant Characteristics. In JOURNAL OF IRON AND STEEL RESEARCH INTERNATIONAL. ISSN 1006-706X, 2015, vol. 22, no. 2, pp. 145-149., WOS

ADCA427 KRAUS, L. - FENDRYCH, F. - ŠVEC, Peter - BYDŽOVSKÝ, J. - KOLLÁR, Miroslav. Cobalt-rich amorphous ribbons for strain sensing civil engineering. In Journal of Optoelectronics and Advanced Materials, 2002, vol. 4, no. 2, p. 237-243. (0.274 - IF2001). ISSN 1454-4164.

Citácie:

1. [1.1] KATRANAS, George S. - MEYDAN, Turgut - WILLIAMS, Paul I. The Influence of Substrate Stiffness on the Performance of a Magnetoelastic Bilayer Gas Flow Sensor. In IEEE TRANSACTIONS ON MAGNETICS. ISSN 0018-9464, 2015, vol. 51, no. 1, 4002204., WOS

ADCA428 KRAUS, L. - BYDŽOVSKÝ, J. - ŠVEC, Peter. Continuous stress annealing of amorphous ribbons for strain sensing applications. In Sensors and Actuators A, 2003, vol. 106, p. 117-120.

Citácie:

1. [1.1] SARKAR, Partha - VCELAK, Jan - ROY, Rajat K. - PANDA, Ashis K. - MITRA, Amitava - RIPKA, Pavel. Co-Based Amorphous Material for Giant Magnetoimpedance and Fluxgate Sensing Cores. In IEEE TRANSACTIONS ON MAGNETICS. ISSN 0018-9464, 2015, vol. 51, no. 11, 2002404., WOS

ADCA429 KRAUS, Luděk - MALÁTEK, Michal - POSTAVA, Kamil - JANIČKOVIČ, Dušan. Asymmetric giant magnetoimpedance in stress-field annealed CoFeBSi amorphous ribbons. In Journal of Magnetism and Magnetic Materials, 2005, vol. 290-291, p. 1131-1133.

Citácie:

1. [1.1] KIKUCHI, H. - KAMATA, S. - OE, S. - NAKAI, T. - HASHI, S. - ISHIYAMA, K. yy Improvement of Stepped Magnetoimpedance Properties by Controlling the Demagnetizing Effect. In IEEE TRANSACTIONS ON MAGNETICS. ISSN 0018-9464, 2015, vol. 51, no. 11, 4004304., WOS

ADCA430 KRIŠTIAK, Jozef - BARTOŠ, Josef - KRIŠTIAKOVÁ, Katarína - ŠAUŠA, Ondrej - BANDŽUCH, Peter. Free-volume microstructure of amorphous polycarbonate at low-temperatures determined by positron-annihilation-lifetime spectroscopy. In Physical Review B, 1994, vol. 49, no. 10, p. 6601-6607. (3.159 - IF1993). (1994 - Current Contents). ISSN 1550-235X.

Citácie:

1. [1.1] NGAI, K. L. - CAPACCIOLI, S. - PREVOSTO, D. - WANG, Li-Min. Coupling of Caged Molecule Dynamics to JG beta-Relaxation II: Polymers. In JOURNAL OF PHYSICAL CHEMISTRY B. ISSN 1520-6106, 2015, vol. 119, no. 38, pp. 12502., WOS

2. [1.1] NGAI, K. L. - CAPACCIOLI, S. - PREVOSTO, D. - WANG, Li-Min.

Coupling of Caged Molecule Dynamics to JG beta-Relaxation III: van der Waals Glasses. In JOURNAL OF PHYSICAL CHEMISTRY B. ISSN 1520-6106, 2015, vol. 119, no. 38, pp. 12519., WOS

ADCA431 KRIŠTIAKOVÁ, K. - ŠVEC, Peter - KRIŠTIAK, Jozef - DUHAJ, Pavol - ŠAUŠA, Ondrej. Short range ordering in the melt and its manifestation in glassy Fe-Co-B-investigation by positron annihilation lifetime. In Materials Science and Engineering A : Structural materials properties microstructure and processing, 1997, vol. 226, p. 321-325. (0.852 - IF1996). (1997 - Current Contents, WOS, SCOPUS). ISSN 0921-5093.

Citácie:

1. [1.1] EVENSON, Zach - KOSCHINE, Tonjes - WEI, Shuai - GROSS, Oliver - BEDNARCIK, Jozef - GALLINO, Isabella - KRUZIC, Jamie J. - RAETZKE, Klaus - FAUPEL, Franz - BUSCH, Ralf. The effect of low-temperature structural relaxation on free volume and chemical short-range ordering in a Au49Cu26.9Si16.3Ag5.5Pd2.3 bulk metallic glass. In SCRIPTA MATERIALIA. ISSN 1359-6462, 2015, vol. 103, no., pp. 14., WOS

ADCA432 KRIŠTIAKOVÁ, Katarína - ŠVEC, Peter. Origin of cluster and void structure in melt-quenched Fe-Co-B metallic glasses detrermined by positron annihilation at low temperatures. In Physical Review B, 2001, vol. 64, no. 1, p. 014204. (3.065 - IF2000). (2001 - Current Contents, WOS, SCOPUS). ISSN 1550-235X.

Citácie:

1. [1.1] EVENSON, Zach - KOSCHINE, Tonjes - WEI, Shuai - GROSS, Oliver - BEDNARCIK, Jozef - GALLINO, Isabella - KRUZIC, Jamie J. - RAETZKE, Klaus - FAUPEL, Franz - BUSCH, Ralf. The effect of low-temperature structural relaxation on free volume and chemical short-range ordering in a Au49Cu26.9Si16.3Ag5.5Pd2.3 bulk metallic glass. In SCRIPTA MATERIALIA. ISSN 1359-6462, 2015, vol. 103, pp. 14., WOS

ADCA433 KRÍŽIK, Peter - BALOG, Martin - ILLEKOVÁ, Emília - ŠVEC, Peter - MAŤKO, Igor - ŠTĚPÁNEK, Matěj - NOSKO, Martin - SIMANČÍK, František. The oxidation behavior of gas-atomized Al and Al alloy powder green compacts during heating before hot extrusion and the seggested heating process. In Journal of Materials Processing Technology, 2014, vol.214, p.1165-1172. (2.041 - IF2013). (2014 - Current Contents). ISSN 0924-0136.

Citácie:

1. [1.1] KURMANAEVA, Lilia - TOPPING, Troy D. - WEN, Haiming - SUGAHARA, Haruka - YANG, Hanry - ZHANG, Dalong - SCHOENUNG, Julie M. - LAVERNIA, Enrique J. Strengthening mechanisms and deformation behavior of cryomilled Al-Cu-Mg-Ag alloy. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2015, vol. 632, no., pp. 591-603., WOS

2. [1.1] ZHANG, Xinming - HU, Tao - RUFNER, Jorgen F. - LAGRANGE, Thomas B. - CAMPBELL, Geoffrey H. - LAVERNIA, Enrique J. - SCHOENUNG, Julie M. - VAN BENTHEM, Klaus. Metal/ceramic interface structures and segregation behavior in aluminum-based composites. In ACTA MATERIALIA. ISSN 1359-6454, 2015, vol. 95, no., pp. 254-263., WOS

ADCA434 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. (1.242 - IF2015). (2016 - Current Contents). ISSN 0021-9983.

Citácie:

1. [1.1] CHEN, Chun-Liang - LIN, Chen-Han. Effect of Y2O3 and TiC Reinforcement Particles on Intermetallic Formation and Hardness of Al6061

Composites via Mechanical Alloying and Sintering. In METALLURGICAL AND MATERIALS TRANSACTIONS A-PHYSICAL METALLURGY AND MATERIALS SCIENCE. ISSN 1073-5623, 2015, vol. 46A, no. 8, pp. 3687-3695., WOS

ADCA435 KRUPA, Dalibor - MESHCHERYAKOV, V.A. - SUROVTSEV, Y.S. Multichannel approach to studying scalar resonances. In Il Nuovo Cimento A, 1996, vol. 109, no. 3, p. 281-299.

Citácie:

1. [1.1] NAZARI, V. - KAMINSKI, Robert. PRECISE DETERMINATION OF pi pi SCATTERING AMPLITUDES FOR D AND F WAVES. In ACTA PHYSICA POLONICA B. ISSN 0587-4254, 2015, vol. 46, no. 7, pp. 1355., WOS

ADCA436 KUBIČÁR, Ľudovít - VRETENÁR, Viliam - BOHÁČ, Vlastimil - TIANO, P. Thermophysical analysis of sandstone by pulse transient method. In International Journal of Thermophysics, 2006, vol. 27, no. 1, p. 220-234. ISSN 0195-928X.

Citácie:

1. [1.1] YU, Fan. The thermal conductivity measurement for aerogel composite insulation materials by the step-wise transient method in temperature range from 25 to 1200 degrees C. In HIGH TEMPERATURES-HIGH PRESSURES. ISSN 0018-1544, 2015, vol. 44, no. 2, pp. 105., WOS

ADCA437 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, p. 135-146. (0.327 - IF2001). ISSN 0018-151X.

Citácie:

1. [1.1] STAROSTIN, Alexandr A. - PUCHINSKIS, Stanislavs E. - EFREMOV, Vladimir P. - SKRIPOV, Pavel V. Investigation of not fully stable fluids by the method of controlled pulse heating. 2. Short-term thermal stability of polymethyl metacrylate. In THERMOCHIMICA ACTA. ISSN 0040-6031, 2015, vol. 609, pp. 31., WOS

ADCA438 KUBIČÁR, Ľudovít - BOHÁČ, Vlastimil. A step-wise method for measuring thermophysical parameters of materials. In Measurement Science and Technology, 2000, vol. 11, no. 3, p. 252-258. (0.850 - IF1999). (2000 - Current Contents). ISSN 0957-0233.

Citácie:

1. [1.1] YU, Fan. The thermal conductivity measurement for aerogel composite insulation materials by the step-wise transient method in temperature range from 25 to 1200 degrees C. In HIGH TEMPERATURES-HIGH PRESSURES. ISSN 0018-1544, 2015, vol. 44, no. 2, pp. 105., WOS

ADCA439 KUBIČÁR, Ľudovít - VRETENÁR, Viliam - ŠTOFANIK, Vladimír - BOHÁČ, Vlastimil. Hot-ball method for measuring thermal conductivity. In International Journal of Thermophysics, 2010, vol. 31, no. 10, p. 1904-1918. (0.702 - IF2009). (2010 - Current Contents, WOS, SCOPUS). ISSN 0195-928X.

Citácie:

1. [1.1] STAROSTIN, Alexandr A. - PUCHINSKIS, Stanislavs E. - EFREMOV, Vladimir P. - SKRIPOV, Pavel V. Investigation of not fully stable fluids by the method of controlled pulse heating. 2. Short-term thermal stability of polymethyl metacrylate. In THERMOCHIMICA ACTA. ISSN 0040-6031, 2015, vol. 609, pp. 31., WOS

2. [1.1] ZMESKAL, Oldrich - TRHLIKOVA, Lucie - DOHNALOVA, Lenka. Study of Thermal Properties of Insulating Materials. In PROCEEDINGS OF THE INTERNATIONAL CONFERENCE OF NUMERICAL ANALYSIS AND APPLIED MATHEMATICS 2014 (ICNAAM-2014). ISSN 0094-243X, 2015, vol. 1648, UNSP 410012., WOS

ADCA440 KUBIČÁR, Ľudovít - ILLEKOVÁ, Emília. Use of pulse method for study of structural- changes of materials. In Thermochimica Acta, 1985, vol. 92, p. 441-444. ISSN 0040-6031.

Citácie:

1. [1.1] SULCOVA, Petra - SESTAK, Jaroslav - MENYHARD, Alfred - LIPTAY, George. Some historical aspects of thermal analysis on the mid-European territory. In JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY. ISSN 1388-6150, 2015, vol. 120, no. 1, pp. 239., WOS

ADCA441 KUBIČÁR, Ľudovít - BOHÁČ, Vlastimil - VRETENÁR, Viliam - BARTA, Š. - NEUER, G. - BRANDT, R. Thermophysical properties of heterogeneous structures measured by pulse transient method. In International Journal of Thermophysics, 2005, vol. 26, no. 6, p. 1949-1962. (2005 - Current Contents). ISSN 0195-928X.

Citácie:

1. [1.1] JERMAN, Milos - MEDVED, Igor - CERNY, Robert. Length changes of autoclaved aerated concrete exposed to cyclic wetting and drying. In CEMENT WAPNO BETON. ISSN 1425-8129, 2015, vol. 20, no. 3, pp. 139., WOS

ADCA442 KUGLER, A. - WAGNER, V. - PACHR, M. - SUMBERA, M. - SOBOLEV, Y.G. - HLAVÁČ, Stanislav - SIMON, R.S. - LORENCZ, R. - WOHLGEMUTH, R. Emission of nucleons and light fragments relative to the reaction plane in Bl+Pb collisions at 1 GEV/u. In Physics Letters B, 1994, vol. 335, no. 3-4, p. 319-325. (3.079 - IF1993). (1994 - Current Contents, SCOPUS). ISSN 0370-2693.

Citácie:

1. [1.1] MALI, P. - MUKHOPADHYAY, A. - SARKAR, S. - SINGH, G. Azimuthal correlation and collective behavior in nucleus-nucleus collisions. In PHYSICS OF ATOMIC NUCLEI. ISSN 1063-7788, 2015, vol. 78, no. 2, pp. 258-267., WOS

ADCA443 KULIK, T. - VLASÁK, Gabriel - ZUBEREK, R. Correlation between microstructure and magnetic properties of amorpous and nanocrystalline Fe73.5Cu1Nb3Si16.5B6. In Materials Science and Engineering A - Structural Materials Properties Microstructure and Processing, 1997, vol. 226, p. 701-705. (0.852 - IF1996). (1997 - Current Contents, WOS, SCOPUS). ISSN 0921-5093.

Citácie:

1. [1.1] ORYSHCHENKO, A.S. et al. Powder fillers based on a nanocrystalline soft magnetic alloy. In METAL SCIENCE AND HEAT TREATMENT, 2015, vol. 56, pp. 537-541., WOS

ADCA444 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. (0.592 - IF2000). (2001 - Current Contents, SCOPUS). ISSN 0921-5107.

Citácie:

1. [1.2] ZHOU, X. D. - LU, Z. - TEMPLETON, J. - STEVENSON, J. W. Anomalous ohmic loss in solid oxide fuel cells with doped ceria interlayers. In ECS Transactions. ISSN 19385862, 2015-01-01, 68, 1, pp. 2453-2461., SCOPUS

ADCA445 LANGE, S. - SILDOS, I. - HARTMANOVÁ, Mária - AARIK, J. - KIISK, V. Luminescence properties of Sm3+- doped polycrystalline ZrO2. In Journal of Non-Crystalline Solids, 2008, vol. 354, no. 35-39, p. 4380-4382. (1.319 - IF2007). (2008 - Current Contents, SCOPUS). ISSN 0022-3093.

Citácie:

1. [1.1] BAEZ-RODRIGUEZ, A. - ALVAREZ-FRAGOSO, O. - GARCIA-HIPOLITO, M. - GUZMAN-MENDOZA, J. - FALCONY, C. Luminescent properties of ZrO2:Dy3+ and ZrO2:Dy3+ +Li+ films synthesized by an ultrasonic spray pyrolysis technique. In CERAMICS INTERNATIONAL. ISSN

0272-8842, 2015, vol. 41, no. 5, pp. 7197., WOS
2. [1.1] RAMOS-GUERRA, A. I. - GUZMAN-MENDOZA, J. - GARCIA-HIPOLITO, M. - ALVAREZ-FREGOSO, O. - FALCONY, C. Multicolored photoluminescence and structural properties of zirconium oxide films co-doped with Tb3+ and Eu3+ ions. In CERAMICS INTERNATIONAL. ISSN 0272-8842, 2015, vol. 41, no. 9, pp. 11279., WOS

ADCA446 LARSEN, A.C. - GUTTORMSEN, M. - KRTIČKA, M. - BĚTÁK, Emil - BURGER, A. - GORGEN, A. - NYHUS, H.T. - REKSTAD, J. - SCHILLER, A. - SIEM, S. - TOFT, H.K. - TVETEN, G.M. - VOINOV, A.V. - WIKAN, K. Analysis of possible systematic errors in the Oslo method. In Physical Review C, 2011, vol. 83, no. 3, 034315. (3.416 - IF2010). (2011 - Current Contents). ISSN 2469-9985.

Citácie:

1. [1.1] ABERG, S. - CARLSSON, B. G. - DOSSING, Th. - MOLLER, P. The role of seniority-zero states in nuclear level densities. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2015, vol. 941, pp. 97-120., WOS
2. [1.1] AVRIGEANU, M. - AVRIGEANU, V. - MANAILESCU, C. On Reaction Mechanisms Involved in the Deuteron-Induced Surrogate Reactions. In EXOTIC NUCLEI AND NUCLEAR/PARTICLE ASTROPHYSICS (V). FROM NUCLEI TO STARS. ISSN 0094-243X, 2015, vol. 1645, pp. 139-147., WOS
3. [1.1] JURADO, Beatriz - SCHMIDT, Karl-Heinz. Influence of complete energy sorting on the characteristics of the odd-even effect in fission-fragment element distributions. In JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS. ISSN 0954-3899, 2015, vol. 42, no. 5, 055101., WOS

ADCA447 LEE, K. - WEIS, Martin Jr. - LIN, J. - TAGUCHI, D. - MAJKOVÁ, Eva - MANAKA, T. - IWAMOTO, M. Trapping effect of metal nanoparticle mono- and multilayer in the organic field-effect transistor. In Journal of Applied Physics, 2011, vol. 109, 064512. (2.079 - IF2010). (2011 - Current Contents). ISSN 0021-8979.

Citácie:

1. [1.1] DESBIEF, Simon - KYNDIAH, Adrica - GUERIN, David - GENTILI, Denis - MURGIA, Mauro - LENFANT, Stephane - ALIBART, Fabien - CRAMER, Tobias - BISCARINI, Fabio - VUILLAUME, Dominique. Low voltage and time constant organic synapse-transistor. In ORGANIC ELECTRONICS. ISSN 1566-1199, 2015, vol. 21, pp. 47-53., WOS
2. [1.1] LUO, Xiao - LI, Yao - LV, Wenli - ZHAO, Feiyu - SUN, Lei - PENG, Yingquan - WEN, Zhanwei - ZHONG, Junkang - ZHANG, Jianping. Position-dependent performance of copper phthalocyanine based field-effect transistors by gold nanoparticles modification. In NANOTECHNOLOGY. ISSN 0957-4484, 2015, vol. 26, no. 3, 035201., WOS

ADCA448 LEE, K.S. - KIM, M.S. - LEE, S.D. - BUŽEK, Vladimír. Squeezing properties of multicomponent superposition states of light. In Journal of the Korean Physical Society, 1993, vol. 26, no. 3, p. 197-204. ISSN 0374-4884.

Citácie:

1. [1.1] JEONG, Hyunseok - KANG, Minsu - KWON, Hyukjoon. Characterizations and quantifications of macroscopic quantumness and its implementations using optical fields. In OPTICS COMMUNICATIONS. ISSN 0030-4018, 2015, vol. 337, no., pp. 12., WOS

ADCA449 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. ISSN 1345-9678.

Citácie:

1. [1.1] RUSINEK, D. - CZUB, J. - NIEWOLSKI, J. - GONDEK, L. - GAJEWSKA,

M. - TAKASAKI, A. - HOSER, A. - ZYWCZAK, A. Structural phase transitions in the Ti45Zr38Ni17-xFex nano-alloys and their deuterides. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2015, vol. 646, pp. 90-95., WOS

ADCA450 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 alfa decay of 178Tl. In Physical Review C, 2013, vol. 88, no. 4, 044322. (3.715 - IF2012). (2013 - Current Contents, WOS, SCOPUS). ISSN 2469-9985.

Citácie:

1. [1.1] MOELLER, Peter - RANDRUP, Jorgen. Calculated fission-fragment yield systematics in the region 74 <= Z <= 94 and 90 <= N <= 150. In PHYSICAL REVIEW C. ISSN 2469-9985, 2015, vol. 91, no. 4, 044316., WOS

2. [1.1] PRASAD, E. - HINDE, D. J. - RAMACHANDRAN, K. - WILLIAMS, E. - DASGUPTA, M. - CARTER, I. P. - COOK, K. J. - JEUNG, D. Y. - LUONG, D. H. - MCNEIL, S. - PALSHETKAR, C. S. - RAFFERTY, D. C. - SIMENEL, C. - WAKHLE, A. - KHUYAGBAATAR, J. - DUELLMANN, Ch. E. - LOMMEL, B. - KINDLER, B. Observation of mass-asymmetric fission of mercury nuclei in heavy ion fusion. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 91, no. 6, 064605., WOS

ADCA451 LIPTÁK, Ľudovít - OLEJNÍK, Štefan. Casimir scaling in G(2) lattice gauge theory. In Physical Review D, 2008, vol. 78, 074501. ISSN 1550-7998.

Citácie:

1. [1.1] BONATI, Claudio. Topology and theta dependence in finite temperature G(2) lattice gauge theory. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 3, 006., WOS

2. [1.1] BRUNO, Mattia - CASELLE, Michele - PANERO, Marco - PELLEGRINI, Roberto. Exceptional thermodynamics: the equation of state of G(2) gauge theory. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 3, 057., WOS

3. [1.1] NEJAD, Seyed Mohsen Hosseini - DELDAR, Sedigheh. Contributions of the center vortices and vacuum domain in potentials between static sources. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, no. 3, 016., WOS

ADCA452 LUBY, Štefan - MAJKOVÁ, Eva. Tailoring of multilayer interfaces by pulsed laser irradiation. In Applied Surface Science, 2005, vol. 248, p. 316-322.

Citácie:

1. [1.1] YUAN, Yanyan - LE GUEN, Karine - ANDRE, Jean-Michel - MENY, Christian - ULHAQ, Corinne - GALTAYRIES, Anouk - ZHU, Jingtao - WANG, Zhanshan - JONNARD, Philippe. Interface observation of heat-treated Co/Mo2C multilayers. In APPLIED SURFACE SCIENCE. ISSN 0169-4332, 2015, vol. 331, pp. 8-16., WOS

ADCA453 LUBY, Štefan - CHITU, L. - JERGEL, Matej - MAJKOVÁ, Eva - ŠIFFALOVIČ, Peter - CARICATO, A.P. - LUCHES, A. - MARTINO, M. - RELLA, R. - MANERA, M.G. Oxide nanoparticle arrays for sensors of CO and NO2 gases. In Vacuum, 2012, vol. 86, no. 6, p. 590-593. (1.317 - IF2011). (2012 - Current Contents). ISSN 0042-207X.

Citácie:

1. [1.1] LIM, Michael - MILLS, Steven - LEE, Bongmook - MISRA, Veena.

Application of AlGaN/GaN Heterostructures for Ultra-Low Power Nitrogen Dioxide Sensing. In ECS JOURNAL OF SOLID STATE SCIENCE AND TECHNOLOGY. ISSN 2162-8769, 2015, vol. 4, no. 10, S3034-S3037., WOS

2. [1.1] MADHI, I. - BOUZID, B. - SAADOUN, M. - BESSAIS, B. Synthesis and characterization of ITO-ZnO nanocomposite and its application as NO2 gas sensor. In CERAMICS INTERNATIONAL. ISSN 0272-8842, 2015, vol. 41, no. 5, pp. 6552-6559., WOS

ADCA454 LUBY, Štefan - ANWARZAI, B. - AC, V. - MAJKOVÁ, Eva - SENDERÁK, Rudolf. Pseudo spin-valves with different spacer thickness as sending elements of mechanical strain. In Vacuum, 2012, vol. 86, no. 6, p. 718-720. (1.317 - IF2011). (2012 - Current Contents). ISSN 0042-207X.

Citácie:

1. [1.1] PROTSENKO, S.I.-ODNODVORETS, L.V.-PROTSENKO, I.Y. Future strain properties of multilayer film materials. In SPRINGER PROCEEDINGS IN PHYSICS, 2015, vol. 156, p. 345-374., WOS

ADCA455 LUPTÁK, Roman - FRÖHLICH, Karol - ROSOVÁ, Alica - HUŠEKOVÁ, Kristína - ŤAPAJNA, Milan - MACHAJDÍK, Daniel - JERGEL, Matej - ESPINOS, J.P. - MANSILLA, C. Growth of gadolinum oxide films for advanced MOS structure. In Microelectronic Engineering, 2005, vol. 80, p. 154-157. ISSN 0167-9317.

Citácie:

1. [1.1] MISHRA, M. - KUPPUSAMI, P. - RAMYA, S. - GANESAN, V. - SINGH, A. - THIRUMURUGESAN, R. - MOHANDAS, E. In SURFACE & COATINGS TECHNOLOGY. JAN 25 2015, vol. 262, p. 56-63., WOS

2. [1.1] TIEN, C.Y. - KUEI, P.Y. - CHANG, L.B. - HSU, C.P. In JOURNAL OF ELECTRICAL ENGINEERING & TECHNOLOGY. JUL 2015, vol. 10, no. 4, p. 1720-1725., WOS

ADCA456 MAAS, A. - OLEJNÍK, Štefan. A first look at Landau-gauge propagators in G2 Yang-Mills theory. In Journal of High Energy Physics, 2008, 02, 070. (5.659 - IF2007). (2008 - Current Contents). ISSN 1126-6708.

Citácie:

1. [1.1] BONATI, Claudio. Topology and theta dependence in finite temperature G(2) lattice gauge theory. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 03, 2015, 006., WOS

2. [1.1] BRUNO, Mattia - CASELLE, Michele - PANERO, Marco - PELLEGRINI, Roberto. Exceptional thermodynamics: the equation of state of G(2) gauge theory. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 03, 2015, 057., WOS

3. [1.1] NEJAD, Seyed Mohsen Hosseini - DELDAR, Sedigheh. Contributions of the center vortices and vacuum domain in potentials between static sources. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 03, 2015, 016., WOS

ADCA457 MAAS, Axel. More on Gribov copies and propagators in Landau-gauge Yang-Mills theory. In Physical Review D, 2009, vol. 79, no. 1, 014505. (2009 - Current Contents). ISSN 1550-7998.

Citácie:

1. [1.1] BORNYAKOV, V. G. - ILGENFRITZ, E.M. - LITWINSKI, C. - MUELLER-PREUSSKER, M. - MITRJUSHKIN, V. K. Landau gauge ghost propagator and running coupling in SU(2) lattice gauge theory. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 7, 074505., WOS

2. [1.1] CANFORA, F. E. - DUDAL, D. - JUSTO, I. F. - PAIS, P. - ROSA, L. - VERCAUTEREN, D. Effect of the Gribov horizon on the Polyakov loop and vice versa. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 7, 326., WOS

3. [1.1] DUDAL, D. - GUIMARAES, M. S. - JUSTO, I. F. - SORELLA, S. P. On bounds and boundary conditions in the continuum Landau gauge. In EUROPEAN PHYSICAL JOURNAL C. ISSN 1434-6044, 2015, vol. 75, no. 2, 83., WOS

4. [1.1] SCHADEN, Martin - ZWANZIGER, Daniel. Living with spontaneously broken BRST symmetry. I. Physical states and cohomology. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 2, 025001., WOS

ADCA458 MAAS, Axel. Two- and three- point Green´s functions in two-dimensional Landau-gauge Yang-Mills theory. In Physical Deview D, 2007, vol. 75, no. 11, 116004. ISSN 1550-7998.

Citácie:

1. [1.1] BELL, J. M. - GRACEY, J. A. Maximal Abelian and Curci-Ferrari gauges in momentum subtraction at three loops. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 12, 125001., WOS

2. [1.1] GONGYO, Shinya - ZWANZIGER, Daniel. Phase structure and the gluon propagator of SU(2) gauge-Higgs model in two dimensions. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2015, vol., no. 1, 002., WOS

3. [1.1] KOSHELKIN, Andrew V. SU(N) gauge invariant currents and hadronization. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 4, 045017., WOS

4. [1.1] SCHADEN, M.- ZWANZIGER, D. In PHYSICAL REVIEW D, 2015, vol. 92, 025001., WOS

5. [3.1] FRASCA, M. Running mass of the gluon propagator in the Landau gauge. In PREPRINT HEP-PH/ 1506.04612, 2015 ., WOS

6. [3.1] KOSHELKIN, A. In PROCEEDINGS OF SCIENCE, EPS-HEP2015, 2015, 459.

7. [3.1] VUJINOVIC, M. Vertices and bound states in strongly interacting theories. In PhD Thesis Graz University, 2015, 752822.

ADCA459 MAJERNÍKOVÁ, Eva - SHPYRKO, S. Nonlinear effects in Ex (b_1+b_2) Jahn-Teller model: variational approach with excited phonon states and mode correlations. In Journal of Physics: Condensed Matter, 2003, vol. 15, no. 13, p. 2137-2153. (1.775 - IF2002). (2003 - Current Contents, SCOPUS). ISSN 0953-8984.

Citácie:

1. [1.1] ENGLMAN, R. Analysis of a two dimensional molecular Berry phase system. In CHEMICAL PHYSICS LETTERS. ISSN 0009-2614, 2015, vol. 635, pp. 224-227., WOS

ADCA460 MAJERNÍKOVÁ, Eva - SHPYRKO, S. Quantum chaotic patterns in the E x (b1 + b2) Jahn-Teller model. In Physical Review E, 2006, vol. 73, no. 5, 057202. (2.418 - IF2005). (2006 - Current Contents, WOS, SCOPUS). ISSN 2470-0045.

Citácie:

1. [1.1] MARCHUKOV, Oleksandr V. - FEDOROV, Dmitri V. - JENSEN, Aksel S. - VOLOSNIEV, Artem G. - ZINNER, Nikolaj T. Repulsively interacting fermions in a two-dimensional deformed trap with spin-orbit coupling. In EUROPEAN PHYSICAL JOURNAL D. ISSN 1434-6060, 2015, vol. 69, no. 3, 73., WOS

ADCA461 MAJERNÍKOVÁ, Eva - SHPYRKO, S. Incipience of quantum chaos in the Jahn-Teller model. In Physical Review E, 2006, vol. 73, no. 6, 066215. (2.418 - IF2005). (2006 - Current Contents, WOS, SCOPUS). ISSN 2470-0045.

Citácie:

1. [1.1] MARCHUKOV, Oleksandr V. - FEDOROV, Dmitri V. - JENSEN, Aksel S. - VOLOSNIEV, Artem G. - ZINNER, Nikolaj T. Repulsively interacting fermions in a two-dimensional deformed trap with spin-orbit coupling. In EUROPEAN PHYSICAL JOURNAL D. ISSN 1434-6060, 2015, vol. 69, no. 3, 73., WOS

ADCA462 MAJERNÍKOVÁ, Eva - MAJERNÍK, Vladimír - SHPYRKO, S. Entropic

uncertainty measure for fluctuations in two-level electron-phonon models. In European Physical Journal B, 2004, vol. 38, no. 1, p. 25-35. (2004 - Current Contents, SCOPUS). ISSN 1434-6028.

Citácie:

1. [1.1] ABDALLA, M. Sebawe - OBADA, A. S.F. - KHALIL, E. M. - AHMED, M. M. A. Entanglement of Degenerate and Nondegenerate Parametric Amplifiers Interacting with a Single Two-Level Atom. In JOURNAL OF RUSSIAN LASER RESEARCH. ISSN 1071-2836, 2015, vol. 36, no. 2, pp. 119-134., WOS

2. [1.1] ROMERA, E. - CALIXTO, M. Uncertainty relations and topological-band insulator transitions in 2D gapped Dirac materials. In JOURNAL OF PHYSICS-CONDENSED MATTER. ISSN 0953-8984, 2015, vol. 27, no. 17, 175003., WOS

ADCA463 MAJERNÍK, V. - CHARVOT, R. - MAJERNÍKOVÁ, Eva. The momentum entropy of the infinite potential well. In Journal of Physics A: Mathematical and Theoretical, 1999, vol. 32, no. 11, p. 2207-2216. ISSN 1751-8113.

Citácie:

1. [1.1] OLENDSKI, Oleg. Comparative analysis of electric field influence on the quantum wells with different boundary conditions I. Energy spectrum, quantum information entropy and polarization. In ANNALEN DER PHYSIK. ISSN 0003-3804, 2015, vol. 527, no. 3-4, pp. 278-295., WOS

ADCA464 MAJERNÍK, Vladimír - MAJERNÍKOVÁ, Eva. The determination of bounds of the beta-entropic sum of two noncommuting observables. In Reports on Mathematical Physics, 2001, vol. 47, no. 3, p. 381-392. ISSN 0034-4877.

Citácie:

1. [1.1] SRINIVAS, M. D. - MANDAYAM, Prabha. Uncertainty trade-off and disturbance trade-off for quantum measurements. In CURRENT SCIENCE. ISSN 0011-3891, 2015, vol. 109, no. 11, pp. 2044-2051., WOS

ADCA465 MAJKOVÁ, Eva - ŠIFFALOVIČ, Peter - CHITU, Lívia - JERGEL, Matej - LUBY, Štefan - TIMMANN, A. - ROTH, S.V. - ŠATKA, A. - KECKES, J. - MAIER, G.A. Real-time tracking of nanoparticle self-assembling using GISAXS. In Superlattices and Microstructures, 2009, vol. 46, no. 1-2, p. 286-290. ISSN 0749-6036.

Citácie:

1. [1.1] ZHANG, Datong - LU, Chenguang - HU, Jiayang - LEE, Seung Whan - YE, Fan - HERMAN, Irving P. Small Angle X-ray Scattering of Iron Oxide Nanoparticle Monolayers Formed on a Liquid Surface. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2015, vol. 119, no. 19, pp. 10727-10733., WOS

ADCA466 MAJKOVÁ, Eva - CHUSHKIN, Y. - JERGEL, Matej - LUBY, Štefan - HOLÝ, V. - MAŤKO, Igor - CHENEVIER, B. - TOTH, L. - HATANO, T. - YAMAMOTO, M. Nanometer-scale period Sc/Cr multilayer mirrors and their thermal stability. In Thin Solid Films : international journal on the science and technology of Thin and Thick Films, 2006, vol.497, p. 115-120. (2006 - Current Contents). ISSN 0040-6090.

Citácie:

1. [1.1] LOKASANI, Ragava - LONG, Elaine - MAGUIRE, Oisin - SHERIDAN, Paul - HAYDEN, Patrick - O&APOS;REILLY, Fergal - DUNNE, Padraig - SOKELL, Emma - ENDO, Akira - LIMPOUCH, Jiri - O&APOS;SULLIVAN, Gerry. XUV spectra of 2nd transition row elements: identification of 3d-4p and 3d-4f transition arrays. In JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS. ISSN 0953-4075, 2015, vol. 48, no. 24, 245009., WOS

ADCA467 MAMALIS, A.G. - HRISTOFOROU, E. - MANOLAKOS, D.E. - ŠVEC, Peter - PRIKHNA, T. - THEODORAKOPOULOS, J.D. - KOUZILOS, G. Explosive compaction and synthesis of MgB2 superconductor using the powder in tube

technique. In Journal of Optoelectronics and Advanced Materials, 2008. Vol. 10, no. 5, p. 1000-1004. ISSN 1454-4164.

Citácie:

1. [1.1] MAMNIASHVILI, G. - DARASELIA, D. - JAPARIDZE, D. - PEIKRISHVILI, A. - GODIBADZE, B. Liquid-Phase Shock-Assisted Consolidation of Superconducting MgB2 Composites. In JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM. ISSN 1557-1939, 2015, vol. 28, no. 7, pp. 1925., WOS

ADCA468 MARCIN, Jozef - KLINDA, A. - ŠVEC, Peter Jr. - PRASLIČKA, D. - BLAŽEK, J. - KOVÁČ, Jozef - ŠVEC, Peter - ŠKORVÁNEK, Ivan. Melt-spun Fe-Co-B-Cu alloys with high magnetic flux density for relax-type magnetometers. In IEEE Transactions on Magnetics, 2010, vol. 46, no. 2, p. 416-419. (1.061 - IF2009). (2010 - Current Contents, WOS, SCOPUS). ISSN 0018-9464.(SMM 19 : International Conference on Soft Magnetic Materials).

Citácie:

1. [1.1] ONODERA, Reisho - KIMURA, Shojiro - WATANABE, Kazuo - YOKOYAMA, Yoshihiko - MAKINO, Akihiro - KOYAMA, Keiichi. Nucleation control for fine nano crystallization of Fe-based amorphous alloy by high-magnetic-field annealing. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2015, vol. 637, pp. 213-218., WOS

ADCA469 MARKOŠ, Peter - SCHWEITZER, L. Critical regime of two-dimensional Ando model: relation between critical conductance and fractal dimension of electronic eigenstates. In Journal of Physics A, 2006, vol. 39, no. 13, p. 3221-3230. (1.566 - IF2005). (2006 - Current Contents, WOS, SCOPUS). ISSN 1751-8113.

Citácie:

1. [1.1] KANNO, T. - MATSUMOTO, T. - ICHIMURA, K. - MATSUURA, T. - TANDA, S. Metal-insulator transition in iron doped 2H-TaSe2: Suggestion of chiral unitary localization. In PHYSICA B-CONDENSED MATTER. ISSN 0921-4526, 2015, vol. 460, pp. 165., WOS

ADCA470 MARKOŠ, Peter. Probability distribution of the conductance at the mobility edge. In Physical Review Letters, 1999, vol. 83, no. 3, p. 588-591. (6.017 - IF1998). (1999 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Citácie:

1. [1.1] GHULINYAN, Mher - PAVESI, Lorenzo. LIGHT LOCALISATION AND LASING Random and Quasi-Random Photonic Structures Preface. In LIGHT LOCALISATION AND LASING: RANDOM AND QUASI-RANDOM PHOTONIC STRUCTURES, 2015, pp. XI., WOS

2. [1.1] SHI, Zhou - DAVY, Matthieu - GENACK, Azriel Z. Statistics and control of waves in disordered media. In OPTICS EXPRESS. ISSN 1094-4087, 2015, vol. 23, no. 9, pp. 12293., WOS

ADCA471 MARKOŠ, Peter - SCHWEITZER, L. Critical conductance of two-dimensional chiral systems with random magnetic flux. In Physical Review B, 2007, 76, 115318.

Citácie:

1. [1.1] KANNO, T. - MATSUMOTO, T. - ICHIMURA, K. - MATSUURA, T. - TANDA, S. Metal-insulator transition in iron doped 2H-TaSe2: Suggestion of chiral unitary localization. In PHYSICA B-CONDENSED MATTER. ISSN 0921-4526, 2015, vol. 460, pp. 165., WOS

ADCA472 MARKOŠ, Peter. Metal-insulator transition in the three-dimensional Anderson model:. In Journal of Physics A: Mathematical and Theoretical, 2000, vol. 33, no. 42, p. L393-L398. ISSN 1751-8113.

Citácie:

1. [1.1] EKUMA, C. E. - MOORE, C. - TERLETSKA, H. - TAM, K.M. -

MORENO, J. - JARRELL, M. - VIDHYADHIRAJA, N. S. Finite-cluster typical medium theory for disordered electronic systems. In PHYSICAL REVIEW B. ISSN 2469-9950, 2015, vol. 92, no. 1, 014209., WOS

ADCA473 MARKOŠ, Peter - SOUKOULIS, C.M. Transmission studies of left-handed materials. In Physical Review B, 2002, vol. 65, no. 3, 033401. (3.070 - IF2001). (2002 - Current Contents, WOS, SCOPUS). ISSN 1550-235X.

Citácie:

1. [1.1] MEJIA-SALAZAR, J. R. - PORRAS-MONTENEGRO, N. Zero-(n)over-bar band gap in two-dimensional metamaterial photonic crystals. In SUPERLATTICES AND MICROSTRUCTURES. ISSN 0749-6036, 2015, vol. 80, pp. 118., WOS

ADCA474 MARKOŠ, Peter - SOUKOULIS, C.M. Intensity distribution of scalar waves propagating in random media. In Physical Review B, 2005, vol. 71, no. 5, 054201. (3.075 - IF2004). (2005 - Current Contents). ISSN 1550-235X.

Citácie:

1. [1.1] GHULINYAN, Mher - PAVESI, Lorenzo. LIGHT LOCALISATION AND LASING Random and Quasi-Random Photonic Structures Preface. In LIGHT LOCALISATION AND LASING: RANDOM AND QUASI-RANDOM PHOTONIC STRUCTURES, 2015, pp. XI., WOS

ADCA475 MARQUES, M. - OSTENDORF, R.W. - LAUTRIDOU, P. - LEFEVRE, F. - MATULEWICZ, T. - MITTIG, W. - ROUSSELCHOMAZ, P. - SCHUTZ, Y. - QUEBERT, J. - DIAZ, J. - MARIN, A. - MARTINEZ, G. - HOLZMANN, R. - HLAVÁČ, Stanislav - SCHUBERT, A. - SIMON, R.S. - WAGNER, W. Hard photon intensity interferometry in heavy-ion reactions. In Physical Review Letters, 1994, vol. 73, no. 1, p. 34-37. (1994 - Current Contents). ISSN 0031-9007.

Citácie:

1. [1.1] WEI, Gao-Feng. Probing the neutron-skin thickness by photon production from reactions induced by intermediate-energy protons. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 92, no. 1, 014614., WOS

ADCA476 MARTINEZ, G. - APHECETCHE, L. - CHARBONNIER, Y. - DELAGRANGE, H. - D´ENTERRIA, D. - MATULEWICZ, T. - SCHUTZ, Y. - TURRISI, R. - APPENHEIMER, M. - METAG, V. - NOVOTNY, R. - STROHER, H. - WOLF, A.R. - WEISS, J. - AVERBECK, R. - HLAVÁČ, Stanislav - HOLZMANN, R. - LEFEVRE, F. - SIMON, R.S. - STRATMANN, F. - WISSMANN, F. - HOEFMAN, M. Photon production in heavy-ion collisions close to the pion threshold. In Physics Letters B, 1999, vol. 461, no. 1-2, p. 28-33. (3.567 - IF1998). (1999 - Current Contents, WOS, SCOPUS). ISSN 0370-2693.

Citácie:

1. [1.1] WEI, Gao-Feng. Probing the neutron-skin thickness by photon production from reactions induced by intermediate-energy protons. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 92, no. 1, 014614., WOS

ADCA477 MARTINOVIČ, Lubomír - LUBAN, M. Analytic solution of the microcausality problem in discretized light cone quantization. In Physics Letters B, 2005, vol. 605, no. 1-2, p. 203-213. (4.619 - IF2004). (2005 - Current Contents, WOS, SCOPUS). ISSN 0370-2693.

Citácie:

1. [1.1] PRZESZOWSKI, Jerzy A. - ZOCHOWSKI, Jan. Light-Front Quantization with Explicit Lorentz Symmetry for Yukawa Model. In FEW-BODY SYSTEMS. ISSN 0177-7963, 2015, vol. 56, no. 6-9, pp. 579., WOS

ADCA478 MARTINOVIČ, Lubomír - VARY, J.P. Theta vacuum of the bosonized massive light-front Schwinger model. In Physics Letters B, 1999, vol. 459, no. 1-3, p. 186-192. (3.567 - IF1998). (1999 - Current Contents, WOS, SCOPUS). ISSN

0370-2693.

Citácie:

1. [1.1] MORE, Jai - MISRA, Anuradha. Application of Coherent State Approach for the Cancellation of Infrared Divergences to All Orders in LFQED. In FEW-BODY SYSTEMS. ISSN 0177-7963, 2015, vol. 56, no. 6-9, pp. 551., WOS

ADCA479 MAŤKO, Igor - ILLEKOVÁ, Emília - ŠVEC, Peter - DUHAJ, Pavol. Crystallization characteristics in the Fe-Si-B glassy ribbon system. In Materials Science and Engineering A, 1997, vol. 225, no. 1-2, p. 145-152. (0.852 - IF1996). (1997 - Current Contents, WOS, SCOPUS). ISSN 0921-5093.

Citácie:

1. [1.1] ALAM, Talukder - BORKAR, Tushar - JOSHI, Sameehan S. - KATAKAM, Shravan - CHEN, X. - DAHOTRE, Narendra B. - RAMANUJAN, Raju V. - BANERJEE, Rajarshi. Influence of niobium on laser de-vitrification of Fe-Si-B based amorphous magnetic alloys. In JOURNAL OF NON-CRYSTALLINE SOLIDS. ISSN 0022-3093, 2015, vol. 428, pp. 75-81., WOS

ADCA480 MAŤKO, Igor - ILLEKOVÁ, Emília - ŠVEC, Peter - DUHAJ, Pavol - CSOMOROVÁ, Katarína. Local ordering model in Fe-Si-B amorphous alloys. In Materials Science and Engineering A, 1997, vol. 226, p. 280-284. (0.852 - IF1996). (1997 - Current Contents, WOS, SCOPUS). ISSN 0921-5093.

Citácie:

1. [1.1] MA, H. J. - SHEN, K. C. - PAN, S. P. - ZHAO, J. - QIN, J. Y. - KIM, K. B. - WANG, W. M. Role of tri-capped triangular prism (TTP) polyhedra in formation and destabilization of Fe-Y-B glassy alloys. In JOURNAL OF NON-CRYSTALLINE SOLIDS. ISSN 0022-3093, 2015, vol. 425, pp. 67-73., WOS

2. [1.1] ZHOU, Shaoxiong - DONG, Bangshao - XIANG, Rui - ZHANG, Guangqiang - QIN, Jingyu - BIAN, Xiufang. Influence of clusters in melt on the subsequent glass-formation and crystallization of Fe-Si-B metallic glasses. In PROGRESS IN NATURAL SCIENCE-MATERIALS INTERNATIONAL. ISSN 1002-0071, 2015, vol. 25, no. 2, pp. 137-140., WOS

ADCA481 MEAIR, J. - STAŇO, Peter - JACQUOD, P. Measuring spin accumulations with current noise. In Physical Review B, 2011, vol. 84, no. 7, 073302. (3.774 - IF2010). (2011 - Current Contents, WOS, SCOPUS). ISSN 1550-235X.

Citácie:

1. [1.1] ARAKAWA, Tomonori - SHIOGAI, Junichi - CIORGA, Mariusz - UTZ, Martin - SCHUH, Dieter - KOHDA, Makoto - NITTA, Junsaku - BOUGEARD, Dominique - WEISS, Dieter - ONO, Teruo - KOBAYASHI, Kensuke. Shot Noise Induced by Nonequilibrium Spin Accumulation. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 114, no. 1, 016601., WOS

2. [1.1] KUMAR, Ashutosh - NAGARAJAN, S. - SOPANEN, M. - KUMAR, V. - SINGH, R. Temperature dependent 1/f noise characteristics of the Fe/GaN ferromagnetic Schottky barrier diode. In SEMICONDUCTOR SCIENCE AND TECHNOLOGY. ISSN 0268-1242, 2015, vol. 30, no. 10, 105022., WOS

3. [1.1] XUE, Hai-Bin - JIAO, Hu-Jun - LIANG, Jiu-Qing - LIU, Wu-Ming. Non-Markovian full counting statistics in quantum dot molecules. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2015, vol. 5, 8978., WOS

ADCA482 MEHMOOD, N. - VLASÁK, Gabriel - KUBEL, F. - TURTELLI, R.S. - GROESSINGER, R. - KRIEGISCH, M. - SASSIK, H. - ŠVEC, Peter. Magnetostriction of rapidly quenched Fe-X (X=Al, Ga) ribbons an function of the quenching rate. In IEEE Transactions on Magnetics, 2009, vol. 45, no. 10, p. 4128-4131. ISSN 0018-9464.

Citácie:

1. [1.1] LIU, Hao - WANG, Hai-ou - CAO, Meng-xiong - TAN, Wei-shi - SHI,

Yang-guang - XU, Feng - JIA, Quan-jie - HUANG, Yu-ying. Magnetostriction and microstructure of melt-spun Fe77Ga23 ribbons prepared with different wheel velocities. In TRANSACTIONS OF NONFERROUS METALS SOCIETY OF CHINA. ISSN 1003-6326, 2015, vol. 25, no. 1, pp. 122-128., WOS

2. [1.1] WU, Wei - LIU, Jinghua - JIANG, Chengbao. Tb solid solution and enhanced magnetostriction in Fe83Ga17 alloys. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2015, vol. 622, pp. 379-383., WOS

ADCA483 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. (1.316 - IF2011). (2012 - Current Contents). ISSN 0370-1972.

Citácie:

1. [1.1] BO, Zheng - YANG, Huachao - LV, Peng - QIAN, Jiajing - YU, Kehan - LU, Ganhua - WEI, Wei - YAN, Jianhua - CEN, Kefa. In PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS. OCT 2015, vol. 252, no. 10, p. 2236-2244., WOS

2. [1.1] MICHNIAK, Pavol - MARTON, Marian - BEHUL, Miroslav - REDHAMMER, Robert - VANKO, Gabriel. ANALYSIS OF CARBON NANOWALS PREPARED BY HOT FILAMENT CHEMICAL VAPOUR DEPOSITION. In NANOCON 2015: 7TH INTERNATIONAL CONFERENCE ON NANOMATERIALS RESEARCH & APPLICATION, 2015, pp. 143-148., WOS

3. [1.1] MISHIN, M. V. - PROTOPOPOVA, V. S. - ALEXANDROV, S. E. Plasmachemical synthesis in low-temperature atmospheric pressure plasma. In RUSSIAN JOURNAL OF GENERAL CHEMISTRY. ISSN 1070-3632, 2015, vol. 85, no. 5, pp. 1209., WOS

4. [1.1] ZOU, H. H. - BAI, H. - YU, J. H. - WANG, Y. - LIAO, Q. L. - NISHIMURA, K. - ZENG, L. M. - JIANG, N. Architecting graphene nanowalls on diamond powder surface. In COMPOSITES PART B-ENGINEERING. ISSN 1359-8368, 2015, vol. 73, pp. 57-60., WOS

ADCA484 MIHALKOVIČ, Marek - WIDOM, M. First-principles prediction of a decagonal quasicrystal containing boron. In Physical Review Letters, 2004, vol. 93, no. 9, 095507. (7.035 - IF2003). (2004 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Citácie:

1. [1.1] KITAHARA, Koichi - TAKAGIWA, Yoshiki - KIMURA, Kaoru. Semimetallic Band Structure and Cluster-Based Description of a Cubic Quasicrystalline Approximant in the Al-Cu-Ir System. In JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN. ISSN 0031-9015, 2015, vol. 84, no. 1, 014703., WOS

2. [1.1] TAKAGIWA, Y. - MIYAZAKI, Y. - YOSHIDA, T. - YANAGIHARA, D. - UEDA, S. - KITAHARA, K. - KIMURA, K. Thermoelectric properties of (alpha-, delta-, zeta-) Ti-Ru-B approximants for the decagonal quasicrystal. In SOLID STATE SCIENCES. ISSN 1293-2558, 2015, vol. 47, pp. 32., WOS

ADCA485 MIHALKOVIČ, Marek - WIDOM, M. - HENLEY, C.L. Cell-constrained melt-quench simulation of d-AlCoNo: Ni-rich versus Co-rich structures. In Philosophical Magazine, 2011, vol. 91, no. 19-21, p. 2557-2566. (1.302 - IF2010). (2011 - Current Contents). ISSN 1478-6435.

Citácie:

1. [1.1] ODINOKOV, Alexey - FREIDZON, Alexandra - BAGATURYANTS, Alexander. Molecular dynamics simulation of the glass transition in 4,4 '-N,N '-dicarbazolylbiphenyl. In CHEMICAL PHYSICS LETTERS. ISSN 0009-2614, 2015, vol. 633, pp. 41-46., WOS

ADCA486 MIHALKOVIČ, Marek - WIDOM, M. Canonical cell model of cadmium-based icosahedral alloys. In Philosophical Magazine, 2006, vol. 86, no. 3-5, p. 519-527. ISSN 1478-6435.

Citácie:

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

2. [1.1] MADISON, Alexey E. Atomic structure of icosahedral quasicrystals: stacking multiple quasi-unit cells. In RSC ADVANCES. ISSN 2046-2069, 2015, vol. 5, no. 97, pp. 79279., WOS

ADCA487 MIHALKOVIČ, Marek - ELHOR, H. - SUCK, J.B. Atomic dynamics in Al-Co alloys near the composition of the decagonal quasicrystal. In Physical Review B, 2001, vol. 63, no. 21, 214301. (3.065 - IF2000). (2001 - Current Contents, WOS, SCOPUS). ISSN 1550-235X.

Citácie:

1. [1.1] MEIER, M. - LEDIEU, J. - DE WEERD, M.C. - HUANG, Ying-Tzu - ABREU, G. J. P. - PUSSI, K. - DIEHL, R. D. - MAZET, T. - FOURNEE, V. - GAUDRY, E. Interplay between bulk atomic clusters and surface structure in complex intermetallic compounds: The case study of the Al5Co2(001) surface. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 91, no. 8, 085414., WOS

ADCA488 MIHALKOVIČ, Marek - LEHYANI, Al.I. - COCKAYNE, E. - HENLEY, C.L. - WIDOM, M. Total-energy-based prediction of a quasicrystal structure. In Physical Review B, 2002, vol. 65, no. 10, 104205. (3.070 - IF2001). (2002 - Current Contents, WOS, SCOPUS). ISSN 1550-235X.

Citácie:

1. [1.1] LI XIAO-TIAN - YANG XIAO-BAO - ZHAO YU-JUN. Quasilattice-Conserved Optimization of the Atomic Structure of Decagonal Al-Co-Ni Quasicrystals. In CHINESE PHYSICS LETTERS. ISSN 0256-307X, 2015, vol. 32, no. 3, 036102., WOS

ADCA489 MIHALKOVIČ, Marek - WIDOM, M. Ab initio calculations of cohesive energies of Fe-based glass-forming alloys. In Physical Review B, 2004, vol. 70, no. 14, 144107. (2.962 - IF2003). (2004 - Current Contents, WOS, SCOPUS). ISSN 1550-235X.

Citácie:

1. [1.1] KUSNE, A. G. - KELLER, D. - ANDERSON, A. - ZABAN, A. - TAKEUCHI, I. High-throughput determination of structural phase diagram and constituent phases using GRENDEL. In NANOTECHNOLOGY. ISSN 0957-4484, 2015, vol. 26, no. 44, 444002., WOS

ADCA490 MIHALKOVIČ, Marek - WIDOM, M. First-principles calculations of cohesive energies in the Al-Co binary alloy system. In Physical Review B, 2007, vol. 75, no. 1, 014207. (3.107 - IF2006). (2007 - Current Contents, WOS, SCOPUS). ISSN 1550-235X.

Citácie:

1. [1.1] MEIER, M. - LEDIEU, J. - DE WEERD, M.C. - HUANG, Ying-Tzu - ABREU, G. J. P. - PUSSI, K. - DIEHL, R. D. - MAZET, T. - FOURNEE, V. - GAUDRY, E. Interplay between bulk atomic clusters and surface structure in complex intermetallic compounds: The case study of the Al5Co2(001) surface. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 91, no. 8, 085414., WOS

2. [1.1] PRIPUTEN, P. - KUSY, M. - DRIENOVSKY, M. - JANICKOVIC, D. - CICKA, R. - CERNICKOVA, I. - JANOVEC, J. Experimental reinvestigation of Al-Co phase diagram in vicinity of Al13Co4 family of phases. In JOURNAL OF

ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2015, vol. 647, pp. 486., WOS
3. [1.1] PUN, G. P. Purja - YAMAKOV, V. - MISHIN, Y. Interatomic potential for the ternary Ni-Al-Co system and application to atomistic modeling of the B2-L1(0) martensitic transformation. In MODELLING AND SIMULATION IN MATERIALS SCIENCE AND ENGINEERING. ISSN 0965-0393, 2015, vol. 23, no. 6, 065006., WOS

ADCA491 MIHALKOVIČ, Marek - ZHU, W.J. - HENLEY, C.L. - OXBORROW, M. Icosahedral quasicrystal decoration models. 1. Geometrical principles. In Physical Review B, 1996, vol. 53, no. 14, p. 9002-9020. (2.834 - IF1995). (1996 - Current Contents). ISSN 1550-235X.

Citácie:

1. [1.1] MADISON, Alexey E. Atomic structure of icosahedral quasicrystals: stacking multiple quasi-unit cells. In RSC ADVANCES. ISSN 2046-2069, 2015, vol. 5, no. 97, pp. 79279., WOS

ADCA492 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. (3.691 - IF2011). (2012 - Current Contents, WOS, SCOPUS). ISSN 1550-235X.

Citácie:

1. [1.1] DE BOISSIEU, Marc. ICOSAHEDRAL QUASICRYSTALS Assembled with one component. In NATURE MATERIALS. ISSN 1476-1122, 2015, vol. 14, no. 1, pp. 18., WOS
2. [1.1] ENGEL, Michael - DAMASCENO, Pablo F. - PHILLIPS, Carolyn L. - GLOTZER, Sharon C. Computational self-assembly of a one-component icosahedral quasicrystal. In NATURE MATERIALS. ISSN 1476-1122, 2015, vol. 14, no. 1, pp. 109., WOS
3. [1.1] RYLTSEV, Roman - KLUMOV, Boris - CHTCHELKATCHEV, Nikolay. Self-assembly of the decagonal quasicrystalline order in simple three-dimensional systems. In SOFT MATTER. ISSN 1744-683X, 2015, vol. 11, no. 35, pp. 6991., WOS

ADCA493 MIHALKOVIČ, Marek - WIDOM, M. Structure and stability of Al2Fe and Al5Fe2: First-principles total energy and phonon calculations. In Physical Review B, 2012, vol. 85, no. 1, 014113. (3.691 - IF2011). (2012 - Current Contents, WOS, SCOPUS). ISSN 1550-235X.

Citácie:

1. [1.1] BASARIYA, M. Raviathul - ROY, Rajat K. - PRAMANICK, A. K. - SRIVASTAVA, V. C. - MUKHOPADHYAY, N. K. Structural transition and softening in Al-Fe intermetallic compounds induced by high energy ball milling. In MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING. ISSN 0921-5093, 2015, vol. 638, pp. 282., WOS
2. [1.1] GHOSH, Tanmoy - JENA, Ambika Prasad - MOOKERJEE, Abhijit. Effects of chemical ordering and composition on the magnetic properties of disordered FeAl alloys. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2015, vol. 639, pp. 583., WOS

ADCA494 MIHALKOVIČ, Marek - HENLEY, C.L. Caged clusters in Al11Ir4: Structural transition and insulating phase. In Physical Review B, 2013, vol. 88, 064201. (3.767 - IF2012). (2013 - Current Contents, WOS, SCOPUS). ISSN 1550-235X.

Citácie:

1. [1.1] KITAHARA, Koichi - TAKAGIWA, Yoshiki - KIMURA, Kaoru. Semimetallic Band Structure and Cluster-Based Description of a Cubic Quasicrystalline Approximant in the Al-Cu-Ir System. In JOURNAL OF THE

PHYSICAL SOCIETY OF JAPAN. ISSN 0031-9015, 2015, vol. 84, no. 1, 014703., WOS

2. [1.1] PAN, Y. - WEN, M. - WANG, L. - WANG, X. - LIN, Y. H. - GUAN, W. M. Iridium concentration driving the mechanical properties of iridium-aluminum compounds. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2015, vol. 648, pp. 771., WOS

ADCA495 MIKOVÁ, M. - SEDLÁK, Michal - STRAKA, I. - MIČUDA, M. - ZIMAN, Mário - JEŽEK, M. - DUŠEK, M. - FIURÁŠEK, J. Optimal entanglement-assisted discrimination of quantum measurements. In Physical Review A, 2014, vol. 90, no. 2, 022317. (2.991 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 1050-2947.

Citácie:

1. [1.1] CAO, Tian-Qing - GAO, Fei - ZHANG, Zhi-Chao - YANG, Ying-Hui - WEN, Qiao-Yan. Perfect discrimination of projective measurements with the rank of all projectors being one. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2015, vol. 14, no. 7, pp. 2645., WOS

ADCA496 MIKULIK, P. - JERGEL, Matej - BAUMBACH, T. - MAJKOVÁ, Eva - PINČÍK, Emil - LUBY, Štefan - ORTEGA, L. - TUCOULOU, R. - HUDEK, Peter - KOSTIČ, Ivan. Coplanar and non-coplanar x-ray reflectivity characterization of lateral W/Si multilayer gratings. In Journal of Physics D: Applied Physics. - Bristol : Institute of Physics Publishing, 2001, vol. 34, no. 10A, p. A188-A192. (1.179 - IF2000). (2001 - Current Contents, SCOPUS). ISSN 0022-3727.

Citácie:

1. [1.1] SOCCIO, M. - RUEDA, D. R. - GARCIA-GUTIERREZ, M. C. - ALAYO, N. - PEREZ-MURANO, F. - LOTTI, N. - MUNARI, A. - EZQUERRA, T. A. Morphology of poly(propylene azelate) gratings prepared by nanoimprint lithography as revealed by atomic force microscopy and grazing incidence X-ray scattering. In POLYMER. ISSN 0032-3861, 2015, vol. 61, no., pp. 61-67., WOS

2. [1.1] SUNDAY, Daniel F. - LIST, Scott - CHAWLA, Jasmeet S. - KLINE, R. Joseph. Determining the shape and periodicity of nanostructures using small-angle X-ray scattering. In JOURNAL OF APPLIED CRYSTALLOGRAPHY. ISSN 1600-5767, 2015, vol. 48, no., pp. 1355., WOS

3. [3.1] WERNECKE, J. When size does matter: Dimensional metrology of nanostructured layers and surfaces using x-rays. PhD Thesis, Technische Universität Berlin. 2015, 145 p.

4. [9] MARTÍN-FABIANI CARRATO, I. Nanoestructuración de materiales poliméricos con morfología controlada. Doctoral thesis, Universidad Complutense de Madrid. 2014, 177 pp., Google Scholar

ADCA497 MORAVČÍKOVÁ, Lenka - ZIMAN, Mário. Entanglement-annihilating and entanglement-breaking channels. In Journal of Physics A, 2010, vol. 43, no. 27, 275306. (1.577 - IF2009). (2010 - Current Contents, EBSCO, SCOPUS). ISSN 1751-8113.

Citácie:

1. [1.1] AOLITA, Leandro - DE MELO, Fernando - DAVIDOVICH, Luiz. Open-system dynamics of entanglement: a key issues review. In REPORTS ON PROGRESS IN PHYSICS. ISSN 0034-4885, 2015, vol. 78, no. 4, 042001., WOS

2. [1.1] GUO, Zhihua - CAO, Huaixin - QU, Shixian. Structures of Three Types of Local Quantum Channels Based on Quantum Correlations. In FOUNDATIONS OF PHYSICS. ISSN 0015-9018, 2015, vol. 45, no. 4, pp. 355., WOS

3. [1.1] LAMI, L. - GIOVANNETTI, V. Entanglement-breaking indices. In JOURNAL OF MATHEMATICAL PHYSICS. ISSN 0022-2488, 2015, vol. 56, no. 9, 092201., WOS

ADCA498 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. (1.019 - IF2008). (2009 - Current Contents, SCOPUS). ISSN 0168-9002.

Citácie:

1. [1.1] BURLA, Maria Cristina - CALIANDRO, Rocco - CARROZZINI, Benedetta - CASCARANO, Giovanni Luca - CUOCCI, Corrado - GIACOVAZZO, Carmelo - MALLAMO, Mariarosaria - MAZZONE, Annamaria - POLIDORI, Giampiero. Crystal structure determination and refinement via SIR2014. In JOURNAL OF APPLIED CRYSTALLOGRAPHY. ISSN 1600-5767, 2015, vol. 48, pp. 306., WOS

2. [1.1] GUO DONG-YA - WANG HUAN-YU - PENG WEN-XI - CUI XING-ZHU - ZHANG CHENG-MO - LIU YA-QING - LIANG XIAO-HUA - DONG YI-FAN - WANG JIN-ZHOU - GAO MIN - YANG JIA-WEI - ZHANG JIA-YU - LI CHUN-LAI - ZOU YONG-LIAO - ZHANG GUANG-LIANG - ZHANG LI-YAN - FU XIAO-HUI. Ground-based verification and data processing of Yutu rover Active Particle-induced X-ray Spectrometer. In CHINESE PHYSICS C. ISSN 1674-1137, 2015, vol. 39, no. 7, 076002., WOS

3. [1.1] HE, Jianfeng - XIAO, Hailing - YANG, Yaozong - QU, Jianhui - XU, Hongkun - LIN, Liu. A Study of Background Subtraction Method for NaI(TI) Instrument Spectrum Based on Adaptive FWHM. In PROCEEDINGS OF THE 3RD INTERNATIONAL CONFERENCE ON MECHANICAL ENGINEERING AND INTELLIGENT SYSTEMS (ICMEIS 2015). ISSN 2352-5401, 2015, vol. 26, pp. 462., WOS

4. [1.1] SCHULZE, H. Georg - TURNER, Robin F. B. Development and Integration of Block Operations for Data Invariant Automation of Digital Preprocessing and Analysis of Biological and Biomedical Raman Spectra. In APPLIED SPECTROSCOPY. ISSN 0003-7028, 2015, vol. 69, no. 6, pp. 643., WOS

5. [1.1] STOECKEL, Stephan - MEISEL, Susann - ELSCHNER, Mandy - MELZER, Falk - ROESCH, Petra - POPP, Juergen. Raman spectroscopic detection and identification of Burkholderia mallei and Burkholderia pseudomallei in feedstuff. In ANALYTICAL AND BIOANALYTICAL CHEMISTRY. ISSN 1618-2642, 2015, vol. 407, no. 3, pp. 787., WOS

6. [1.1] TOMOYORI, K. - HIRANO, Y. - KURIHARA, K. - TAMADA, T. Background elimination using the SNIP algorithm for Bragg reflections from a protein crystal measured by a TOF single-crystal neutron diffractometer. In 21ST INTERNATIONAL CONFERENCE ON COMPUTING IN HIGH ENERGY AND NUCLEAR PHYSICS (CHEP2015), PARTS 1-9. ISSN 1742-6588, 2015, vol. 664, 072049., WOS

ADCA499 MORHÁČ, Miroslav - MATOUŠEK, Vladislav. Library of sophisticated functions for analysis of nuclear spectra. In Computer Physics Communications, 2009, vol. 180, p. 1913-1940. ISSN 0010-4655.

Citácie:

1. [1.1] REINHARDT, Sascha - HARTMANN, Soeren - PIMPL, Richard. Full Spectrum Analysis in Environmental Monitoring. In ATW-INTERNATIONAL JOURNAL FOR NUCLEAR POWER. ISSN 1431-5254, 2015, vol. 60, no. 6, pp. 381-383., WOS

ADCA500 MORHÁČ, Miroslav - KLIMAN, Ján - MATOUŠEK, Vladislav - VESELSKÝ, Martin - TURZO, Ivan. Background elimination methods for mulltidimensional coincidence gamma-ray spectra. In Nuclear Instruments and Methods in Physics

Research A, 1997, vol. 401, no. 1, p. 113-132. (1.038 - IF1996). (1997 - Current Contents, SCOPUS). ISSN 0168-9002.

Citácie:

1. [1.1] AL JEBALI, Ramsey - ANNAND, John R. M. - ADLER, Jan-Olof - AKKURT, Iskender - BUCHANAN, Emma - BRUDVIK, Jason - FISSUM, Kevin - GARDNER, Simon - HAMILTON, David J. - HANSEN, Kurt - ISAKSSON, Lennart - LIVINGSTON, Kenneth - LUNDIN, Magnus - MCGEORGE, John C. - MACGREGOR, Ian J. D. - MACRAE, Roderick - MIDDLETON, Duncan G. - REITER, Andreas J. H. - ROSNER, Guenther - SCHRODER, Bent - SJOGREN, Johan - SOKHAN, Daria - STRANDBERG, Bruno. A helium gas scintillator active target for photoreaction measurements. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2015, vol. 51, no. 10, 123., WOS

2. [1.1] AROSIO, V. - CACCIA, M. - CHMILL, V. - EBOLESE, A. - LOCATELLI, M. - MARTEMIYANOV, A. - MATTONE, C. - SANTORO, R. - TINTORI, C. Development of a Silicon Photomultiplier toolkit for science and education. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, 2015, vol. 10, C07012., WOS

3. [1.1] BEGUIER, Serge - KASSI, Samir - CAMPARGUE, Alain. An empirical line list for methane in the 1.25 mu m transparency window. In JOURNAL OF MOLECULAR SPECTROSCOPY. ISSN 0022-2852, 2015, vol. 308, pp. 1., WOS

4. [1.1] HE, Jianfeng - XIAO, Hailing - YANG, Yaozong - QU, Jianhui - XU, Hongkun - LIN, Liu. A Study of Background Subtraction Method for NaI(TI) Instrument Spectrum Based on Adaptive FWHM. In PROCEEDINGS OF THE 3RD INTERNATIONAL CONFERENCE ON MECHANICAL ENGINEERING AND INTELLIGENT SYSTEMS (ICMEIS 2015). ISSN 2352-5401, 2015, vol. 26, pp. 462., WOS

5. [1.1] KAGAYA, M. - KATAGIRI, H. - ENOMOTO, R. - HANAFUSA, R. - HOSOKAWA, M. - ITOH, Y. - MURAISHI, H. - NAKAYAMA, K. - SATOH, K. - TAKEDA, T. - TANAKA, M. M. - UCHIDA, T. - WATANABE, T. - YANAGITA, S. - YOSHIDA, T. - UMEHARA, K. Development of a low-cost-high-sensitivity Compton camera using CsI (Tl) scintillators (gamma I). In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, 2015, vol. 804, pp. 25., WOS

6. [1.1] KLOSS, Sandra - LORENZ, Bjoern - DEES, Stefan - LABUGGER, Ines - ROESCH, Petra - POPP, Juergen. Destruction-free procedure for the isolation of bacteria from sputum samples for Raman spectroscopic analysis. In ANALYTICAL AND BIOANALYTICAL CHEMISTRY. ISSN 1618-2642, 2015, vol. 407, no. 27, pp. 8333., WOS

7. [1.1] KLOSS, Sandra - ROESCH, Petra - PFISTER, Wolfgang - KIEHNTOPF, Michael - POPP, Juergen. Toward Culture-Free Raman Spectroscopic Identification of Pathogens in Ascitic Fluid. In ANALYTICAL CHEMISTRY. ISSN 0003-2700, 2015, vol. 87, no. 2, pp. 937., WOS

8. [1.1] KUSIC, Dragana - KAMPE, Bernd - RAMOJI, Anuradha - NEUGEBAUER, Ute - ROESCH, Petra - POPP, Jurgen. Raman spectroscopic differentiation of planktonic bacteria and biofilms. In ANALYTICAL AND BIOANALYTICAL CHEMISTRY. ISSN 1618-2642, 2015, vol. 407, no. 22, pp. 6803., WOS

9. [1.1] LAZICKI, A. - RYGG, J. R. - COPPARI, F. - SMITH, R. - FRATANDUONO, D. - KRAUS, R. G. - COLLINS, G. W. - BRIGGS, R. - BRAUN, D. G. - SWIFT, D. C. - EGGERT, J. H. X-Ray Diffraction of Solid Tin to 1.2 TPa. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 115, no. 7,

075502., WOS
10. [1.1] NEGM, Hani - OHGAKI, Hideaki - DAITO, Izuru - HAYAKAWA, Takehito - ZEN, Heishun - KII, Toshiteru - MASUDA, Kai - HORI, Toshitada - HAJIMA, Ryoichi - SHIZUMA, Toshiyuki - KIKUZAWA, Nobuhiro. Reaction-yield dependence of the (gamma, gamma ') reaction of U-238 on the target thickness. In JOURNAL OF NUCLEAR SCIENCE AND TECHNOLOGY. ISSN 0022-3131, 2015, vol. 52, no. 6, pp. 811., WOS
11. [1.1] PINTO, M. - BAJARD, M. - BRONS, S. - CHEVALLIER, M. - DAUVERGNE, D. - DEDES, G. - DE RYDT, M. - FREUD, N. - KRIMMER, J. - LA TESSA, C. - LETANG, J. M. - PARODI, K. - PLESKAC, R. - PRIEELS, D. - RAY, C. - RINALDI, I. - ROELLINGHOFF, F. - SCHARDT, D. - TESTA, E. - TESTA, M. Absolute prompt-gamma yield measurements for ion beam therapy monitoring. In PHYSICS IN MEDICINE AND BIOLOGY. ISSN 0031-9155, 2015, vol. 60, no. 2, pp. 565., WOS
12. [1.1] SCHUG, David - WEHNER, Jakob - GOLDSCHMIDT, Benjamin - LERCHE, Christoph - DUEPPENBECKER, Peter Michael - HALLEN, Patrick - WEISSLER, Bjoern - GEBHARDT, Pierre - KIESSLING, Fabian - SCHULZ, Volkmar. Data Processing for a High Resolution Preclinical PET Detector Based on Philips DPC Digital SiPMs. In IEEE TRANSACTIONS ON NUCLEAR SCIENCE. ISSN 0018-9499, 2015, vol. 62, no. 3, pp. 669., WOS
13. [1.1] TOMOYORI, K. - HIRANO, Y. - KURIHARA, K. - TAMADA, T. Background elimination using the SNIP algorithm for Bragg reflections from a protein crystal measured by a TOF single-crystal neutron diffractometer. In JOURNAL OF PHYSICS CONFERENCE SERIES, 2015, vol. 664, 072049., WOS

ADCA501 MORHÁČ, Miroslav - KLIMAN, Ján - MATOUŠEK, Vladislav - VESELSKÝ, Martin - TURZO, Ivan. Efficient one-and two-dimensional gold deconvolution and its application. In Nuclear Instruments and Methods in Physics Research A, 1997, vol. 401, no. 2-3, p. 385-408. (1.038 - IF1996). (1997 - Current Contents, SCOPUS). ISSN 0168-9002.

Citácie:
1. [1.1] TAGUCHI, N. - KITTA, M. - SAKAEBE, H. - KOHYAMA, M. - AKITA, T. Lithium analysis using reflection EELS for lithium compounds. In JOURNAL OF ELECTRON SPECTROSCOPY AND RELATED PHENOMENA. ISSN 0368-2048, 2015, vol. 203, pp. 40-44., WOS

ADCA502 MORHÁČ, Miroslav - MATOUŠEK, Vladislav - KLIMAN, Ján. Efficient algorithm of multidimensional deconvolution and its application to nuclear data processing. In Digital Signal Processing, 2003, vol. 13, p. 144-171.

Citácie:
1. [1.1] GAO, Shuai - NIU, Zheng - SUN, Gang - ZHAO, Dan - JIA, Kun - QIN, Yuchu. Height Extraction of Maize Using Airborne Full-Waveform LIDAR Data and a Deconvolution Algorithm. In IEEE GEOSCIENCE AND REMOTE SENSING LETTERS. ISSN 1545-598X, 2015, vol. 12, no. 9, pp. 1978-1982., WOS
2. [1.1] TAGUCHI, N. - KITTA, M. - SAKAEBE, H. - KOHYAMA, M. - AKITA, T. Lithium analysis using reflection EELS for lithium compounds. In JOURNAL OF ELECTRON SPECTROSCOPY AND RELATED PHENOMENA. ISSN 0368-2048, 2015, vol. 203,pp. 40-44., WOS

ADCA503 MORHÁČ, Miroslav - KLIMAN, Ján - MATOUŠEK, Vladislav - VESELSKÝ, Martin - TURZO, Ivan. Identification of peaks in multidimensional coincidence ç-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. (0.921 - IF1999). (2000 - Current Contents, SCOPUS). ISSN 0168-9002.

Citácie:

1. [1.1] CAVOTO, G. - DABAGOV, S. - HAMPAI, D. - PIREDDA, G. - RENGA, F. - RIPICCINI, E. - VOENA, C. - ZULLO, A. Study of the single cluster response of a helium-isobutane drift chamber prototype using 8 keV X-rays. In JOURNAL OF INSTRUMENTATION. ISSN 1748-0221, 2015, vol. 10, P03012., WOS

2. [1.1] SCHUG, David - WEHNER, Jakob - GOLDSCHMIDT, Benjamin - LERCHE, Christoph - DUEPPENBECKER, Peter Michael - HALLEN, Patrick - WEISSLER, Bjoern - GEBHARDT, Pierre - KIESSLING, Fabian - SCHULZ, Volkmar. Data Processing for a High Resolution Preclinical PET Detector Based on Philips DPC Digital SiPMs. In IEEE TRANSACTIONS ON NUCLEAR SCIENCE. ISSN 0018-9499, 2015, vol. 62, no. 3, pp. 669., WOS

ADCA504 MORHÁČ, Miroslav - MATOUŠEK, Vladislav. Peak clipping algorithms for background estimation in spectroscopic data. In Applied Spectroscopy, 2008, vol. 62, no. 1, p. 91-106. ISSN 0003-7028.

Citácie:

1. [1.1] TOMOYORI, K. - HIRANO, Y. - KURIHARA, K. - TAMADA, T. Background elimination using the SNIP algorithm. In JOURNAL OF PHYSICS CONFERENCE SERIES, 2015, vol. 664, 072049., WOS

2. [1.1] ZHAO, Fengkui - WANG, Aimin. A background subtraction approach based on complex wavelet transforms in EDXRF. In X-RAY SPECTROMETRY. ISSN 0049-8246, 2015, vol. 44, no. 2, pp. 41-47., WOS

ADCA505 MOSER, A. - SALZMANN, I. - OEHZELT, M. - NEUHOLD, A. - FLESCH, H.-G. - IVANČO, Ján - POP, S. - TOADER, T. - ZAHN, D. - SMILGIES, D.M. - RESEL, R. A disordered layered phase in thin films of sexithiophene. In Chemical Physics Letters, 2013, vol. 574, p. 51-55. (2.145 - IF2012). (2013 - Current Contents). ISSN 0009-2614.

Citácie:

1. [1.1] D AVINO, Gabriele - MUCCIOLI, Luca - ZANNONI, Claudio. From Chiral Islands to Smectic Layers: A Computational Journey Across Sexithiophene Morphologies on C-60. In ADVANCED FUNCTIONAL MATERIALS. ISSN 1616-301X, 2015, vol. 25, no. 13, pp. 1985-1995., WOS

2. [1.1] GHANBARI, Ebrahim - WAGNER, Thorsten - ZEPPENFELD, Peter. Layer-Resolved Evolution of Organic Thin Films Monitored by Photoelectron Emission Microscopy and Optical Reflectance Spectroscopy. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2015, vol. 119, no. 42, pp. 24174-24181., WOS

3. [1.1] LORCH, C. - BANERJEE, R. - FRANK, C. - DIETERLE, J. - HINDERHOFER, A. - GERLACH, A. - SCHREIBER, F. Growth of Competing Crystal Phases of alpha-Sexithiophene Studied by Real-Time in Situ X-ray Scattering. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2015, vol. 119, no. 1, pp. 819-825., WOS

4. [1.1] MAINI, Lucia - GALLINO, Federico - ZAMBIANCHI, Massimo - DURSO, Margherita - GAZZANO, Massimo - RUBINI, Katia - GENTILI, Denis - MANET, Ilse - MUCCINI, Michele - TOFFANIN, Stefano - CAVALLINI, Massimiliano - MELUCCI, Manuela. Chemical design enables the control of conformational polymorphism in functional 2,3-thieno(bis)imide-ended materials. In CHEMICAL COMMUNICATIONS. ISSN 1359-7345, 2015, vol. 51, no. 11, pp. 2033-2035., WOS

5. [1.1] SALZMANN, Ingo - HEIMEL, Georg. Toward a comprehensive understanding of molecular doping organic semiconductors (review). In JOURNAL OF ELECTRON SPECTROSCOPY AND RELATED PHENOMENA. ISSN 0368-2048, 2015, vol. 204, pp. 208-222., WOS

6. [1.1] WAGNER, Thorsten - GHANBARI, Ebrahim - HUBER, Daniel - ZEPPENFELD, Peter. The growth of alpha-sexithiophene films on Ag(111) studied by means of PEEM with linearly polarized light. In ULTRAMICROSCOPY. ISSN 0304-3991, 2015, vol. 159, pp. 464-469., WOS

7. [1.1] ZAMBIANCHI, Massimo - FAVARETTO, Laura - DURSO, Margherita - BETTINI, Cristian - ZANELLI, Alberto - MANET, Ilse - GAZZANO, Massimo - MAINI, Lucia - GENTILI, Denis - TOFFANIN, Stefano - GALLINO, Federico - MUCCINI, Michele - CAVALLINI, Massimiliano - MELUCCI, Manuela. Synergic effect of unsaturated inner bridges and polymorphism for tuning the optoelectronic properties of 2,3-thieno(bis)imide based materials. In JOURNAL OF MATERIALS CHEMISTRY C. ISSN 2050-7526, 2015, vol. 3, no. 1, pp. 121-131., WOS

ADCA506 MOSER, Zbigniew - ŠEBO, Pavol - GĄSIOR, 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, pp.63-68. (1.530 - IF2008). ISSN 0364-5916.

Citácie:

1. [1.1] SUN, Lei - ZHANG, Liang. Properties and Microstructures of Sn-Ag-Cu-X Lead-Free Solder Joints in Electronic Packaging. In ADVANCES IN MATERIALS SCIENCE AND ENGINEERING. ISSN 1687-8434, 2015, 639028., WOS

ADCA507 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. (2.866 - IF2009). (2010 - Current Contents). ISSN 1050-2947.

Citácie:

1. [1.1] BRAVYI, Sergey - GOSSET, David. Gapped and gapless phases of frustration-free spin-1/2 chains. In JOURNAL OF MATHEMATICAL PHYSICS. ISSN 0022-2488, 2015, vol. 56, no. 6, DEC 16 2015., WOS

2. [1.1] FACCHI, P. - FLORIO, G. - PARISI, G. - PASCAZIO, S. - SCARDICCHIO, A. Large-N-approximated field theory for multipartite entanglement. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 92, no. 6, DEC 16., WOS

ADCA508 MOYACESSA, H. - BUŽEK, Vladimír - KIM, M.S. - KNIGHT, P.L. Intrinsic decoherence in the atom-field interaction. In Physical Review A, 1993, vol. 48, no. 5, p. 3900-3905. ISSN 1050-2947.

Citácie:

1. [1.1] CHEN, Ai-Xi - ZHANG, Jian-Song. Effects of phase shift on bipartite and multipartite correlations of a spin chain under dephasing. In OPEN PHYSICS. ISSN 2391-5471, 2015, vol. 13, no. 1, pp. 198., WOS

2. [1.1] RAJA, Sina Hamedani - MOHAMMADI, Hamidreza - AKHTARSHENAS, Seyed Javad. Geometric discord of the Jaynes-Cummings model: pure dephasing regime. In EUROPEAN PHYSICAL JOURNAL D. ISSN 1434-6060, 2015, vol. 69, no. 1, 14., WOS

ADCA509 MOYACESSA, H. - BUŽEK, Vladimír - KNIGHT, P.L. Power broadening and shifts of micromaser lineshapes. In Optics Communications, 1991, vol. 85, no. 2-3, p 267-274. ISSN 0030-4018.

Citácie:

1. [1.1] GHOSH, Saswata. Analytical studies on the coherent AC Stark effect of an open lambda-type drive-probe system. In OPTIK. ISSN 0030-4026, 2015, vol. 126, no. 24, pp. 4827., WOS

ADCA510 NÁDAŽDY, Vojtech - DURNÝ, R. - PUIGDOLLERS, J. - VOZ, C. - CHEYLAN,

S. - GMUCOVÁ, Katarína. Experimental observation of oxygen-related defect state in pentacene thin films. In Applied Physics Letters, 2007, vol. 90, no. 9, 092112. (3.977 - IF2006). (2007 - Current Contents, SCOPUS). ISSN 0003-6951.

Citácie:

1. [1.1] BABY, Anu - FRATESI, Guido - VAIDYA, Shital R. - PATERA, Laerte L. - AFRICH, Cristina - FLOREANO, Luca - BRIVIO, Gian Paolo. Anchoring and Bending of Pentacene on Aluminum (001). In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2015, vol. 119, no. 7, pp. 3624., WOS

2. [1.1] BABY, Anu - LIN, He - BRIVIO, Gian Paolo - FLOREANO, Luca - FRATESI, Guido. Core-level spectra and molecular deformation in adsorption: V-shaped pentacene on Al(001). In BEILSTEIN JOURNAL OF NANOTECHNOLOGY. ISSN 2190-4286, 2015, vol. 6, NOV 27 2015., WOS

3. [1.1] CARR, John A. - ELSHOBAKI, Moneim - CHAUDHARY, Sumit. Deep defects and the attempt to escape frequency in organic photovoltaic materials. In APPLIED PHYSICS LETTERS. ISSN 0003-6951, 2015, vol. 107, no. 20, 203302., WOS

ADCA511 NÁDAŽDY, Vojtech - DURNY, R. - PINČÍK, Emil. Evidence for the improved defect-pool model for gap states in amorphous silicon from charge DLTS experiments on undoped a-Si:H. In Physical Review Letters, 1997, vol. 78, no. 6, p. 1102-1105. (1997 - Current Contents, SCOPUS). ISSN 0031-9007.

Citácie:

1. [1.1] DARWICH, Rami. Laplace deep level transient spectroscopy study of intrinsic hydrogenated amorphous silicon. In JOURNAL OF NON-CRYSTALLINE SOLIDS. ISSN 0022-3093, 2015, vol. 411, pp. 119-124., WOS

ADCA512 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. [1.1] KOBAYASHI, Hirotada - LE GALL, Francois - NISHIMURA, Harumichi. STRONGER METHODS OF MAKING QUANTUM INTERACTIVE PROOFS PERFECTLY COMPLETE. In SIAM JOURNAL ON COMPUTING. ISSN 0097-5397, 2015, vol. 44, no. 2, pp. 243., WOS

ADCA513 NAGAJ, Daniel - WOCJAN, P. Hamiltonian quantum cellular automata in 1D. In Physical Review A, 2008, vol. 78, no. 3, 032311. (2.893 - IF2007). (2008 - Current Contents). ISSN 1050-2947.

Citácie:

1. [1.1] WEI, T.-CH.- LIANG C. Hamiltonian quantum computer in one dimension. In PHYSICAL REVIEW A, 2015, vol. 92, NO. 6, 062334., WOS

ADCA514 NAGAJ, Daniel. Universal two-body-Hamiltonian quantum computing. In Physical Review A, 2012, vol. 85, no. 3, 032330. (2.878 - IF2011). (2012 - Current Contents). ISSN 1050-2947.

Citácie:

1. [1.1] SATTATH, Or. AN ALMOST SUDDEN JUMP IN QUANTUM COMPLEXITY. In QUANTUM INFORMATION & COMPUTATION. ISSN 1533-7146, 2015, vol. 15, no. 11-12, pp. 1048., WOS

ADCA515 NAGAJ, Daniel. Fast universal quantum computation with railroad-switch local Hamiltonians. In Journal of Mathematical Physics, 2010, vol. 51, no. 6, 062201. (1.318 - IF2009). (2010 - Current Contents). ISSN 0022-2488.

Citácie:

1. [1.1] EISERT, J. - FRIESDORF, M. - GOGOLIN, C. Quantum many-body systems out of equilibrium. In NATURE PHYSICS. ISSN 1745-2473, 2015, vol.

11, no. 2, pp. 124., WOS

ADCA516 NAGAJ, Daniel - KERENIDIS, I. On the optimality of quantum encryption schemes. In Journal of Mathematical Physics, 2006, vol. 47, no. 9, 092102. ISSN 0022-2488.

Citácie:

1. [1.1] JEONG, Kabgyun - KIM, Jaewan - LEE, Su-Yong. Gaussian private quantum channel with squeezed coherent states. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2015, vol. 5, 13974., WOS

2. [1.1] JEONG, Kabgyun - KIM, Jaewan. Secure sequential transmission of quantum information. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2015, vol. 14, no. 9, pp. 3523., WOS

ADCA517 NAGAJ, Daniel - FARHI, E. - GOLDSTONE, J. - SHOR, P. - SYLVESTER, I. Quantum transverse-field ising model on an infinite tree from matrix product states. In Physical Review B, 2008, vol. 77, no. 21, 214431. (3.172 - IF2007). (2008 - Current Contents, WOS, SCOPUS). ISSN 1550-235X.

Citácie:

1. [1.1] PARK, Sung-Been - CHA, Min-Chul. Matrix product state approach to the finite-size scaling properties of the one-dimensional critical quantum Ising model. In JOURNAL OF THE KOREAN PHYSICAL SOCIETY. ISSN 0374-4884, 2015, vol. 67, no. 9, pp. 1619., WOS

2. [1.1] YI, Hangmo. Quantum phase transition of the transverse-field quantum Ising model on scale-free networks. In PHYSICAL REVIEW E. ISSN 1539-3755, 2015, vol. 91, no. 1, 012146., WOS

ADCA518 NAYAK, J. - MANIRAJ, M. - GLOSKOVSKII, A. - KRAJČÍ, Marián - SEBASTIAN, S. - FISHER, R. - HORN, K. - BARMAN, S.R. Bulk electronic structure of Zn-Mg-Y and Zn-Mg-Dy icosahedral quasicrystals. In Physical Review B, 2015, vol. 91, 235116. (3.736 - IF2014). (2015 - Current Contents, WOS, SCOPUS). ISSN 1550-235X.

Citácie:

1. [1.1] ROGALEV, V. A. - GROENING, O. - WIDMER, R. - DIL, J. H. - BISTI, F. - LEV, L. L. - SCHMITT, T. - STROCOV, V. N. Fermi states and anisotropy of Brillouin zone scattering in the decagonal Al-Ni-Co quasicrystal. In NATURE COMMUNICATIONS. ISSN 2041-1723, 2015, vol. 6, 8607., WOS

ADCA519 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. (7.512 - IF2014). (2015 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Citácie:

1. [1.1] SHAHNAZARYAN, V. - MORINA, S. - TARASENKO, S. A. - SHELYKH, I. A. Spin currents of exciton polaritons in microcavities with (110)-oriented quantum wells. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 92, no. 15, 155305., WOS

ADCA520 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.

Citácie:

1. [1.1] EHLERS, G. - SOLYOM, J. - LEGEZA, O. - NOACK, R. M. Entanglement structure of the Hubbard model in momentum space. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 92, no. 23, 235116., WOS

2. [1.1] PHIEN, Ho N. - BENGUA, Johann A. - TUAN, Hoang D. - CORBOZ, Philippe - ORUS, Roman. Infinite projected entangled pair states algorithm

improved: Fast full update and gauge fixing. In PHYSICAL REVIEW B. ISSN 2469-9950, 2015, vol. 92, no. 3, 035142., WOS
3. [1.1] PHIEN, Ho N. - MCCULLOCH, Ian P. - VIDAL, Guifre. Fast convergence of imaginary time evolution tensor network algorithms by recycling the environment. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 91, no. 11, 115137., WOS
4. [1.1] WARE, Brayden - KIMCHI, Itamar - PARAMESWARAN, S. A. - BAUER, Bela. Topological crystalline Bose insulator in two dimensions via entanglement spectrum. In PHYSICAL REVIEW B. ISSN 2469-9950, 2015, vol. 92, no. 19, 195105., WOS

ADCA521 NOSKO, Martin - SIMANČÍK, František - IŽDINSKÝ, Karol - ŠVEC, Peter - FLOREK, Roman. Stabilizing intermetallic phases within aluminum foam. In Materials Letters, 2011, vol.65, p.1378-1380. (2.117 - IF2010). (2011 - Current Contents). ISSN 0167-577X.

Citácie:
1. [1.1] DUARTE, Isabel - VESENJAK, Matej - KRSTULOVIC-OPARA, Lovre - ANZEL, Ivan - FERREIRA, Jose M. F. Manufacturing and bending behaviour of in situ foam-filled aluminium alloy tubes. In MATERIALS & DESIGN. ISSN 0264-1275, 2015, vol. 66, no., pp. 532., WOS
2. [1.1] HAMPL, Milan - SCHMID-FETZER, Rainer. Experimental investigation and thermodynamic assessment of the Al-Ca-Ti system. In JOURNAL OF MATERIALS SCIENCE. ISSN 0022-2461, 2015, vol. 50, no. 17, pp. 5822., WOS

ADCA522 OBLOŽINSKÝ, Pavol. Preequilibrium gamma-rays with angular-momentum coupling. In Physical review C, 1987, vol. 35, no. 2, p. 407-414. ISSN 2469-9985.

Citácie:
1. [1.1] SU, Xinwu - HAN, Yinlu - CAI, Chonghai. Theoretical calculations of n+Th-232 reaction for energies up to 150 MeV. In ANNALS OF NUCLEAR ENERGY. ISSN 0306-4549, 2015, vol. 76, pp. 469., WOS

ADCA523 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.

Citácie:
1. [1.1] ESCOBAR-RUIZ, M. A. - SHURYAK, E. - TURBINER, A. V. Three-loop correction to the instanton density. I. The quartic double well potential. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 92, no. 2, 025046., WOS

ADCA524 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.

Citácie:
1. [1.1] POTOCEK, Vaclav - BARNETT, Stephen M. On the exponential form of the displacement operator for different systems. In PHYSICA SCRIPTA. ISSN 0031-8949, 2015, vol. 90, no. 6, 065208., WOS

ADCA525 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] POTOCEK, Vaclav - BARNETT, Stephen M. On the exponential form of the displacement operator for different systems. In PHYSICA SCRIPTA. ISSN 0031-8949, 2015, vol. 90, no. 6, 065208., WOS
2. [1.1] ZUNKOVIC, Bojan. Continuous phase-space methods on discrete phase spaces. In EPL. ISSN 0295-5075, 2015, vol. 112, no. 1, 10003., WOS

ADCA526 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. - LALREMRUATA, 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. (3.353 - IF2013). (2014 - Current Contents). ISSN 0090-3752.

Citácie:

1. [1.1] BECKER, B. - KOPECKY, S. - SCHILLEBEECKX, P. On the Methodology to Calculate the Covariance of Estimated Resonance Parameters. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2015, vol. 123, pp. 171-177., WOS

2. [1.1] DAVID, J.C. Spallation reactions: A successful interplay between modeling and applications. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2015, vol. 51, no. 6, article 68., WOS

3. [1.1] FENG, S. - YANG, Y. W. - LU, X. X. - LIU, R. - JIANG, L. - ZHU, T. H. - WANG, M. - QIN, J. G. An integral experiment on thorium oxide/depleted uranium cylinders with D-T neutrons for Th-232(n, 2n) reaction. In ANNALS OF NUCLEAR ENERGY. ISSN 0306-4549, 2015, vol. 81, pp. 281-286., WOS

4. [1.1] HAIGHT, R. C. - WU, C. Y. - LEE, H. Y. - TADDEUCCI, T. N. - PERDUE, B. A. - O&APOS;DONNELL, J. M. - FOTIADES, N. - DEVLIN, M. - ULLMANN, J. L. - BREDEWEG, T. A. - JANDEL, M. - NELSON, R. O. - WENDER, S. A. - NEUDECKER, D. - RISING, M. E. - MOSBY, S. - SJUE, S. - WHITE, M. C. - BUCHER, B. - HENDERSON, R. The LANL/LLNL Prompt Fission Neutron Spectrum Program at LANSCE and Approach to Uncertainties. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2015, vol. 123, pp. 130-134., WOS

5. [1.1] HELGESSON, P. - SJOSTRAND, H. - KONING, A. J. - ROCHMAN, D. - ALHASSAN, E. - POMP, S. Incorporating Experimental Information in the Total Monte Carlo Methodology Using File Weights. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2015, vol. 123, pp. 214-219., WOS

6. [1.1] HUTTON, T. - SUBLET, J. C. - MORGAN, L. - LEADBEATER, T. W. Nuclear data for fusion: Validation of typical pre-processing methods for radiation transport calculations. In FUSION ENGINEERING AND DESIGN. ISSN 0920-3796, 2015, vol. 100, pp. 81-86., WOS

7. [1.1] KHANDAKER, Mayeen Uddin - HABA, Hiromitsu - MURAKAMI, Masashi - OTUKA, Naohiko - ABU KASSIM, Hasan. Excitation functions of deuteron-induced nuclear reactions on natural platinum up to 24 MeV. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS. ISSN 0168-583X, 2015, vol. 362, pp. 151-162., WOS

8. [1.1] KIM, HyoJin - NOH, Sung Jin - KANG, Yeong-Rok - LEE, Manwoo - JEONG, Dong Hyeok - KIM, Jung Ki - YANG, Kwangmo - RO, Tae-Ik - SHIN, Sung Gyun - KYE, Yong Uk - CHO, Moo-Hyun - KIM, Guinyun. Measurement of isomeric yield ratios in the photo-production of Ce-133m,Ce-g;137m,Ce-g from Ce-nat using 55-, 60-, and 65-MeV bremsstrahlung. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS. ISSN 0168-583X, 2015, vol. 349, pp. 141-146., WOS

9. [1.1] KONING, A. J. Bayesian Monte Carlo method for nuclear data evaluation. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2015, vol. 51, no. 12, 184., WOS
10. [1.1] LEEB, H. - SCHNABEL, G. - SRDINKO, Th. - WILDPANER, V. Bayesian Evaluation Including Covariance Matrices of Neutron-induced Reaction Cross Sections of Ta-181. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2015, vol. 123, pp. 153-158., WOS
11. [1.1] MOHR, Peter. Cross sections of alpha-induced reactions for targets with masses A approximate to 20-50 at low energies. In EUROPEAN PHYSICAL JOURNAL A. ISSN 1434-6001, 2015, vol. 51, no. 5, article 56., WOS
12. [1.1] NAIK, H. - SURAYANARAYANA, S. V. - BISHNOI, S. - PATEL, T. - SINHA, A. - GOSWAMI, A. Neutron induced reaction cross-section of Th-232 and U-238 at the neutron energies of 2.45 and 14.8 MeV. In JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY. ISSN 0236-5731, 2015, vol. 303, no. 3, pp. 2497-2504., WOS
13. [1.1] PANG, D. Y. - DEAN, W. M. - MUKHAMEDZHANOV, A. M. Optical model potential of A=3 projectiles for 1 p-shell nuclei. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 91, no. 2, 024611., WOS
14. [1.1] POMP, S. - AL-ADILI, A. - ALHASSAN, E. - GUSTAVSSON, C. - HELGESSON, P. - HELLESEN, C. - KONING, A. J. - LANTZ, M. - OSTERLUND, M. - ROCHMAN, D. - SIMUTKIN, V. - SJOSTRAND, H. - SOLDERS, A. Experiments and Theoretical Data for Studying the Impact of Fission Yield Uncertainties on the Nuclear Fuel Cycle with TALYS/GEF and the Total Monte Carlo Method. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2015, vol. 123, pp. 220-224., WOS
15. [1.1] UDDIN, Md. Shuza - SPAHN, Ingo - HOSSAIN, Syed Mohammad - RUMMAN-UZ-ZAMAN, Md. - RAKIB-UZ-ZAMAN, Md. - QAIM, Syed M. Integral cross section measurements of a few threshold reactions induced by Am/Be neutrons. In RADIOCHIMICA ACTA. ISSN 0033-8230, 2015, vol. 103, no. 5, pp. 329-334., WOS
16. [1.1] VOS, K. K. - WILSCHUT, H. W. - TIMMERMANS, R. G. E. Testing Lorentz invariance in orbital electron capture. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 91, no. 3, 038501., WOS
17. [1.1] WANG, B. S. - NORMAN, E. B. - SCIELZO, N. D. - SMITH, A. R. - THOMAS, K. J. - WENDER, S. A. Cosmogenic-neutron activation of TeO2 and implications for neutrinoless double-beta decay experiments. In PHYSICAL REVIEW C. ISSN 2469-9985, 2015, vol. 92, no. 2, 024620., WOS

ADCA527 OŽVOLD, Milan - BOHÁČ, Vlastimil - GASPARIK, V. - LEGGIERI, G. - LUBY, Štefan - LUCHES, A. - MAJKOVÁ, Eva - MRAFKO, Peter. The optical band-gap of semiconducting iron disilicide thin-films. In Thin Solid Films : international journal on the science and technology of Thin and Thick Films, 1995, vol. 263, no. 1, p. 92-98. (1.410 - IF1994). (1995 - Current Contents). ISSN 0040-6090.

Citácie:

1. [1.1] SEN, Sabyasachi - GOGURLA, Narendar - BANERJI, Pallab - GUHA, Prasanta K. - PRAMANIK, Panchanan. Synthesis and characterization of beta-phase iron suicide nano-particles by chemical reduction. In MATERIALS SCIENCE AND ENGINEERING B-ADVANCED FUNCTIONAL SOLID-STATE MATERIALS. ISSN 0921-5107, 2015, vol. 200, pp. 28-39., WOS

ADCA528 OŽVOLD, Milan - GASPARIK, V. - DUBNIČKA, M. The temperature dependence of the direct gap of beta-FeSi2 films. In Thin Solid Films, 1997, vol. 295, no. 1-2, p. 147-150. (1.320 - IF1996). (1997 - Current Contents). ISSN 0040-6090.

Citácie:

1. [1.1] SEN, Sabyasachi - GOGURLA, Narendar - BANERJI, Pallab - GUHA, Prasanta K. - PRAMANIK, Panchanan. Synthesis and characterization of beta-phase iron suicide nano-particles by chemical reduction. In MATERIALS SCIENCE AND ENGINEERING B-ADVANCED FUNCTIONAL SOLID-STATE MATERIALS. ISSN 0921-5107, 2015, vol. 200, pp. 28., WOS

ADCA529 OŽVOLD, Milan - BOHÁČ, Vlastimil - GASPARIK, V. - LEGGIERI, G. - LUBY, Štefan - LUCHES, A. - MAJKOVÁ, Eva - MRAFKO, Peter. On optical band gap of semiconducting iron disilicide thin films. In Thin Solid Films, 1995, vol. 263, p. 92-98. (1.410 - IF1994). (1995 - Current Contents). ISSN 0040-6090.

Citácie:

1. [1.1] RAO, P.N. et al. Thermally induced interface changes. In THIN SOLID FILMS, 2015, vol. 589, p. 268-271., WOS

2. [1.1] SEN, S. et al. Synthesis and characterization of beta-phase iron silicide nano-particles by chemical reduction. In MATERIALS SCIENCE AND ENGINEERING B, 2015, vol. 200, p. 28-39., WOS

ADCA530 PINČÍK, Emil - KOBAYASHI, Hikaru - RUSNÁK, Jaroslav - TAKAHASHI, Masao - MIKULA, M. - KIM, Woo Byoung - KUČERA, Michal - BRUNNER, Róbert - JUREČKA, S. Passivation of Si-based structures in HCN and KCN solutions. In Applied Surface Science, 2012, vol. 258, p. 8397-8405. (2.103 - IF2011). (2012 - Current Contents). ISSN 0169-4332.

Citácie:

1. [1.1] GAD, K.M. - VOSSING, D. - BALAMOU, P. - HILLER, D. - STEGEMANN, B. - ANGERMANN, H. - KASEMANN, M. High quality tunneling oxides for passivated contacts and heterojunctions for high efficiency silicon solar cells. In 2015 IEEE 42ND PHOTOVOLTAIC SPECIALIST CONFERENCE (PVSC). 2015., WOS

2. [1.1] GAD, K.M. - VOSSING, D. - BALAMOU, P. - HILLER, D. - STEGEMANN, B. - ANGERMANN, H. - KASEMANN, M. Improved Si/SiOx interface passivation by ultra-thin tunneling oxide layers prepared by rapid thermal oxidation. In APPLIED SURFACE SCIENCE. OCT 30 2015, vol. 353, p. 1269-1276., WOS

3. [1.2] Angermann, H., Laades, A., Kegel, J., Klimm, C., Stegemann, B. Solid State Phenomena 219 (2015) 291-296, SCOPUS

ADCA531 PÍSEČNÝ, Pavol - HUŠEKOVÁ, Kristína - FRÖHLICH, Karol - HARMATHA, L. - ŠOLTÝS, Ján - MACHAJDÍK, Daniel - ESPINOS, J.P. - JERGEL, Matej - JAKABOVIČ, J. Growth of lanthanium oxide films for application as a gate dielectrics in CMOS technology. In Materials science in semiconductor processing, 2004, vol. 7, p. 231-236.

Citácie:

1. [1.1] MOUSAVI-KANI, S.N. - BAHARI, A. - MORADINEDJAD, Z. In BULGARIAN CHEMICAL COMMUNICATIONS. 2015, vol. 47, no. 1, p. 80-84., WOS

ADCA532 PLESCH, Martin - DAHLSTEN, O. - GOOLD, J. - VEDRAL, V. Comment on "Quantum Szilard Engine". In Physical Review Letters, 2013, vol. 111, no. 18, 188901. (7.943 - IF2012). (2013 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Citácie:

1. [1.1] ALONSO, J. L. - CASTRO, A. - CLEMENTE-GALLARDO, J. - CUCHI, J. C. - ECHENIQUE, P. - ESTEVE, J. G. - FALCETO, F. Nonextensive thermodynamic functions in the Schrodinger-Gibbs ensemble. In PHYSICAL REVIEW E. ISSN 2470-0045, 2015, vol. 91, no. 2, 022137., WOS

2. [1.1] PARK, Minho - YI, Su Do - BAEK, Seung Ki. Quantum isothermal

reversible process of particles in a box with a delta potential. In JOURNAL OF THE KOREAN PHYSICAL SOCIETY. ISSN 0374-4884, 2015, vol. 66, no. 5, pp. 739-743., WOS

ADCA533 PLESCH, Martin - PIVOLUSKA, M. Device-independent randomness amplification with a single device. In Physics Letters A, 2014, vol. 378, p. 2938-2944. (1.626 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 0375-9601.

Citácie:

1. [1.1] MARTIN, Anthony - SANGUINETTI, Bruno - LIM, Charles Ci Wen - HOULMANN, Raphael - ZBINDEN, Hugo. Quantum Random Number Generation for 1.25-GHz Quantum Key Distribution Systems. In JOURNAL OF LIGHTWAVE TECHNOLOGY. ISSN 0733-8724, 2015, vol. 33, no. 13, pp. 2855-2859., WOS

ADCA534 PLESCH, Martin - BRUKNER, C. Quantum-state preparation with universal gate decompositions. In Physical Review A, 2011, vol. 83, no. 3, 032302. (2.861 - IF2010). (2011 - Current Contents). ISSN 1050-2947.

Citácie:

1. [1.1] DI, Yao-Min - WEI, Hai-Rui - CAO, Ya - LIU, Li - ZHOU, Chun-Hong. Entangling capability of multivalued bipartite gates and optimal preparation of multivalued bipartite quantum states. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2015, vol. 14, no. 6, pp. 1997-2012., WOS

2. [1.1] LEMR, Karel - BARTKIEWICZ, Karol - CERNOCH, Antonn - DUSEK, Miloslav - SOUBUSTA, Jan. Experimental Implementation of Optimal Linear-Optical Controlled-Unitary Gates. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 114, no. 15, 153602., WOS

3. [1.1] LUO, Ming-Xing - MA, Song-Ya - DENG, Yun - WANG, Xiaojun. Deterministic generations of quantum state with no more than six qubits. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2015, vol. 14, no. 3, pp. 901-920., WOS

ADCA535 PLESCH, Martin - BUŽEK, Vladimír. Efficient compression of quantum information. In Physical Review A, 2010, vol. 81, no. 3, 032317. (2.866 - IF2009). (2010 - Current Contents). ISSN 1050-2947.

Citácie:

1. [1.1] CHIRIBELLA, G. - YANG, Y. - HUANG, C. Universal Superreplication of Unitary Gates. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 114, no. 12, 120504., WOS

ADCA536 PLESCH, Martin - BUŽEK, Vladimír. Entangled graphs: Bipartite entanglement in multiqubit systems. In Physical Review A, 2003, vol. 67, no. 1, 012322. ISSN 1050-2947.

Citácie:

1. [1.1] QU, Ri - SHANG, Bing-jian - WANG, Juan - BAO, Yan-ru - LI, Zong-shang - MA, Yi-ping - SONG, Da-wei. Bipartite entanglement and hypergraph states. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2015, vol. 14, no. 2, pp. 547-558, WOS

ADCA537 PRIMA, F. - TOMUT, M. - STONE, I.C. - CANTOR, B. - JANIČKOVIČ, Dušan - VLASÁK, Gabriel - ŠVEC, Peter. In situ resistometric investigation of phase transformations in rapidly solidified Al-based alloys containing dispersed nanoscale particles. In Materials Science and Engineering A - Structural Materials Properties Microstructure and Processing, 2004, vol. 375-377, p. 772-775. (1.363 - IF2003). (2004 - Current Contents, WOS, SCOPUS). ISSN 0921-5093.

Citácie:

1. [1.1] GALANO, M. - MARSH, A. - AUDEBERT, F. - XU, W. - RAMUNDO, M. Nanoquasicrystalline Al-based matrix/gamma-Al2O3 nanocomposites. In

JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2015, vol. 643, S99-S106., WOS

ADCA538 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 Al73Mn27-Fex(x=2, 4 and 6). In Intermetallics, 2009, vol. 17, p. 1047-1051. ISSN 0966-9795.

Citácie:

1. [1.1] BALANETSKYY, S. - PAVLYUCHKOV, D. - VELIKANOVA, T. - GRUSHKO, B. The Al-rich region of the Al-Fe-Mn alloy system. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2015, vol. 619, pp. 211-220., WOS

2. [1.1] ZOLRIASATEIN, Ashkan - SHOKUHFAR, Ali. Homogenizing annealing heat treatment effects on the microstructure, hardness and thermal behavior of Al12Mg17 complex metallic alloy. In MATERIALS & DESIGN. ISSN 0261-3069, 2015, vol. 75, pp. 17-23., WOS

3. [1.1] ZOLRIASATEIN, Ashkan - SHOKUHFAR, Ali. Size effect on the melting temperature depression of Al12Mg17 complex metallic alloy nanoparticles prepared by planetary ball milling. In PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES. ISSN 1386-9477, 2015, vol. 74, pp. 101-107., WOS

ADCA539 PRITYCHENKO, B. - BĚTÁK, Emil - SINGH, B. - TOTANS, J. Nuclear science references database. In Nuclear Data Sheets, 2014, vol. 120, p. 291-293. (3.353 - IF2013). (2014 - Current Contents). ISSN 0090-3752.

Citácie:

1. [1.1] BASUNIA, M. Shamsuzzoha. Nuclear Data Sheets for A=22. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2015, vol. 127, pp. 69-190., WOS

2. [1.1] MCCUTCHAN, E. A. Nuclear Data Sheets for A=180. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2015, vol. 126, pp. 151-372., WOS

ADCA540 PRITYCHENKO, B. - BĚTÁK, Emil - KELLETT, M.A. - SINGH, B. - TOTANS, J. The nuclear science references (NSR) database and web retrieval system. In Nuclear Instruments and Methods in Physics Research A, 2011, vol. 640, p. 213-218. (1.142 - IF2010). (2011 - Current Contents, WOS, SCOPUS). ISSN 0168-9002.

Citácie:

1. [1.1] MCCUTCHAN, E. A. Nuclear Data Sheets for A=83. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2015, vol. 125, pp. 201-393., WOS

2. [1.1] NESARAJA, C. D. Nuclear Data Sheets for A=241. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2015, vol. 130, pp. 183-252., WOS

ADCA541 QUANG, T. - KNIGHT, P.L. - BUŽEK, Vladimír. Quantum collapses and revivals in an optical cavity. In Physical Review A, 1991, vol. 44, no. 9, p. 6092-6108. ISSN 1050-2947.

Citácie:

1. [1.1] CEBAN, V. - MACOVEI, M. A. Sub-Poissonian phonon statistics in an acoustical resonator coupled to a pumped two-level emitter. In JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS. ISSN 1063-7761, 2015, vol. 121, no. 5, pp. 793., WOS

ADCA542 RADULOV, D. - CHIARA, C.J. - DARBY, I.G. - DE WITTE, H. - DIRIKEN, J. - FEDOROV, D.V. - FEDOSSEEV, N. - FRAILE, L.M. - HUYSE, M. - KOSTER, U. - MARSH, B.A. - PAUWELS, D. - POPESCU, L. - SELIVERSTOV, M.D. - SJODIN, A.M. - VAN DEN BERGH, P. - VAN DUPPEN, P. - VENHART, Martin - WALTERS, W.B. - WIMMER, K. Beta decay of 61 Mn to levels in 61 Fe. In Physical Review C, 2013, vol. 88, no. 1, 014307. (3.715 - IF2012). (2013 - Current Contents, WOS, SCOPUS). ISSN 2469-9985.

Citácie:
1. [1.1] BABCOCK, C. - HEYLEN, H. - BILLOWES, J. - BISSELL, M. L. - BLAUM, K. - CAMPBELL, P. - CHEAL, B. - GARCIA RUIZ, R. F. - GEPPERT, C. - GINS, W. - KOWALSKA, M. - KREIM, K. - LENZI, S. M. - MOORE, I. D. - NEUGART, R. - NEYENS, G. - NOERTERSHAEUSER, W. - PAPUGA, J. - YORDANOV, D. T. Evidence for Increased neutron and proton excitations between (51-63)mn. In PHYSICS LETTERS B. ISSN 0370-2693, 2015, vol. 750, pp. 176., WOS
2. [1.1] ZUBER, Kazimierz - SINGH, Balraj. Nuclear Data Sheets for A=61. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2015, vol. 125, pp. 1., WOS

ADCA543 RAITH, M. - STAŇO, Peter - BARUFFA, B. - FABIAN, J. Theory of spin relaxation in two-electron lateral coupled quantum dots. In Physical Review Letters, 2012, vol. 108, no. 24, 246602. (7.370 - IF2011). (2012 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Citácie:
1. [1.1] LI, Zhi-Xin. Spin Relaxation of an Impurity Polaron in a Parabolic Quantum Dot. In JOURNAL OF LOW TEMPERATURE PHYSICS. ISSN 0022-2291, 2015, vol. 178, no. 1-2, pp. 53., WOS
2. [1.1] NICHOL, John M. - HARVEY, Shannon P. - SHULMAN, Michael D. - PAL, Arijeet - UMANSKY, Vladimir - RASHBA, Emmanuel I. - HALPERIN, Bertrand I. - YACOBY, Amir. Quenching of dynamic nuclear polarization by spin-orbit coupling in GaAs quantum dots. In NATURE COMMUNICATIONS. ISSN 2041-1723, 2015, vol. 6, 7682., WOS

ADCA544 RAITH, M. - STAŇO, Peter - FABIAN, J. Theory of spin relaxation in two-electron laterally coupled Si/SiGe quantum dots. In Physical Review B, 2012, vol. 86, no. 20, 205321. (3.691 - IF2011). (2012 - Current Contents, WOS, SCOPUS). ISSN 1550-235X.

Citácie:
1. [1.1] DUQUE, C. A. - MORA-RAMOS, M. E. - CORREA, J. D. Donor-impurity-related second and third harmonic generation and optical absorption in GaAs-(Ga,Al)As 3D coupled quantum dot-rings under applied electric field. In SUPERLATTICES AND MICROSTRUCTURES. ISSN 0749-6036, 2015, vol. 87, no., pp. 25., WOS
2. [1.1] SRINIVASA, V. - TAYLOR, J. M. Capacitively coupled singlet-triplet qubits in the double charge resonant regime. In PHYSICAL REVIEW B. ISSN 2469-9950, 2015, vol. 92, no. 23, 235301., WOS

ADCA545 RAITH, M. - ERTLER, C. - STAŇO, Peter - WIMMER, M. - FABIAN, J. Electric control of tunneling energy in graphene double dots. In Physical Review B, 2014, vol. 89, no. 8, 085414. (3.664 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 1550-235X.

Citácie:
1. [1.1] DENG, Guang-Wei - WEI, Da - LI, Shu-Xiao - JOHANSSON, J. R. - KONG, Wei-Cheng - LI, Hai-Ou - CAO, Gang - XIAO, Ming - GUO, Guang-Can - NORI, Franco - JIANG, Hong-Wen - GUO, Guo-Ping. Coupling Two Distant Double Quantum Dots with a Microwave Resonator. In NANO LETTERS. ISSN 1530-6984, 2015, vol. 15, no. 10, pp. 6620., WOS

ADCA546 RANDRIANANTOANDRO, N. - CRISAN, A.D. - CRISAN, O. - MARCIN, Jozef - KOVÁČ, Jozef - HANKO, Ján - GRENECHE, J.M. - ŠVEC, Peter - CHROBAK, A. - ŠKORVÁNEK, Ivan. The influence of microstructure on magnetic properties of nanocrystalline Fe-Pt-Nb-B permanent magnet ribbons. In Journal of Applied Physics, 2010, vol. 108, no. 9, art. no. 093910. (2.072 - IF2009). (2010 - Current Contents, WOS, SCOPUS). ISSN 0021-8979.

Citácie:

1. [1.1] SOFRONIE, Mihaela Iuliana - TOLEA, Felicia - KUNCSER, Victor - VALEANU, Mihaela Cristina - FILOTI, George. Magneto-Structural Properties and Magnetic Behavior of Fe-Pd Ribbons. In IEEE TRANSACTIONS ON MAGNETICS. ISSN 0018-9464, 2015, vol. 51, no. 1, 2500404., WOS

ADCA547 RAUWEL, E. - RAUWEL, P. - DUCROQUET, F. - MAŤKO, Igor - LOURENCO, A.C. Metallic oxygen barrier diffusion applied to high-kappa deposition. In Journal of Vacuum Science and Technology B.Microelectronics and Nanometer Structures, 2011, vol. 29, no. 1, 01A701. (1.268 - IF2010). (2011 - Current Contents). ISSN 1071-1023.

Citácie:

1. [1.1] GOPE, Jhuma - VANDANA - BATRA, Neha - PANIGRAHI, Jagannath - SINGH, Rajbir - MAURYA, K. K. - SRIVASTAVA, Ritu - SINGH, P. K. Silicon surface passivation using thin HfO2 films by atomic layer deposition. In APPLIED SURFACE SCIENCE. ISSN 0169-4332, 2015, vol. 357, pp. 635-642., WOS

ADCA548 REITZNER, Daniel - HILLERY, M. - FELDMAN, E. - BUŽEK, Vladimír. Quantum searches on highly symmetric graphs. In Physical Review A, 2009, vol. 79, no. 1, 012323. (2.908 - IF2008). (2009 - Current Contents, WOS, SCOPUS). ISSN 1050-2947.

Citácie:

1. [1.1] CARSON, G. R. - LOKE, T. - WANG, J. B. Entanglement dynamics of two-particle quantum walks. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2015, vol. 14, no. 9, pp. 3193., WOS

2. [1.1] Chen Han-Wu, Li Ke, Zhao Sheng-Mei. Quantum walk search algorithm based on phase matching and circuit complementation. In ACTA PHYSICA SINICA, 2015, vol. 64, Iss. 24, 240301., WOS

3. [1.1] LIU YAN-MEI - CHEN HAN-WU - LIU ZHI-HAO - XUE XI-LING - ZHU WAN-NING. Scattering quantum walk search algorithm on star graph. In ACTA PHYSICA SINICA. ISSN 1000-3290, 2015, vol. 64, no. 1, 010301., WOS

4. [1.1] NOVO, Leonardo - CHAKRABORTY, Shantanav - MOHSENI, Masoud - NEVEN, Hartmut - OMAR, Yasser. Systematic Dimensionality Reduction for Quantum Walks: Optimal Spatial Search and Transport on Non-Regular Graphs. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2015, vol. 5, 13304., WOS

5. [1.1] POUTHIER, Vincent. Exciton-mediated quantum search on a star graph. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2015, vol. 14, no. 9, pp. 3139., WOS

ADCA549 RIBANSKÝ, Igor - OBLOŽINSKÝ, Pavol - BĚTÁK, Emil. Pre-equilibrium decay and the exciton model. In Nuclear Physics A, 1973, vol. 205, p. 545-560. ISSN 0375-9474.

Citácie:

1. [1.1] DEMIR, B. - KAPLAN, A. - CAPALI, V. - SARPUN, I. . H. - AYDIN, A. - TEL, E. Production cross-section calculations of medical P-32, Sn-117, Sm-153 and Re-186,Re-188 radionuclides used in bone pain palliation treatment. In KERNTECHNIK. ISSN 0932-3902, 2015, vol. 80, no. 1, pp. 58., WOS

2. [1.1] KARA, A. - KORKUT, T. - YIGIT, M. - TEL, E. Modelling study on production cross sections of In-111 radioisotopes used in nuclear medicine. In KERNTECHNIK. ISSN 0932-3902, 2015, vol. 80, no. 3, pp. 270., WOS

3. [1.1] KARA, Ayhan - YIGIT, Mustafa - KORKUT, Turgay - TEL, Eyyup. Cross Section Calculations of Neutron Induced Reactions on <SUP¬,126,128,134,136</SUP>Xe. In JOURNAL OF FUSION ENERGY. ISSN 0164-0313, 2015, vol. 34, no. 4, pp. 882., WOS

4. [1.1] NOBRE, G. P. A. - PALUMBO, A. - HERMAN, M. - BROWN, D. - HOBLIT, S. - DIETRICH, F. S. Derivation of an optical potential for statically deformed rare-earth nuclei from a global spherical potential. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 91, no. 2, 024618., WOS

5. [1.1] OZDOGAN, H. - CAPALI, V. - KAPLAN, A. Reaction Cross-Section, Stopping Power and Penetrating Distance Calculations for the Structural Fusion Material Fe-54 in Different Reactions. In JOURNAL OF FUSION ENERGY. ISSN 0164-0313, 2015, vol. 34, no. 2, pp. 379., WOS

6. [1.1] YETTOU, Leila - BELGAID, Mohamed. Calculation of pre-equilibrium effects in neutron-induced cross section on S-32'34 isotopes using the EMPIRE 3.2 code. In European Physical Journal Web of Conference, 2015, vol. 100, 01009., WOS

7. [1.1] YIGIT, Mustafa - TEL, Eyyup. Reaction cross sections in the interactions of neutrons with Yttrium nucleus. In JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY. ISSN 0236-5731, 2015, vol. 306, no. 1, pp. 203., WOS

8. [1.1] YIGIT, Mustafa - TEL, Eyyup. Study on (n,2n) and (n,p) reactions of strontium nucleus. In NUCLEAR ENGINEERING AND DESIGN. ISSN 0029-5493, 2015, vol. 293, pp. 97., WOS

ADCA550 ROTHE, S. - ANDREYEV, A.N. - ANTALIC, S. - BORSCHEVSKY, A. - CAPPONI, L. - COCOLIOS, T.E. - DE WITTE, H. - ELIAV, E. - FEDOROV, D.V. - FEDOSSEEV, V.N. - FINK, D.A. - FRITZSCHE, S. - GHYS, L. - HUYSE, M. - IMAI, N. - KALDOR, U. - KUDRYAVTSEV, Yu. - KOSTER, U. - LANE, J.F.W. - LASSEN, J. - LIBERATI, V. - LYNCH, K.M. - MARSH, B.A. - NISHIO, K. - PAUWELS, D. - PERSHINA, V. - POPESCU, L. - PROCTER, T.J. - RADULOV, D. - RAEDER, S. - RAJABALI, M.M. - RAPISARDA, E. - ROSSEL, R.E. - SANDHU, K. - SELIVERSTOV, M.D. - SJODIN, A.M. - VAN DEN BERGH, P. - VAN DUPPEN, P. - VENHART, Martin - WAKABAYASHI, Y. - WENDT, K.D.A. Measurement of the first ionization potential of astatine by laser ionization spectroscopy. In Nature Communications, 2013, vol. 4, 1835. (10.015 - IF2012). (2013 - Current Contents). ISSN 2041-1723.

Citácie:

1. [1.1] D&APOS;YACHKOV, A. B. - FIRSOV, V. A. - GORKUNOV, A. A. - LABOZIN, A. V. - MIRONOV, S. M. - PANCHENKO, V. Y. - SEMENOV, A. N. - SHATALOVA, G. G. - TSVETKOV, G. O. Photoionization spectroscopy for laser extraction of the radioactive isotope Lu-177. In APPLIED PHYSICS B-LASERS AND OPTICS. ISSN 0946-2171, 2015, vol. 121, no. 4, pp. 425., WOS

2. [1.1] DEMIDOV, Yuriy - ZAITSEYSKII, Andrei. A comparative study of molecular hydroxides of element 113 (I) and its possible analogs: Ab initio electronic structure calculations. In CHEMICAL PHYSICS LETTERS. ISSN 0009-2614, 2015, vol. 638, pp. 21., WOS

3. [1.1] MAURICE, Remi - REAL, Florent - GOMES, Andre Severo Pereira - VALLET, Valerie - MONTAVON, Gilles - GALLAND, Nicolas. Effective bond orders from two-step spin-orbit coupling approaches: The I-2, At-2, IO+, and AtO+ case studies. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2015, vol. 142, no. 9, 094305., WOS

ADCA551 RUNGTA, P. - BUŽEK, Vladimír - CAVES, C.M. - HILLERY, M. - MILBURN, G.J. Universal state inversion and concurrence in arbitrary dimensions. In Physical Review A, 2001, vol. 64, p. 042315. (2.684 - IF2000). ISSN 1050-2947.

Citácie:

1. [1.1] AKHTARSHENAS, S. Javad - MOHAMMADI, Hamidreza - KARIMI, Saman - AZMI, Zahra. Computable measure of quantum correlation. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2015, vol. 14, no.

1, pp. 247., WOS
2. [1.1] AOLITA, Leandro - DE MELO, Fernando - DAVIDOVICH, Luiz. Open-system dynamics of entanglement: a key issues review. In REPORTS ON PROGRESS IN PHYSICS. ISSN 0034-4885, 2015, vol. 78, no. 4, 042001., WOS
3. [1.1] APPLEBY, D. M. - FUCHS, Christopher A. - ZHU, Huangjun. GROUP THEORETIC, LIE ALGEBRAIC AND JORDAN ALGEBRAIC FORMULATIONS OF THE SIC EXISTENCE PROBLEM. In QUANTUM INFORMATION & COMPUTATION. ISSN 1533-7146, 2015, vol. 15, no. 1-2, pp. 61., WOS
4. [1.1] BAGHSHAHI, H. R. - TAVASSOLY, M. K. Dynamics of different entanglement measures of two three-level atoms interacting nonlinearly with a single-mode field. In EUROPEAN PHYSICAL JOURNAL PLUS. ISSN 2190-5444, 2015, vol. 130, no. 3, 37., WOS
5. [1.1] BAGHSHAHI, Hamid Reza - TAVASSOLY, Mohammad Kazem - FAGHIHI, Mohammad Javad. Entanglement Criteria of Two Two-Level Atoms Interacting with Two Coupled Modes. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2015, vol. 54, no. 8, pp. 2839., WOS
6. [1.1] DANESHMAND, R. N. - TAVASSOLY, M. K. Generation of SU(1,1) and SU(2) entangled states in a quantized cavity field by strong-driving-assisted classical field approach. In LASER PHYSICS. ISSN 1054-660X, 2015, vol. 25, no. 5, 055203., WOS
7. [1.1] DAOUD, M. - LAAMARA, R. Ahl - SEDDIK, S. A recursive approach for geometric quantifiers of quantum correlations in multiqubit Schrodinger cat states. In INTERNATIONAL JOURNAL OF MODERN PHYSICS B. ISSN 0217-9792, 2015, vol. 29, no. 19, 1550124., WOS
8. [1.1] DEY, Sanjib - HUSSIN, Veronique. Entangled squeezed states in noncommutative spaces with minimal length uncertainty relations. In PHYSICAL REVIEW D. ISSN 1550-7998, 2015, vol. 91, no. 12, 124017., WOS
9. [1.1] DIBAKAR, E. - KARIMI, A. - TAVASSOLY, M. K. Excitation and depletion of entangled squeezed states: their properties and generation. In PHYSICA SCRIPTA. ISSN 0031-8949, 2015, vol. 90, no. 8, 085102., WOS
10. [1.1] ELTSCHKA, Christopher - TOTH, Geza - SIEWERT, Jens. Partial transposition as a direct link between concurrence and negativity. In PHYSICAL REVIEW A. ISSN 2469-9926, 2015, vol. 91, no. 3, 032327., WOS
11. [1.1] FLAYAC, H. - MINKOV, M. - SAVONA, V. Remote macroscopic entanglement on a photonic crystal architecture. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 92, no. 4, 043812., WOS
12. [1.1] GAETA, Mario - KLIMOV, Andrei - LAWRENCE, Jay. Maximally entangled states of four nonbinary particles. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 91, no. 1, 012332., WOS
13. [1.1] JOZSA, Richard - MITCHISON, Graeme. Symmetric polynomials in information theory: Entropy and subentropy. In JOURNAL OF MATHEMATICAL PHYSICS. ISSN 0022-2488, 2015, vol. 56, no. 6, 062201., WOS
14. [1.1] KARIMI, A. - TAVASSOLY, M. K. Single-mode nonlinear excited entangled coherent states and their nonclassical properties. In PHYSICA SCRIPTA. ISSN 0031-8949, 2015, vol. 90, no. 1, 015101., WOS
15. [1.1] LONE, M. Q. - DEY, A. - YARLAGADDA, S. Study of two-spin entanglement in singlet states. In SOLID STATE COMMUNICATIONS. ISSN 0038-1098, 2015, vol. 202, pp. 73., WOS
16. [1.1] MAHDIAN, M. - KOUHESTANI, H. Thermal Quantum Correlations in Photosynthetic Light-Harvesting Complexes. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2015, vol. 54, no. 8, pp. 2576., WOS
17. [1.1] MARQUES, B. - MATOSO, A. A. - PIMENTA, W. M. -

GUTIERREZ-ESPARZA, A. J. - SANTOS, M. F. - PADUA, S. Experimental simulation of decoherence in photonics qudits. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2015, vol. 5, 16049., WOS
18. [1.1] MAZZA, Leonardo - ROSSINI, Davide - FAZIO, Rosario - ENDRES, Manuel. Detecting two-site spin-entanglement in many-body systems with local particle-number fluctuations. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2015, vol. 17, 013015., WOS
19. [1.1] OBADA, A.S. F. - HESSIAN, H. A. - MOHAMED, A.B. A. - HASHEM, M. Effects of a phase-damping cavity on entanglement and purity loss in two-qubit system. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2015, vol. 14, no. 6, pp. 2043., WOS
20. [1.1] ORSZAG, Miguel - CIOBANU, Nellu - COTO, Raul - EREMEEV, Vitalie. Quantum correlations in cavity QED networks. In JOURNAL OF MODERN OPTICS. ISSN 0950-0340, 2015, vol. 62, no. 8, pp. 593., WOS
21. [1.1] RAJA, Sina Hamedani - MOHAMMADI, Hamidreza - AKHTARSHENAS, Seyed Javad. Geometric discord of the Jaynes-Cummings model: pure dephasing regime. In EUROPEAN PHYSICAL JOURNAL D. ISSN 1434-6060, 2015, vol. 69, no. 1, 14., WOS
22. [1.1] SHUKLA, Chitra - BANERJEE, Anindita - PATHAK, Anirban. Protocols and quantum circuits for implementing entanglement concentration in cat state, GHZ-like state and nine families of 4-qubit entangled states. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2015, vol. 14, no. 6, pp. 2077., WOS
23. [1.1] TOTH, Geza - MORODER, Tobias - GUEHNE, Otfried. Evaluating Convex Roof Entanglement Measures. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 114, no. 16, 160501., WOS
24. [1.1] VALDES-HERNANDEZ, A. - MAJTEY, A. P. - PLASTINO, A. R. Dynamics of entanglement in systems of identical fermions undergoing decoherence. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 91, no. 3, 032313., WOS
25. [1.1] YUAN, Xiao - ZHOU, Hongyi - CAO, Zhu - MA, Xiongfeng. Intrinsic randomness as a measure of quantum coherence. In PHYSICAL REVIEW A. ISSN 2469-9926, 2015, vol. 92, no. 2, 022124., WOS
26. [1.1] ZHANG, Lin - PATI, Arun Kumar - WU, Junde. Interference visibility, entanglement, and quantum correlation. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 92, no. 2, 022316., WOS
27. [1.1] ZHAO, Chao - YANG, Guo-wu - HUNG, William N. N. - LI, Xiao-yu. A multipartite entanglement measure based on coefficient matrices. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2015, vol. 14, no. 8, pp. 2861., WOS
28. [1.1] ZHU, Xue-Na - FEI, Shao-Ming. Generalized monogamy relations of concurrence for N-qubit systems. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 92, no. 6, 062345., WOS

ADCA552 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. (1.875 - IF2011). (2012 - Current Contents, WOS, SCOPUS). ISSN 0953-4075.

Citácie:
1. [1.1] DIVE, Benjamin - MINTERT, Florian - BURGARTH, Daniel. Quantum simulations of dissipative dynamics: Time dependence instead of size. In PHYSICAL REVIEW A. ISSN 2469-9926, 2015, vol. 92, no. 3, 032111., WOS
2. [1.1] JIN, Jiasen - GIOVANNETTI, Vittorio - FAZIO, Rosario - SCIARRINO,

Fabio - MATALONI, Paolo - CRESPI, Andrea - OSELLAME, Roberto. All-optical non-Markovian stroboscopic quantum simulator. In PHYSICAL REVIEW A. ISSN 2469-9926, 2015, vol. 91, no. 1, 012122., WOS

3. [1.1] UZDIN, Raam - LEVY, Amikam - KOSLOFF, Ronnie. Equivalence of Quantum Heat Machines, and Quantum-Thermodynamic Signatures. In PHYSICAL REVIEW X. ISSN 2160-3308, 2015, vol. 5, no. 3, 031044., WOS

4. [1.2] GLASER, Steffen J. - BOSCAIN, Ugo - CALARCO, Tommaso - KOCH, Christiane P. - KÖCKENBERGER, Walter - KOSLOFF, Ronnie - KUPROV, Ilya - LUY, Burkhard - SCHIRMER, Sophie - SCHULTE-HERBRÜGGEN, Thomas - SUGNY, Dominique - WILHELM, Frank K. Training Schrödinger's cat: Quantum optimal control: Strategic report on current status, visions and goals for research in Europe. In European Physical Journal D. ISSN 14346060, 2015-12-01, vol. 69, 12, 279., SCOPUS

ADCA553 RYBÁR, Tomáš - ZIMAN, Mário. Process estimation in the presence of time-invariant memory effects. In Physical Review A, 2015, vol. 92, no. 4, 042315. (2.808 - IF2014). (2015 - Current Contents, WOS, SCOPUS). ISSN 1050-2947.

Citácie:

1. [1.1] BURGARTH, Daniel - GIOVANNETTI, Vittorio - KATO, Airi N. - YUASA, Kazuya. Quantum estimation via sequential measurements. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2015, vol. 17, 113055., WOS

ADCA554 SCARANI, V. - ZIMAN, Mário - ŠTELMACHOVIČ, Peter - GISIN, N. - BUŽEK, Vladimír. Thermalizing quantum machines: Dissipation and entanglement. In Physical Review Letters, 2002, vol. 88, no. 9, p. 097905. (6.668 - IF2001). (2002 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Citácie:

1. [1.1] BENENTI, Giuliano - STRINI, Giuliano. Dynamical Casimir effect and minimal temperature in quantum thermodynamics. In PHYSICAL REVIEW A. ISSN 2469-9926, 2015, vol. 91, no. 2, 020502., WOS

2. [1.1] EDWARD BRUSCHI, David - PERARNAU-LLOBET, Marti - FRIIS, Nicolai - HOVHANNISYAN, Karen V. - HUBER, Marcus. Thermodynamics of creating correlations: Limitations and optimal protocols. In PHYSICAL REVIEW E. ISSN 1539-3755, 2015, vol. 91, no. 3, 032118., WOS

3. [1.1] HUBER, Marcus - PERARNAU-LLOBET, Marti - HOVHANNISYAN, Karen V. - SKRZYPCZYK, Paul - KLOECKL, Claude - BRUNNER, Nicolas - ACIN, Antonio. Thermodynamic cost of creating correlations. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2015, vol. 17, 065008., WOS

4. [1.1] JIN, Jiasen - GIOVANNETTI, Vittorio - FAZIO, Rosario - SCIARRINO, Fabio - MATALONI, Paolo - CRESPI, Andrea - OSELLAME, Roberto. All-optical non-Markovian stroboscopic quantum simulator. In PHYSICAL REVIEW A. ISSN 2469-9926, 2015, vol. 91, no. 1, 012122., WOS

5. [1.1] LORENZO, S. - MCCLOSKEY, R. - CICCARELLO, F. - PATERNOSTRO, M. - PALMA, G. M. Landauer's Principle in Multipartite Open Quantum System Dynamics. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 115, no. 12, 120403., WOS

6. [1.1] VALIDO, Antonio A. - RUIZ, Antonia - ALONSO, Daniel. Quantum correlations and energy currents across three dissipative oscillators. In PHYSICAL REVIEW E. ISSN 1539-3755, 2015, vol. 91, no. 6, 062123., WOS

ADCA555 SCARLINO, P. - KAWAKAMI, E. - STAŇO, 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. (7.728 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Citácie:

1. [1.1] BIESINGER, D. E. F. - SCHELLER, C. P. - BRAUNECKER, B. - ZIMMERMAN, J. - GOSSARD, A. C. - ZUMBUEHL, D. M. Intrinsic Metastabilities in the Charge Configuration of a Double Quantum Dot. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 115, no. 10, 106804., WOS

2. [1.1] NICHOL, John M. - HARVEY, Shannon P. - SHULMAN, Michael D. - PAL, Arijeet - UMANSKY, Vladimir - RASHBA, Emmanuel I. - HALPERIN, Bertrand I. - YACOBY, Amir. Quenching of dynamic nuclear polarization by spin-orbit coupling in GaAs quantum dots. In NATURE COMMUNICATIONS. ISSN 2041-1723, 2015, vol. 6, 7682., WOS

3. [1.1] SEGARRA, C. - PLANELLES, J. - CLIMENTE, J. I. - RAJADELL, F. Anisotropy of spin-orbit induced electron spin relaxation in [001] and [111] grown GaAs quantum dots. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2015, vol. 17, 033014., WOS

ADCA556 SEDLÁK, Michal - ZIMAN, Mário - PRIBYLA, O. - BUŽEK, Vladimír - HILLERY, M. Unambiguous identification of coherent states: Searching a quantum database. In Physical Review A, 2007, vol. 76, no. 2, 022326. (3.047 - IF2006). (2007 - Current Contents, WOS, SCOPUS). ISSN 1050-2947.

Citácie:

1. [1.1] DONALDSON, Ross J. - COLLINS, Robert J. - ELEFTHERIADOU, Electra - BARNETT, Stephen M. - JEFFERS, John - BULLER, Gerald S. Experimental Implementation of a Quantum Optical State Comparison Amplifier. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 114, no. 12, 120505., WOS

ADCA557 SEDLÁK, Michal - ZIMAN, Mário. Optimal single-shot strategies for discrimination of quantum measurements. In Physical Review A, 2014, vol. 90, 052312. (2.991 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 1050-2947.

Citácie:

1. [1.1] CAO, Tian-Qing - GAO, Fei - ZHANG, Zhi-Chao - YANG, Ying-Hui - WEN, Qiao-Yan. Perfect discrimination of projective measurements with the rank of all projectors being one. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2015, vol. 14, no. 7, pp. 2645., WOS

ADCA558 SELIVERSTOV, M.D. - COCOLIOS, T.E. - DEXTERS, W. - ANDREYEV, A.N. - ANTALIC, S. - BARZAKH, A.E. - BASTIN, B. - BUSCHER, J. - DARBY, I.G. - FEDOROV, D.V. - FEDOSEYEV, V.N. - FLANAGAN, K.T. - FRANCHOO, S. - FRITZSCHE, S. - HUBER, G. - HUYSE, M. - KEUPERS, M. - KOSTER, U. - KUDRYAVTSEV, Yu. - MARSH, B.A. - MOLKANOV, P.L. - PAGE, R.D. - SJODIN, A.M. - STEFAN, I. - VAN DE WALLE, J. - VAN DUPPEN, P. - VENHART, Martin - ZEMLYANOY, S.G. Charge radii of odd-A Po191-211 isotopes. In Physics Letters B, 2013, vol. 719, no. 4-5, p. 362-366. (4.569 - IF2012). (2013 - Current Contents, WOS, SCOPUS). ISSN 0370-2693.

Citácie:

1. [1.1] CHEN, J. - KONDEV, F. G. Nuclear Data Sheets for A=209. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2015, vol. 126, pp. 373., WOS

2. [1.1] GARCIA-RAMOS, J. E. - HEYDE, K. Nuclear shape coexistence in Po isotopes: An interacting boson model study. In PHYSICAL REVIEW C. ISSN 2469-9985, 2015, vol. 92, no. 3, 034309., WOS

ADCA559 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 193-203,211 Po isotopes. In Physical Review C, 2014, vol. 89, 034323. (3.881 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 2469-9985.

Citácie:

1. [1.1] GARCIA-RAMOS, J. E. - HEYDE, K. Nuclear shape coexistence in Po isotopes: An interacting boson model study. In PHYSICAL REVIEW C. ISSN 2469-9985, 2015, vol. 92, no. 3, 034309., WOS

ADCA560 SHALYGUINA, E.E. - ŠKORVÁNEK, Ivan - ŠVEC, Peter - MEĽNIKOV, V.A. - ABROSIMOVA, N.M. Inverted Near-Surface Hysteresis Loops in Heterogenous (Nanocrystalline/Amorphous) Fe81Nb7B12 Alloys. In Journal of Experimental and Theoretical Physics, 2004, vol. 99, no. 3, p. 544-551. (1.156 - IF2003). (2004 - Current Contents, WOS, SCOPUS). ISSN 1063-7761.

Citácie:

1. [1.1] BELOSHENKO, V.A. Modifying the structure and properties of Cu-Fe composites. In PHYSICS OF METALS AND METALLOGRAPHY, 2015, vol. 116, p. 456-466., WOS

ADCA561 SHALYGUINA, E.E. - ŠKORVÁNEK, Ivan - ŠVEC, Peter - MOLOKANOV, V.V. - MEĽNIKOV, V.A. Inverted surface hysteresis loops in heterogenous (Nanocrystalline/amorphous) Fe81Nb7B12 alloys. In Technical Physics Letters, 2004, vol. 30, no. 7, p. 591-594. ISSN 1063-7850.

Citácie:

1. [1.1] DIMIAN, M. - ANDREI, P. - MEHTA, M. - IDUBOR, O. A. Thermal relaxation in magnetic multi-layer materials with mixed hysteretic behavior. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2015, vol. 117, no. 17, 17A745., WOS

ADCA562 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. - PLOSZJCZAK, M. - VANPOL, J.H.G. - QUEBERT, J. - ROUSSELCHOMAZ, P. - SCHUBERT, A. - SIEMSSEN, 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] WEI, Gao-Feng. Probing the neutron-skin thickness by photon production from reactions induced by intermediate-energy protons. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 92, no. 1, 014614., WOS

ADCA563 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. (2.726 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 0925-8388.

Citácie:

1. [1.1] BUTVINOVA, B. - BUTVIN, P. - KUZMINSKI, M. - SLAWSKA-WANIEWSKA, A. - MAT&APOS;KO, I. - SVEC, P. - SVEC, P. - KADLECIKOVA, M. - HUBENAK, M. - JANICKOVIC, D. Effects of grain growth blocking in annealed metalloid-poor Fe-M-Cu-B-Si ribbons (M = Nb, Mo, V). In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2015, vol. 648, pp. 527., WOS

ADCA564 SILVEYRA, J.M. - CREMASCHI, V.J. - JANIČKOVIČ, Dušan - ŠVEC, Peter -

ARCONDO, B. Structural and magnetic study of Mo-doped FINEMET. In Journal of Magnetism and Magnetic Materials, 2011, vol. 323, no. 3-4, p. 290-296. (1.690 - IF2010). (2011 - Current Contents, WOS, SCOPUS). ISSN 0304-8853.

Citácie:

1. [1.1] GHEIRATMAND, T. - HOSSEINI, H. R. Madaah - DAVAMI, P. - GJOKA, M. - SONG, M. The effect of mechanical milling on the soft magnetic properties of amorphous FINEMET alloy. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2015, vol. 381, pp. 322-327., WOS

ADCA565 SIMON, C. - BUŽEK, Vladimír - GISIN, N. No-signaling condition and quantum dynamics. In Physical Review Letters, 2001, vol. 87, no. 17, 170405. (6.462 - IF2000). (2001 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Citácie:

1. [1.1] BAE, Joonwoo - KWEK, Leong-Chuan. Quantum state discrimination and its applications. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2015, vol. 48, no. 8, 083001., WOS

2. [1.1] HO, Chiu Man - HSU, Stephen D. H. Locality and nonlinear quantum mechanics. In INTERNATIONAL JOURNAL OF MODERN PHYSICS A. ISSN 0217-751X, 2015, vol. 30, no. 4-5, 1550029., WOS

3. [1.1] JAASKELAINEN, Markku. The Wave Function as Matter Density: Ontological Assumptions and Experimental Consequences. In FOUNDATIONS OF PHYSICS. ISSN 0015-9018, 2015, vol. 45, no. 6, pp. 591., WOS

4. [1.1] MENDEZ, J. M. - URIAS, Jesus. On the no-signaling approach to quantum nonlocality. In JOURNAL OF MATHEMATICAL PHYSICS. ISSN 0022-2488, 2015, vol. 56, no. 3, 032101., WOS

5. [1.1] SEKATSKI, P. - SKOTINIOTIS, M. - DUER, W. No-signaling bounds for quantum cloning and metrology. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 92, no. 2, 022355pp., WOS

ADCA566 SIMON, P. - ILLEKOVÁ, Emília - MOJUMDAR, S.C. Kinetics of crystallization of metallic glasses studied by non-isothermal and isothermal DSC. In Journal of Thermal Analysis and Calorimetry, 2006, vol. 83, no. 1, p. 67-69. (2006 - Current Contents). ISSN 1388-6150.

Citácie:

1. [1.1] LU, Guibin - ZHANG, Caixing - CHEN, Liping - CHEN, Wanghua - YANG, Ting - ZHOU, Yishan. Kinetic analysis and self-accelerating decomposition temperature (SADT) of beta-nitroso-alpha-naphthol. In PROCESS SAFETY AND ENVIRONMENTAL PROTECTION. ISSN 0957-5820, 2015, vol. 95, pp. 69., WOS

2. [1.1] MALDONADO, Yadira G. - DE LA BARRAZA P, Claudia - RODRIGUEZ A, Sergio - HUMBERTO CASTILLEJOS E, A. - THOMAS, Brian G. Estimation of Time-Temperature-Transformation Diagrams of Mold Powder Slags from Thermo-analysis of Non-isothermal Crystallization. In METALLURGICAL AND MATERIALS TRANSACTIONS B-PROCESS METALLURGY AND MATERIALS PROCESSING SCIENCE. ISSN 1073-5615, 2015, vol. 46, no. 1, pp. 286., WOS

3. [1.2] ŠESTÁK, Jaroslav. The quandary aspects of non-isothermal kinetics beyond the ICTAC kinetic committee recommendations. In Thermochimica Acta. ISSN 00406031, 2015-05-26, 611, pp. 26-35., SCOPUS

ADCA567 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. (6.160 - IF2013). (2014 - Current Contents). ISSN 0008-6223.

Citácie:

1. [1.1] KUMAR, R. - KAUR, A. Charge transport mechanism of hydrazine

hydrate reduced graphene oxide. In IET CIRCUITS DEVICES & SYSTEMS. NOV 2015, vol. 9, no. 6, SI, p. 392-396., WOS

ADCA568 SKORVANEK, I. - KOVAC, J. - MARCIN, J. - DUHAJ, Pavol - GERLING, R. Annealing effects on the magnetic properties of nanocrystalline FeNbB alloys. In Journal of Magnetism and Magnetic Materials, 1999, vol. 203, p. 226-228. ISSN 0374-4884.

Citácie:

1. [1.1] SUN, Y. M. - YU, W. Q. - LONG, D. - ZHANG, Y. - HUA, Z. Crystallization process and magnetic property of Fe81Zr3Nb6B10 alloy. In MODERN PHYSICS LETTERS B. ISSN 0217-9849, 2015, vol. 29, no. 31, 1550196., WOS

ADCA569 SLEVIN, Keith - MARKOŠ, Peter - OHTSUKI, Tomi. Reconciling Conductance Fluctuations and the Scaling Theory of Localization. In Physical Review Letters, 2001, vol. 86, no. 16, p. 3594-3597. (6.462 - IF2000). (2001 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Citácie:

1. [1.1] CHEN, Chui-Zhen - LIU, Haiwen - JIANG, Hua - SUN, Qing-feng - WANG, Ziqiang - XIE, X. C. Tunable Anderson metal-insulator transition in quantum spin-Hall insulators. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 91, no. 21, 214202., WOS

2. [1.1] SHI, Zhou - DAVY, Matthieu - GENACK, Azriel Z. Statistics and control of waves in disordered media. In OPTICS EXPRESS. ISSN 1094-4087, 2015, vol. 23, no. 9, pp. 12293., WOS

ADCA570 SMITH, D.R. - SCHULTZ, S. - MARKOŠ, Peter - SOUKOULIS, C.M. Determination of effective permittivity and permeability of metamaterials from reflection and transmission coefficients. In Physical Review B, 2002, vol. 65, no. 19, 195104. (3.070 - IF2001). (2002 - Current Contents, WOS, SCOPUS). ISSN 1550-235X.

Citácie:

1. [1.1] ABU SAFIA, Ousama - YAGOUB, Mustapha C. E. Accurate Capacitance and Inductance Calculations for Koch Fractal SRRs. In 2015 IEEE MTT-S INTERNATIONAL CONFERENCE ON NUMERICAL ELECTROMAGNETIC AND MULTIPHYSICS MODELING AND OPTIMIZATION (NEMO), 2015 ., WOS

2. [1.1] AHSAN, Md Rezwanul - ISLAM, Mohammad Tariqul - ULLAH, Mohammad Habib - SINGH, Mandeep Jit - ALI, Mohd Tarmizi. Metasurface Reflector (MSR) Loading for High Performance Small Microstrip Antenna Design. In PLOS ONE. ISSN 1932-6203, 2015, vol. 10, no. 5, e127185., WOS

3. [1.1] ALAVIKIA, Babak - KABIRI, Ali - RAMAHI, Omar M. Poynting theorem constraints on the signs of the imaginary parts of the electromagnetic constitutive parameters. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA A-OPTICS IMAGE SCIENCE AND VISION. ISSN 1084-7529, 2015, vol. 32, no. 4, pp. 522., WOS

4. [1.1] ANDRYIEUSKI, A. - KUZNETSOVA, S. M. - LAVRINENKO, A. V. Applicability of point-dipoles approximation to all-dielectric metamaterials. In PHYSICAL REVIEW B. ISSN 2469-9950, 2015, vol. 92, no. 3, 035114., WOS

5. [1.1] ANWAR, Shahzad - LI, Sucheng - LI, Shuo - DUAN, Qian - LU, Weixin - HOU, Bo. Topology-induced, strongly diamagnetic response of hollow structured metals at broadband microwave frequencies. In APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING. ISSN 0947-8396, 2015, vol. 121, no. 3, pp. 1061., WOS

6. [1.1] APOLLONI, F. - OLIVERI, G. - VIANI, F. - MASSA, A. A

System-by-Design Approach for the Synthesis of Metamaterial Printed WAIMs. In 2015 IEEE INTERNATIONAL SYMPOSIUM ON ANTENNAS AND PROPAGATION & USNC/URSI NATIONAL RADIO SCIENCE MEETING. ISSN 1522-3965, 2015, vol., no., pp. 1032., WOS
7. [1.1] Al FAROOQUI, Md. Abdullah et al. Quantum entanglement distillation. In OPTICS EXPRESS, 2015, vol. 23, p. 17941., WOS
8. [1.1] BAEV, Alexander - PRASAD, Paras N. - AGREN, Hans - SAMOC, Marek - WEGENER, Martin. Metaphotonics: An emerging field with opportunities and challenges. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, 2015, vol. 594, no., pp. 1., WOS
9. [1.1] BAI, Yang - JIANG, Yongyuan - LIU, Linhua. Multi-band near-field radiative heat transfer between two anisotropic fishnet metamaterials. In JOURNAL OF QUANTITATIVE SPECTROSCOPY & RADIATIVE TRANSFER. ISSN 0022-4073, 2015, vol. 158, no., pp. 36., WOS
10. [1.1] BAO DI - SHEN XIAO-PENG - CUI TIE-JUN. Progress of terahertz metamaterials. In ACTA PHYSICA SINICA. ISSN 1000-3290, 2015, vol. 64, no. 22 ., WOS
11. [1.1] BARZEGAR-PARIZI, Saeedeh - REJAEI, Behzad. An Exact Method for the Extraction of Effective Bulk and Surface Parameters of Periodic Artificial Media. In IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION. ISSN 0018-926X, 2015, vol. 63, no. 6, pp. 2521., WOS
12. [1.1] BEILINA, Larisa - CRISTOFOL, Michel - NIINIMAKI, Kati. OPTIMIZATION APPROACH FOR THE SIMULTANEOUS RECONSTRUCTION OF THE DIELECTRIC PERMITTIVITY AND MAGNETIC PERMEABILITY FUNCTIONS FROM LIMITED OBSERVATIONS. In INVERSE PROBLEMS AND IMAGING. ISSN 1930-8337, 2015, vol. 9, no. 1, pp. 1., WOS
13. [1.1] BELOKOPYTOV, G.V. et al. The effect of statistical variance. In PHYSICS OF WAVE PHENOMENA, 2015, vol. 23, p. 39-45., WOS
14. [1.1] BENSON, M. R. - KNISELY, A. G. - MARCINIAK, M. A. - SEAL, M. D. - URBAS, A. M. Permittivity and Permeability Tensor Extraction Technique for Arbitrary Anisotropic Materials. In IEEE PHOTONICS JOURNAL. ISSN 1943-0655, 2015, vol. 7, no. 3, 2600613., WOS
15. [1.1] BI, K. - HUANG, K. - ZENG, L. Y. - ZHOU, M. H. - WANG, Q. M. - WANG, Y. G. - LEI, M. Tunable Dielectric Properties of Ferrite-Dielectric Based Metamaterial. In PLOS ONE. ISSN 1932-6203, 2015, vol. 10, no. 5, e0127331., WOS
16. [1.1] BI, Ke - ZENG, Lingyu - CHEN, Hao - FANG, Chang - WANG, Qingmin - LEI, Ming. Magnetic coupling effect of Mie resonance-based metamaterial with inclusion of split ring resonators. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2015, vol. 646, no., pp. 680., WOS
17. [1.1] BI, Ke et al. Magnetic coupling effect. In JOURNAL OF ALLOYS AND COMPOUNDS, 2015, vol. 646, p. 680., WOS
18. [1.1] BURGNIES, L. - COCHRANE, C. - RAULT, F. - SADAUNE, V. - LHEURETTE, E. - KONCAR, V. - LIPPENS, D. Experimental phase-advance in woven textile metasurface. In APPLIED PHYSICS LETTERS. ISSN 0003-6951, 2015, vol. 107, no. 20, 203505., WOS
19. [1.1] BURGNIES, L. - LHEURETTE, E. - LIPPENS, D. Textile inspired flexible metamaterial with negative refractive index. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2015, vol. 117, no. 14, 144506., WOS
20. [1.1] CAO, Tun - WEI, Chenwei - CRYAN, Martin J. Low-loss dual-band double-negative chirped metamaterial. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS. ISSN 0740-3224, 2015, vol. 32,

no. 1, pp. 108., WOS
21. [1.1] CAO, Tun - WEI, Chenwei - MAO, Libang. Ultrafast tunable chirped phase-change metamaterial with a low power. In OPTICS EXPRESS. ISSN 1094-4087, 2015, vol. 23, no. 4, pp. 4092., WOS
22. [1.1] CHEN, L. et al. Meander-line. In PROGRESS IN ELECTROMAGNETICS RESEARCH-PIER, 2015, vol. 151, p. 55., WOS
23. [1.1] CHREMMOS, Ioannis - KALLOS, Efthymios - GIAMALAKI, Melpomeni - YANNOPAPAS, Vassilios - PASPALAKIS, Emmanuel. Effective medium theory for two-dimensional non-magnetic metamaterial lattices up to quadrupole expansions. In JOURNAL OF OPTICS. ISSN 2040-8978, 2015, vol. 17, no. 7, 075102., WOS
24. [1.1] CIATTONI, A. Nonlocal homogenization theory. In PHYSICAL REVIEW B, 2015, vol. 91, 184207., WOS
25. [1.1] COHEN, Doron - SHAVIT, Reuven. Bi-anisotropic Metamaterials Effective Constitutive Parameters Extraction Using Oblique Incidence S-Parameters Method. In IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION. ISSN 0018-926X, 2015, vol. 63, no. 5, pp. 2071., WOS
26. [1.1] DALAL, Reena - KALRA, Yogita - SINHA, R. K. Mie resonance in the arrays of dielectric rods in air. In METAMATERIALS, METADEVICES, AND METASYSTEMS 2015. ISSN 0277-786X, 2015, vol. 9544, 95442X., WOS
27. [1.1] DINCER, Furkan - KARAASLAN, Muharrem - AKGOL, Oguzhan - UNAL, Emin - SABAH, Cumali. Dynamic and tunable chiral metamaterials with wideband constant chirality over a certain frequency band. In OPTIK. ISSN 0030-4026, 2015, vol. 126, no. 24, pp. 4808., WOS
28. [1.1] FAN, Yuancheng - SHEN, Nian-Hai - KOSCHNY, Thomas - SOUKOULIS, Costas M. Tunable Terahertz Meta-Surface with Graphene Cut-Wires. In ACS PHOTONICS. ISSN 2330-4022, 2015, vol. 2, no. 1, pp. 151., WOS
29. [1.1] FENG, Jia-Qi - HU, Wei-Dong - ZHANG, Qing-Le - ZONG, Hua - HUANG, Hui - JIN, Yu-Ting - WU, Yu-Ming - XU, Zhan - LV, Xin - SI, Li-Ming. Polarization-Independent and Angle-Insensitive Metamaterial Absorber Using 90-Degree-Rotated Split-Ring Resonators. In INTERNATIONAL JOURNAL OF ANTENNAS AND PROPAGATION. ISSN 1687-5869, 2015, 240691., WOS
30. [1.1] GARNER, Allen L. - PARKER, Gregory J. - SIMONE, Davide L. Accounting for Conducting Inclusion Permeability in the Microwave Regime in a Modified Generalized Effective Medium Theory. In IEEE TRANSACTIONS ON DIELECTRICS AND ELECTRICAL INSULATION. ISSN 1070-9878, 2015, vol. 22, no. 4, pp. 2064., WOS
31. [1.1] HANIF, M. - POKHAREL, R. K. - YOSHITOMI, K. - BARAKAT, Adel - ELSADEK, Hala. A Gain Enhanced 60 GHz CMOS Antenna-on-Chip Using Off-Chip Mu Near Zero Metamaterial Lens. In 2015 IEEE 4th Asia-Pacific Conference on Antennas and Propagation (APCAP), 2015, pp. 355., WOS
32. [1.1] HASAR, U. C. - BARROSO, J. J. - KARACALI, T. - ERTUGRUL, M. Reference-plane-invariant and thickness- and branch-index-independent retrieval of effective parameters of bi-anisotropic metamaterials. In AIP ADVANCES. ISSN 2158-3226, 2015, vol. 5, no. 1, 017123., WOS
33. [1.1] HASAR, U. C. - BUTE, M. - MURATOGLU, A. - BARROSO, J. J. - KARACALI, T. - ERTUGRUL, M. Constitutive Parameters Determination of Bi-anisotropic Metamaterials using a Waveguide Method. In 2015 SBMO/IEEE MTT-S INTERNATIONAL MICROWAVE AND OPTOELECTRONICS CONFERENCE (IMOC), 2015 ., WOS
34. [1.1] HASAR, Ugur C. - BARROSO, Joaquim J. - KARACALI, Tevhit -

ERTUGRUL, Mehmet. Semi-Infinite Reflection Coefficients of Bi-Anisotropic Metamaterial Slabs Including Boundary Effects. In IEEE MICROWAVE AND WIRELESS COMPONENTS LETTERS. ISSN 1531-1309, 2015, vol. 25, no. 5, pp. 283., WOS

35. [1.1] HASAR, Ugur Cem - BARROSO, Joaquim Jose - BULDU, Gul - BUTE, Musa - KAYA, Yunus - KARACALI, Tevhit - ERTUGRUL, Mehmet. Reference-Plane-Invariant Effective Thickness and Electromagnetic Property Determination of Isotropic Metamaterials Involving Boundary Effects. In IEEE JOURNAL OF SELECTED TOPICS IN QUANTUM ELECTRONICS. ISSN 1077-260X, 2015, vol. 21, no. 4, 4700211., WOS

36. [1.1] HE, Yingran - DING, Ning - ZHANG, Lingfei - ZHANG, Wenjing - DU, Biao. Short-Length and High-Aperture-Efficiency Horn Antenna Using Low-Loss Bulk Anisotropic Metamaterial. In IEEE ANTENNAS AND WIRELESS PROPAGATION LETTERS. ISSN 1536-1225, 2015, vol. 14, no., pp. 1642., WOS

37. [1.1] HE, Zhengrui - GENG, Youlin. A Wideband Low-loss and Small Size Left-handed Metamaterial. In 2015 IEEE 16TH INTERNATIONAL CONFERENCE ON COMMUNICATION TECHNOLOGY (ICCT), 2015, vol., no., pp. 667., WOS

38. [1.1] HOPKINS, Ben - FILONOV, Dmitry S. - MIROSHNICHENKO, Andrey E. - MONTICONE, Francesco - ALU, Andrea - KIVSHAR, Yuri S. Interplay of Magnetic Responses in All-Dielectric Oligomers To Realize Magnetic Fano Resonances. In ACS PHOTONICS. ISSN 2330-4022, 2015, vol. 2, no. 6, pp. 724., WOS

39. [1.1] HOU, Qing - YAN, Ke-lan - FAN, Run-hua - ZHANG, Zi-dong - CHEN, Min - SUN, Kai - CHENG, Chuan-bing. Experimental realization of tunable negative permittivity in percolative Fe78Si9B13/epoxy composites. In RSC ADVANCES. ISSN 2046-2069, 2015, vol. 5, no. 13, pp. 9472., WOS

40. [1.1] ISLAM, S.S. et al. A new direct retrieval method. In CURRENT SCIENCE, 2015, vol. 109, p. 337., WOS

41. [1.1] JIANG, K. Circular-polarization-dependent mode. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B, 2015, vol. 32, p. 2088., WOS

42. [1.1] KISHOR, Kamal - BAITHA, Monu Nath - SINHA, R. K. Design and simulation of "I" shaped split ring resonator metamaterial at optical communication window around 1.55 mu m. In OPTIK. ISSN 0030-4026, 2015, vol. 126, no. 23, pp. 4708., WOS

43. [1.1] KIVIJARVI, V. - NYMAN, M. - KARRILA, A. - GRAHN, P. - SHEVCHENKO, A. - KAIVOLA, M. Interaction of metamaterials with optical beams. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2015, vol. 17, 063019., WOS

44. [1.1] LABATE, G. - MATEKOVITS, L. - OREFICE, M. Inverse Scattering Homogenization Method for Conformal Metamaterial Structures. In 2015 IEEE INTERNATIONAL SYMPOSIUM ON ANTENNAS AND PROPAGATION & USNC/URSI NATIONAL RADIO SCIENCE MEETING. ISSN 1522-3965, 2015, vol., no., pp. 63., WOS

45. [1.1] LEE, Hyung Jin - LEE, Joo Kyung - KIM, Yoon Young. Elastic metamaterial-based impedance-varying phononic bandgap structures for bandpass filters. In JOURNAL OF SOUND AND VIBRATION. ISSN 0022-460X, 2015, vol. 353, no., pp. 58., WOS

46. [1.1] LEPETIT, T. et al. Cramer-Rao bounds. In PROCEEDINGS OF SPIE, 2015, vol. 9544, 954427., WOS

47. [1.1] LEPETIT, T.- KANTE, B. Cramer-Rao bounds for determination of electric and magnetic susceptibilities in metasurfaces. In OPTICS EXPRESS,

2015, vol. 23, p. 3460., WOS
48. [1.1] LI, W. et al. Polarization-insensitive wide-angle multiband metamaterials. In AIP ADVANCES, 2015, vol. 5, 067151., WOS
49. [1.1] LIASKOS, Christos - TSIOLIARIDOU, Ageliki - PITSILLIDES, Andreas - AKYILDIZ, Ian F. - KANTARTZIS, Nikolaos V. - LALAS, Antonios X. - DIMITROPOULOS, Xenofontas - IOANNIDIS, Sotiris - KAFESAKI, Maria - SOUKOULIS, C. M. Design and Development of Software Defined Metamaterials for Nanonetworks. In IEEE CIRCUITS AND SYSTEMS MAGAZINE. ISSN 1531-636X, 2015, vol. 15, no. 4, pp. 12., WOS
50. [1.1] LIU, Chuanbao - BAI, Yang - ZHOU, Ji - ZHAO, Qian - YAN, Yu - LI, Jinxu - SU, Yanjing - QIAO, Lijie. Equivalent energy-level structures in stacked metamaterials. In JOURNAL OF MATERIALS CHEMISTRY C. ISSN 2050-7526, 2015, vol. 3, no. 45, pp. 11827., WOS
51. [1.1] LU, Cui - MEI, Zhong Lei. Multi-functional lens based on conformal mapping. In OPTICS EXPRESS. ISSN 1094-4087, 2015, vol. 23, no. 15, pp. 19901., WOS
52. [1.1] LUDWIG, Alon. Magnetism from carbon nanocoil mixtures. In JOURNAL OF APPLIED PHYSICS, 2015, vol. 118, 153104., WOS
53. [1.1] MIN, Li - HUANG, Lirong. Perspective on resonances of metamaterials. In OPTICS EXPRESS. ISSN 1094-4087, 2015, vol. 23, no. 15, pp. 19022., WOS
54. [1.1] NAOUI, Seif - LATRACH, Lassaad - GHARSALLAH, Ali. RFID Antenna by Using Metamaterials With Negative Effective Permeability. In 2015 2ND WORLD SYMPOSIUM ON WEB APPLICATIONS AND NETWORKING (WSWAN), 2015 ., WOS
55. [1.1] NEJATI, A. The effect of photonic crystal. In OPTIK, 2015, vol. 126, p. 2153., WOS
56. [1.1] PAPADAKIS, Georgia T. - YEH, Pochi - ATWATER, Harry A. Retrieval of material parameters for uniaxial metamaterials. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 91, no. 15, 155406., WOS
57. [1.1] RAJASEKHAR, N. V. - SRIRAMKUMAR, D. A Triple band Compact Asymmetric Monopole-SRR based Antenna for Wi-Max, WLAN and RFID Applications. In 2015 INTERNATIONAL CONFERENCE ON MICROWAVE, OPTICAL AND COMMUNICATION ENGINEERING (ICMOCE), 2015, vol., no., pp. 96., WOS
58. [1.1] RAJESHKUMAR, V. - RAGHAVAN, S. A Compact asymmetric monopole antenna with electrically coupled SRR for WiMAX/WLAN/UWB applications. In MICROWAVE AND OPTICAL TECHNOLOGY LETTERS. ISSN 0895-2477, 2015, vol. 57, no. 9, pp. 2194., WOS
59. [1.1] RAJESHKUMAR, V. - RAGHAVAN, S. BANDWIDTH ENHANCED COMPACT FRACTAL ANTENNA FOR UWB APPLICATIONS WITH 5-6 GHZ BAND REJECTION. In MICROWAVE AND OPTICAL TECHNOLOGY LETTERS. ISSN 0895-2477, 2015, vol. 57, no. 3, pp. 607., WOS
60. [1.1] RAJESHKUMAR, V. A compact asymmetric monopole antenna. In MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, 2015, vol. 57, p. 2194., WOS
61. [1.1] ROSALINE, S. A compact dual band antenna. In MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, 2015, vol. 57, p. 741., WOS
62. [1.1] ROSALINE, S. Imaculate - RAGHAVAN, Singaravelu. CSRR-BASED COMPACT PENTA BAND PRINTED ANTENNA FOR GPS/GSM/WLAN/WiMAX APPLICATIONS. In MICROWAVE AND OPTICAL TECHNOLOGY LETTERS. ISSN 0895-2477, 2015, vol. 57, no. 7, pp. 1538., WOS
63. [1.1] SABET, R. A. - KHOSHSIMA, H. Utilizing the plasmonic resonance to

enhance three wave mixing effects in nano-scale cut-wire. In OPTICAL AND QUANTUM ELECTRONICS. ISSN 0306-8919, 2015, vol. 47, no. 10, pp. 3337., WOS

64. [1.1] SAVIN, Adriana - STEIGMANN, Rozina - BRUMA, Alina - STURM, Roman. An Electromagnetic Sensor with a Metamaterial Lens for Nondestructive Evaluation of Composite Materials. In SENSORS. ISSN 1424-8220, 2015, vol. 15, no. 7, pp. 15903., WOS

65. [1.1] SHIRMANESH, Ghazaleh Kafaie - KHAVASI, Amin - MEHRANY, Khashayar. Accurate effective medium theory for arrays of metallic nanowires. In JOURNAL OF OPTICS. ISSN 2040-8978, 2015, vol. 17, no. 2, 025104., WOS

66. [1.1] SINDLER, M. - KADLEC, C. - NEMEC, H. - DOMINEC, F. - KUZEL, P. - ELISSALDE, C. - CHUNG, U.C. - MOUNAIX, P. THz response of TiO2 microspheres embedded in a dielectric layer. In 2015 40TH INTERNATIONAL CONFERENCE ON INFRARED, MILLIMETER AND TERAHERTZ WAVES (IRMMW-THZ). ISSN 2162-2027, 2015 ., WOS

67. [1.1] SOHEILIFAR, M.R. Design, fabrication and characterization of stacked leyers. In AEU-international journal of electronics and communications, 2015, vol. 69, p. 126., WOS

68. [1.1] SOHEILIFAR, Mohammad Reza - SADEGHZADEH, Ramazan Ali. Design, fabrication and characterisation of scaled and stacked layers planar metamaterial absorber. In IET MICROWAVES ANTENNAS & PROPAGATION. ISSN 1751-8725, 2015, vol. 9, no. 1, pp. 86., WOS

69. [1.1] SONG Jia-Kun. Exploring electromagnetic response. In CHINESE PHYSICS B, 2015, vol. 24, 104103., wos

70. [1.1] SONG, Jiakun - LIU, Jietao - SONG, Yuzhi - LI, Kangwen - ZHANG, Zuyin - XU, Yun - WEI, Xin - SONG, Guofeng. Plasmon-Induced Transparency and Dispersionless Slow Light in a Novel Metamaterial. In IEEE PHOTONICS TECHNOLOGY LETTERS. ISSN 1041-1135, 2015, vol. 27, no. 11, pp. 1177., WOS

71. [1.1] SUN, J. Experimental demonstration of anomalous field. In SCIENTIFIC REPORTS, 2015, vol. 5, 16154., WOS

72. [1.1] SYTCHKOVA, A. Prototyping fishnet metamaterials. In PROCEEDINGS OF SPIE, 2015, vol. 9627, 96271J., WOS

73. [1.1] TANASKOVIC, Dragan - JAKSIC, Zoran - OBRADOV, Marko - JAKSIC, Olga. Super Unit Cells in Aperture-Based Metamaterials. In JOURNAL OF NANOMATERIALS. ISSN 1687-4110, 2015, 312064., WOS

74. [1.1] TANG, Shiwei - HE, Qiong - XIAO, Shiyi - HUANG, Xueqin - ZHOU, Lei. Fractal plasmonic metamaterials: physics and applications. In NANOTECHNOLOGY REVIEWS. ISSN 2191-9089, 2015, vol. 4, no. 3, pp. 277., WOS

75. [1.1] TRANG, Frank - ROGALLA, Horst - POPOVIC, Zoya. Effective Constitutive Parameters of High-Temperature Superconducting Split-Ring Resonator Arrays. In IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY. ISSN 1051-8223, 2015, vol. 25, no. 1, 1800107., WOS

76. [1.1] ULLAH, M. Habib - MAHADI, W. N. L. - LATEF, T. A. - ISLAM, M. T. - UDDIN, M. J. - AHSAN, M. R. Mutual coupling reduction of dual port antenna using zero index metasurface structure. In INTERNATIONAL JOURNAL OF APPLIED ELECTROMAGNETICS AND MECHANICS. ISSN 1383-5416, 2015, vol. 49, no. 3, pp. 387., WOS

77. [1.1] ULLAH, Mohammad Habib - AHSAN, Md Rezwanul - MAHADI, Wan Nor Liza Wan - LATEF, Tarik Abdul - UDDIN, Md Jasim. ISOLATION IMPROVEMENT OF DUAL FEED PATCH ANTENNA BY ASSIMILATING

METASURFACE GROUND. In MICROWAVE AND OPTICAL TECHNOLOGY LETTERS. ISSN 0895-2477, 2015, vol. 57, no. 6, pp. 1406., WOS
78. [1.1] VO, T.S. et al. Magnetic resonance absorption. In CURRENT APLLIED PHYSICS, 2015, vol. 15, p. 844., WOS
79. [1.1] WANG, Qingmin - ZENG, Lingyu - LEI, Ming - BI, Ke. Tunable metamaterial bandstop filter based on ferromagnetic resonance. In AIP ADVANCES. ISSN 2158-3226, 2015, vol. 5, no. 7, 077145., WOS
80. [1.1] WEI, P. An acoustic beam shifter. In EPL, 2015, vol. 109, 14004., WOS
81. [1.1] WEN, Yongzheng - MA, Wei - BAILEY, Joe - MATMON, Guy - YU, Xiaomei. Broadband Terahertz Metamaterial Absorber Based on Asymmetric Resonators With Perfect Absorption. In IEEE TRANSACTIONS ON TERAHERTZ SCIENCE AND TECHNOLOGY. ISSN 2156-342X, 2015, vol. 5, no. 3, pp. 406., WOS
82. [1.1] WOLF, Omri - ALLERMAN, Andrew A. - MA, Xuedan - WENDT, Joel R. - SONG, Alex Y. - SHANER, Eric A. - BRENER, Igal. Enhanced optical nonlinearities in the near-infrared using III-nitride heterostructures coupled to metamaterials. In APPLIED PHYSICS LETTERS. ISSN 0003-6951, 2015, vol. 107, no. 15, 151108., WOS
83. [1.1] WU, Q. et al. Wireless power transfer. In EPL, 2015, vol. 109, 68005., WOS
84. [1.1] WU, Zhan Ni - TANG, Wen Xuan - CUI, Tie Jun. A Beam-Steerable Metamaterial Lens Using Varactor Diodes. In 2015 IEEE MTT-S INTERNATIONAL MICROWAVE WORKSHOP SERIES ON ADVANCED MATERIALS AND PROCESSES FOR RF AND THZ APPLICATIONS (IMWS-AMP), 2015, vol., no., pp. 13., WOS
85. [1.1] XU XIN-HE - LIU YING - GAN YUE-HONG - LIU WEN-MIAO. A method of retrieving the constitutive parameter matrix of magnetoelectric coupling metamaterial. In ACTA PHYSICA SINICA. ISSN 1000-3290, 2015, vol. 64, no. 4, 044101., WOS
86. [1.1] YANG, X.M. et al. Broadbanding of circularly polarized patch antenna. In AIP ADVANCES, 2015, vol. 5, 127134., WOS
87. [1.1] YAO, B. M. - GUI, Y. S. - CHEN, X. S. - LU, W. - HU, C.M. Experimental realization of negative refraction using one metasurface. In APPLIED PHYSICS LETTERS. ISSN 0003-6951, 2015, vol. 106, no. 12, 121903., WOS
88. [1.1] YAO, Zhihui - LIU, Yanhui - YU, Ziwei - XIONG, Xiaoping - ZHANG, Liang - YE, Longfang - LIU, Qing Huo. A Low-Profile Aperture Impedance Matching Technique for TEM Planar Luneberg Lens. In 2015 IEEE MTT-S INTERNATIONAL MICROWAVE WORKSHOP SERIES ON ADVANCED MATERIALS AND PROCESSES FOR RF AND THZ APPLICATIONS (IMWS-AMP), 2015, vol., no., pp. 388., WOS
89. [1.1] YE, Fan - BURNS, Michael J. - NAUGHTON, Michael J. Embedded metal nanopatterns as a general scheme for enhanced broadband light absorption. In PHYSICA STATUS SOLIDI A-APPLICATIONS AND MATERIALS SCIENCE. ISSN 1862-6300, 2015, vol. 212, no. 3, pp. 561., WOS
90. [1.1] YI, Jianjia - BUROKUR, Shah Nawaz - DE LUSTRAC, Andre. Experimental validation of a transformation optics based lens for beam steering. In APPLIED PHYSICS LETTERS. ISSN 0003-6951, 2015, vol. 107, no. 15, 154101., WOS
91. [1.1] ZHANG ZHEN-QING - LU HAI - WANG SHAO-HUA - WEI ZE-YONG - JIANG HAI-TAO - LI YUN-HUI. Optical Tamm state and related lasing effect enhanced by planar plasmonic metamaterials. In ACTA PHYSICA SINICA. ISSN

1000-3290, 2015, vol. 64, no. 11, 114202., WOS
92. [1.1] ZHANG, Min - HOU, Zhi-Ling - LIU, Ya-Min - LI, Zhong-Jun - LIU, Xingda - FANG, Hui-Min. Dual-band quasi-zero refraction and negative refraction in coin-shaped metamaterial. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2015, vol. 117, no. 18, 183104., WOS
93. [1.1] ZHANG, Xiujuan - WU, Ying. Effective medium theory for anisotropic metamaterials. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2015, vol. 5, 7892., WOS
94. [1.1] ZHANG, Xu - DEBNATH, Sanjoy - GUENEY, Durdu Oe. Hyperbolic metamaterial feasible for fabrication with direct laser writing processes. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS. ISSN 0740-3224, 2015, vol. 32, no. 6, pp. 1013., WOS
95. [1.1] ZHANG, Xu - USI, Elvis - KHAN, Suhail K. - SADATGOL, Mehdi - GUENEY, Durdu Oe. Extremely Sub-Wavelength Negative Index Metamaterial. In PROGRESS IN ELECTROMAGNETICS RESEARCH-PIER. ISSN 1559-8985, 2015, vol. 152, no., pp. 95., WOS
96. [1.1] ZHANG, Y. et al. Numerical analysis of superscaterrer. In APPLIED PHYSICS B, 2015, vol. 121, p. 57., WOS
97. [1.1] ZHANG, Yingyi - TANG, Houjun - YAO, Chen - LI, Yuncheng - XIAO, Siyu. Experiments on adjustable magnetic metamaterials applied in megahertz wireless power transmission. In AIP ADVANCES. ISSN 2158-3226, 2015, vol. 5, no. 1, 017142., WOS
98. [1.1] ZHANG, Zhenqing - LI, Yunhui - WANG, Shaohua - LU, Hai - SUN, Yong - JIANG, Haitao - CHEN, Hong. Metasurface-enhanced optical Tamm states and related lasing effect. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS. ISSN 0740-3224, 2015, vol. 32, no. 8, pp. 1624., WOS
99. [1.1] ZHAO, Qian - XIAO, Zongqi - ZHANG, Fuli - MA, Junming - QIAO, Ming - MENG, Yonggang - LAN, Chuwen - LI, Bo - ZHOU, Ji - ZHANG, Peng - SHEN, Nian-Hai - KOSCHNY, Thomas - SOUKOULIS, Costas M. Tailorable Zero-Phase Delay of Subwavelength Particles toward Miniaturized Wave Manipulation Devices. In ADVANCED MATERIALS. ISSN 0935-9648, 2015, vol. 27, no. 40, pp. 6187., WOS
100. [1.1] ZHONG, M. Experimental and numerical study. In OPTICS COMMUNICATIONS, 2015, vol. 349, p. 42., WOS
101. [1.1] ZHONG, M. - YE, Y. H. Numerical demonstration of compound structure broad pass-band optical metamaterial filter. In APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING. ISSN 0947-8396, 2015, vol. 119, no. 2, pp. 639., WOS
102. [1.1] ZHONG, M. Localized surface plasmon resonnance. In OPTICS COMMUNICATIONS, 2015, vol. 356, p. 607., WOS
103. [1.1] ZHONG, Min - YE, Yonghong. Role of coupling of localized surface plasmon modes in transmission properties of compound structure metamaterials. In OPTICS COMMUNICATIONS. ISSN 0030-4018, 2015, vol. 335, no., pp. 94., WOS
104. [1.1] ZHOU, Nan - XU, Xianfan. Metamaterial-based perfect absorbers for efficiently enhancing near field radiative heat transfer. In JOURNAL OF QUANTITATIVE SPECTROSCOPY & RADIATIVE TRANSFER. ISSN 0022-4073, 2015, vol. 167, no., pp. 156., WOS
105. [1.1] ZHU, H.L.- CHEUNG, S.W.- YUK, T.I. Frequency-reconfigurable slot antenna. In MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, 2015, vol. 54, p. 1475., WOS

106. [1.1] ZOGRAFOPOULOS, Dimitrios C. - BECCHERELLI, Romeo. Tunable terahertz fishnet metamaterials based on thin nematic liquid crystal layers for fast switching. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2015, vol. 5, 13137., WOS

ADCA571 SOMMA, R.D. - NAGAJ, Daniel - KIEFEROVÁ, M. Quantum speedup by quantum annealing. In Physical Review Letters, 2012, vol. 109, no. 5, 050501. (7.370 - IF2011). (2012 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Citácie:

1. [1.1] BOIXO, S. - ORTIZ, G. - SOMMA, R. Fast quantum methods for optimization. In EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS. ISSN 1951-6355, 2015, vol. 224, no. 1, pp. 35., WOS

2. [1.1] BRAVYI, Sergey. MONTE CARLO SIMULATION OF STOQUASTIC HAMILTONIANS. In QUANTUM INFORMATION & COMPUTATION. ISSN 1533-7146, 2015, vol. 15, no. 13-14, pp. 1122., WOS

3. [1.1] KANEKO, Kazuya - NISHIMORI, Hidetoshi. Adiabatic Approximation for the Imaginary-Time Schrodinger Equation and Its Application to Simulated Annealing. In JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN. ISSN 0031-9015, 2015, vol. 84, no. 9, 094001., WOS

4. [1.1] KATZGRABER, Helmut G. - HAMZE, Firas - ZHU, Zheng - OCHOA, Andrew J. - MUNOZ-BAUZA, H. Seeking Quantum Speedup Through Spin Glasses: The Good, the Bad, and the Ugly. In PHYSICAL REVIEW X. ISSN 2160-3308, 2015, vol. 5, no. 3, 031026., WOS

5. [1.1] MANDRA, Salvatore - GUERRESCHI, Gian Giacomo - ASPURU-GUZIK, Alan. Adiabatic quantum optimization in the presence of discrete noise: Reducing the problem dimensionality. In PHYSICAL REVIEW A. ISSN 2469-9926, 2015, vol. 92, no. 6, 062320., WOS

6. [1.1] NAZARETH, Daryl P. - SPAANS, Jason D. First application of quantum annealing to IMRT beamlet intensity optimization. In PHYSICS IN MEDICINE AND BIOLOGY. ISSN 0031-9155, 2015, vol. 60, no. 10, pp. 4137., WOS

7. [1.1] O&APOS;GORMAN, B. - BABBUSH, R. - PERDOMO-ORTIZ, A. - ASPURU-GUZIK, A. - SMELYANSKIY, V. Bayesian network structure learning using quantum annealing. In EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS. ISSN 1951-6355, 2015, vol. 224, no. 1, pp. 163., WOS

8. [1.1] PUDENZ, Kristen L. - ALBASH, Tameem - LIDAR, Daniel A. Quantum annealing correction for random Ising problems. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 91, no. 4, 042302., WOS

9. [1.1] VINCI, Walter - ALBASH, Tameem - PAZ-SILVA, Gerardo - HEN, Itay - LIDAR, Daniel A. Quantum annealing correction with minor embedding. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 92, no. 4, 042310., WOS

10. [1.1] WANG, Wenlong - MACHTA, Jonathan - KATZGRABER, Helmut G. Chaos in spin glasses revealed through thermal boundary conditions. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 92, no. 9, 094410., WOS

ADCA572 SOULIOTIS, G.A. - VESELSKÝ, Martin - SHETTY, D.V. - YENNELLO, S.J. Heavy-residue isoscaling as a probe of the process of N/Z equilibration. In Physics Letters B, 2004, vol. 588, no. 1-2, p. 35-42. (4.066 - IF2003). (2004 - Current Contents, WOS, SCOPUS). ISSN 0370-2693.

Citácie:

1. [1.1] DAI, Z. T. - FANG, D. Q. - MA, Y. G. - CAO, X. G. - ZHANG, G. Q. - SHEN, W. Q. Effect of neutron skin thickness on projectile fragmentation. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 91, no. 3, 034618., WOS

2. [1.1] ZHANG YINGXUN - ZHOU CHENGSHUANG - CHEN JIXIAN - WANG NING - ZHAO KAI - LI ZHUXIA. Correlation between the fragmentation modes

and light charged particles emission in heavy ion collisions. In SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY. ISSN 1674-7348, 2015, vol. 58, no. 11, 112002., WOS

ADCA573 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, 064607. (3.416 - IF2010). (2011 - Current Contents). ISSN 2469-9985.

Citácie:

1. [1.1] JOHNSON, T. D. - KULP, W. D. Nuclear Data Sheets for A=87. In NUCLEAR DATA SHEETS. ISSN 0090-3752, 2015, vol. 129, pp. 1., WOS*

ADCA574 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.

Citácie:

1. [1.1] BARTOLOME SANJOAQUIN, Juan - GARCIA VINUESA, Luis Miguel. Structural and Magnetic Properties of Amorphous Co-W Alloyed Nanoparticles. In MAGNETIC NANOPARTICLES: A STUDY BY SYNCHROTRON RADIATION AND RF TRANSVERSE SUSCEPTIBILITY. ISSN 2190-5053, 2015, pp. 31-66., WOS

2. [1.1] YALCIN, O. - UNLUER, S. - KAZAN, S. - OZDEMIR, M. - ONER, Y. Temperature evolution of magnetic properties for (Cu/Co)(60)/Fe multilayer. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2015, vol. 373, pp. 144-150., WOS

ADCA575 STANKOV, S. - YUE, Y.Z. - MIGLIERINI, M. - SEPIOL, B. - SERGUEEV, I. - CHUMAKOV, A.I. - HU, L. - ŠVEC, Peter - RUFFER, R. Vibrational properties of nanograins and interfaces in nanocrystalline materials. In Physical Review Letters, 2008, vol. 100, no. 23, 235503. (6.944 - IF2007). (2008 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Citácie:

1. [1.1] GRUNER, M. E. - KEUNE, W. - CUENYA, B. Roldan - WEIS, C. - LANDERS, J. - MAKAROV, S. I. - KLAR, D. - HU, M. Y. - ALP, E. E. - ZHAO, J. - KRAUTZ, M. - GUTFLEISCH, O. - WENDE, H. Element-Resolved Thermodynamics of Magnetocaloric LaFe13-xSix. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 114, no. 5, 057202., WOS

ADCA576 STANKOV, S. - MIGLIERINI, M. - CHUMAKOV, A.I. - SERGUEEV, I. - YUE, Y.Z. - SEPIOL, B. - ŠVEC, Peter - HU, L. - RUFFER, R. Vibrational thermodynamics of Fe90Zr7B3 nanocrystalline alloy from nuclear inelastic scattering. In Physical Review B, 2010, vol. 82, 144301. (3.475 - IF2009). (2010 - Current Contents, WOS, SCOPUS). ISSN 1550-235X.

Citácie:

1. [1.1] DAMART, T. - GIORDANO, V. M. - TANGUY, A. Nanocrystalline inclusions as a low-pass filter for thermal transport in a-Si. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 92, no. 9, 094201., WOS

ADCA577 STAŇO, Peter - JACQUOD, Ph. Suppression of interactions in multimode random lasers in the Anderson localized regime. In Nature Photonics, 2013, vol. 7, no. 1, p. 66-71. (27.254 - IF2012). (2013 - Current Contents). ISSN 1749-4885.

Citácie:

1. [1.1] CHOI, Seung Ho - BYUN, Kyung Min - KIM, Young L. Excitation of multiple resonances in 1D Anderson localized systems for efficient light amplification. In OPTICS LETTERS. ISSN 0146-9592, 2015, vol. 40, no. 5, pp.

847., WOS
2. [1.1] CHURKIN, D. V. - KOLOKOLOV, I. V. - PODIVILOV, E. V. - VATNIK, I. D. - NIKULIN, M. A. - VERGELES, S. S. - TEREKHOV, I. S. - LEBEDEV, V. V. - FALKOVICH, G. - BABIN, S. A. - TURITSYN, S. K. Wave kinetics of random fibre lasers. In NATURE COMMUNICATIONS. ISSN 2041-1723, 2015, vol. 6, 6214., WOS
3. [1.1] CUI, Libin - SHI, Jinwei - WANG, Yanrong - ZHENG, Ruqiang - CHEN, Xiao - GONG, Wenping - LIU, Dahe. Retrieval of contaminated information using random lasers. In APPLIED PHYSICS LETTERS. ISSN 0003-6951, 2015, vol. 106, no. 20, 201101., WOS
4. [1.1] GHULINYAN, Mher - PAVESI, Lorenzo. LIGHT LOCALISATION AND LASING Random and Quasi-Random Photonic Structures Preface. In LIGHT LOCALISATION AND LASING: RANDOM AND QUASI-RANDOM PHOTONIC STRUCTURES, 2015, XI., WOS
5. [1.1] LAPTYEVA, T. V. - DENISOV, S. V. - OSIPOV, G. V. - IVANCHENKO, M. V. Localization attractors in active quasiperiodic arrays. In JETP LETTERS. ISSN 0021-3640, 2015, vol. 102, no. 9, pp. 603., WOS
6. [1.1] LAPTYEVA, Tetyana V. - TIKHOMIROV, Andrey A. - KANAKOV, Oleg I. - IVANCHENKO, Mikhail V. Anderson attractors in active arrays. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2015, vol. 5, 13263., WOS
7. [1.1] MALIK, O. - MAKRIS, K. G. - TUERECI, H. E. Spectral method for efficient computation of time-dependent phenomena in complex lasers. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 92, no. 6, 063829., WOS
8. [1.1] SCHWEFEL, Harald G. L. - TUERECI, Hakan E. A chaotic approach clears up imaging. In SCIENCE. ISSN 0036-8075, 2015, vol. 348, no. 6231, pp. 189., WOS
9. [1.1] UPPU, Ravitej - MUJUMDAR, Sushil. Excitation-dependent diffuse super-reflection from a random laser. In PHYSICAL REVIEW A. ISSN 2469-9926, 2015, vol. 91, no. 5, 053819., WOS
10. [1.1] UPPU, Ravitej - MUJUMDAR, Sushil. Exponentially Tempered Levy Sums in Random Lasers. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 114, no. 18, 183903., WOS
11. [1.1] YU, S. F. Electrically pumped random lasers. In JOURNAL OF PHYSICS D-APPLIED PHYSICS. ISSN 0022-3727, 2015, vol. 48, no. 48, 483001., WOS

ADCA578 STAŇO, Peter - JACQUOD, P. Spin-to-charge conversion of mesoscopic spin currents. In Physical Review Letters, 2011, vol. 106, no. 20, 206602. (7.622 - IF2010). (2011 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Citácie:

1. [1.1] MOOR, Andreas - VOLKOV, Anatoly F. - EFETOV, Konstantin B. Spin current in junctions composed of multi-band superconductors with a spin-density wave. In SUPERCONDUCTOR SCIENCE & TECHNOLOGY. ISSN 0953-2048, 2015, vol. 28, no. 2, 025011., WOS

ADCA579 STAŇO, Peter - FABIAN, J. Theory of phonon-induced spin relaxation in laterally coupled quantum dots. In Physical Review Letters, 2006, vol. 96, no. 18, 186602. (7.489 - IF2005). (2006 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Citácie:

1. [1.1] SEGARRA, C. - PLANELLES, J. - CLIMENTE, J. I. - RAJADELL, F. Anisotropy of spin-orbit induced electron spin relaxation in [001] and [111] grown GaAs quantum dots. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2015, vol. 17, 033014., WOS
2. [1.1] SEGARRA, C. - PLANELLES, J. - CLIMENTE, J. I. Control of electron

spin-orbit anisotropy in pyramidal InAs quantum dots. In PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES. ISSN 1386-9477, 2015, vol. 66, no., pp. 234., WOS

3. [1.1] SEGARRA, C. et al. Hole spin relaxation in InAs/GaAs quantum dot molecules. In JOURNAL OF PHYSICS CONDENSED MATTER, 2015, vol. 27, 415301., WOS

4. [1.1] SRINIVASA, V. - TAYLOR, J. M. Capacitively coupled singlet-triplet qubits in the double charge resonant regime. In PHYSICAL REVIEW B. ISSN 2469-9950, 2015, vol. 92, no. 23, 235301., WOS

ADCA580 STAŇO, Peter - FABIAN, J. Spin-orbit effects in single-electron states in coupled quantum dots. In Physical Review B, 2005, vol. 72, no. 15, 155410. (3.075 - IF2004). (2005 - Current Contents). ISSN 1550-235X.

Citácie:

1. [1.1] BUDAGOSKY MARCILLA, Jorge A. - CASTRO, Alberto. Ultrafast single electron spin manipulation in 2D semiconductor quantum dots with optimally controlled time-dependent electric fields through spin-orbit coupling. In EUROPEAN PHYSICAL JOURNAL B. ISSN 1434-6028, 2015, vol. 88, no. 1, 122015., WOS

ADCA581 STAŇO, Peter - FABIAN, J. Orbital and spin relaxation in single and coupled quantum dots. In Physical Review B, 2006, vol. 74, no. 4, 045320. (3.185 - IF2005). (2006 - Current Contents, WOS, SCOPUS). ISSN 1550-235X.

Citácie:

1. [1.1] KURPAS, Marcin - KEDZIERSKA, Barbara - JANUS-ZYGMUNT, Iwona - GORCZYCA-GORAJ, Anna - WACH, Elzbieta - ZIPPER, Elzbieta - MASKA, Maciej M. Charge transport through a semiconductor quantum dot-ring nanostructure. In JOURNAL OF PHYSICS-CONDENSED MATTER. ISSN 0953-8984, 2015, vol. 27, no. 26, 265801., WOS

2. [1.1] PRABHAKAR, S. - MELNIK, R. - BONILLA, L. L. Spin Control in Quantum Dots for Quantum Information Processing. In NANOTECHNOLOGY IN THE SECURITY SYSTEMS. ISSN 1871-4668, 2015, vol., no., pp. 3., WOS

3. [1.1] SEGARRA, C. - PLANELLES, J. - CLIMENTE, J. I. - RAJADELL, F. Anisotropy of spin-orbit induced electron spin relaxation in [001] and [111] grown GaAs quantum dots. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2015, vol. 17, 033014., WOS

ADCA582 STAŇO, Peter - KLINOVAJA, J. - YACOBY, A. - LOSS, D. Local spin susceptibilities of low-dimensional electron systems. In Physical Review B, 2013, vol. 88, 045441. (3.767 - IF2012). (2013 - Current Contents, WOS, SCOPUS). ISSN 1550-235X.

Citácie:

1. [1.1] DORA, Balazs - SIMON, Ferenc. Unusual spin dynamics in topological insulators. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2015, vol. 5, 14844., WOS

2. [1.1] LEE, Yu-Wen - LEE, Yu-Li. Electrical control and interaction effects of the RKKY interaction in helical liquids. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 91, no. 21, 214431., WOS

3. [1.1] SHARAFUTDINOV, A. U. - BURMISTROV, I. S. Tunneling density of states in quantum dots with anisotropic exchange. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 92, no. 3, 035439., WOS

ADCA583 STAŇO, Peter - FABIAN, J. Control of electron spin and orbital resonances in quantum dots through spin-orbit interactions. In Physical Review B, 2010, vol. 82, no. 12, 125309. (3.475 - IF2009). (2010 - Current Contents, WOS, SCOPUS). ISSN 1550-235X.

Citácie:

1. [1.1] BUDAGOSKY MARCILLA, Jorge A. - CASTRO, Alberto. Ultrafast single electron spin manipulation in 2D semiconductor quantum dots with optimally controlled time-dependent electric fields through spin-orbit coupling. In EUROPEAN PHYSICAL JOURNAL B. ISSN 1434-6028, 2015, vol. 88, no. 1, JAN 12., WOS

ADCA584 STAŇO, Peter - REITZNER, Daniel - HEINOSAARI, T. Coexistence of qubit effects. In Physical Review A, 2008, vol. 78, no. 1, 012315. (2.893 - IF2007). (2008 - Current Contents). ISSN 1050-2947.

Citácie:

1. [1.1] ZHU, Huangjun. Information complementarity: A new paradigm for decoding quantum incompatibility. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2015, vol. 5, 14317., WOS

ADCA585 STAŇO, Peter - JACQUOD, Ph. Spin-dependent tunneling into an empty lateral quantum dot. In Physical Review B, 2010, vol. 82, no. 12, 125309. (3.475 - IF2009). (2010 - Current Contents, WOS, SCOPUS). ISSN 1550-235X.

Citácie:

1. [1.1] PETROSYAN, L. S. - SHAHBAZYAN, T. V. Spin-dependent coherent transport in a double quantum dot system. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 92, no. 11, 115423., WOS

ADCA586 STOJANOVA, L. - RUSSEW, K. - ILLEKOVÁ, Emília. Study of the structural relaxation of PD82SI18 metallic-glass by thermal expansion and viscous-flow measurements. In Materials Science and Engineering A, 1991, vol. 133, p. 529-531. (1991 - Current Contents, SCOPUS). ISSN 0921-5093.

Citácie:

1. [1.1] BLODGETT, M. E. - EGAMI, T. - NUSSINOV, Z. - KELTON, K. F. Proposal for universality in the viscosity of metallic liquids. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2015, vol. 5, 13837., WOS

ADCA587 SUCH, B. - GLATZEL, T. - KAWAI, S. - MEYER, E. - TURANSKÝ, Robert - BRNDIAR, Ján - ŠTICH, Ivan. Interplay of the tip-sample junction stability and image contrast reversal on a Cu(111) surface revealed by the 3D force field. In Nanotechnology, 2012, vol. 23, no. 4, 045705. (3.979 - IF2011). (2012 - Current Contents, WOS, SCOPUS). ISSN 0957-4484.

Citácie:

1. [1.1] KIM, Howon - HASEGAWA, Yukio. Site-Dependent Evolution of Electrical Conductance from Tunneling to Atomic Point Contact. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 114, no. 20, 206801., WOS

2. [1.1] YIN, Feng - KOSKINEN, Pekka - KULJU, Sampo - AKOLA, Jaakko - PALMER, Richard E. Real-space Wigner-Seitz Cells Imaging of Potassium on Graphite via Elastic Atomic Manipulation. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2015, vol. 5, 8276., WOS

ADCA588 SULIGNANO, B. - THEISEN, Ch. - DELAROCHE, J.P. - GIROD, M. - LJUNGVALL, J. - ACKERMANN, D. - ANTALIC, S. - DORVAUX, O. - GALL, B. - GORGEN, A. - GREENLEES, P.T. - HAUSCHILD, K. - HERZBERG, R.-D. - HESSBERGER, F.P. - JAKOBSSON, U. - JONES, P. - JULIN, R. - JUUTINEN, S. - KETELHUT, S. - KORTEN, W. - LEINO, M. - LOPEZ-MARTENS, A. - NYMAN, M. - OBERTELLI, A. - PAKARINEN, J. - PAPADAKIS, P. - PARR, E. - PEURA, P. - PIOT, J. - RAHKILA, P. - ROSTRON, D. - RUOTSALAINEN, P. - SAREN, J. - SCHOLEY, C. - SORRI, J. - UUSITALO, J. - VENHART, Martin - ZIELINSKA, M. Investigation of high-K states in No-252. In Physical Review C, 2012, vol. 86, no. 4, 044318. (3.308 - IF2011). (2012 - Current Contents, WOS, SCOPUS). ISSN 2469-9985.

Citácie:
1. [1.1] BLOCK, M. Direct mass measurements of the heaviest elements with Penning traps. In NUCLEAR PHYSICS A. ISSN 0375-9474, 2015, vol. 944, pp. 471., WOS
2. [1.1] KONDEV, F. G. - DRACOULIS, G. D. - KIBEDI, T. Configurations and hindered decays of K isomers in deformed nuclei with A > 100. In ATOMIC DATA AND NUCLEAR DATA TABLES. ISSN 0092-640X, 2015, vol. 103, pp. 50., WOS

ADCA589 ŠÁLY, V. - HARTMANOVÁ, Mária - GLUSHKOVA, V.B. Electrical behavior of HFO2 stabilized with rare-earths. In Solid State Ionics, 1989, vol. 36, no. 3-4, p.189-192. ISSN 0167-2738.

Citácie:
1. [1.1] KUZ&APOS;MIN, A. V. - MESHCHERSKIKH, A. N. - GORELOV, V. P. - PLAKSIN, S. V. New Solid Electrolytes HfO2-SC2O3-Y2O3. In RUSSIAN JOURNAL OF APPLIED CHEMISTRY. ISSN 1070-4272, 2015, vol. 88, no. 5, pp. 751., WOS

ADCA590 ŠAMAJ, Ladislav - WAGNER, J. - KALINAY, Pavol. Translation symmetry breaking in the one-component plasma on the cylinder. In Journal of Statistical Physics, 2004, vol. 117, no. 1-2, p. 159-178. ISSN 0022-4715/00.

Citácie:
1. [1.1] CAN, T. - FORRESTER, P. J. - TELLEZ, G. - WIEGMANN, P. Exact and Asymptotic Features of the Edge Density Profile for the One Component Plasma in Two Dimensions. In JOURNAL OF STATISTICAL PHYSICS. ISSN 0022-4715, 2015, vol. 158, no. 5, pp. 1147-1180., WOS

ADCA591 ŠAMAJ, Ladislav - JANCOVICI, B. Large-distance behavior of particle correlations in the two-dimensional two-component plasma. In Journal of Statistical Physics, 2002, vol. 106, no. 1-2, p. 301-321. ISSN 0022-4715/00.

Citácie:
1. [1.1] WHITLEY, H. D. - ALASTUEY, A. - GAFFNEY, J. A. - CAUBLE, R. - KRAEFT, W. D. - BONITZ, M. A tribute to pioneers of strongly coupled plasmas: Hugh E. DeWitt, Bernard Jancovici, and Forrest J. Rogers. In CONTRIBUTIONS TO PLASMA PHYSICS. ISSN 0863-1042, 2015, vol. 55, no. 2-3, pp. 102-115., WOS

ADCA592 ŠAMAJ, Ladislav - PERCUS, J.K. A functional relation among the pair correlations of the2-dimensional one-component plasma. In Journal of Statistical Physics, 1995, vol. 80, no. 3-4, p. 811-824. ISSN 0022-4715/00.

Citácie:
1. [1.1] MORA GRIMALDO, Johnny Alejandro - TELLEZ, Gabriel. Relations Among Two Methods for Computing the Partition Function of the Two-Dimensional One-Component Plasma. In JOURNAL OF STATISTICAL PHYSICS. ISSN 0022-4715, 2015, vol. 160, no. 1, pp. 4-28., WOS
2. [1.1] PABLO MALLARINO, Juan - TELLEZ, Gabriel. Counterion density profile around a charged disk: From the weak to the strong association regime. In PHYSICAL REVIEW E. ISSN 1539-3755, 2015, vol. 91, no. 6, 062140., WOS

ADCA593 ŠAMAJ, Ladislav - TRIZAC, E. Ground state of classical bilayer Wigner crystals. In Europhysics Letters, 2012, vol. 98, no. 3, 36004. (2.171 - IF2011). (2012 - Current Contents, SCOPUS). ISSN 0295-5075.

Citácie:
1. [1.1] PABLO MALLARINO, Juan - TELLEZ, Gabriel. Counterion density profile around a charged disk: From the weak to the strong association regime. In PHYSICAL REVIEW E. ISSN 1539-3755, 2015, vol. 91, no. 6, 062140., WOS

ADCA594 ŠAMAJ, Ladislav - TRIZAC, E. Ground-state structure of a bilayer Wigner crystal

with repulsive dielectric images. In Europhysics Letters, 2012, vol. 100, 56005. (2.171 - IF2011). (2012 - Current Contents, SCOPUS). ISSN 0295-5075.

Citácie:

1. [1.1] DOS SANTOS, Alexandre P. - LEVIN, Yan. Electrolytes between dielectric charged surfaces: Simulations and theory. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2015, vol. 142, no. 19, 194104., WOS

2. [1.1] PABLO MALLARINO, Juan - TELLEZ, Gabriel. Counterion density profile around a charged disk: From the weak to the strong association regime. In PHYSICAL REVIEW E. ISSN 1539-3755, 2015, vol. 91, no. 6, 062140., WOS

ADCA595 ŠAMAJ, Ladislav - TRIZAC, E. Counter-ions at charged walls: Two-dimensional systems. In European Physical Journal E : Soft Matter and Biological Physics, 2011, vol. 34, no. 2, 20. (2.096 - IF2010). (2011 - Current Contents, WOS, SCOPUS). ISSN 1292-8941.

Citácie:

1. [1.1] PABLO MALLARINO, Juan - TELLEZ, Gabriel. Counterion density profile around a charged disk: From the weak to the strong association regime. In PHYSICAL REVIEW E. ISSN 1539-3755, 2015, vol. 91, no. 6, 062140., WOS

ADCA596 ŠAMAJ, Ladislav - TRIZAC, E. Counterions at highly charged interfaces: From one plate to like-charge attraction. In Physical Review Letters, 2011, vol. 106, no. 7, 078301. (7.622 - IF2010). (2011 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.

Citácie:

1. [1.1] BAKHSHANDEH, Amin - DOS SANTOS, Alexandre P. - DIEHL, Alexandre - LEVIN, Yan. Interaction between random heterogeneously charged surfaces in an electrolyte solution. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2015, vol. 142, no. 19, 194707., WOS

2. [1.1] DOS SANTOS, Alexandre P. - LEVIN, Yan. Electrolytes between dielectric charged surfaces: Simulations and theory. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2015, vol. 142, no. 19, 194104., WOS

3. [1.1] GHODRAT, Malihe - NAJI, Ali - KOMAIE-MOGHADDAM, Haniyeh - PODGORNIK, Rudolf. Ion-mediated interactions between net-neutral slabs: Weak and strong disorder effects. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2015, vol. 143, no. 23, 234701., WOS

4. [1.1] GHODRAT, Malihe - NAJI, Ali - KOMAIE-MOGHADDAM, Haniyeh - PODGORNIK, Rudolf. Strong coupling electrostatics for randomly charged surfaces: antifragility and effective interactions. In Soft Matter. ISSN 1744-683X, 2015, vol. 11, no. 17, pp. 3441., WOS

5. [1.1] LUE, Leo - LINSE, Per. Ions confined in spherical dielectric cavities modeled by a splitting field-theory. In JOURNAL OF CHEMICAL PHYSICS. ISSN 0021-9606, 2015, vol. 142, no. 14, 144902., WOS

6. [1.1] PABLO MALLARINO, Juan - TELLEZ, Gabriel - TRIZAC, Emmanuel. The contact theorem for charged fluids: from planar to curved geometries. In MOLECULAR PHYSICS. ISSN 0026-8976, 2015, vol. 113, no. 17-18, pp. 2409., WOS

7. [1.1] PABLO MALLARINO, Juan - TELLEZ, Gabriel. Counterion density profile around a charged disk: From the weak to the strong association regime. In PHYSICAL REVIEW E. ISSN 1539-3755, 2015, vol. 91, no. 6, 062140., WOS

8. [1.1] TELLEZ, Gabriel - TRIZAC, Emmanuel. Screening like charges in one-dimensional Coulomb systems: Exact results. In PHYSICAL REVIEW E. ISSN 1539-3755, 2015, vol. 92, no. 4, 042134., WOS

ADCA597 ŠAMAJ, Ladislav - TRIZAC, E. Strong-coupling theory for a polarizable planar colloid. In Contributions to Plasma Physics, 2012, vol. 53, no. 1, p. 53-57. (1.530 -

IF2011). (2012 - Current Contents). ISSN 1521-3986.

Citácie:

1. [1.1] QIU, Yinghua - CHEN, Yunfei. Counterions and water molecules in charged silicon nanochannels: the influence of surface charge discreteness. In MOLECULAR SIMULATION. ISSN 0892-7022, 2015, vol. 41, no. 14, pp. 1187-1192., WOS

ADCA598 ŠAMAJ, Ladislav - TRIZAC, E. Wigner-crystal formulation of strong-coupling theory for counterions near planar charged interfaces. In Physical Review E, 2011, vol. 84, no. 4, 041401. (2.352 - IF2010). (2011 - Current Contents, WOS, SCOPUS). ISSN 2470-0045.

Citácie:

1. [1.1] PABLO MALLARINO, Juan - TELLEZ, Gabriel. Counterion density profile around a charged disk: From the weak to the strong association regime. In PHYSICAL REVIEW E. ISSN 1539-3755, 2015, vol. 91, no. 6, 062140., WOS

ADCA599 ŠAMAJ, Ladislav. A generalization of the Stillinger- Lovett sum rules for two-dimensional jellium. In Journal of Statistical Physics, 2007, vol. 128, no. 6, p. 1415-1428. ISSN 0022-4715.

Citácie:

1. [1.1] LASKIN, M. - CAN, T. - WIEGMANN, P. Collective field theory for quantum Hall states. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 92, no. 23, 235141., WOS

ADCA600 ŠAMAJ, Ladislav - PERCUS, J.K. - KOLESIK, M. 2-dimensional one-component plasma. In Physical Review E, 1994, vol. 49, no. 6, p. 5623-5627. (1994 - Current Contents). ISSN 2470-0045.

Citácie:

1. [1.1] PABLO MALLARINO, Juan - TELLEZ, Gabriel. Counterion density profile around a charged disk: From the weak to the strong association regime. In PHYSICAL REVIEW E. ISSN 1539-3755, 2015, vol. 91, no. 6, 062140., WOS

ADCA601 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. 3, no. 22, p. 5913-5920. ISSN 1751-8113.

Citácie:

1. [1.1] CUNDEN, Fabio Deelan - MALTSEV, Anna - MEZZADRI, Francesco. Fluctuations in the two-dimensional one-component plasma and associated fourth-order phase transition. In PHYSICAL REVIEW E. ISSN 1539-3755, 2015, vol. 91, no. 6, 060105., WOS

2. [1.1] PABLO MALLARINO, Juan - TELLEZ, Gabriel - TRIZAC, Emmanuel. The contact theorem for charged fluids: from planar to curved geometries. In MOLECULAR PHYSICS. ISSN 0026-8976, 2015, vol. 113, no. 17-18, pp. 2409., WOS

3. [1.1] TELLEZ, Gabriel - TRIZAC, Emmanuel. Screening like charges in one-dimensional Coulomb systems: Exact results. In PHYSICAL REVIEW E. ISSN 1539-3755, 2015, vol. 92, no. 4, 042134., WOS

ADCA602 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.

Citácie:

1. [1.1] MORA GRIMALDO, Johnny Alejandro - TELLEZ, Gabriel. Relations Among Two Methods for Computing the Partition Function of the Two-Dimensional One-Component Plasma. In JOURNAL OF STATISTICAL PHYSICS. ISSN 0022-4715, 2015, vol. 160, no. 1, pp. 4-28., WOS

2. [1.1] PABLO MALLARINO, Juan - TELLEZ, Gabriel. Counterion density

profile around a charged disk: From the weak to the strong association regime. In PHYSICAL REVIEW E. ISSN 1539-3755, 2015, vol. 91, no. 6, 062140., WOS

ADCA603 ŠAMAJ, Ladislav - TRIZAC, E. Critical phenomena and phase sequence in a classical bilayer Wigner crystal at zero temperature. In Physical Review B, 2012, vol. 85, no. 20, 205131. (3.691 - IF2011). (2012 - Current Contents, WOS, SCOPUS). ISSN 1550-235X.

Citácie:

1. [1.1] PABLO MALLARINO, Juan - TELLEZ, Gabriel. Counterion density profile around a charged disk: From the weak to the strong association regime. In PHYSICAL REVIEW E. ISSN 1539-3755, 2015, vol. 91, no. 6, 062140., WOS

ADCA604 ŠAŠURA, Marek - BUŽEK, Vladimír. Multiparticle entanglement with quantum logic networks: Application to cold trapped ions. In Physical Review A, 2001, vol. 64, no. 1, p. 012305. (2.684 - IF2000). ISSN 1050-2947.

Citácie:

1. [1.1] LIANG, Yan - JI, Xin - WANG, Hong-Fu - ZHANG, Shou. Deterministic SWAP gate using shortcuts to adiabatic passage. In LASER PHYSICS LETTERS. ISSN 1612-2011, 2015, vol. 12, no. 11, 115201., WOS

2. [1.1] LIANG, Yan - SONG, Chong - JI, Xin - ZHANG, Shou. Fast CNOT gate between two spatially separated atoms via shortcuts to adiabatic passage. In OPTICS EXPRESS. ISSN 1094-4087, 2015, vol. 23, no. 18, pp. 23798., WOS

3. [1.1] LIANG, Yan - WU, Qi-Cheng - SU, Shi-Lei - JI, Xin - ZHANG, Shou. Shortcuts to adiabatic passage for multiqubit controlled-phase gate. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 91, no. 3, 032304., WOS

4. [1.1] WASEEM, Muhammad - IRFAN, Muhammad - QAMAR, Shahid. Realization of quantum gates with multiple control qubits or multiple target qubits in a cavity. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2015, vol. 14, no. 6, pp. 1869., WOS

ADCA605 ŠAŠURA, Marek - BUŽEK, Vladimír. Cold trapped ions as quantum information processors. In Journal of Modern Optics, 2002, vol. 49, no. 10, p. 1593-1647. (2002 - Current Contents). ISSN 0950-0340.

Citácie:

1. [1.1] MIKELSONS, Gatis - COHEN, Itsik - RETZKER, Alex - PLENIO, Martin B. Universal set of gates for microwave dressed-state quantum computing. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2015, vol. 17, 053032., WOS

2. [1.1] ZHAO, Yan-Jun - LIU, Yu-Long - LIU, Yu-xi - NORI, Franco. Generating nonclassical photon states via longitudinal couplings between superconducting qubits and microwave fields. In PHYSICAL REVIEW A. ISSN 2469-9926, 2015, vol. 91, no. 5, 053820., WOS

ADCA606 ŠEBO, Pavol - MOSER, Zbigniew - ŠVEC, Peter - JANIČKOVIČ, Dušan - DOBROČKA, Edmund - GASIOR, Wladyslaw - PSTRUŚ, Janus. Effect of indium on the microstructure of the interface between Sn3.13Ag0.74Culn solder and Cu substrate. In Journal of Alloys and Compounds, 2009, vol. 480, no. 2, p. 409-415. (1.510 - IF2008). (2009 - Current Contents, WOS, SCOPUS). ISSN 0925-8388.

Citácie:

1. [1.1] ZENG, G. - MCDONALD, S.D. - GU, Q.F. - TERADA, Y. - UESUGI, K. - YASUDA, H. - NOGITA, K. In ACTA MATERIALIA. JAN 15 2015, vol. 83, p. 357-371., WOS

ADCA607 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. (2.101 - IF2010). (2011 - Current Contents). ISSN 0921-5093.

Citácie:

1. [1.1] SHEN, Jun - PU, Yayun - WU, Dong - TANG, Qin - ZHAO, Mali. Effects of minor Bi, Ni on the wetting properties, microstructures, and shear properties of Sn-0.7Cu lead-free solder joints. In JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS. ISSN 0957-4522, 2015, vol. 26, no. 3, pp. 1572., WOS

ADCA608 ŠEBO, Pavol - ŠVEC, Peter - JANIČKOVIČ, Dušan - ŠTEFÁNIK, Pavol. Influence of thermal cycling on shear strenght of Cu-Sn3.5AgIn-Cu joints with various content of indium. In Journal of Alloys and Compounds, 2008, vol. 463, p. 168-172. (1.455 - IF2007). (2008 - Current Contents, WOS, SCOPUS). ISSN 0925-8388.

Citácie:

1. [1.1] LI, Mingyu - XIAO, Yong - ZHANG, Zhihao - YU, Jie. Bimodal Sintered Silver Nanoparticle Paste with Ultrahigh Thermal Conductivity and Shear Strength for High Temperature Thermal Interface Material Applications. In ACS APPLIED MATERIALS & INTERFACES. ISSN 1944-8244, 2015, vol. 7, no. 17, pp. 9157-9168., WOS

ADCA609 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. (5.030 - IF2013). (2014 - Current Contents). ISSN 0927-0248.

Citácie:

1. [1.1] BELLA, Federico - GRIFFINI, Gianmarco - GEROSA, Matteo - TURRI, Stefano - BONGIOVANNI, Roberta. Performance and stability improvements for dye-sensitized solar cells in the presence of luminescent coatings. In JOURNAL OF POWER SOURCES. ISSN 0378-7753, 2015, vol. 283, pp. 195-203., WOS

2. [1.1] GRIFFINI, Gianmarco - BELLA, Federico - NISIC, Filippo - DRAGONETTI, Claudia - ROBERTO, Dominique - LEVI, Marinella - BONGIOVANNI, Roberta - TURRI, Stefano. Multifunctional Luminescent Down-Shifting Fluoropolymer Coatings: A Straightforward Strategy to Improve the UV-Light Harvesting Ability and Long-Term Outdoor Stability of Organic Dye-Sensitized Solar Cells. In ADVANCED ENERGY MATERIALS. ISSN 1614-6832, 2015, vol. 5, no. 3, 01312., WOS

ADCA610 ŠIFFALOVIČ, Peter - JERGEL, Matej - CHITU, Lívia - 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. (3.018 - IF2009). (2010 - Current Contents, WOS, SCOPUS). ISSN 0021-8898.

Citácie:

1. [1.1] RAO, P. N. - RAI, S. K. - SINHA, A. K. - SINGH, M. N. - LODHA, G. S. Thermally induced interface changes in W/B4C multilayers. In THIN SOLID FILMS. ISSN 0040-6090, 2015, vol. 589, pp. 268-271., WOS

ADCA611 ŠIFFALOVIČ, Peter - DRESCHER, M. - HEINZMANN, U. Femtosecond time-resolved core-level photoelectron spectroscopy tracking surface photovoltage transients on p-GaAs. In Europhysics Letters, 2002, vol. 60, no. 6, p. 924-930. (2.256 - IF2001). (2002 - Current Contents). ISSN 0295-5075.

Citácie:

1. [1.1] AL-OBAIDI, R. - WILKE, M. - BORGWARDT, M. - METJE, J. - MOGUILEVSKI, A. - ENGEL, N. - TOLKSDORF, D. - RAHEEM, A. - KAMPEN, T. - MAEHL, S. - KIYAN, I. Yu - AZIZ, E. F. Ultrafast photoelectron spectroscopy of solutions: space-charge effect. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2015, vol. 17, 093016., WOS

2. [1.1] BRAUN, J. - RAUSCH, R. - POTTHOFF, M. - MINAR, J. - EBERT, H. One-step theory of pump-probe photoemission. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 91, no. 3, 035119., WOS
3. [1.1] NEPPL, Stefan - GESSNER, Oliver. Time-resolved X-ray photoelectron spectroscopy techniques for the study of interfacial charge dynamics. In JOURNAL OF ELECTRON SPECTROSCOPY AND RELATED PHENOMENA. ISSN 0368-2048, 2015, vol. 200, pp. 64-77., WOS
4. [1.1] OGURI, Katsuya - TSUNOI, Takanobu - KATO, Keiko - NAKANO, Hidetoshi - NISHIKAWA, Tadashi - TATENO, Kouta - SOGAWA, Tetsuomi - GOTOH, Hideki. Dynamical observation of photo-Dember effect on semi-insulating GaAs using femtosecond core-level photoelectron spectroscopy. In APPLIED PHYSICS EXPRESS. ISSN 1882-0778, 2015, vol. 8, no. 2, 022401., WOS
5. [1.1] SISE, Omer - ZOUROS, Theo J. M. Position, Energy, and Transit Time Distributions in a Hemispherical Deflector Analyzer with Position Sensitive Detector. In JOURNAL OF SPECTROSCOPY. ISSN 2314-4920, 2015, 153513., WOS
6. [1.1] YAMAMOTO, T. - ISHIDA, Y. - YOSHIDA, R. - OKAWA, M. - OKAZAKI, K. - KANAI, T. - KIKKAWA, A. - TAGUCHI, Y. - KISS, T. - ISHIZAKA, K. - ISHII, N. - ITATANI, J. - WATANABE, S. - TOKURA, Y. - SAITOH, T. - SHIN, S. Nonequilibrium electronic and phonon dynamics of Cu0.17Bi2Se3 investigated by core-level and valence-band time-resolved photoemission spectroscopy. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 92, no. 12, 121106., WOS

ADCA612 ŠIFFALOVIČ, Peter - DRESCHER, M. - SPEIWECK, M. - WIESENTHAL, T. - LIM, Y.C. - WEIDNER, R. - ELIZAROV, A. - HEINZMANN, U. Laser-based apparatus for extended ultraviolet femtosecond time-resolved photoemission. In Review of Scientific Instruments, 2001, vol. 72, no. 1, p. 30-35. (1.239 - IF2000). ISSN 0034-6748.

Citácie:

1. [1.1] CHIANG, Cheng-Tien - HUTH, Michael - TRUETZSCHLER, Andreas - SCHUMANN, Frank O. - KIRSCHNER, Juergen - WIDDRA, Wolf. Efficient and tunable high-order harmonic light sources for photoelectron spectroscopy at surfaces. In JOURNAL OF ELECTRON SPECTROSCOPY AND RELATED PHENOMENA. ISSN 0368-2048, 2015, vol. 200, pp. 15., WOS
2. [1.1] OGURI, Katsuya - TSUNOI, Takanobu - KATO, Keiko - NAKANO, Hidetoshi - NISHIKAWA, Tadashi - TATENO, Kouta - SOGAWA, Tetsuomi - GOTOH, Hideki. Dynamical observation of photo-Dember effect on semi-insulating GaAs using femtosecond core-level photoelectron spectroscopy. In APPLIED PHYSICS EXPRESS. ISSN 1882-0778, 2015, vol. 8, no. 2, 022401., WOS

ADCA613 ŠIFFALOVIČ, Peter - MAJKOVÁ, Eva - CHITU, Lívia - JERGEL, Matej - LUBY, Štefan - CAPEK, Ignác - ŠATKA, A. - TIMMANN, A. - ROTH, S.V. Real-time tracking of superparamagnetic nanoparticle self-assembly. In small, 2008, vol. 4, no. 12, p. 2222 - 2228. (6.408 - IF2007). (2008 - Current Contents). ISSN 1613-6810.

Citácie:

1. [1.1] VOROBIEV, A. - KHASSANOV, A. - UKLEEV, V. - SNIGIREVA, I. - KONOVALOV, O. Substantial Difference in Ordering of 10, 15, and 20 nm Iron Oxide Nanoparticles on a Water Surface: In Situ Characterization by the Grazing Incidence X-ray Scattering. In LANGMUIR. ISSN 0743-7463, OCT 27 2015, vol. 31, no. 42, p. 11639-11648., WOS
2. [1.1] ZHANG, D.T. - LU, C.G. - HU, J.Y. - LEE, S.W. - YE, F. - HERMAN, I.P. Small Angle X-ray Scattering of Iron Oxide Nanoparticle Monolayers Formed on

a Liquid Surface. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, MAY 14 2015, vol. 119, no. 19, p. 10727-10733., WOS

ADCA614 ŠIFFALOVIČ, Peter - CHITU, Lívia - MAJKOVÁ, Eva - VÉGSO, Karol - JERGEL, Matej - LUBY, Štefan - CAPEK, Ignác - SATKA, A. - MAIER, G.A. - KECKES, J. - TIMMANN, A. - ROTH, S.V. Kinetics of nanoparticle reassembly mediated by UV-photolysis of surfactant. In Langmuir, 2010, vol. 26, no. 8, p. 5451-5455. (3.898 - IF2009). (2010 - Current Contents). ISSN 0743-7463.

Citácie:

1. [1.1] WANG, Kai - YI, Chao - LIU, Chang - HU, Xiaowen - CHUANG, Steven - GONG, Xiong. Effects of Magnetic Nanoparticles and External Magnetostatic Field on the Bulk Heterojunction Polymer Solar Cells. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2015, vol. 5, 9255., WOS

ADCA615 ŠIFFALOVIČ, Peter - CHITU, Lívia - VÉGSO, Karol - MAJKOVÁ, Eva - JERGEL, Matej - WEIS, Martin Jr. - LUBY, Štefan - CAPEK, Ignác - KECKES, J. - MAIER, G.A. - SATKA, A. - PERLICH, J. - ROTH, S.V. Towards strain gauges based on a self-assembled nanoparticle monolayer- SAXS study. In Nanotechnology, 2010, vol. 21, no. 38, 385702. (3.137 - IF2009). (2010 - Current Contents, WOS, SCOPUS). ISSN 0957-4484.

Citácie:

1. [1.1] JIANG, C.W. - NI, I.C. - TZENG, S.D. - KUO, W. Nearly isotropic piezoresistive response due to charge detour conduction in nanoparticle thin films. In SCIENTIFIC REPORTS. ISSN 2045-2322, JUL 15 2015, vol. 5., 11939., WOS

2. [1.1] LIAO, J.H. - BLOK, S. - VAN DER MOLEN, S.J. - DIEFENBACH, S. - HOLLEITNER, A.W. - SCHONENBERGER, C. - VLADYKA, A. - CALAME, M. Ordered nanoparticle arrays interconnected by molecular linkers: electronic and optoelectronic properties. In CHEMICAL SOCIETY REVIEWS. ISSN 0306-0012, 2015, vol. 44, no. 4, p. 999-1014., WOS

ADCA616 ŠIFFALOVIČ, Peter - MAJKOVÁ, Eva - CHITU, Lívia - JERGEL, Matej - LUBY, Štefan - ŠATKA, A. - ROTH, S.V. Self-assembly of iron oxide nanoparticles studied by time-resolved grazing-incidence small-angle x-ray scattering. In Physical Review B, 2007, vol. 76, no. 19, 195432. (3.107 - IF2006). (2007 - Current Contents, WOS, SCOPUS). ISSN 1550-235X.

Citácie:

1. [1.1] INGHAM, Bridget. X-ray scattering characterisation of nanoparticles. In CRYSTALLOGRAPHY REVIEWS. ISSN 0889-311X, 2015, vol. 21, no. 4, pp. 229., WOS

2. [1.1] VOROBIEV, A. - KHASSANOV, A. - UKLEEV, V. - SNIGIREVA, I. - KONOVALOV, O. Substantial Difference in Ordering of 10, 15, and 20 nm Iron Oxide Nanoparticles on a Water Surface: In Situ Characterization by the Grazing Incidence X-ray Scattering. In LANGMUIR. ISSN 0743-7463, 2015, vol. 31, no. 42, pp. 11639., WOS

ADCA617 ŠKORVÁNEK, Ivan - KOVÁČ, Jozef - MARCIN, Jozef - ŠVEC, Peter - JANIČKOVIČ, Dušan. Magnetocaloric effect in amorphous and nanocrystalline Fe81-xCrxNb7B12 (x = 0 and 3.5) alloys. In Materials Science and Engineering A - Structural Materials Properties Microstructure and Processing, 2007, vol. 449-451, p. 460-463. (1.490 - IF2006). (2007 - Current Contents, WOS, SCOPUS). ISSN 0921-5093.(RQ12 : International Conference on Rapidly Quenched & Metastable Materials).

Citácie:

1. [1.1] CHIRIAC, H. - WHITMORE, L. - GRIGORAS, M. - ABABEI, G. - STOIAN, G. - LUPU, N. Influence of Cr on the nanoclusters formation and

superferromagnetic behavior of Fe-Cr-Nb-B glassy alloys. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2015, vol. 117, no. 17, 17B522., WOS
2. [1.1] LI, Jiawei - LAW, Jia Yan - HUO, Juntao - HE, Aina - MAN, Qikui - CHANG, Chuntao - MEN, He - WANG, Junqiang - WANG, Xinmin - LI, Run-Wei. Magnetocaloric effect of Fe-RE-B-Nb (RE = Tb, Ho or Tm) bulk metallic glasses with high glass-forming ability. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2015, vol. 644, pp. 346-349., WOS
3. [1.1] ZHONG, X. C. - TIAN, H. C. - WANG, S. S. - LIU, Z. W. - ZHENG, Z. G. - ZENG, D. C. Thermal, magnetic and magnetocaloric properties of Fe80-xMxB10Zr9Cu1 (M = Ni, Ta; x=0, 3, 5) amorphous alloys. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2015, vol. 633, pp. 188-193., WOS

ADCA618 ŠKORVÁNEK, Ivan - MARCIN, Jozef - KRENICKÝ, Tibor - KOVÁČ, Jozef - ŠVEC, Peter - JANIČKOVIČ, Dušan. Improved soft magnetic behaviour in field-annealed nanocrystalline Hitperm alloys. In Journal of Magnetism and Magnetic Materials, 2006, vol. 304, no. 2, p. 203-207. (0.985 - IF2005). (2006 - Current Contents, WOS, SCOPUS). ISSN 0304-8853.

Citácie:

1. [1.1] KNIPLING, K. E. - DANIIL, M. - WILLARD, M. A. Nanocrystalline Fe88-2xCoxNixZr7B4Cu1 alloys: Soft magnets for vehicle electrification technologies. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2015, vol. 117, no. 17, 172611., WOS
2. [1.1] LIU, Ming - WANG, Zhi - XU, Yan-chao - YUE, Ming. Effect of magnetic field annealing methods on soft magnetic properties for nanocrystalline (Fe0.5Co0.5)(73.5)Si13.5B9Nb3Cu1 alloy. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2015, vol. 117, no. 17, 17B729., WOS
3. [1.1] MIGLIERINI, M. - PROCHAZKA, V. - RUEFFER, R. - ZBORIL, R. In situ crystallization of metallic glasses during magnetic field annealing. In ACTA MATERIALIA. ISSN 1359-6454, 2015, vol. 91,pp. 50., WOS
4. [1.1] PROCHAZKA, V. - VRBA, V. - SMRCKA, D. - RUEFFER, R. - MATUS, P. - MASLAN, M. - MIGLIERINI, M. B. Structural transformation of NANOPERM-type metallic glasses followed in situ by synchrotron radiation during thermal annealing in external magnetic field. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2015, vol. 638, pp. 398., WOS

ADCA619 ŠKORVÁNEK, Ivan - MARCIN, Jozef - TURČANOVÁ, Jana - KOVÁČ, Jozef - ŠVEC, Peter. Improvement of soft magnetic properties in Fe38Co38Mo8B15Cu amorphous and nanocrystalline alloys by heat treatment in external magnetic field. In Journal of Alloys and Compounds, 2010, vol. 504, supplement 1, p. S135-S138. (2.135 - IF2009). (2010 - Current Contents, WOS, SCOPUS). ISSN 0925-8388.(ISMANAM 2009 : International Symposium on Metastable, Amorphous and Nanostructured Materials).

Citácie:

1. [1.1] LIU, Ming - WANG, Zhi - XU, Yan-Chao. Influence of Magnetic Field Annealing Methods on Soft Magnetic Properties for FeCo-Based Nanocrystalline Alloys. In IEEE TRANSACTIONS ON MAGNETICS. ISSN 0018-9464, 2015, vol. 51, no. 11, art. no. 2004704., WOS
2. [1.1] LIU, Ming - WANG, Zhi - XU, Yan-chao - YUE, Ming. Effect of magnetic field annealing methods on soft magnetic properties for nanocrystalline (Fe0.5Co0.5)(73.5)Si13.5B9Nb3Cu1 alloy. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2015, vol. 117, no. 17, art. no. 17B729., WOS
3. [1.1] MIGLIERINI, M. - PROCHAZKA, V. - RUEFFER, R. - ZBORIL, R. In situ crystallization of metallic glasses during magnetic field annealing. In ACTA

MATERIALIA. ISSN 1359-6454, 2015, vol. 91, pp. 50-56., WOS
4. [1.1] PROCHAZKA, V. - VRBA, V. - SMRCKA, D. - RUEFFER, R. - MATUS, P. - MASLAN, M. - MIGLIERINI, M. B. Structural transformation of NANOPERM-type metallic glasses followed in situ by synchrotron radiation during thermal annealing in external magnetic field. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2015, vol. 638, pp. 398-404., WOS

ADCA620 ŠKORVÁNEK, Ivan - ŠVEC, Peter - MARCIN, Jozef - KOVÁČ, Jozef - KRENICKÝ, Tibor - DEANKO, Martin. Nanocrystalline Cu-free HITPERM alloys with improved soft magnetic properties. In Physica status solidi A. Applied research, 2003, vol. 196, no 1., p. 217-220. (0.979 - IF2002). (2003 - Current Contents, WOS, SCOPUS). ISSN 0031-8965.

Citácie:
1. [1.1] ZHUKOVA, V. - TALAAT, A. - IPATOV, M. - DELVAL, J. J. - BLANCO, J. M. - GONZALEZ-LEGARRETA, L. - HERNANDO, B. - VARGA, R. - KLEIN, P. - CHURYUKANOVA, M. - ZHUKOV, A. Optimization of Soft Magnetic Properties in Nanocrystalline Fe-Rich Glass-Coated Microwires. In JOM. ISSN 1047-4838, 2015, vol. 67, no. 9, pp. 2108., WOS

ADCA621 ŠKORVÁNEK, Ivan - MARCIN, Jozef - TURČANOVÁ, Jana - WÓJCIK, Marek - NESTERUK, K. - JANIČKOVIČ, Dušan - ŠVEC, Peter. Field induced anisotropy and stability of soft magnetic properties towards high temperature in Co-rich nanocrystalline FeCoNbB alloys. In Journal of Magnetism and Magnetic Materials, 2007, vol. 310, no. 2, p. 2494-2496. (1.212 - IF2006). (2007 - Current Contents, WOS, SCOPUS). ISSN 0304-8853.(ICM 2006 : International Conference on Magnetism).

Citácie:
1. [1.1] LIU, Ming - WANG, Zhi - XU, Yan-Chao. Influence of Magnetic Field Annealing Methods on Soft Magnetic Properties for FeCo-Based Nanocrystalline Alloys. In IEEE TRANSACTIONS ON MAGNETICS. ISSN 0018-9464, 2015, vol. 51, no. 11, art. no. 2004704., WOS

ADCA622 ŠVEC, Peter Jr. - ŠVEC, Peter - HOŠKO, Jozef - JANIČKOVIČ, Dušan. Formation of monophase Fe23B6-type alloy via crystallization of amorphous Fe-Ni-Nb-B system. In Journal of Alloys and Compounds, 2014, vol. 590, p. 87-91. (2.726 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 0925-8388.

Citácie:
1. [1.1] GEORGARAKIS, Konstantinos - DUDINA, Dina V. - MALI, Vyacheslav I. - ANISIMOV, Alexander G. - BULINA, Natalia V. - JORGE, Alberto Moreira - YAVARI, Alain R. Crystallization of Fe83B17 amorphous alloy by electric pulses produced by a capacitor discharge. In APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING. ISSN 0947-8396, 2015, vol. 120, no. 4, pp. 1565., WOS

ADCA623 ŠVEC, Peter Jr. - MIGLIERINI, Marcel - DEKAN, Július - TURČANOVÁ, Jana - VLASÁK, Gabriel - ŠKORVÁNEK, Ivan - JANIČKOVIČ, Dušan - ŠVEC, Peter. Influence of structure Evolution on magnetic Properties of Fe-Ni-Nb-B system. In IEEE Transactions on Magnetics, 2010, vol. 46, no. 2, p. 412-415. (1.061 - IF2009). (2010 - Current Contents, WOS, SCOPUS). ISSN 0018-9464.(SMM 19 : International Conference on Soft Magnetic Materials).

Citácie:
1. [1.1] PETRIE, J. R. - WIELAND, K. A. - TIMMERWILKE, J. M. - BARRON, S. C. - BURKE, R. A. - NEWBURGH, G. A. - BURNETTE, J. E. - FISCHER, G. A. - EDELSTEIN, A. S. A multi-state magnetic memory dependent on the permeability of Metglas. In APPLIED PHYSICS LETTERS. ISSN 0003-6951, 2015, vol. 106, no. 14, 142403., WOS

ADCA624 ŤAPAJNA, Milan - PÍSEČNÝ, Pavol - LUPTÁK, Roman - HUŠEKOVÁ, Kristína - FRÖHLICH, Karol - HARMATHA, L. - HOOKER, J.C. - ROOZEBOOM, F. - JERGEL, Matej. Application of Ru-based gate materials for CMOS technology. In Materials science in semiconductor processing, 2004, vol. 7, p. 271-276.

Citácie:

1. [1.1] NOMURA, K. - KONDO, Y. - KAWAE, T. - MORIMOTO, A. In ECS SOLID STATE LETTERS. 2015, vol. 4, no. 5, p. N1-N4., WOS

2. [1.1] ZHANG, H.X. - ZHANG, C.M. - WANG, P.F. In 2015 China Semiconductor Technology International Conference. 2015, CSTIC 2015 7153392, WOS

ADCA625 TER-AKOPIAN, G.M. - DANIEL, A.V. - FOMICHEV, A.S. - POPEKO, G.S. - RODIN, A.M. - OGANESSIAN, Y.T. - HAMILTON, J.H. - RAMAYYA, A.V. - KORMICKI, J. - HWANG, J.K. - FONG, D. - GORE, P. - COLE, J.D. - JANDEL, A. - KLIMAN, Ján - KRUPA, Ľuboš - RASMUSSEN, J.O. - LEE, IY. - MACCHAVELLI, A.O. - FALLON, P. - STOYER, A.A. - DONANGELO, R. - WU, S.C. - GREINER, W. New data on the ternary fission of Cf-252 from the gammasphere facility. In Physics of Atomic Nuclei, 2004, vol. 67, no. 10, p. 1860-1865. ISSN 1063-7788.

Citácie:

1. [1.1] SANTHOSH, K. P. - KRISHNAN, Sreejith - PRIYANKA, B. Isotopic yield in alpha accompanied ternary fission of Cf-252. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS. ISSN 0218-3013, 2015, vol. 24, no. 1, 1550001., WOS

ADCA626 TER AKOPIAN, G.M. - HAMILTON, J.H. - OGANESSIAN, Yu.Ts. - KORMICKI, J. - POPEKO, G.S. - DANIEL, A.V. - RAMAYYA, A.V. - LU, Q. - BUTLER-MOORE, K. - MA, W.C. - DENG, J.K. - SHI, D. - KLIMAN, Ján - POLHORSKÝ, V. - MORHÁČ, Miroslav - GREINER, W. - SANDELESCU, A. - DOLE, J.D. - ARYAEINEJAD, R. - JOHNSON, N.R. - LEE, I.Y. - MCGOWAN, F.K. Neutron multiplicities and yields of correlated Zr-Ce and Mo-Ba fragment pairs in spontaneous fission of 252Cf. In Physical Review Letters, 1994, vol. 73, no. 11, p. 1477-1480.

Citácie:

1. [1.1] MATERNA, T. - LETOURNEAU, A. - AMOUROUX, Ch. - MARCHIX, A. - LITAIZE, O. - SEROT, O. - REGNIER, D. - BLANC, A. - JENTSCHEL, M. - KOESTER, U. - MUTTI, P. - SOLDNER, T. - SIMPSON, G. - LEONI, S. - DE FRANCE, G. - URBAN, W. Fission studies by prompt gamma-ray spectrometry. In EPJ Web of Conferences, 2015, vol. 93, 02020., WOS

ADCA627 TER-AKOPIAN, G.M. - HAMILTON, J.H. - OGANESSIAN, Yu.Ts. - DANIEL, A.V. - KORMICKI, J. - RAMAYYA, A.V. - POPEKO, G.S. - BABU, B.R.S. - LU, Q.-H. - BUTLER-MOORE, K. - MA, W.C. - CWIOK, S. - NAZAREWICZ, W. - DENG, J.K. - SHI, D. - KLIMAN, Ján - MORHÁČ, Miroslav - COLE, J.D. - ARYAEINEJAD, R. - JOHNSON, N.R. - LEE, I.Y. - MCGOWAN, F.K. - SALADIN, J.X. New spontaneous fission mode for 252Cf: Indication of hyperdeformed 144, 145, 146Ba at Scission. In Physical Review Letters, 1996, vol. 77, no. 1, p. 32-35.

Citácie:

1. [1.1] MOELLER, Peter - SIERK, Arnold J. - ICHIKAWA, Takatoshi - IWAMOTO, Akira - MUMPOWER, Matthew. Fission barriers at the end of the chart of the nuclides. In PHYSICAL REVIEW C. ISSN 2469-9985, 2015, vol. 91, no. 2, 024310., WOS

ADCA628 TINO, J. - KRIŠTIAK, Jozef - HLOUSKOVA, Z. - ŠAUŠA, Ondrej. Positron-annihilation studies of polyethylene filled with ultrasil. In European

Polymer Journal, 1993, vol. 29, no. 1, p. 95-97. (0.834 - IF1992). (1993 - Current Contents). ISSN 0014-3057.

Citácie:

1. [1.1] ISMAIL, A. M. - MAHMOUD, K. R. - ABD-EL SALAM, M. H. Electrical conductivity and positron annihilation characteristics of ternary silicone rubber/carbon black/TiB2 nanocomposites. In POLYMER TESTING. ISSN 0142-9418, 2015, vol. 48, pp. 37-43., WOS

ADCA629 TIŇO, Jozef - KRIŠTIAK, Jozef - HLOUŠKOVÁ, Zuzana - ŠAUŠA, Ondrej. Positron-annihilation studies of polyethylene filled with ultrasil. In European Polymer Journal, 1993, vol. 29, iss. 1, p. 95-97. (0.834 - IF1992). (1993 - Current Contents). ISSN 0014-3057.

Citácie:

1. [1.1] ISMAIL, A.M. - MAHMOUD, K.R. - ABD-EL SALAM, M.H. Electrical conductivity and positron annihilation characteristics of ternary silicone rubber/carbon black/TiB2 nanocomposites. In POLYMER TESTING. ISSN 0142-9418, DEC 2015, vol. 48, p. 37-43., WOS

ADCA630 TOMASI-GUSTAVSSON, E. - GAKH, G.I. - ADAMUŠČIN, Cyril. Two-component model for the deuteron electromagnetic structure. In Physical Review C, 2006, vol. 73, no. 4, 045204.

Citácie:

1. [1.1] LIANG CUI-YING - DONG YU-BING. Deuteron form factors in a phenomenological approach. In CHINESE PHYSICS C. ISSN 1674-1137, 2015, vol. 39, no. 10, 104104., WOS

ADCA631 TRAVĚNEC, Igor. Solvability of the two-photon Rabi Hamiltonian. In Physical Review A, 2012, vol. 85, no. 4, 043805. (2.878 - IF2011). (2012 - Current Contents). ISSN 1050-2947.

Citácie:

1. [1.1] DUAN, Liwei - HE, Shu - BRAAK, Daniel - CHEN, Qing-Hu. Solution of the two-mode quantum Rabi model using extended squeezed states. In EPL. ISSN 0295-5075, 2015, vol. 112, no. 3, 34003., WOS

2. [1.1] DUAN, Liwei - HE, Shu - CHEN, Qing-Hu. Concise analytic solutions to the quantum Rabi model with two arbitrary qubits. In ANNALS OF PHYSICS. ISSN 0003-4916, 2015, vol. 355, pp. 121-129., WOS

3. [1.1] FELICETTI, S. - PEDERNALES, J. S. - EGUSQUIZA, I. L. - ROMERO, G. - LAMATA, L. - BRAAK, D. - SOLANO, E. Spectral collapse via two-phonon interactions in trapped ions. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 92, no. 3, 033817., WOS

4. [1.1] MACIEJEWSKI, Andrzej J. - PRZYBYLSKA, Maria - STACHOWIAK, Tomasz. Comment on "Solvability of the two-photon Rabi Hamiltonian". In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 91, no. 3, 037801., WOS

5. [1.1] PENG, Jie - REN, Zhongzhou - YANG, Haitao - GUO, Guangjie - ZHANG, Xin - JU, Guoxing - GUO, Xiaoyong - DENG, Chaosheng - HAO, Guolin. Algebraic structure of the two-qubit quantum Rabi model and its solvability using Bogoliubov operators. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2015, vol. 48, no. 28, 285301., WOS

ADCA632 TRAVĚNEC, Igor. Reply to "Comment on Solvability of the two-photon Rabi Hamiltonian". In Physical Review A, 2015, vol. 91, 037802. (2.808 - IF2014). (2015 - Current Contents, WOS, SCOPUS). ISSN 1050-2947.

Citácie:

1. [1.1] FELICETTI, S. - PEDERNALES, J. S. - EGUSQUIZA, I. L. - ROMERO, G. - LAMATA, L. - BRAAK, D. - SOLANO, E. Spectral collapse via two-phonon

interactions in trapped ions. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 92, no. 3, 033817., WOS

ADCA633 TREJO-LUNA, R. - DE LA VEGA, L.R. - RICKARDS, J. - JERGEL, Matej. 9 MeV au ion implantation into Ti and Ti-6Al-4V. In Journal of Materials Science, 2001, vol. 36, no. 2, p. 503-510. (0.701 - IF2000). (2001 - Current Contents). ISSN 0022-2461.

Citácie:

1. [1.1] DURACCIO, Donatella - MUSSANO, Federico - FAGA, Maria Giulia. Biomaterials for dental implants: current and future trends. In JOURNAL OF MATERIALS SCIENCE. ISSN 0022-2461, 2015, vol. 50, no. 14, pp. 4779-4812., WOS

2. [1.1] LOPEZ-SUAREZ, Alejandra - TORRES-TORRES, Carlos - CAN-UC, Bonifacio - RANGEL-ROJO, Raul - VALENCIA, Carlos E. - OLIVER, Alicia. Third-order nonlinear optical properties exhibited by a bilayer configuration of silver nanoparticles integrated to silicon nanocrystals embedded in ion-implanted silica. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS. ISSN 0740-3224, 2015, vol. 32, no. 5, pp. 805-811., WOS

3. [1.1] TORRES-TORRES, C. - LOPEZ-SUAREZ, A. - CAN-UC, B. - RANGEL-ROJO, R. - TAMAYO-RIVERA, L. - OLIVER, A. Collective optical Kerr effect exhibited by an integrated configuration of silicon quantum dots and gold nanoparticles embedded in ion-implanted silica. In NANOTECHNOLOGY. ISSN 0957-4484, 2015, vol. 26, no. 29, 295701., WOS

ADCA634 TURANSKÝ, Robert - KONÔPKA, M. - DOLTSINIS, N.L. - ŠTICH, Ivan - MARX, D. Switching of functionalized azobenzene suspended between gold tips by mechanochemical, photochemical and opto-mechanical means. In Physical Chemistry Chemical Physics, 2010, vol. 12, no. 42, p. 13922-13932. (4.116 - IF2009). (2010 - Current Contents). ISSN 1463-9076.

Citácie:

1. [1.1] ANGELINI, Guido - CANILHO, Nadia - EMO, Melanie - KINGSLEY, Molly - GASBARRI, Carla. Role of Solvent and Effect of Substituent on Azobenzene Isomerization by Using Room-Temperature Ionic Liquids as Reaction Media. In JOURNAL OF ORGANIC CHEMISTRY. ISSN 0022-3263, 2015, vol. 80, no. 15, pp. 7430-7434., WOS

2. [1.1] KLAIMAN, Shachar - CEDERBAUM, Lorenz S. Barrierless Single-Electron-Induced cis-trans Isomerization. In ANGEWANDTE CHEMIE-INTERNATIONAL EDITION. ISSN 1433-7851, 2015, vol. 54, no. 36, pp. 10470-10473., WOS

3. [1.1] KOSTYRKO, T. - SLUSARSKI, T. Adsorption of a metalorganic complex at a metal surface: A density functional theory study vs. model description. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2015, vol. 117, no. 3, 034302., WOS

4. [1.1] RIVERO, Daniel - VALENTINI, Alessio - ANGEL FERNANDEZ-GONZALEZ, Miguel - ZAPATA, Felipe - GARCIA-IRIEPA, Cristina - SAMPEDRO, Diego - PALMEIRO, Raul - MANUEL FRUTOS, Luis. Mechanical Forces Alter Conical Intersections Topology. In JOURNAL OF CHEMICAL THEORY AND COMPUTATION. ISSN 1549-9618, 2015, vol. 11, no. 8, pp. 3740-3745., WOS

5. [1.1] SADLEJ-SOSNOWSKA, Nina. Switching properties of Li-benzene complexes in a uniform electric field: a case where a "small'' change makes a big difference. In PHYSICAL CHEMISTRY CHEMICAL PHYSICS. ISSN 1463-9076, 2015, vol. 17, no. 37, pp. 23716-23719., WOS

6. [1.1] TALLARIDA, Nicholas - RIOS, Laura - APKARIAN, Vartkess A. - LEE,

Joonhee. Isomerization of One Molecule Observed through Tip-Enhanced Raman Spectroscopy. In NANO LETTERS. ISSN 1530-6984, 2015, vol. 15, no. 10, pp. 6386-6394., WOS

ADCA635 TURANSKÝ, Robert - KONÔPKA, M. - DOLTSINIS, N.L. - ŠTICH, Ivan - MARX, D. Optical, mechanical and opto- mechanical switching of anchored dithioazobenzene bridges. In ChemPhysChem : A European Journal of Chemical and Physical Chemistry, 2010, vol. 11, no. 2, p. 345-348. (3.453 - IF2009). ISSN 1439-7641.

Citácie:

1. [1.1] RIVERO, Daniel - VALENTINI, Alessio - ANGEL FERNANDEZ-GONZALEZ, Miguel - ZAPATA, Felipe - GARCIA-IRIEPA, Cristina - SAMPEDRO, Diego - PALMEIRO, Raul - MANUEL FRUTOS, Luis. Mechanical Forces Alter Conical Intersections Topology. In JOURNAL OF CHEMICAL THEORY AND COMPUTATION. ISSN 1549-9618, 2015, vol. 11, no. 8, pp. 3740-3745., WOS

2. [1.1] SIRBULY, Donald J. - FRIDDLE, Raymond W. - VILLANUEVA, Joshua - HUANG, Qian. Nanomechanical force transducers for biomolecular and intracellular measurements: is there room to shrink and why do it? In REPORTS ON PROGRESS IN PHYSICS. ISSN 0034-4885, 2015, vol. 78, no. 2, 024101., WOS

ADCA636 UEDA, K. - NISHINO, T. - OKUNISHI, K. - HIEIDA, Y. - DERIAN, René - GENDIAR, Andrej. Product wave function renormalization group: Construction from the matrix product point of view. In Journal of Physical Society of Japan, 2006, vol. 75, 014003.

Citácie:

1. [1.1] PFEIFER, R.N.C. In PHYSICAL REVIEW B. NOV 23 2015, vol. 92, no. 20., WOS

ADCA637 VARGA, M. - KOTLAR, M. - VRETENÁR, Viliam - IZAK, T. - LEDINSKY, M. - MICHALKA, M. - SKAKALOVA, V. - KROMKA, A. - VESELY, M. HFCVD growth of various carbon nanostructures on SWCNT paper controlled by surface treatment. In Physica Status Solidi B, 2012, vol. 249, no. 12, p. 2399-2403. (1.316 - IF2011). (2012 - Current Contents). ISSN 0370-1972.

Citácie:

1. [1.1] BO, Zheng - YANG, Huachao - LV, Peng - QIAN, Jiajing - YU, Kehan - LU, Ganhua - WEI, Wei - YAN, Jianhua - CEN, Kefa. Covalently interconnected carbon nanotubes for enhanced charge transport in pseudocapacitors. In PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS. ISSN 0370-1972, 2015, vol. 252, no. 10, pp. 2236., WOS

2. [1.1] CINKOVA, K. - ZBOJEKOVA, N. - VOJS, M. - MARTON, M. - SAMPHAO, A. - SVORC, L. Electroanalytical application of a boron-doped diamond electrode for sensitive voltammetric determination of theophylline in pharmaceutical dosages and human urine. In ANALYTICAL METHODS. ISSN 1759-9660, 2015, vol. 7, no. 16, pp. 6755., WOS

ADCA638 VÉGSO, Karol - ŠIFFALOVIČ, Peter - JERGEL, Matej - WEIS, Martin Jr. - BENKOVIČOVÁ, Monika - MAJKOVÁ, Eva - LUBY, Štefan - KOCSIS, Teodora - CAPEK, Ignác. Silver nanoparticle monolayer-to-Bilayer transition at the air/water interface as studied by the GISAXS technique: Application of a new paracrystal model. In Langmuir, 2012, vol. 28, no. 25, p. 9395-9404. (4.186 - IF2011). (2012 - Current Contents). ISSN 0743-7463.

Citácie:

1. [1.1] JIANG, Zhang - HE, Jinbo - DESHMUKH, Sanket A. - KANJANABOOS, Pongsakorn - KAMATH, Ganesh - WANG, Yifan - SANKARANARAYANAN,

Subramanian K. R. S. - WANG, Jin - JAEGER, Heinrich M. - LIN, Xiao-Min. Subnanometre ligand-shell asymmetry leads to Janus-like nanoparticle membranes. In NATURE MATERIALS. ISSN 1476-1122, 2015, vol. 14, no. 9, pp. 912-+., WOS

2. [1.1] STANLEY, Jacob - BOUCHERON, Leandra - LIN, Binhua - MERON, Mati - SHPYRKO, Oleg. Spontaneous phase separation during self-assembly in bi-dispersed spherical iron oxide nanoparticle monolayers. In APPLIED PHYSICS LETTERS. ISSN 0003-6951, 2015, vol. 106, no. 16, 161602., WOS

ADCA639 VENHART, Martin - HESSBERGER, F.P. - ACKERMANN, D. - ANTALIC, S. - GRAY-JONES, C. - GREENLEES, P.T. - HEINZ, S. - HERZBERG, R.D. - HOFMANN, S. - KETELHUT, S. - KINDLER, B. - KOJOUHAROV, I. - LEINO, M. - LOMMEL, B. - MANN, R. - PAPADAKIS, P. - ROSTRON, D. - RUDOLPH, D. - SARO, S. - SULIGNANO, B. Decay study of (246)Fm at SHIP. In European Physical Journal A, 2011, vol. 47, no. 2, 20. (2.592 - IF2010). (2011 - Current Contents). ISSN 1434-6001.

Citácie:

1. [1.1] NI, Dongdong - REN, Zhongzhou. Systematic research on alpha-decay rates of spherical and deformed nuclei. In ANNALS OF PHYSICS. ISSN 0003-4916, 2015, vol. 358, pp. 108., WOS

ADCA640 VESELSKÝ, Martin - SOULIOTIS, G.A. Effect of nuclear periphery on nucleon transfer in peripheral collisions. In Nuclear Physics A, 2006, vol. 765, no. 1-2, p. 252-261. (1.950 - IF2005). (2006 - Current Contents, WOS, SCOPUS). ISSN 0375-9474.

Citácie:

1. [1.1] ZHANG, X. H. Production of fragments with more neutrons than the projectile at intermediate energies. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 91, no. 3, 037602., WOS

ADCA641 VESELSKÝ, Martin - SOULIOTIS, G.A. - YENNELLO, S.J. Isoscaling in peripheral nuclear collisions around the Fermi energy and a signal of chemical separation from its excitation energy dependence. In Physical Review C. Nuclear physics, 2004, vol. 69, no. 3, 031602. (2.708 - IF2003). (2004 - Current Contents, SCOPUS). ISSN 2469-9985.

Citácie:

1. [1.1] DAI, Z. T. - FANG, D. Q. - MA, Y. G. - CAO, X. G. - ZHANG, G. Q. - SHEN, W. Q. Effect of neutron skin thickness on projectile fragmentation. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 91, no. 3, 034618., WOS

ADCA642 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, 024308. (3.308 - IF2011). (2012 - Current Contents, WOS, SCOPUS). ISSN 2469-9985.

Citácie:

1. [1.1] GHYS, L. - ANDREYEV, A. N. - ANTALIC, S. - HUYSE, M. - VAN DUPPEN, P. Empirical description of beta-delayed fission partial half-lives. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 91, no. 4, 044314., WOS

2. [1.1] MOELLER, Peter - SIERK, Arnold J. - ICHIKAWA, Takatoshi - IWAMOTO, Akira - MUMPOWER, Matthew. Fission barriers at the end of the chart of the nuclides. In PHYSICAL REVIEW C. ISSN 2469-9985, 2015, vol. 91, no. 2, 024310., WOS

ADCA643 VLASÁK, Gabriel - ŠVEC, Peter - JANIČKOVIČ, Dušan. Magnetostriction as important quantity in transformations of Fe73.5-xNixCu1Nb3Si13.5B9 finemets into nanocrystalline phases. In Materials Sciences and Engineering A, 2004, vol.

375-377, p. 1149-1152.

Citácie:

1. [1.1] BAYRI, N. - ATALAY, S. - KOLAT, V. S. - IZGI, T. - SOVAK, P. Study of nanocrystallization process in FeCrCuNbSiB amorphous alloys by Young's modulus measurements. In JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS. ISSN 1454-4164, 2015, vol. 17, no. 9-10, pp. 1372., WOS

ADCA644 VLASÁK, Gabriel - CONDE, C.F. - JANIČKOVIČ, Dušan - ŠVEC, Peter. Magnetostriction measurements of (Fe-Co)-Mo-Cu-B alloys with varying atomic Fe/Co ratio. In Materials Science and Engineering A - Structural Materials Properties Microstructure and Processing, 2007, vol. 449, p. 464-467. (1.490 - IF2006). (2007 - Current Contents, WOS, SCOPUS). ISSN 0921-5093.

Citácie:

1. [1.1] MIGLIERINI, Marcel - PAVLOVIC, Marius - PROCHAZKA, Vit - HATALA, Tomas - SCHUMACHER, Gerhard - RUEFFER, Rudolf. Evolution of structure and local magnetic fields during crystallization of HITPERM glassy alloys studied by in situ diffraction and nuclear forward scattering of synchrotron radiation. In PHYSICAL CHEMISTRY CHEMICAL PHYSICS. ISSN 1463-9076, 2015, vol. 17, no. 42, pp. 28239., WOS

ADCA645 VLASÁK, Gabriel - KACZKOWSKI, Z. - ŠVEC, Peter - DUHAJ, Pavol. Influence of heat treatment on magnetostrictions of Finement. In Materials Science and Engineering A, 1997, vol. 226, p. 749-752. (0.852 - IF1996). (1997 - Current Contents, WOS, SCOPUS). ISSN 0921-5093.

Citácie:

1. [1.1] LVOV, Victor A. - KOSOGOR, Anna - BARANDIARAN, Jose M. - CHERNENKO, Volodymyr A. Influence of aging and thermomechanical cycling on the magnetostriction and magnetic shape memory effect in martensitic alloy. In JOURNAL OF PHYSICS D-APPLIED PHYSICS. ISSN 0022-3727, 2015, vol. 48, no. 39, 395002., WOS

ADCA646 VLASÁK, Gabriel - ŠVEC, Peter - KUZMINSKI, M. - SLAWSKA-WANIEWSKA, A. - BUTVINOVÁ, Beata - BUTVIN, Pavol - HOŠKO, Jozef. Evolution of physical properties of amorphous Fe-Ni-Nb-B alloys with different Ni/Fe ratio upon thermal treatment. In Journal of Alloys and Compounds, 2011, vol. 509, supplement 1, s64-S68. (2.138 - IF2010). (2011 - Current Contents). ISSN 0925-8388.

Citácie:

1. [1.1] SINHA, A. K. - SINGH, M. N. - UPADHYAY, Anuj - SATALKAR, M. - SHAH, M. - GHODKE, N. - KANE, S. N. - VARGA, L. K. A correlation between the magnetic and structural properties of isochronally annealed Cu-free FINEMET alloy with composition Fe72B19.2Si4.8Nb4. In APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING. ISSN 0947-8396, 2015, vol. 118, no. 1, pp. 291-299., WOS

ADCA647 WEIS, Martin Jr. - GMUCOVÁ, Katarína - NÁDAŽDY, Vojtech - MAJKOVÁ, Eva - HAŠKO, D. - TAGUCHI, D. - MANAKA, T. - IWAMOTO, M. Grain boundary effect on charge transport in pentacene thin films. In Japanese Journal of Applied Physics, 2011, vol. 50, no. 4, 04DK03. (1.018 - IF2010). (2011 - Current Contents). ISSN 0021-4922.

Citácie:

1. [1.1] BASHIR, Asif - HECK, Alexander - NARITA, Akimitsu - FENG, Xinliang - NEFEDOV, Alexei - ROHWERDER, Michael - MUELLEN, Klaus - ELSTNER, Marcus - WOELL, Christof. Charge carrier mobilities in organic semiconductors: crystal engineering and the importance of molecular contacts. In PHYSICAL CHEMISTRY CHEMICAL PHYSICS. ISSN 1463-9076, 2015, vol. 17, no. 34, pp.

21988-21996., WOS

ADCA648 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.

Citácie:

1. [1.1] KIM, Min-Su - KANG, Youn-Bae. Thermodynamic Modeling of the Fe-Mn-C and the Fe-Mn-Al Systems Using the Modified Quasichemical Model for Liquid Phase. In JOURNAL OF PHASE EQUILIBRIA AND DIFFUSION. ISSN 1547-7037, 2015, vol. 36, no. 5, pp. 453., WOS

ADCA649 WIDOM, M. - MIHALKOVIČ, Marek. Symmetry-broken crystal structure of elemental boron at low temperature. In Physical Review B, 2008, vol. 77, no. 6, 064113. (3.172 - IF2007). (2008 - Current Contents, WOS, SCOPUS). ISSN 1550-235X.

Citácie:

1. [1.1] HAYAMI, Wataru. Structural stability and electronic properties of beta-tetragonal boron: A first-principles study. In JOURNAL OF SOLID STATE CHEMISTRY. ISSN 0022-4596, 2015, vol. 221, pp. 378., WOS

2. [1.1] LECH, Andrew T. - TURNER, Christopher L. - MOHAMMADI, Reza - TOLBERT, Sarah H. - KANER, Richard B. Structure of superhard tungsten tetraboride: A missing link between MB2 and MB12 higher borides. In PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA. ISSN 0027-8424, 2015, vol. 112, no. 11, pp. 3223., WOS

3. [1.1] WHITE, Mary Anne - CERQUEIRA, Anthony B. - WHITMAN, Catherine A. - JOHNSON, Michel B. - OGITSU, Tadashi. Determination of Phase Stability of Elemental Boron. In ANGEWANDTE CHEMIE-INTERNATIONAL EDITION. ISSN 1433-7851, 2015, vol. 54, no. 12, pp. 3626., WOS

4. [1.1] ZHU, Zhen - KWON, Dae-Gyeon - KWON, Young-Kyun - TOMANEK, David. Enhancing mechanical toughness of aluminum surfaces by nano-boron implantation: An ab initio study. In CHEMICAL PHYSICS LETTERS. ISSN 0009-2614, 2015, vol. 620, pp. 25-28., WOS

ADCA650 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.

Citácie:

1. [1.1] AL-RAJHI, M. A. - ABDEL-KHALEK, S. Generalized Heisenberg Algebra Coherent States for Nonharmonic Oscillators. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2015, vol. 54, no. 5, pp. 1470., WOS

2. [1.1] AL-RAJHI, M. A. Photon added coherent states for nonharmonic oscillators in a nonlinear Kerr medium. In MODERN PHYSICS LETTERS B. ISSN 0217-9849, 2015, vol. 29, no. 10, 1550035., WOS

3. [1.1] VAMEGH, S. A. L. Modares - TAVASSOLY, M. K. NONCLASSICALITY OF NEW CLASS OF STATES PRODUCED BY SUPERPOSITION OF TWO NONLINEAR SQUEEZED STATES WITH RESPECTIVE PHASE phi. In REPORTS ON MATHEMATICAL PHYSICS. ISSN 0034-4877, 2015, vol. 75, no. 2, pp. 149., WOS

4. [1.1] ZHANG, Yang - ZHANG, Jun - WU, Shao-Xiong - YU, Chang-Shui. The multistability in the coupled semiconductor microcavities. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION. ISSN 0219-7499, 2015, vol. 13, no. 7, 1550053., WOS

5. [1.1] ZHANG, Yang - ZHANG, Jun - WU, Shao-xiong - YU, Chang-shui. The

effect of center-of-mass motion on photon statistics. In ANNALS OF PHYSICS. ISSN 0003-4916, 2015, vol. 361, pp. 563., WOS

ADCA651 WOCJAN, P. - CHIANG, Chen-Fu - ABEYESINGHE, A. - NAGAJ, Daniel. Quantum algorithm for approximating partition functions. In Physical Review A, 2009, vol. 80, 022340. ISSN 1050-2947.

Citácie:

1. [1.1] MONTANARO, Ashley. Quantum speedup of Monte Carlo methods. In PROCEEDINGS OF THE ROYAL SOCIETY A-MATHEMATICAL PHYSICAL AND ENGINEERING SCIENCES. ISSN 1364-5021, 2015, vol. 471, no. 2181, 20150301., WOS

ADCA652 WÓJCIK, Marek - JĘDRYKA, Eva - ŠKORVÁNEK, Ivan - MARCIN, Jozef - ŠVEC, Peter. 59Co NMR Study of Nanocrystallization Process in Co – Rich HITPERM (Fe0.25Co0.75)81Nb7B12 alloy. In Journal of Magnetism and Magnetic Materials, 2006, vol. 304, no. 2, p. e712e-e714. (0.985 - IF2005). (2006 - Current Contents, WOS, SCOPUS). ISSN 0304-8853.(SMM 17 : Soft Magnetic Materials Conference).

Citácie:

1. [1.1] KOHOUT, Jaroslav - KRISTAN, Petr - KUBANIOVA, Denisa - KMJEC, Tomas - ZAVETA, Karel - STEPANKOVA, Helena - LANCOK, Adriana - SKLENKA, L'ubomir - MATUS, Peter - MIGLIERINI, Marcel Bruno. Low temperature behavior of hyperfine fields in amorphous and nanocrystalline FeMoCuB. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2015, vol. 117, no. 17, art. no. 17B718., WOS

ADCA653 ZHU, S.J. - HAMILTON, J.H. - RAMAYYA, A.V. - JONES, E.F. - HWANG, J.K. - WANG, M.G. - ZHANG, X.Q. - GORE, P.M. - PEKER, L.K. - DRAFTA, G. - BABU, B.R.S. - MA, W.C. - LONG, G.L. - ZHU, L.Y. - GAN, C.Y. - YANG, L.M. - SAKHAEE, M. - LI, H. - DENG, J.K. - GINTER, T.N. - BEYER, C.J. - KORMICKI, J. - COLE, J.D. - ARYAEINEJAD, R. - DRIGERT, M.W. - RASMUSSEN, J.O. - ASZTALOS, S. - LEE, I.Y. - MACCHIAVELLI, A.O. - CHU, S.Y. - GREFORICH, K.E. - MOHAR, M.F. - TER-AKOPIAN, G.M. - DANIEL, A.V. - OGANESSIAN, Y.T. - DONANGELO, R. - STOYER, M.A. - LOUGHEED, R.W. - MOODY, K.J. - WILD, J.F. - PRUSSIN, S.G. - KLIMAN, Ján - GRIFFIN, H.C. Octupole correlations in neutron-rich Ba-143, Ba-145 and a type of superdeformed band in Ba-145. In Physical Review C, 1999, vol. 60, no. 5, 051304. (1999 - Current Contents, SCOPUS). ISSN 2469-9985.

Citácie:

1. [1.1] CHEN YONG-JING - CHEN YONG-SHOU - GAO ZAO-CHUN - TU YA. The octupole deformation of Ba-143. In INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS. ISSN 0218-3013, 2015, vol. 24, no. 11, 1550081., WOS

2. [1.1] CHEN, Yong-Jing - GAO, Zao-Chun - CHEN, Yong-Shou - TU, Ya. Octupole bands and simplex inversion in the neutron-rich nucleus Ba-145. In PHYSICAL REVIEW C. ISSN 0556-2813, 2015, vol. 91, no. 1, 014217., WOS

3. [1.1] WANG, Hua-Lei - YANG, Jie - LIU, Min-Liang - XU, Fu-Rong. Evolution of ground-state quadrupole and octupole stiffnesses in even-even barium isotopes. In PHYSICAL REVIEW C. ISSN 2469-9985, 2015, vol. 92, no. 2, 024303., WOS

ADCA654 ZIEGLER, K. - KOGAN, E. - MAJERNÍKOVÁ, Eva - SHPYRKO, S. Ising instability of a Holstein phonon mode in graphene. In Physical Review B, 2011, vol. 84, no. 7, 073407. (3.774 - IF2010). (2011 - Current Contents, WOS, SCOPUS). ISSN 1550-235X.

Citácie:

1. [1.1] POLITANO, Antonio - DE JUAN, Fernando - CHIARELLO, Gennaro -

FERTIG, Herbert A. Emergence of an Out-of-Plane Optical Phonon (ZO) Kohn Anomaly in Quasifreestanding Epitaxial Graphene. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 115, no. 7, 075504., WOS

ADCA655 ZIMAN, Mário - HEINOSAARI, Teiko. Discrimination of quantum observables using limited resources. In Physical Review A, 2008, vol. 77, no. 4, 042321. (2.893 - IF2007). (2008 - Current Contents). ISSN 1050-2947.

Citácie:

1. [1.1] CAO, Tian-Qing - GAO, Fei - ZHANG, Zhi-Chao - YANG, Ying-Hui - WEN, Qiao-Yan. Perfect discrimination of projective measurements with the rank of all projectors being one. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2015, vol. 14, no. 7, pp. 2645., WOS

ADCA656 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.

Citácie:

1. [1.1] BENENTI, Giuliano - STRINI, Giuliano. Dynamical Casimir effect and minimal temperature in quantum thermodynamics. In PHYSICAL REVIEW A. ISSN 2469-9926, 2015, vol. 91, no. 2, 020502., WOS

2. [1.1] JIN, Jiasen - GIOVANNETTI, Vittorio - FAZIO, Rosario - SCIARRINO, Fabio - MATALONI, Paolo - CRESPI, Andrea - OSELLAME, Roberto. All-optical non-Markovian stroboscopic quantum simulator. In PHYSICAL REVIEW A. ISSN 2469-9926, 2015, vol. 91, no. 1, 012122., WOS

3. [1.1] LORENZO, S. - MCCLOSKEY, R. - CICCARELLO, F. - PATERNOSTRO, M. - PALMA, G. M. Landauer's Principle in Multipartite Open Quantum System Dynamics. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2015, vol. 115, no. 12, 120403., WOS

ADCA657 ZIMAN, Mário - BUŽEK, Vladimír. Correlation-assisted quantum communication. In Physical Review A, 2003, vol. 67, no. 4, 042321. ISSN 1050-2947.

Citácie:

1. [1.1] DAS, Tamoghna - PRABHU, R. - SEN DE, Aditi - SEN, Ujjwal. Distributed quantum dense coding with two receivers in noisy environments. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 92, no. 5, 052330., WOS

2. [1.1] SADHUKHAN, Debasis - ROY, Sudipto Singha - RAKSHIT, Debraj - SEN (DE), Aditi - SEN, Ujjwal. Beating no-go theorems by engineering defects in quantum spin models. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2015, vol. 17, 043013., WOS

3. [1.1] WANG, Xin - QIU, Liang - LI, Song - ZHANG, Chi - YE, Bin. Relating quantum discord with the quantum dense coding capacity. In JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS. ISSN 1063-7761, 2015, vol. 120, no. 1, pp. 9., WOS

4. [1.1] WANG, Xin - QIU, Liang. A quantifier of genuine multipartite quantum correlations and its dynamics. In PHYSICA SCRIPTA. ISSN 0031-8949, 2015, vol. 90, no. 3, pp., WOS

ADCA658 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.

Citácie:

1. [1.1] BENENTI, Giuliano - STRINI, Giuliano. Dynamical Casimir effect and minimal temperature in quantum thermodynamics. In PHYSICAL REVIEW A. ISSN 2469-9926, 2015, vol. 91, no. 2, 020502., WOS

2. [1.1] JEONG, Kabgyun - KIM, Jaewan. Secure sequential transmission of

quantum information. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2015, vol. 14, no. 9, pp. 3523., WOS
3. [1.1] JIN, Jiasen - GIOVANNETTI, Vittorio - FAZIO, Rosario - SCIARRINO, Fabio - MATALONI, Paolo - CRESPI, Andrea - OSELLAME, Roberto. All-optical non-Markovian stroboscopic quantum simulator. In PHYSICAL REVIEW A. ISSN 2469-9926, 2015, vol. 91, no. 1, 012122., WOS
4. [1.1] LORENZO, S. et al. Landauer s principle in multipartite open quantum system dynamics. In PHYSICAL REVIEW LETTERS, 2015, vol. 115, no. 12, 120403., WOS

ADCA659 ZIMAN, Mário - BUŽEK, Vladimír. Realization of positive-operator-valued measures using measurement-assisted programmable quantum processors. In Physical Review A, 2005, vol. 72, no. 2, 022343. ISSN 1050-2947.

Citácie:
1. [1.1] CHANG, Li-Wei - ZHENG, Shi-Hui - GU, Li-Ze - JIN, Lei - YANG, Yi-Xian. Multiparty-controlled Joint Remote Preparation of an Arbitrary Four-qubit Cluster-type State via Two Different Entangled Quantum Channels. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2015, vol. 54, no. 8, pp. 2864., WOS
2. [1.1] HEINOSAARI, Teiko - TUKIAINEN, Mikko. Notes on deterministic programming of quantum observables and channels. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2015, vol. 14, no. 8, pp. 3097., WOS

ADCA660 ZIMAN, Mário - BUŽEK, Vladimír. Entanglement-induced state ordering under local operations. In Physical Review A, 2006, vol. 73, no. 1, 012312. (2006 - Current Contents, SCOPUS). ISSN 1050-2947.

Citácie:
1. [1.1] HOU, Mo - XIA, Ying-Qing - HOU, Xi-Wen. Dynamical correlations of mutual information and tripartite entanglement for vibrational states in a trimer molecule. In INTERNATIONAL JOURNAL OF MODERN PHYSICS B. ISSN 0217-9792, 2015, vol. 29, no. 9, 1550063., WOS
2. [1.1] PAL, Rajarshi - GHOSH, Sibasish. Non-locality breaking qubit channels: the case for CHSH inequality. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2015, vol. 48, no. 15, 155302., WOS

ADCA661 ZIMAN, Mário - BUŽEK, Vladimír. Concurrence versus purity: Influence of local channels on Bell states of two qubits. In Physical Review A, 2005, vol. 72, 053325. ISSN 1050-2947.

Citácie:
1. [1.1] AMARO, J. G. - PINEDA, C. Multipartite entanglement dynamics in a cavity. In PHYSICA SCRIPTA. ISSN 0031-8949, 2015, vol. 90, no. 6, 068019., WOS
2. [1.1] SHAHAM, A. - HALEVY, A. - DOVRAT, L. - MEGIDISH, E. - EISENBERG, H. S. Entanglement dynamics in the presence of controlled unital noise. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2015, vol. 5, 10796., WOS

ADCA662 ZIPPILLI, S. - GRAJCAR, Miroslav - IL'ICHEV, E. - ILLUMINATI, F. Simulating long-distance entanglement in quantum spin chains by superconducting flux qubits. In Physical Review A, 2015, vol. 91, 022315. (2.808 - IF2014). (2015 - Current Contents, WOS, SCOPUS). ISSN 1050-2947.

Citácie:
1. [1.1] GIAMPAOLO, S. M. - HIESMAYR, B. C. - ILLUMINATI, F. Global-to-local incompatibility, monogamy of entanglement, and ground-state dimerization: Theory and observability of quantum frustration in systems with competing interactions. In PHYSICAL REVIEW B. ISSN 2469-9950, 2015, vol.

92, no. 14, 144406., WOS
2. [1.1] GREENBERG, Ya. S. - SHTYGASHEV, A. A. Non-Hermitian Hamiltonian approach to the microwave transmission through a one-dimensional qubit chain. In PHYSICAL REVIEW A. ISSN 1050-2947, 2015, vol. 92, no. 6, 063835., WOS
3. [1.1] WENDENBAUM, Pierre - PLATINI, Thierry - KAREVSKI, Dragi. Entanglement replication via quantum repeated interactions. In PHYSICAL REVIEW A. ISSN 2469-9926, 2015, vol. 91, no. 4, 040303., WOS

ADCA663 ZRUBCOVÁ, J. - KRIŠTIAK, Jozef - PEDERSEN, W.B. - PEDERSEN, N.J. - ELDRUP, M. Light Effects on Positronium in Polymers. In Materials Science Forum, 2001, vol. 360-362, p. 359-361. (0.597 - IF2000).

Citácie:

1. [1.1] EL-GAMAL, S. - ABDALLA, Ayman M. - ABDEL-HADY, E. E. Dependence of alpha particle track diameter on the free volume holes size using positron annihilation lifetime technique. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS. ISSN 0168-583X, 2015, vol. 359, pp. 155., WOS

ADCA664 ŽIVOTSKÝ, O. - POSTAVA, K. - KRAUS, L. - JIRÁSKOVÁ, Y. - JURASZEK, J. - TEILLET, J. - BARČOVÁ, K. - ŠVEC, Peter - JANIČKOVIČ, Dušan - PIŠTORA, J. Surface and bulk magnetic properties of as-quenched FeNbB ribbons. In Journal of Magnetism and Magnetic Materials, 2008, vol. 320, no. 8, p. 1535-1540. (1.704 - IF2007). (2008 - Current Contents, SCOPUS). ISSN 0304-8853.

Citácie:

1. [1.1] MCCORD, Jeffrey. Progress in magnetic domain observation by advanced magneto-optical microscopy. In JOURNAL OF PHYSICS D-APPLIED PHYSICS. ISSN 0022-3727, 2015, vol. 48, no. 33, 333001., WOS

ADDA Vedecké práce v domácich karentovaných časopisoch – impaktovaných

ADDA01 BAJNOK, Z. - ŠAMAJ, Ladislav. Introduction to integrable many-body systems III. In Acta Physica Slovaca, 2011, vol. 61, no. 2, p. 129-271. (3.250 - IF2010). (2011 - WOS, SCOPUS). ISSN 0323-0465.

Citácie:

1. [1.1] PALDUS, Josef - SAKO, Tokuei - DIERCKSEN, Geerd H. F. On the cluster structure of linear-chain fermionic wave functions. In JOURNAL OF MATHEMATICAL CHEMISTRY. ISSN 0259-9791, 2015, vol. 53, no. 2, pp. 629-650., WOS

ADDA02 BOHÁČ, Vlastimil - DIEŠKA, P. - VRETENÁR, Viliam - GREIF, V. Model for cuboid shape samples and its analysis used for measurements of thermophyssical properties of sandstone. In Measurement Science Review, 2011, vol. 11, no. 6, p. 192-197. (0.400 - IF2010). (2011 - WOS, Scopus, Copernicus International). ISSN 1335-8871.

Citácie:

1. [1.1] ZHENG, Yelong - SONG, Le - HU, Gang - CAI, Xue - LIU, Hongguang - MA, Jinyu - ZHAO, Meirong - FANG, Fengzhou. The multi-position calibration of the stiffness for atomic-force microscope cantilevers based on vibration. In MEASUREMENT SCIENCE AND TECHNOLOGY. ISSN 0957-0233, 2015, vol. 26, no. 5, 055001., WOS

ADDA03 FABIAN, J. - MATOS-ABIAGUE, A. - ERTLER, C. - STAŇO, Peter - ZITIC, I. Semiconductor spintronics. In Acta Physica Slovaca, 2007, vol. 57, no. 4-5, p. 565-907. (0.647 - IF2006). (2007 - SCOPUS). ISSN 0323-0465.

Citácie:

1. [1.1] AKIHO, Takafumi - YAMAMOTO, Masafumi - UEMURA, Tetsuya. Investigation of spin lifetime in strained InxGa1-xAs channels through all-electrical spin injection and detection. In APPLIED PHYSICS EXPRESS. ISSN 1882-0778, 2015, vol. 8, no. 9, 093001., WOS
2. [1.1] ALOMAR, M. I. - SERRA, Llorenc - SANCHEZ, David. Seebeck effects in two-dimensional spin transistors. In PHYSICAL REVIEW B. ISSN 2469-9950, 2015, vol. 91, no. 7, 075418., WOS
3. [1.1] BODA, Aalu - KUMAR, D. Sanjeev - MUKHOPADHYAY, Soma - CHATTERJEE, Ashok. Effect of Rasbha spin-orbit interaction on the ground state energy of a hydrogenic D-0 complex in a Gaussian quantum dot. In PROCEEDINGS OF THE 59TH DAE SOLID STATE PHYSICS SYMPOSIUM 2014 (SOLID STATE PHYSICS). ISSN 0094-243X, 2015, vol. 1665, 120035., WOS
4. [1.1] CORNELISSEN, L. J. - LIU, J. - DUINE, R. A. - BEN YOUSSEF, J. - VAN WEES, B. J. Long-distance transport of magnon spin information in a magnetic insulator at room temperature. In NATURE PHYSICS. ISSN 1745-2473, 2015, vol. 11, no. 12, pp. 1022., WOS
5. [1.1] EREMKO, Alexander - BRIZHIK, Larissa - LOKTEV, Vadim. Spin eigen-states of Dirac equation for quasi-two-dimensional electrons. In ANNALS OF PHYSICS. ISSN 0003-4916, 2015, vol. 361, no., pp. 423., WOS
6. [1.1] FERRARI, Andrea C. et al. Science and technology roadmap. In NANOSCALE, 2015, vol. 7, NO. 11, p. 4598-4810., WOS
7. [1.1] FLESZAR, Andrzej - HANKE, Werner. Two-Dimensional Metallicity with a Large Spin-Orbit Splitting: DFT Calculations of the Atomic, Electronic, and Spin Structures of the Au/Ge(111)-(root 3 x root 3)R30 degrees Surface. In ADVANCES IN CONDENSED MATTER PHYSICS. ISSN 1687-8108, 2015, 531498., WOS
8. [1.1] IDZUCHI, Hiroshi - FUKUMA, Yasuhiro - OTANI, YoshiChika. Spin transport in non-magnetic nano-structures induced by non-local spin injection. In PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES. ISSN 1386-9477, 2015, vol. 68, no., pp. 239., WOS
9. [1.1] JUENGEL, Ansgar - NEGULESCU, Claudia - SHPARTKO, Polina. Bounded weak solutions to a matrix drift-diffusion model for spin-coherent electron transport in semiconductors. In MATHEMATICAL MODELS & METHODS IN APPLIED SCIENCES. ISSN 0218-2025, 2015, vol. 25, no. 5, pp. 929., WOS
10. [1.1] KIM, Do Yoon - KIM, Chang Woo - SOHN, Jong Hwa - LEE, Kyu Joon - JUNG, Myang Hwa - KIM, Min Gyu - KANG, Young Soo. Ferromagnetism of Single-Crystalline Cu2O Induced through Poly(N-vinyl-2-pyrrolidone) Interaction Triggering d-Orbital Alteration. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2015, vol. 119, no. 23, pp. 13350., WOS
11. [1.1] KUMAR, D. Sanjeev - BODA, Aalu - MUKHOPADHYAY, Soma - CHATTERJEE, Ashok. Effect of Rashba-spin orbit interaction on the ground state energy of a D-0 centre in a GaAs quantum dot with Gaussian confinement. In SUPERLATTICES AND MICROSTRUCTURES. ISSN 0749-6036, 2015, vol. 88, no., pp. 174., WOS
12. [1.1] LEE, Yu-Wen - LEE, Yu-Li. Electrical control and interaction effects of the RKKY interaction in helical liquids. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 91, no. 21, 214431., WOS
13. [1.1] LI, Zhou - CARBOTTE, J. P. Optical spectral weight: Comparison of weak and strong spin-orbit coupling. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 91, no. 11, 115421., WOS

14. [1.1] MANCHON, A. - KOO, H. C. - NITTA, J. - FROLOV, S. M. - DUINE, R. A. New perspectives for Rashba spin-orbit coupling. In NATURE MATERIALS. ISSN 1476-1122, 2015, vol. 14, no. 9, pp. 871., WOS
15. [1.1] OHSUHI, T. et al. Comparison of electrical and optical detection of spin. In JOURNAL OF PHYSICS D, 2015, vol. 48, 164003., WOS
16. [1.1] OMAR, S. - GURRAM, M. - VERA-MARUN, I. J. - ZHANG, X. - HUISMAN, E. H. - KAVERZIN, A. - FERINGA, B. L. - VAN WEES, B. J. Spin relaxation in graphene with self-assembled cobalt porphyrin molecules. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 92, no. 11, 115442., WOS
17. [1.1] PAZHANIVELU, V. - SELVADURAI, A. Paul Blessington - MURUGARAJ, R. Zn Interstitial Defects Induced Magnetic Nature In Fe Ions Doped ZnO Based DMS. In PROCEEDINGS OF THE 59TH DAE SOLID STATE PHYSICS SYMPOSIUM 2014 (SOLID STATE PHYSICS). ISSN 0094-243X, 2015, vol. 1665, 130033., WOS
18. [1.1] Pareek, Tribhuvan Prasad. Quantum non-Abelian hydrodynamics. In INTERNATIONAL JOURNAL OF MODERN PHYSICS B, 2015, vol. 29, 1450241., WOS
19. [1.1] SAIDAOUI, Hamed Ben Mohamed - OTANI, Y. - MANCHON, A. Crossover between spin swapping and Hall effect in disordered systems. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 92, no. 2, 024417., WOS
20. [1.1] SCHAEFER, A. - BUSS, J. H. - SCHUPP, T. - ZADO, A. - AS, D. J. - HAEGELE, D. - RUDOLPH, J. Strain dependent electron spin dynamics in bulk cubic GaN. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2015, vol. 117, no. 9, 093906., WOS
21. [1.1] SEGARRA, C. - PLANELLES, J. - CLIMENTE, J. I. - RAJADELL, F. Anisotropy of spin-orbit induced electron spin relaxation in [001] and [111] grown GaAs quantum dots. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2015, vol. 17, 033014., WOS
22. [1.1] SHIOGAI, J. - CIORGA, M. - UTZ, M. - SCHUH, D. - KOHDA, M. - BOUGEARD, D. - NOJIMA, T. - WEISS, D. - NITTA, J. In-plane tunneling anisotropic magnetoresistance in (Ga,Mn)As/GaAs Esaki diodes in the regime of the excess current. In APPLIED PHYSICS LETTERS. ISSN 0003-6951, 2015, vol. 106, no. 26, 262402., WOS
23. [1.1] SMIRNOV, Sergey. Orthogonal Cherenkov sound in spin-orbit coupled systems. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2015, vol. 5, 11159., WOS
24. [1.1] SPAGNOLO, B. - VALENTI, D. - GUARCELLO, C. - CAROLLO, A. - ADORNO, D. Persano - SPEZIA, S. - PIZZOLATO, N. - DI PAOLA, B. Noise-induced effects in nonlinear relaxation of condensed matter systems. In CHAOS SOLITONS & FRACTALS. ISSN 0960-0779, 2015, vol. 81, no., pp. 412., WOS
25. [1.1] STOLWIJK, Sebastian David. Spin Textures on Tl/Si(111)-(1x1). In SPIN-ORBIT-INDUCED SPIN TEXTURES OF UNOCCUPIED SURFACE STATES ON TL/SI(111). ISSN 2190-5053, 2015, vol., no., pp. 31., WOS
26. [1.1] STOLWIJK, Sebastian David. Spin-Orbit-Induced Spin Textures of Unoccupied Surface States on Tl/Si(111) Introduction. In SPIN-ORBIT-INDUCED SPIN TEXTURES OF UNOCCUPIED SURFACE STATES ON TL/SI(111). ISSN 2190-5053, 2015, vol., no., pp. 1., WOS
27. [1.1] SVERDLOV, Viktor - GHOSH, Joydeep - MAKAROV, Alexander - WINDBACHER, Homas - SELBERHERR, Siegfried. CMOS-Compatible Spintronic Devices. In 2015 30TH SYMPOSIUM ON MICROELECTRONICS TECHNOLOGY AND DEVICES (SBMICRO), 2015, ., WOS
28. [1.1] SVERDLOV, Viktor - SELBERHERR, Siegfried. Silicon spintronics:

Progress and challenges. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, 2015, vol. 585, no., pp. 1., WOS
29. [1.1] SVERDLOV, Viktor - SELBERHERR, Siegfried. Spin-Based CMOS-Compatible Devices. In LARGE-SCALE SCIENTIFIC COMPUTING, LSSC 2015. ISSN 0302-9743, 2015, vol. 9374, no., pp. 42., WOS
30. [1.1] SVERDLOV, Viktor - SELBERHERR, Siegfried. Spin-Based Devices for Future Microelectronics. In 2015 International Symposium on Next-Generation Electronics (ISNE). ISSN 2378-8593, 2015 ., WOS
31. [1.1] SZUKIEWICZ, Barbara - WYSOKINSKI, Karol I. Quantum dot as spin current generator and energy harvester. In EUROPEAN PHYSICAL JOURNAL B. ISSN 1434-6028, 2015, vol. 88, no. 5, 112., WOS
32. [1.1] TABERT, C. J. - CARBOTTE, J. P. Magnetization of the metallic surface states in topological insulators. In JOURNAL OF PHYSICS-CONDENSED MATTER. ISSN 0953-8984, 2015, vol. 27, no. 1, 015008., WOS
33. [1.1] TAKAMURA, Yota - AKUSHICHI, Taiju - SHUTO, Yusuke - SUGAHARA, Satoshi. Analysis and design of nonlocal spin devices with electric-field-induced spin-transport acceleration. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2015, vol. 117, no. 17, 17D919., WOS
34. [1.1] UNGAR, F. - CYGOREK, M. - TAMBORENEA, P. I. - AXT, V. M. Ultrafast spin dynamics in II-VI diluted magnetic semiconductors with spin-orbit interaction. In PHYSICAL REVIEW B. ISSN 2469-9950, 2015, vol. 91, no. 19, 195201., WOS
35. [1.1] VAN WEPEREN, I. - TARASINSKI, B. - EELTINK, D. - PRIBIAG, V. S. - PLISSARD, S. R. - BAKKERS, E. P. A. M. - KOUWENHOVEN, L. P. - WIMMER, M. Spin-orbit interaction in InSb nanowires. In PHYSICAL REVIEW B. ISSN 2469-9950, 2015, vol. 91, no. 20, 201413., WOS
36. [1.1] VAN&APOS;T ERVE, O. M. J. - FRIEDMAN, A. L. - LI, C. H. - ROBINSON, J. T. - CONNELL, J. - LAUHON, L. J. - JONKER, B. T. Spin transport and Hanle effect in silicon nanowires using graphene tunnel barriers. In NATURE COMMUNICATIONS. ISSN 2041-1723, 2015, vol. 6, 7541., WOS
37. [1.1] VIGLIN, N. A. - USTINOV, V. V. - TSVELIKHOVSKAYA, V. M. - PAVLOV, T. N. Electric injection and detection of spin-polarized electrons in lateral spin valves on ferromagnetic metal-semiconductor InSb heterojunctions. In JETP LETTERS. ISSN 0021-3640, 2015, vol. 101, no. 2, pp. 113., WOS
38. [1.1] VOLKOV, N. V. - TARASOV, A. S. - SMOLYAKOV, D. A. - VARNAKOV, S. N. - OVCHINNIKOV, S. G. Bias-voltage-controlled ac and dc magnetotransport phenomena in hybrid structures. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2015, vol. 383, no., pp. 69., WOS
39. [1.1] VOLMER, F. - DROEGELER, M. - GUENTHERODT, G. - STAMPFER, C. - BESCHOTEN, B. Spin and charge transport in graphene-based spin transport devices with Co/MgO spin injection and spin detection electrodes. In SYNTHETIC METALS. ISSN 0379-6779, 2015, vol. 210, no., pp. 42., WOS
40. [1.1] VOLMER, Frank - DROEGELER, Marc - POHLMANN, Tobias - GUENTHERODT, Gernot - STAMPFER, Christoph - BESCHOTEN, Bernd. Contact-induced charge contributions to non-local spin transport measurements in Co/MgO/graphene devices. In 2D MATERIALS. ISSN 2053-1583, 2015, vol. 2, no. 2, 024001., WOS
41. [1.1] WOJCIK, P. - ADAMOWSKI, J. - WOLOSZYN, M. - SPISAK, B. J. Spin splitting generated in a Y-shaped semiconductor nanostructure with a quantum point contact. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2015, vol. 118, no. 1, 014302., WOS

42. [1.1] WOLSKI, S. - SZCZEPANSKI, T. - DUGAEV, V. K. - BARNAS, J. - LANDGRAF, B. - SLOBODSKYY, T. - HANSEN, W. Spin and charge transport in double-junction Fe/MgO/GaAs/MgO/Fe heterostructures. In JOURNAL OF APPLIED PHYSICS. ISSN 0021-8979, 2015, vol. 117, no. 4, 043908., WOS

43. [1.1] YAN, Tengfei - QIAO, Xiaofen - TAN, Pingheng - ZHANG, Xinhui. Valley depolarization in monolayer WSe2. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2015, vol. 5, 15625., WOS

44. [1.1] YANG, Li-Wei - TSAI, Yi-Chia - LI, Yiming - HIGO, Aiko - MURAYAMA, Akihiro - SAMUKAWA, S. - VOSKOBOYNIKOV, O. Tuning of the electron g factor in defect-free GaAs nanodisks. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 92, no. 24, 245423., WOS

45. [1.1] YU, T. - WU, M. W. Spin diffusion in ultracold spin-orbit-coupled K-40 gas. In PHYSICAL REVIEW A. ISSN 2469-9926, 2015, vol. 92, no. 1, 013607., WOS

46. [1.1] ZARRINKAMAR, S. - JAHANKOHAN, K. - HASSANABADI, H. The spin-orbit interaction in minimal length quantum mechanics; the case of a (2+1)-dimensional Dirac oscillator. In CANADIAN JOURNAL OF PHYSICS. ISSN 0008-4204, 2015, vol. 93, no. 12, pp. 1638., WOS

47. [1.1] ZARRINKAMAR,, S.- JAHANKOHAN, K.- HASSANABADI, H. The spin-orbit interaction in minimal lenghth quantum mechanics. In CANADIAN JOURNAL OF PHYSICS, 2015, vol. 93, p. 1638-1641., WOS

ADDA04 HEINOSAARI, Teiko - ZIMAN, Mário. Guide to mathematical concepts of quantum theory. In Acta Physica Slovaca, 2008, vol. 58, no. 4, p. 487-674. (0.625 - IF2007). (2008 - SCOPUS). ISSN 0323-0465.

Citácie:

1. [1.1] CHANG, MH. Quantum Stochastics. In QUANTUM STOCHASTICS, 2015, pp. 1-412., WOS

ADDA05 MARKOŠ, Peter. Numerical analysis of the Anderson localization. In Acta Physica Slovaca, 2006, vol. 56, no. 5, p. 561-685.

Citácie:

1. [1.1] SUSLOV, I. M. Multifractality and quantum diffusion from self-consistent theory of localization. In JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS. ISSN 1063-7761, 2015, vol. 121, no. 5, pp. 885., WOS

2. [1.1] SYZRANOV, S. V. - GURARIE, V. - RADZIHOVSKY, L. Unconventional localization transition in high dimensions. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 91, no. 3, 035133., WOS

3. [1.1] YAMADA, Hiroaki S. - MATSUI, Fumihiro - IKEDA, Kensuke S. Critical phenomena of dynamical delocalization in a quantum Anderson map. In PHYSICAL REVIEW E. ISSN 1539-3755, 2015, vol. 92, no. 6, 062908., WOS

4. [1.1] YANG, Jun - WISE, Frank W. Effects of Disorder on Electronic Properties of Nanocrystal Assemblies. In JOURNAL OF PHYSICAL CHEMISTRY C. ISSN 1932-7447, 2015, vol. 119, no. 6, pp. 3338., WOS

5. [1.1] YE, Yangtao - KE, Manzhu - FENG, Junheng - WANG, Mudi - QIU, Chunyin - LIU, Zhengyou. Transversal Anderson localization of sound in acoustic waveguide arrays. In JOURNAL OF PHYSICS-CONDENSED MATTER. ISSN 0953-8984, 2015, vol. 27, no. 15, 155402., WOS

6. [1.1] ZHANG, Yi - TERLETSKA, Hanna - MOORE, C. - EKUMA, Chinedu - TAM, Ka-Ming - BERLIJN, Tom - KU, Wei - MORENO, Juana - JARRELL, Mark. Study of multiband disordered systems using the typical medium dynamical cluster approximation. In PHYSICAL REVIEW B. ISSN 1098-0121, 2015, vol. 92, no. 20, 205111., WOS

ADDA06 REITZNER, Daniel - NAGAJ, Daniel - BUŽEK, Vladimír. Quantum walks. In Acta

Physica Slovaca, 2011, vol. 61, no. 6, p. 603-725. (3.250 - IF2010). (2011 - WOS, SCOPUS). ISSN 0323-0465.

Citácie:

1. [1.1] BISIO, Alessandro - D&APOS;ARIANO, Giacomo Mauro - PERINOTTI, Paolo - TOSINI, Alessandro. Weyl, Dirac and Maxwell Quantum Cellular Automata. In FOUNDATIONS OF PHYSICS. ISSN 0015-9018, 2015, vol. 45, no. 10, pp. 1203., WOS

2. [1.1] BISIO, Alessandro - D&APOS;ARIANO, Giacomo Mauro - TOSINI, Alessandro. Quantum field as a quantum cellular automaton: The Dirac free evolution in one dimension. In ANNALS OF PHYSICS. ISSN 0003-4916, 2015, vol. 354, pp. 244., WOS

3. [1.1] COTTRELL, Seth S. A simple method for finding the scattering coefficients of quantum graphs. In JOURNAL OF MATHEMATICAL PHYSICS. ISSN 0022-2488, 2015, vol. 56, no. 9, 092203., WOS

4. [1.1] COTTRELL, Seth S. Finding structural anomalies in star graphs using quantum walks: a general approach. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2015, vol. 48, no. 3, 035304., WOS

5. [1.1] DUNJKO, V. - BRIEGEL, H. J. Quantum mixing of Markov chains for special distributions. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2015, vol. 17, 073004., WOS

6. [1.1] LIU YAN-MEI - CHEN HAN-WU - LIU ZHI-HAO - XUE XI-LING - ZHU WAN-NING. Scattering quantum walk search algorithm on star graph. In ACTA PHYSICA SINICA. ISSN 1000-3290, 2015, vol. 64, no. 1, 010301., WOS

ADDA07 SEDLÁK, Michal. Quantum theory of unambiguous measurements. In Acta Physica Slovaca, 2009, vol. 59, no. 6, p. 653-792. (0.724 - IF2008). (2009 - WOS, SCOPUS). ISSN 0323-0465.

Citácie:

1. [1.1] CAO, Tian-Qing - GAO, Fei - ZHANG, Zhi-Chao - YANG, Ying-Hui - WEN, Qiao-Yan. Perfect discrimination of projective measurements with the rank of all projectors being one. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2015, vol. 14, no. 7, pp. 2645-2656., WOS

ADEA Vedecké práce v ostatných zahraničných časopisoch – impaktovaných

ADEA01 DEL DEBBIO, L. - FABER, M. - GREENSITE, J. - OLEJNÍK, Štefan. Some cautionary remarks on Abelian projection and Abelian dominance. In Nuclear Physics - Proceedings Supplements, 1997, vol. 53, p. 141-147. ISSN 0920-5632.

Citácie:

1. [1.1] KONDO, Kei-Ichi - KATO, Seikou - SHIBATA, Akihiro - SHINOHARA, Toru. Quark confinement: Dual superconductor picture based on a non-Abelian Stokes theorem and reformulations of Yang-Mills theory. In PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS. ISSN 0370-1573, 2015, vol. 579, pp. 1-226., WOS

ADEA02 MAJERNÍK, Vladimír - MAJERNÍKOVÁ, Eva - SHPYRKO, S. Uncertainty relations expressed by Shannon-like entropies. In Central European Journal of Physics, 2003, vol. 1, no. 3, p. 393-420. www.cesj.com.

Citácie:

1. [1.1] AGUIAR, V. - GUEDES, I. Shannon entropy, Fisher information and uncertainty relations for log-periodic oscillators. In PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS. ISSN 0378-4371, 2015, vol. 423, p. 72-79., WOS

2. [1.1] CHEN, Li-Ping - KOU, Kit Ian - LIU, Ming-Sheng. Pitt s inequality and the uncertainty principle associated with the quaternion Fourier transform. In JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS. ISSN 0022-247X, 2015, vol. 423, no. 1, pp. 681-700., WOS

3. [1.1] MACEDO, D. X. - GUEDES, I. Fisher information and Shannon entropy of position-dependent mass oscillators. In PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS. ISSN 0378-4371, 2015, vol. 434, p. 211-219., WOS

4. [1.1] YANG, Yan - DANG, Pei - QIAN, Tao. Stronger uncertainty principles for hypercomplex signals. In COMPLEX VARIABLES AND ELLIPTIC EQUATIONS. ISSN 1747-6933, 2015, vol. 60, no. 12, p. 1696-1711., WOS

ADEA03 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.

Citácie:

1. [1.1] ALAVIKIA, Babak - KABIRI, Ali - RAMAHI, Omar M. Poynting theorem constraints on the signs of the imaginary parts of the electromagnetic constitutive parameters. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA A-OPTICS IMAGE SCIENCE AND VISION. ISSN 1084-7529, 2015, vol. 32, no. 4, pp. 522., WOS

2. [1.1] DAS, Sanghamitro - HOANG-LINH NGUYEN - BABU, G. Naveen - IYER, Ashwin K. Free-Space Focusing at C-Band Using a Flat Fully Printed Multilayer Metamaterial Lens. In IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION. ISSN 0018-926X, 2015, vol. 63, no. 11, pp. 4702., WOS

3. [1.1] KISHOR, Kamal - BAITHA, Monu Nath - SINHA, R. K. Design and simulation of "I" shaped split ring resonator metamaterial at optical communication window around 1.55 mu m. In OPTIK. ISSN 0030-4026, 2015, vol. 126, no. 23, pp. 4708., WOS

4. [1.1] SUN, K. - FAN, R. H. - ZHANG, Z. D. - YAN, K. L. - ZHANG, X. H. - XIE, P. T. - YU, M. X. - PAN, S. B. The tunable negative permittivity and negative permeability of percolative Fe/Al2O3 composites in radio frequency range. In APPLIED PHYSICS LETTERS. ISSN 0003-6951, 2015, vol. 106, no. 17, p172902, WOS

ADEA04 NAGY, Juraj - BALOG, Martin - SIMANČÍK, František - IŽDINSKÝ, Karol - JANIČKOVIČ, Dušan - ŠVEC, Peter. Consolidation of rapidly solidified Al-based particles using equal channel angular pressing (ECAP). In Reviews on Advanced Materials Science, 2008, vol. 18, no. 7, p. 608-615. (1.122 - IF2007). (2008 - WOS, SCOPUS). ISSN 1606-5131.

Citácie:

1. [1.1] SARAVANAN, M. S. Senthil - BABU, S. P. Kumaresh. Synthesis, Characterization, and ECAP Consolidation of Carbon Nanotube Reinforced AA 4032 Nanocrystalline Composites Produced by High Energy Ball Milling. In JOURNAL OF ENGINEERING MATERIALS AND TECHNOLOGY-TRANSACTIONS OF THE ASME. ISSN 0094-4289, 2015, vol. 137, no. 2, pp., 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] MAJI, Bikas C. - KRISHNAN, Madangopal - VERMA, Amit - BASU, R. - SAMAJDAR, I. - RAY, Ranjit K. Effect of Pre-straining on the Shape Recovery of Fe-Mn-Si-Cr-Ni Shape Memory Alloys. In METALLURGICAL AND MATERIALS TRANSACTIONS A-PHYSICAL METALLURGY AND MATERIALS SCIENCE. ISSN 1073-5623, 2015, vol. 46A, no. 2, pp. 639-655., WOS

ADEB02 ŠIFFALOVIČ, Peter - VÉGSO, Karol - JERGEL, Matej - MAJKOVÁ, Eva - KECKES, J. - MAIER, G.A. - CORNEJO, M. - ZIBERI, B. - FROST, F. - HASSE, B. - WIESMANN, J. Measurement of nanopatterned surfaces by real and reciprocal space techniques. In Measurement Science Review, 2010, vol. 10, no. 5, p. 153-156. (2010 - WOS, Scopus, Copernicus International). ISSN 1335-8871.

Citácie:

1. [1.1] HEXEMER, Alexander - MUELLER-BUSCHBAUM, Peter. Advanced grazing-incidence techniques for modern soft-matter materials analysis. In IUCRJ. ISSN 2052-2525, 2015, vol. 2, pp. 106-125., WOS

ADEB03 ŠVEC, Peter Jr. - ŠVEC, Peter - MAŤKO, Igor - ŠKORVÁNEK, Ivan - KOVÁČ, Jozef - JANIČKOVIČ, Dušan - VLASÁK, Gabriel. Phase Transformations in Amorphous Bilayer Ribbons. In Solid State Phenomena, 2011, vol. 172-174, p. 953-958. (2011 - WOS, SCOPUS). ISSN 1012-0394.

Citácie:

1. [1.1] PANDA, A. K. - DEY, Sushmita - ROY, R. K. - SINGH, Satnam - MITRA, A. Influence of phase transformation on interfacial activity and bend sensitivity of rapidly quenched Fe77.5Si7.5B15/Co72.5Si12.5B15 bilayered magnetostrictive ribbons. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. ISSN 0304-8853, 2015, vol. 378, pp. 440-446., WOS

ADFB Vedecké práce v ostatných domácich časopisoch – neimpaktovaných

ADFB01 BUTVINOVÁ, Beata - BUTVIN, Pavol - ILLEKOVÁ, Emília - ŠVEC, Peter - VLASÁK, Gabriel - JANIČKOVIČ, Dušan - KADLEČÍKOVÁ, M. Impact of phosphorus for boron substitution on magnetic properties of magnetostrictive finemets. In Acta Electrotechnica et Informatica, 2013, vol. 13, no. 1, p. 78-81. ISSN 1335-8243.

Citácie:

1. [3.2] KURNIAWAN, M.- KEYLIN, V.- McHENRY M.E.: Alloy substituents for cost reduction in soft magnetic materials. In JOURNAL OF MATERIALS RESEARCH, 2015, vol. 30 (08), P. 1072-1077.

2. [3.2] KURNIAWAN, M.- KEYLIN, V.- McHENRY M.E.: Effect of alloy substituents on soft magnetic properties and economics of Fe-based and Co-based alloys. In JOURNAL OF MATERIALS RESEARCH, 2015, vol. 30 (14), p. 1-77.

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

ADMA01 ŠKORVÁNEK, Ivan - MARCIN, Jozef - CAPIK, Marek - VARGA, Marek - TURČANOVÁ, Jana - KOVÁČ, Jozef - ŠVEC, Peter - JANIČKOVIČ, Dušan - KOVÁČ, František - STOYKA, Volodymyr. Tailoring of functional properties in Fe-based soft magnetic alloys by thermal processing under magnetic field. In Magnetohydrodynamics, 2012, vol. 48, no. 2, p. 371-377. (0.413 - IF2011). (2012 - WOS, SCOPUS). ISSN 0024-998X.(international pamir conference on Fundamental and applied MHD).

Citácie:

1. [1.1] MIGLIERINI, M. - PROCHAZKA, V. - RUEFFER, R. - ZBORIL, R. In

situ crystallization of metallic glasses during magnetic field annealing. In ACTA MATERIALIA. ISSN 1359-6454, 2015, vol. 91, pp. 50., WOS
2. [1.1] PROCHAZKA, V. - VRBA, V. - SMRCKA, D. - RUEFFER, R. - MATUS, P. - MASLAN, M. - MIGLIERINI, M. B. Structural transformation of NANOPERM-type metallic glasses followed in situ by synchrotron radiation during thermal annealing in external magnetic field. In JOURNAL OF ALLOYS AND COMPOUNDS. ISSN 0925-8388, 2015, vol. 638, pp. 398., WOS

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

ADMB01 AFANASIEV, S.V. - ARTIOMOV, A.S. - BEKMIRZAEV, R.N. - DRYABLOV, D.K. - IGAMKULOV, Z.A. - IVANOV, V.I. - ISUPOV, A.Yu. - JOMURODOV, D.M. - MALAKHOV, A.I. - MATOUŠEK, Vladislav - MORHÁČ, Miroslav - LEBEDEV, A.I. - LVOV, A.I. - PAVLYUCHENKO, L.N. - PLEKHANOV, E.B. - POLYANSKY, V.V. - SIDORIN, S.S. - SOKOL, G.A. - TURZO, Ivan. Search results of Eta-mesic nuclei in the d+C reaction in JINR. In Nuclear Physics B - Proceedings Supplements, 2011, vol. 219-220, p. 255-258. ISSN 0920-5632.

Citácie:

1. [1.1] KRUSCHE, B. - WILKIN, C. Production of eta and eta ' mesons on nucleons and nuclei. In PROGRESS IN PARTICLE AND NUCLEAR PHYSICS. ISSN 0146-6410, 2015, vol. 80, pp. 43-95., WOS

ADMB02 KAVETSKYY, T. - TSMOTS, V. - ŠAUŠA, Ondrej - STEPANOV, A.L. Structural modification of chalcogenide glasses by gamma-irradiation studied with DBAL technique. In Physica Status Solidi C, 2012, vol. 9, no. 12, p. 2420-2423. (2012 - SCOPUS). ISSN 1610-1634.

Citácie:

1. [1.1] SHPOTYUK, O. - INGRAM, A. - SZATANIK, R. - SHPOTYUK, M. - GOLOYCHAK, R. Structural-relaxation phenomena in As-S glasses as probed by combined PAL/DBAR technique. In MATERIALS CHEMISTRY AND PHYSICS. ISSN 0254-0584, 2015, vol. 155, pp. 76-82., WOS

ADMB03 KORYTÁR, Dušan - VAGOVIČ, Patrik - FERRARI, C. - ŠIFFALOVIČ, Peter - JERGEL, Matej - DOBROČKA, Edmund - ZÁPRAŽNÝ, Zdenko - ÁČ, V. - MIKULÍK, P. Process- induced inhomogeneities in higher asymmetry angle x-ray monochromators. In Proceedings of SPIE, 2013, vol. 8848, 88480U. (2013 - SCOPUS).

Citácie:

1. [1.1] CUSATIS, Cesar. Large field of view X-ray microscopy with asymmetric bent crystals and a laboratory source. In JOURNAL OF APPLIED CRYSTALLOGRAPHY. JUN 2015, vol. 48, 3, p. 876-881., WOS

ADMB04 KRAUTZ, M. - HOŠKO, Jozef - SKOKOV, K. - ŠVEC, Peter - STOICA, M. - SCHULTZ, L. - ECKERT, J. - GUTFLEISCH, O. - WASKE, A. Pathways for novel magnetocaloric compounds: A processing prospect. In Physica Status Solidi C. Current Topics in Solid State Physics, 2014, vol. 11, p. 1039-1042. (2014 - WOS, SCOPUS). ISSN 1862-6351.

Citácie:

1. [1.1] KITANOVSKI, Andrej - PLAZNIK, Uros - TOMC, Urban - POREDOS, Alojz. Present and future caloric refrigeration and heat-pump technologies. In INTERNATIONAL JOURNAL OF REFRIGERATION-REVUE INTERNATIONALE DU FROID. ISSN 0140-7007, 2015, vol. 57, pp. 288-298., WOS

ADMB05 LUKÁČ, F. - CIZEK, J. - PROCHÁZKA, I. - JIRÁSKOVÁ, Y. - JANIČKOVIČ,

Dušan - ANWAND, W. - BRAUER, G. Vacancy-induced hardening in Fe-Al alloys. In Journal of Physics: Conference Series, 2013, vol. 443, 012025. (2013 - WOS, SCOPUS). ISSN 1742-6588.

Citácie:

1. [1.1] CHAKRAVARTY, Sujay - CHIRAYATH, Varghese Anto - GANGAVARAPU, Amarendra - PARIDA, Pradyumna - DASGUPTA, Arup. Residual stress relaxation mechanism at low homologous temperature in nanocrystalline iron thin film deposited on Si (100) substrate. In JOURNAL OF PHYSICS D-APPLIED PHYSICS. ISSN 0022-3727, 2015, vol. 48, no. 30, 305303., WOS

2. [1.1] DRYZEK, Jerzy - HORODEK, Pawel. The solution of the positron diffusion trapping model tested for profiling of defects induced by proton implanted in stainless steel. In APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING. ISSN 0947-8396, 2015, vol. 121, no. 1, pp. 289., WOS

3. [1.1] HORODEK, Pawel - KOBETS, Andrey G. - MESHKOV, Igor N. - SIDORIN, Alexey A. - ORLOV, Oleg S. Slow positron beam at the JINR, Dubna. In NUKLEONIKA. ISSN 0029-5922, 2015, vol. 60, no. 4, pp. 725., WOS

AFC Publikované príspevky na zahraničných vedeckých konferenciách

AFC01 DANZER, J. - GATTRINGER, Ch. - LIPTÁK, Ľudovít. Properties of canonical fermion determinants with a fixed quark number. In Proceedings of Science (LAT2009). - Beijing : Peking University, 2009., 185.

Citácie:

1. [1.1] NAGATA, K.- KASHIWA, K.- NAKAMURA, A.- NISHIGAKI, S.M. In PHYSICAL REVIEW D, 2015, vol. 91, 094507., WOS

AFC02 FILIP, Peter. Heavy flavor mesons in strong magnetic fields. In 8th International Workshop on Critical Point and Onset of Deconfinement (CPOD 2013), March 11-15, 2013, California, USA : Proceedings of Science (CPOD 2013) 035. - Trieste : SISSA/ISAS, 2013, p. 1-10.

Citácie:

1. [1.1] BONATI, C.- D´ELIA, M.- RUCCI, A. Heavy quarkonia in strong magnetic fields. In PHYSICAL REVIEW D, 2015, vol. 92, 054014., WOS

AFC03 GREENSITE, J. - OLEJNÍK, Štefan. Properties of the approximate Yang-Mills ground state wave functional in 2+1 dimensions. In The IX International Conference on Quark Confinement and the Hadron Spectrum- QCHS IX, August 30-September 3,2010, Madrid, Spain : AIP Conference Proceedings. 1343. - Melville : American Institute of Physics, 2011, p. 203-205, p. 203-205. ISBN 978-0-7354-0899-9. ISSN 0094-243X.

Citácie:

1. [3.1] HEFFNER, J.P. Hamiltonzugang zum Deconfinement-Phasenubergang der Yang-Mills-Theorie. In PhD Thesis, Tubingen, Eberhard-Karls-University, 2015/ 10900/ 64354.

AFC04 GREENSITE, J. - OLEJNÍK, Štefan. Testing the Yang-Mills vacuum wave functional ansatz in 3+1 dimensions. In Xth Quark Confinement and the Hadron Spectrum, October 8-12, 2012, TUM Campus Garching, Munich, Germany : Proceedings of Science (Confinement X) 054. - Trieste : SISSA/ISAS, 2013, p. 1-8.

Citácie:

1. [3.1] HEFFNER, J.P. Hamiltonzugang zum Deconfinement-Phasenubergang der Yang-Mills-Theorie. In PhD Thesis. Eberhard-Karls-University, Tubingen, 10900/ 64354, 2015.

AFC05 ISKROVÁ, Martina - MAJERNÍK, Viktor - ILLEKOVÁ, Emília - ŠAUŠA, Ondrej -

BEREK, Dušan - KRIŠTIAK, Jozef. Free volume seen by positronium in bulk and confined molecular liquid. In Materials Science Forum. Vol. 607: Positron and Positronium Chemistry. 9th International Workshop, May 11-15, 2008, China. - Zurich : Trans Tech Publications LTD, 2009, p. 235-237. ISSN 0255-5476.

Citácie:

1. [1.1] ZALESKI, Radoslaw. Principles of positron porosimetry. In NUKLEONIKA. ISSN 0029-5922, 2015, vol. 60, no. 4, pp. 795., WOS

AFC06 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] GROVEN, Karen Synne - RAHEIM, Malfrid - ENGELSRUD, Gunn. Changing Bodies, Changing Habits: Women's Experiences of Interval Training Following Gastric Bypass Surgery. In HEALTH CARE FOR WOMEN INTERNATIONAL. ISSN 0739-9332, 2015, vol. 36, no. 3, pp. 276., WOS

GII Rôzne publikácie a dokumenty, ktoré nemožno zaradiť do žiadnej z predchádzajúcich kategórií

GII01 BĚTÁK, Emil - OBLOŽINSKÝ, Pavol. PEGAS: Pre-equilibrium gamma- and spin code. In Report INDC (SLK), 1993, 001. Vienna: IAEA. Report.

Citácie:

1. [1.1] CHECHENIN, N.G. et al. In PHYSICS OF ATOMICS NUCLEI, 2015, vol. 78, p. 159., WOS

Príloha D

Údaje o pedagogickej činnosti organizácie

Semestrálne prednášky:

Ing. Matej Jergel, DrSc.
Názov semestr. predmetu: Nanotechnológie
Počet hodín za semester: 2
Názov katedry a vysokej školy: Fakulta elektrotechniky a informatiky STU, Ústav jadrového a fyzikálneho inžinierstva

Prof.,Ing. Štefan Luby, DrSc.
Názov semestr. predmetu: O nanoelektronike
Počet hodín za semester: 2
Názov katedry a vysokej školy: Slovenská technická univerzita v Bratislave, Univerzita III. veku

Doc. RNDr. Martin Plesch, PhD.
Názov semestr. predmetu: Základe kvantovej teórie informácie
Počet hodín za semester: 28
Názov katedry a vysokej školy: Univerzita Komenského v Bratislave, FMFI

Mgr. Michal Sedlák, PhD.
Názov semestr. predmetu: Kvantová teoria informácie
Počet hodín za semester: 13
Názov katedry a vysokej školy: Přírodovědecká fakulta Palackého univerzity, Olomouc, Česká republika, Katedra optiky

Dr. Rer. Nat. Peter Šiffalovič, PhD.
Názov semestr. predmetu: Analýza povrchov a tenkých vrstiev pomocou elektromagnetického žiarenia
Počet hodín za semester: 24
Názov katedry a vysokej školy: Univerzita Komenského v Bratislave, Katedra experimentálnej fyziky

Dr. Rer. Nat. Peter Šiffalovič, PhD.
Názov semestr. predmetu: Fyzika ultrakrátkych impulzov
Počet hodín za semester: 24
Názov katedry a vysokej školy: Univerzita Komenského v Bratislave, Katedra experimentálnej fyziky

Doc. Mgr. Mário Ziman, PhD
Názov semestr. predmetu: Kvantová teória merania
Počet hodín za semester: 39
Názov katedry a vysokej školy: Fakulta matematiky, fyziky a informatiky UK, Katedra teoretickej fyziky a didaktiky fyziky

Doc. Mgr. Mário Ziman, PhD
Názov semestr. predmetu: Vybrane kapitoly z kvantovej mechaniky
Počet hodín za semester: 26
Názov katedry a vysokej školy: Fakulta Informatiky, Masarykova Univerzita, Fakulta infomatiky

Semestrálne cvičenia:

Mgr. Michal Sedlák, PhD.
Názov semestr. predmetu: Koherenční a statistická optika
Počet hodín za semester: 13
Názov katedry a vysokej školy: Přírodovědecká fakulta Palackého univerzity, Olomouc, Česká republika, Katedra optiky

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	Dušan Janičkovič	2			Vladimír Bužek	2
	Dušan Janičkovič	2			Vladimír Bužek	6
	Dušan Janičkovič	3			Vladimír Bužek	2
	Dušan Janičkovič	4			Vladimír Bužek	2
	Štefan Luby	3			Vladimír Bužek	2
					Vladimír Bužek	6
					Mário Ziman	2
Česko	Martin Venhart	2			Michal Bodík	2
	Martin Veselský	2			Vladimír Bužek	1
					René Derian	2
					Peter Filip	3
					Vojtech Nádaždy	1
					Vojtech Nádaždy	1
					Daniel Reitzner	2
					Anton Repko	13
					Michal Sedlák	2
					Ivan Štich	3
					Ivan Štich	2
					Martin Veselský	3
					Mário Ziman	3
Dánsko					Peter Nádaždy	6
Fínsko					Daniel Reitzner	7
Francúzsko	Krisztián Palotás	7			Matej Jergel	2
	Krisztián Palotás	10			Lubomir Martinovič	21
	Ladislav Šamaj	59			Lubomir Martinovič	7
	Ladislav Šamaj	40				
Grécko	Peter Švec	4			Peter Šiffalovič	4
	Peter Švec Jr.	4				
	Martin Veselský	5				
Holandsko					Vladimír Bužek	4
India					Emil Pinčík	10
Izrael					Daniel Nagaj	6
Japonsko					Ján Brndiar	25
					Andrej Gendiar	74
					Andrej Gendiar	15
					Marián Krajčí	8
					Marek Mihalkovič	63
					Daniel Reitzner	11
					Ivan Štich	15
					Ivan Štich	21
Maďarsko	Štefan Lányi	11			Emil Bětàk	8
	Pareshkumar Manharbhai Prajapati	2			René Derian	1
	Martin Venhart	2			Ivan Štich	1
Nemecko	Stanislav Hlaváč	5			Vladimír Bužek	2
	Pareshkumar	2			Vladimír Bužek	1

	Manharbhai Prajapati					
					Vladimír Bužek	4
					Martin Hodas	3
					Martin Hodas	46
					Peter Šiffalovič	3
Nórsko					Irena Janotová	4
					Peter Švec	4
					Peter Švec Jr.	4
Poľsko	Beata Butvinová	5			Vladimír Bužek	3
	Krisztián Palotás	5			Katarína Čechová	11
					Stanislav Dubnička	7
					Kamil Tokár	5
Portugalsko					Vladimír Bužek	5
Rakúsko	Štefan Luby	3			Vladimír Bužek	1
	Igor Maťko	7			Vladimír Bužek	1
	Igor Maťko	7			Vladimír Bužek	1
	Igor Maťko	13			Vladimír Bužek	1
	Krisztián Palotás	1			Vladimír Bužek	1
	Pareshkumar Manharbhai Prajapati	2			Andrej Gendiar	1
					Roman Krčmár	1
					Daniel Nagaj	1
					Daniel Nagaj	1
					Daniel Reitzner	1
					Matúš Sedlák	1
					Ladislav Šamaj	1
					Peter Švec Jr.	5
Rusko	Vladislav Matoušek	10			Emil Běták	8
	Vladislav Matoušek	24			Stanislav Dubnička	8
	Pareshkumar Manharbhai Prajapati	11			Stanislav Dubnička	7
					Stanislav Dubnička	4
					Stanislav Dubnička	5
					Andrej Liptaj	63
					Miroslav Nagy	88
					Miroslav Nagy	13
					Miroslav Nagy	29
					Martin Plesch	12
Švajčiarsko	Stanislav Hlaváč	3			Cyril Adamuščín	7
	Jozef Klimo	61			Erik Bartoš	13
	Matúš Sedlák	17			Stanislav Dubnička	11
	Matúš Sedlák	61			Stanislav Dubnička	13
	Matúš Sedlák	3			Peter Filip	3
	Róbert Urban	61			Peter Filip	9
	Martin Venhart	3			Andrej Liptaj	14
	Martin Venhart	17				
	Martin Venhart	8				
	Martin Venhart	3				
	Martin Veselský	4				
	Martin Veselský	3				
	Martin Veselský	6				
	Martin Veselský	8				
	Martin Veselský	3				
Taiwan					Martin Plesch	5
					Martin Plesch	8

Taliansko	Pareshkumar Manharbhai Prajapati	4			Mário Ziman	2
Ukrajina					Juraj Zigo	14
USA	Pareshkumar Manharbhai Prajapati	12			Vladimír Bužek	9
					Vladimír Bužek	10
					Vladimír Bužek	8
					Peter Filip	39
					Daniel Reitzner	16
Veľká Británia	Martin Venhart	6				
Počet vyslaní spolu	**48**	**540**			**93**	**906**

(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**
Česko					Prof. Tomas Sikola	2
Čína	Dr. Yugang MA	6				
	Dr.Deqing Fang	6				
Fínsko					Mikko Tukiainen	11
Grécko					Prof. Evangelos Hristoforou	4
Irán					Dr. Rarzad Khodabakhshi	20
Maďarsko	Dr. Jozsef Cseh	8				
Mexiko					David Davalos	19
Nemecko					David Reeb	5
					Dr. Petr Neugebauer	2
					Ion Nechita	4
Portugalsko					Shantnav Chakraborty	4
Rakúsko					Dr Mehul Malik	1
					Dr. Claude Klöckl	1
					Dr. Jessica Bavaresco	1
					Dr. Marcus Huber	1
					Dr. Yelena Guryanova	1
					Prof. Manfried Faber	1
Rusko	Dr. Afanasyev Sergey	8			Ilia Luchnikov	30
	Dr. Malakhov Aleksandr	8			Sergey Filippov	10
Taliansko					Alessandro Bisio	6
Ukrajina					Dr. Oleg Borisenko	12
USA					Bill Fefferman	7
					Cedric Yen-Yu Lin	8
					Dr. Patrick Moylan	3
					Prof. Ivan Horváth	1
					Scot Atton	2
Veľká Británia					Christian Shilling	5
Počet prijatí spolu	**5**	**36**			**25**	**161**

(C) Účasť pracovníkov pracoviska na konferenciách v zahraničí (nezahrnutých v "A"):

Krajina	**Názov konferencie**	**Meno pracovníka**	**Počet dní**
Belgicko	EURISOL DF 2016	Jozef Klimo	5
		Matúš Sedlák	5

	ND 2016	Emil Bĕták	8
Brazília	ICGTMP Colloquia	Peter Rapčan	7
Česko	CEQIP 2016	Libor Caha	4
		Daniel Nagaj	2
		Martin Plesch	4
		Daniel Reitzner	3
		Tomáš Rybár	4
		Mário Ziman	4
	Fórum Optinika	Róbert Brunner	1
		Emil Pinčík	1
	International conference: Analytic and algebraic m	Juraj Boháčik	6
	Letná škola	Anton Repko	7
	PBQ 2016	Michal Sedlák	2
	WQSQW 2016	Daniel Nagaj	5
		Daniel Reitzner	5
		Tomáš Rybár	5
	X-TOP 2016	Matej Jergel	1
		Peter Nádaždy	5
		Peter Šiffalovič	1
Čierna Hora	New Trends in High -Energy Physics	Cyril Adamuščín	7
		Erik Bartoš	7
		Stanislav Dubnička	7
Čína	Congress PIERS	Eva Majková	7
	Winter school	Pareshkumar Manharbhai Prajapati	9
Francúzsko	Graphene Forum 2016	Maksym Demydenko	4
	LMI-SDP-QIT workshop	Daniel Reitzner	7
		Michal Sedlák	7
Grécko	ICMAST	Ján Ivančo	6
	Workshop Unravelling Degradation Mechanisms of Org	Eva Majková	6
Holandsko	Physics of X-Ray and Neutron Multilayer structures	Matej Jergel	4
	Quantum Europe 2016	Vladimír Bužek	4
India	AMMN 2016	Eva Majková	7
	ICAMPE-2016	Emil Pinčík	3
		Peter Šiffalovič	5
Indonézia	WFPhC 2016	Martin Plesch	6
Japonsko	ISMANAM2016	Irena Janotová	9
Kórejská republika	BIT´s 6th Annual New Energy Forum	Matej Jergel	6
	THIS Winter 2016	Krisztián Palotás	9
Maďarsko	thinkBDPST	Vladimír Bužek	1
	Workshop on Quantum Information	Libor Caha	3
	XXX.konferencia Eurosensors	Štefan Luby	4
Maurícius	EMN Meeting on Quantum and Mesoscopic Physics	Ivan Štich	10
Mexiko	EMN Summer Meeting 2016	Emil Pinčík	11
Nemecko	DPG Spring Meeting 2016	Krisztián Palotás	5
	GISAX 2016	Peter Nádaždy	5
	Konferencia LAM-16	Peter Švec	6
Nepál	ICQ13	Marek Mihalkovič	8
Poľsko	ICTAC-16	Marián Krajčí	5
	SCIT 2016	Irena Janotová	4
		Peter Švec	3
		Peter Švec Jr.	3
Portugalsko	Excited QCD 2016	Stanislav Dubnička	9

		Andrej Liptaj	9
	Light Cone 2016	Lubomir Martinovič	6
Rakúsko	12th Vienna Central European Seminar	Peter Filip	2
	Konferencia Nová Európa	Štefan Luby	3
Rusko	HSQCD 2016	Erik Bartoš	6
		Stanislav Dubnička	7
Singapur	Bit Congress,Smart Materials 2016	Karol Végsö	7
	BIT´s 6th Annual World Congress of Nano Science an	Matej Jergel	7
	NST 2016	Eva Majková	7
	WC SM 2016	Matej Jergel	7
Slovinsko	JVC 16	Štefan Luby	6
Španielsko	Quantum Networks	Michal Sedlák	5
	SITGES 25	Pavol Kalinay	7
Švajčiarsko	ISOLDE Workshop	Pareshkumar Manharbhai Prajapati	5
		Martin Venhart	5
	Physics Beyond Colliders Kickoff Workshop	Peter Filip	4
Taiwan	AQIS 2016	Martin Plesch	7
	ENM Spring Meeting 2016	Ivan Štich	9
Taliansko	Graphene 2016	Michal Bodík	5
		Peter Šiffalovič	5
USA	2nd QCD Chirality workshop	Peter Filip	3
	ICHEP 2016	Peter Filip	9
	ICMCTF2016	Igor Maťko	10
	SQH 2016	Peter Filip	9
Veľká Británia	Konferencie na počesť prof M.J.Gillana	Ivan Štich	3
Spolu	**58**	**79**	**435**

Vysvetlivky: MAD - medziakademické dohody, KD - kultúrne dohody, VTS - vedecko-technická spolupráca v rámci vládnych dohôd

Skratky použité v tabuľke C:

ICGTMP Colloquia - 31st International Colloquium on Group Theoretical Methods in Physics
12th Vienna Central European Seminar - 12th Vienna Central European Seminar
2nd QCD Chirality workshop - 2nd QCD Chirality workshop
AMMN 2016 - Advaces in Applied Mathematics, Materials Science and Nanotechnology for Engineering and Industrial Applications
AQIS 2016 - 16th Asian Quantum Information Science Conference
Bit Congress,Smart Materials 2016 - BIT-s 2-nd Annual World Congress of Smart Materials 2016
BIT´s 6th Annual New Energy Forum - BIT´s 6th Annual New Energy Forum
BIT´s 6th Annual World Congress of Nano Science an - BIT´s 6th Annual World Congress of Nano Science and Technology
CEQIP 2016 - 13th Central European Quantum Information Processing Workshop
Congress PIERS - Congress PIERS
DPG Spring Meeting 2016 - 80th Annual Conference of the German Physical Society (DPG) and DPG Spring Meeting
EMN Meeting on Quantum and Mesoscopic Physics - EMN Meeting on Quantum and Mesoscopic Physics
EMN Summer Meeting 2016 - EMN Summer Meeting 2016
ENM Spring Meeting 2016 - ENM Spring Meeting 2016 Energy Materials Nanotechnology
EURISOL DF 2016 - EURISOL DF 2016
Excited QCD 2016 - Excited QCD 2016
Fórum Optinika - Fórum Optinika
GISAX 2016 - GISAX 2016
Graphene 2016 - 6th edition of the largest European Conference and Exibition in Graphene and 2D Materials
Graphene Forum 2016 - Nanotech France 2016 International Conference
HSQCD 2016 - Hadron Structure and QCD´16
ICAMPE-2016 - 2nd International Conference on Advanced Materials for Power Engineering

ICHEP 2016 - ICHEP 2016
ICMAST - Internationall Conference on Materials and Applications for Sensors and Transducers
ICMCTF2016 - 43th Intrernational Conference on Metallurgical Coatings and Thin Films
ICQ13 - 13th International Conference on Quasicrystals
ICTAC-16 - 16th International Conference on Theoretical Apects of Catalysis
International conference: Analytic and algebraic m - International conference: Analytic and algebraic methods in physics
ISMANAM2016 - 23th International Symposium on Metastable Amorphous and Nanostructured Materials
ISOLDE Workshop - ISOLDE Workshop
JVC 16 - 16th Joint Vacuum Conference - 14th European Vacuum Conference
Konferencia LAM-16 - 16th International Conference on Liquid and Amorphous Metals
Konferencia Nová Európa - Konferencia Nová Európa
Konferencie na počesť prof M.J.Gillana - Konferencie na počesť prof M.J.Gillana
Letná škola - Letná škola -Ab-initio methods in nuclear physics
Light Cone 2016 - Light Cone 2016 Conference
LMI-SDP-QIT workshop - Linear Matrix Inequalities, Semidefinite Programming and Quantum Information Theory 2016
ND 2016 - ND-2016 - Nuclear data for science and technology
New Trends in High -Energy Physics - New Trends in High -Energy Physics
NST 2016 - BIT´s Annual World Congress of Nano Science and Technology - 2016
PBQ 2016 - Photon Beyond Qubits 2016
Physics Beyond Colliders Kickoff Workshop - Physics Beyond Colliders Kickoff Workshop
Physics of X-Ray and Neutron Multilayer structures - Physics of X-Ray and Neutron Multilayer structures Workshop 2016
Quantum Europe 2016 - Quantum Europe 2016
Quantum Networks - Quantum Networks 2016
SCIT 2016 - SCIT 2016 - Systems, Control and Information Technology
SITGES 25 - XXV Sitges Conference on Statistical Mechanics
SQH 2016 - Strangeness in Quark Matter 2016
thinkBDPST - thinkBDPST
THIS Winter 2016 - Theory of Hetero-Interfaces and Sufraces
WC SM 2016 - Bit´s 2nd Annual World Congress of Smart Materials-2016
WFPhC 2016 - 7th WFPhC-Congress
Winter school - Winter school on Nuclear Astrophysics
Workshop on Quantum Information - Workshop on Quantum Information
Workshop Unravelling Degradation Mechanisms of Org - Workshop Unravelling Degradation Mechanisms of Organic Solar Cells by Complementary Characterization Techniques
WQSQW 2016 - Workshop of Quantum Simulation and Quantum Walks 2016
X-TOP 2016 - 13th Biennial Conference on High-Resolution X-ray Diffraction and Imaging
XXX.konferencia Eurosensors - XXX.konferencia Eurosensors