

Elektrotechnický ústav SAV



**Správa o činnosti organizácie SAV
za rok 2014**

Bratislava
január 2015

Obsah osnovy Správy o činnosti organizácie SAV za rok 2014

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1. Základné údaje o organizácii

1.1. Kontaktné údaje

Názov: Elektrotechnický ústav SAV

Riaditeľ: RNDr. Vladimír Cambel, DrSc.

1. zástupca riaditeľa: doc. Ing. Fedor Gömöry, DrSc.

2. zástupca riaditeľa: Ing. Ján Fedor, PhD

Vedecký tajomník: Ing. Milan Ťapajna, PhD.

Predseda vedeckej rady: RNDr. Dagmar Gregušová, CSc.

Člen snemu SAV: doc. Ing. Fedor Gömöry, DrSc.

Adresa: Dúbravská cesta 9, 841 04 Bratislava

<http://www.elu.sav.sk>

Tel.: 02/5922 2555

Fax:

E-mail: dominika.polakova@savba.sk

Názvy a adresy detašovaných pracovísk:

- **Oddelenie technológie a diagnostiky polovodičov**
Vrbovská cesta 110, 921 01 Piešťany

Vedúci detašovaných pracovísk:

- **Oddelenie technológie a diagnostiky polovodičov**
Mgr. Bohumír Zaťko, PhD

Typ organizácie: Príspevková od roku 1993

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	110	81	29	20	6	103	90,3	67,6
Vedeckí pracovníci	49	43	6	7	2	43	43,95	41,15
Odborní pracovníci VŠ	33	23	10	13	4	32	22,05	16,25
Odborní pracovníci ÚS	19	11	8	0	0	19	17,3	10,2
Ostatní pracovníci	9	4	5	0	0	9	7	0

K – kmeňový stav zamestnancov v pracovnom pomere k 31.12.2014 (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 31.12.2014 (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 31.12.2014)

Rodová skladba	Pracovníci s hodnosťou				Vedeckí pracovníci v stupňoch		
	DrSc.	CSc./PhD.	prof.	doc.	I.	IIa.	IIb.
Muži	11	33	0	5	12	22	9
Ženy	0	6	0	0	0	3	3

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	8	5	6	3	4	1	15	13	6
Ženy	2	1	0	0	2	2	6	0	0

Tabuľka 1d Priemerný vek zamestnancov organizácie k 31.12.2014

	Kmeňoví zamestnanci	Vedeckí pracovníci	Riešitelia projektov
Muži	50,0	52,4	50,8
Ženy	50,2	45,7	48,5
Spolu	50,1	51,6	50,4

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

Vo februári 2014 akademická obec ústavu zvolila nového zástupcu v Sneme SAV - RNDr. V. Cambela, DrSc. vystriedal doc. Ing. F. Gömöry, DrSc.

V októbri vypršalo funkčné obdobie Vedeckej rady ústavu, bola zvolená nová, Ing. J. Kuzmíka, DrSc. vo vedení vystriedala RNDr. D. Gregušová, CSc.

2. Vedecká činnosť

2.1. Domáce projekty

Tabuľka 2a Počet domácich projektov riešených v roku 2014

ŠTRUKTÚRA PROJEKTOV	Počet projektov		Čerpané financie za rok 2014 (v €)		
	A	B	A		B
			spolu	pre organizáciu	
1. Vedecké projekty, ktoré boli r. 2014 financované VEGA	15	3	111085	106350	5975
2. Projekty, ktoré boli r. 2014 financované APVV	13	6	536988	386288	107094
3. Projekty OP ŠF	1	5	408093	221012	271100
4. Projekty centier excelentnosti SAV	0	0	-	-	-
5. Iné projekty (FM EHP, ŠPVV, Vedecko-technické projekty, ESF, na objednávku rezortov a pod.)	0	0	-	-	-

A - organizácia je nositeľom projektu

B - organizácia sa zmluvne podieľa na riešení projektu

Tabuľka 2b Počet návrhov domácich projektov podaných v roku 2014

Štruktúra projektov	Miesto podania	Organizácia je nositeľom projektu	Organizácia sa zmluvne podieľa na riešení projektu
1. Účasť na nových výzvach APVV r. 2014	-	12	4
2. Projekty výziev OP ŠF podané r. 2014	Bratislava		
	Regióny		

2.2. Medzinárodné projekty

2.2.1. Medzinárodné projekty riešené v roku 2014

Tabuľka 2c Počet medzinárodných projektov riešených v roku 2014

ŠTRUKTÚRA PROJEKTOV	Počet projektov		Čerpané financie za rok 2014 (v €)		
	A	B	A		B
			spolu	pre organizáciu	
1. Projekty 7. Rámcového programu EÚ	0	3	-	-	147474
2. Multilaterálne projekty v rámci vedeckých programov COST, ERANET, INTAS, EUREKA, ESPRIT, PHARE, NATO, UNESCO, CERN, IAEA, ESF (European Science Foundation), ERDF a iné	0	10	-	-	24281
3. Projekty v rámci medzivládnych dohôd o vedecko-technickej spolupráci	0	0	-	-	-
4. Bilaterálne projekty	4	0	-	-	-
5. Podpora medzinárodnej spolupráce z národných zdrojov (MVTs, APVV,...)	0	8	-	-	26654
6. Iné projekty financované alebo spolufinancované zo zahraničných zdrojov	0	0	-	-	-

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 2014

Tabuľka 2d Počet projektov 7. RP EÚ a Horizont 2020 v roku 2014

	A	B
Počet podaných projektov v 7. RP EÚ		
Počet podaných projektov Horizont 2020		2

A - organizácia je nositeľom projektu

B - organizácia sa zmluvne podieľa na riešení projektu

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

2.2.3. Zámery na čerpanie štrukturálnych fondov EÚ v ďalších výzvach

V r. 2014 bol sumou 90 411 € dofinancovaný projekt ŠF ENERGOZ, ukončený v r. 2013.

Elektrotechnický ústav SAV má v ďalšom období ŠF zámer dobudovať prístrojovú infraštruktúru a nemá záujem o stavebnú činnosť s cieľom rozšíriť kapacitu laboratórií. Nové prístroje by mali doplniť 3 technologické/diagnostické linky:

Prístrojová infraštruktúra / technológie, metodika:

1. Technologická linka pre polovodiče – 1.25 mil. €
 - Upgrade ALD, PLD, PlasmaLab a ďalších zariadení
 - Nové zariadenia: MOCVD pre oxidy, kontaktovačka, Kaufmann ion source a iné.
2. Technologická linka pre supravodiče – 1.25 mil. €
 - Zdroje prúdov, konvertory, kryostaty, vývevy, kryocoolery, ultrazvuková linka, analyzátor častíc a iné.
3. Diagnostická linka pre polovodiče a supravodiče – 2.4 mil.
 - FTIR spektrometer, Keithley 4200SCS, kryo probe station, spektroskopický elipsometer, profilometer, AFM Bruker, dobudovanie optického laboratória, rekonštrukcia rozvodne a iné.

Spolu sú to zariadenia asi za 5 mil. EUR aj s DPH.

2.3. Najvýznamnejšie výsledky vedeckej práce (maximálne 1000 znakov + 1 obrázok)

2.3.1. Základný výskum

- **Elektrickým poľom ovládané tranzistory typu kov-oxid-polovodič na heteroštruktúre InGaAs/GaAs s dvojvrstvovým hradlovým dielektrikom zloženým z oxidu pripraveného pomocou kyslíkovej plazmy a Al₂O₃**

InGaAs/GaAs metal-oxide-semiconductor heterostructure field-effect transistors with oxygen-plasma oxide and Al₂O₃ double-layer insulator

Stav, v ktorom sa nachádza povrch GaAs tesne pred depozíciou hradlového dielektrika je kľúčový pre prípravu vysoko-spoľahlivých súčiastok typu kov-oxid-polovodič (MOS) na tomto materiáli. Naša štúdia sa zameriava na proces prípravy a vlastnosti elektrickým poľom ovládaných MOS tranzistorov na heteroštruktúre InGaAs/GaAs s dvojvrstvovým hradlovým dielektrikom zloženým z oxidovej vrstvy pripravenej pomocou oxidácie povrchu heteroštruktúry (GaAs) v kyslíkovej plazme a jej následným pokrytím vrstvou Al₂O₃ pripravenej procesom nanášania po atomárnych vrstvách (ALD). Štruktúry boli plazmaticky oxidované po dobu 75 s a 150 s. Statická charakterizácia tranzistorov potvrdila prúdovú hustotu kolektora v saturácii na úrovni ~250 mA/mm pri hradlovom napätí $V_G = 1$ V. Kapacitné merania ukázali zlepšenie v režime ochudobnenia oproti referenčným štruktúram bez dvojvrstvého hradlového dielektrika. Vodivostnou metódou bola stanovená hustota nábojových pascí v ráde 10^{11} cm⁻²eV⁻¹, vykazujúc jej postupný pokles s rastúcou energiou pascí. Najvyššie hodnoty pohyblivosti elektrónov boli 3950 cm²V⁻¹s⁻¹ (oxidácia 75 s) a 4750 cm²V⁻¹s⁻¹ (oxidácia 150 s) a to pri plošnej hustote náboja $\sim 2 \times 10^{12}$ cm⁻². Získané výsledky a najmä nízka dosiahnutá hodnota hustoty nábojových pascí, ktorá je v porovnaní s literatúrou až o rád nižšia poukazujú na veľký potenciál metódy plazmatickej oxidácie povrchu polovodiča a následnej depozície Al₂O₃ pri príprave MOS štruktúr na GaAs.

Projekt: VEGA 2/0105/13, VEGA 2/0138/14, ASFEU - CENTE

Publikácia:

Gucmann, F., Gregušová, D., Stoklas, R., Dérer, J., Kúdela, R., Fröhlich, K., and Kordoš, P.: InGaAs/GaAs metal-oxide-semiconductor heterostructure field-effect transistors with oxygen-plasma oxide and Al₂O₃ double-layer insulator, *Applied Phys. Lett.* 105 (2014) 183504.

• **Rýchle vysoko citlivé polovodičové senzory plynov na báze Pt – TiO₂ - Pt nano-sendviča pracujúce pri izbovej teplote**

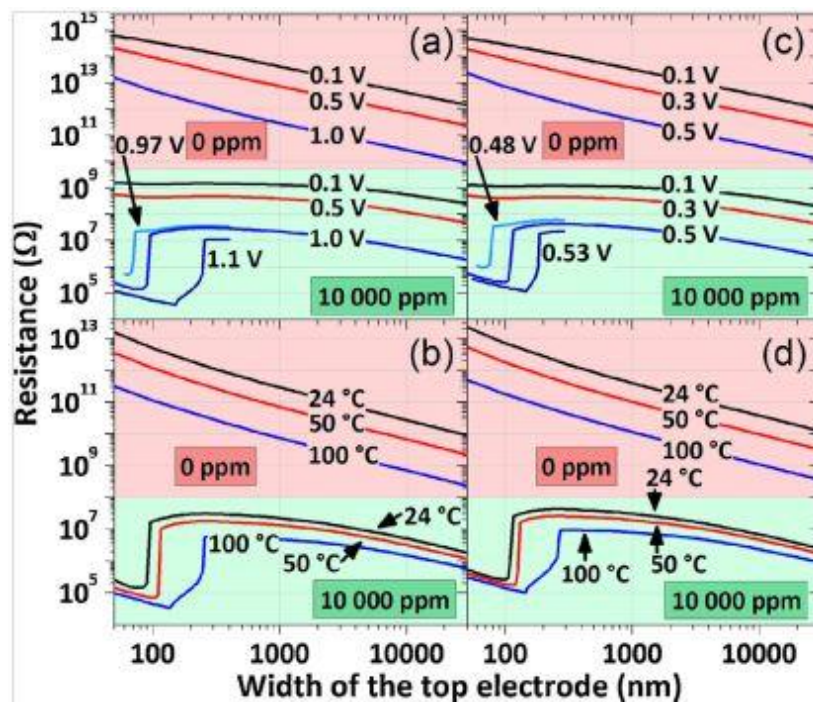
Fast highly-sensitive room-temperature semiconductor gas sensor based on the nanoscale Pt–TiO₂–Pt sandwich

Vývoj rýchlych, vysoko citlivých polovodičových senzorov plynov pracujúcich pri izbovej teplote a kompatibilných s polovodičovou technológiou zostáva výzvou pre základný výskum. Tu prezentujeme takýto senzor na báze Pt – TiO₂ - Pt nano-sendviča. Senzor sa skladá z tenkej (~ 30 nm) nanokryštalickej TiO₂ vrstvy s veľkosťou zŕn ~ 10 nm, ktoré sú umiestnené medzi spodnou elektródou tvorenou Pt vrstvou a vrchnou Pt elektródou tvaru dlhého úzkeho pruhu (so šírkou w klesajúcou až ku 80 nm). Ak znížime šírku w na cca 100 nm a menej, senzor vystavený vzduchu s 1 % H₂ vykazuje nárast odozvy ($R_{\text{air}} / R_{\text{H}_2}$) až na hodnotu 10^7 a pokles reakčnej doby na niekoľko sekúnd, a to aj pri izbovej teplote. V práci je teoreticky ukázané, že obrovské zvýšenie citlivosti je dôsledkom netriviálneho ohmického efektu, ktorý sa prejavuje ako náhly pokles elektrického odporu (o tri rády) s klesajúcou šírkou elektródy pri šírke okolo 100 nm (pozri obrázok). Tento neohmický efekt je dôsledok dvoch efektov vznikajúcich na nano-úrovni: priestorovo nehomogénnej rezistivity TiO₂ vrstvy riadenej difúziou vodíka, kombinovanej s nestabilitou v teplote horúcich elektrónov, keď sú malé nanokryštalické zrná vystavené obrovským elektrickým poliam.

Projekt: APVV 0199-10

Publikácia:

Plecenik, T*, **Moško, M***, Haidry, A., Durina, P., Truchly, M., Grančič, B., Gregor, M., Roch, T., Satrapinski, L., **Mošková, A.**, Mikula, M., Kúš, P., and Plecenik, A.: Fast highly-sensitive room-temperature semiconductor gas sensor based on the nanoscale Pt-TiO₂-Pt sandwich, *Sensors Actuators B* 207 (2015) 351-361. * co-first author



Obr.: Rezistencia senzora ako funkcia šírky vrchnej elektródy w .

2.3.2. Aplikačný typ

Technologický transfer normálne zatvoreného výkonového tranzistora typu AlGaIn/GaN HEMT do Ferdinand Braun Institute Berlin

Technology transfer of normally-off AlGaIn/GaN high-power HEMTs to Ferdinand Braun Institute

Technologický transfer do Ferdinand Braun Institute Berlin, resp. perspektívne ku koncovému priemyselnému odberateľovi Infineon Villach, bol kontrahovaný v rámci projektu 7RP HipoSwitch. V rámci európskeho konzorcia kolektív Elektrotechnického ústavu SAV pod vedením Ing. J. Kuzmíka, vyvíjal nový typ normálne zatvoreného AlGaIn/GaN tranzistora typu HEMT, ktorý je alternatívou k súčasným technológiám. Tieto súčiastky sa majú uplatniť v konštrukcii výkonových efektívnych prevodníkoch napr. hybridných áut. Z toho dôvodu bolo potrebné navrhnuť technológiu tranzistora, ktorá by zabezpečovala dostatočne vysokú hodnotu prahového napätia zopnutia tranzistora, pri zachovaní nízkeho odporu v stave zopnutia a súčasne analyzovať mechanizmy elektrického prerazu v zatvorenom stave. Nami navrhnutá technológia je založená na nastavení prahového napätia pomocou plazmatickej oxidácie povrchu polovodiča a následnej depozície oxidu nanášaním po atómových úrovniach. Týmto spôsobom sme dosiahli hodnotu prahového napätia na úrovni 1.6 V a prúdovú hustotu 0.5 A/mm v otvorenom stave. Analýza mechanizmu prerazu v zatvorenom stave poukázala na lavínový efekt a s tým spojenú degradáciu rozhraní. Okrem publikácií, výstupom našej práce je aj priemyselný vzor odovzdaný našim partnerom.

Projekty: 7RP EÚ 287602 HipoSwitch a APVV 0367-11

Publikácie:

Gregušová, D., Jurkovič, M., Haščík, Š., Blaho, M., Seifertová, A., Fedor, J., Ťapajna, M., Fröhlich, K., Vogrinčič, J., Liday, J., Derluyn, J., Germain, M., and Kuzmík, J.: Adjustment of threshold voltage in AlN/AlGaIn/GaN high-electron mobility transistors by plasma oxidation and Al₂O₃ atomic layer deposition overgrowth, Applied Phys. Lett. 104 (2014) 013506.

Kuzmík, J., Jurkovič, M., Gregušová, D., Ťapajna, M., Brunner, F., Cho, E.M., Menghesso, G., and Wuerfl, J.: Degradation of AlGaIn/GaN high-electron mobility transistors in the current-controlled off-state breakdown, J. Applied Phys. 115 (2014) 164504.

2.3.3. Medzinárodné vedecké projekty

Optimalizácia návrhu výkonového spínacieho tranzistora AlGaIn/GaN HEMT

Design optimization of AlGaIn/GaN HEMTs for high-power switches

Obsahom našej práce bolo analyzovať rôzne aspekty návrhu tranzistorov AlGaIn/GaN HEMT. Konkrétne sme vyšetrovali akú úlohu zohráva (ne)prítomnosť krycej vrstvy GaN pod hradlovou elektródou tranzistora, zaradenie AlGaIn nárazníkovej vrstvy pod kanálovú GaN oblasť a efekt implantácie Ar do SiC substrátu, na funkčnosť spínacích tranzistorov. Štúdie boli realizované v rámci EÚ projektu HipoSwitch a zúčastnili sa na nich okrem pracovníkov EIÚ SAV a STU Bratislava aj kolegovia z Viedenskej Technologickej Univerzity v Rakúsku, Ferdinand Braun Inštitútu v Nemecku a z Univerzity Hokkaido v Japonsku. Výsledkom našej práce sú poznatky o vplyve krycej GaN vrstvy na distribúciu elektrického náboja v tranzistore a hodnotu jeho prahového napätia a na úlohu nárazníkovej vrstvy na efekt samoohrevu súčiastky. Poukázali sme taktiež na možný vplyv Ar implantácie do SiC na obsah hliníka v následne narastenej nárazníkovej vrstve. Jedná sa o unikátne poznatky ktoré umožňujú vysvetliť aspekty návrhu tranzistorov z hľadiska rôznych možných kompromisov.

Projekty: 7RP MORGaN NMP IP no214610, APVV 0367-11, VEGA 2/0138/14

Publikácie:

Kuzmík, J., Ťapajna, M., Válik, L., Molnár, M., Donoval, D., Fleury, C., Pogany, D., Strasser, G.,

Hilt, O., Brunner, F., and Wuerfl, J.: Self-heating in GaN transistors designed for high-power operation, IEEE Trans. Electron Dev. **61** (2014) 3429-3434.

Ľapajna, M., Jurkovič, M., Válik, L., Haščík, Š., Gregušová, D., Brunner, F., Cho, E.M., Hashizume, T., and Kuzmík, J.: Impact of GaN cap on charges in Al₂O₃/(GaN)/AlGaN/GaN metal-oxide-semiconductor heterostructures analyzed by means of capacitance measurements and simulations, J. Applied Phys. **116** (2014) 104501.

2.4. Publikačná činnosť (úplný zoznam je uvedený v Prílohe C)

Tabuľka 2e Štatistika vybraných kategórií publikácií

PUBLIKAČNÁ A EDIČNÁ ČINNOSŤ	A Počet v r. 2014/ doplňky z r. 2013	B Počet v r. 2014/ doplňky z r. 2013	C Počet v r. 2014/ doplňky z r. 2013
1. Vedecké monografie vydané v domácich vydavateľstvách (AAB, ABB, CAB)	0 / 0	0 / 0	0 / 0
2. Vedecké monografie vydané v zahraničných vydavateľstvách (AAA, ABA, CAA)	0 / 0	0 / 0	0 / 0
3. Odborné monografie, vysokoškolské učebnice a učebné texty vydané v domácich vydavateľstvách (BAB, ACB)	1 / 0	0 / 0	0 / 0
4. Odborné monografie a vysokoškolské učebnice a učebné texty vydané v zahraničných vydavateľstvách (BAA, ACA)	0 / 0	0 / 0	0 / 0
5. Kapitoly vo vedeckých monografiách vydaných v domácich vydavateľstvách (ABD, ACD)	0 / 0	0 / 0	0 / 0
6. Kapitoly vo vedeckých monografiách vydaných v zahraničných vydavateľstvách (ABC, ACC)	1 / 1	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 a odborné práce v časopisoch evidovaných v Current Contents Connect (CCC) (ADC, ADCA, ADCB, ADD, ADDA, ADDB, CDC, CDCA, CDCB, CDD, CDDA, CDDB, BDC, BDCA, BDCB, BDD, BDDA, Bddb)	70 / 1	0 / 0	1 / 0
10. Vedecké a odborné práce v časopisoch neevidovaných v CCC (ADE, ADEA, ADEB, ADF, ADFA, ADFB, CDE, CDEA, CDEB, CDF, CDFA, CDFB, BDE, BDEA, BDEB, BDF, BDFA, BDFB)	19 / 0	0 / 0	0 / 0
11. Vedecké a odborné práce v zborníkoch vydaných tlačou alebo na CD			
a/ recenzované práce a publikované pozvané príspevky (AEC, AED, AFA, AFB, AFBA, AFBB, BEC, BED)	46 / 0	0 / 0	0 / 0
b/ nerecenzované práce (AEE, AEF, AFC, AFD, AFDA, AFDB, BEE,	1 / 2	0 / 0	0 / 0

BEF, CEC, CED)			
12. Vydané periodiká evidované v CCC	0	0	0
13. Ostatné vydané periodiká	1	0	0
14. Vydané alebo editované zborníky z vedeckých podujatí (FAI)	0/0	0/0	0/0
15. Vedecké práce uverejnené na internete (GHG)	4 / 0	0 / 0	0 / 0
16. Preklady vedeckých a odborných textov (EAJ)	0 / 0	0 / 0	0 / 0
17. Heslá v Encyklopédii Beliana a iných encyklopédiách a terminologických slovníkoch (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 Ohlasy

OHLASY	A Počet v r. 2013/ doplňky z r. 2012	B Počet v r. 2013/ doplňky z r. 2012
Citácie vo WoS (1.1, 2.1)	862 / 37	22 / 3
Citácie v SCOPUS (1.2, 2.2)	53 / 0	2 / 0
Citácie v iných citačných indexoch a databázach (9, 10)	0 / 0	0 / 0
Citácie v publikáciách neregistrovaných v citačných indexoch (3, 4)	3 / 1	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 2g Vedecké podujatia

Prednášky a vývesky na medzinárodných vedeckých podujatiach	72
Prednášky a vývesky na domácich vedeckých podujatiach	27

2.6. Vyžiadané prednášky

2.6.1. Vyžiadané prednášky na medzinárodných vedeckých podujatiach

Gömöry, F., Solovyov, M., Šouc, J., Vojenčiak, M., and Švec, P.: Dissipation in superconductor/ferromagnet multilayers for AC magnetic cloaking. In: 4th Inter. Conf. Supercond. Magnetism - ICSM 2014. Antalya 2014.

Gömöry, F., Šouc, J., Vojenčiak, M., and Solovyov, M.: Manufacturing and properties of round cables from CC tapes. In: Inter. Conf. Superconductivity for Energy 2014. Paestum 2014.

Gömöry, F., Solovyov, M., and Šouc, J.: Layered superconductor/ferromagnet structures for magnetic field cloaking. In: 2014 MRS Spring Meeting & Exhibit. San Francisco 2014.

Gömöry, F., Šouc, J., Vojenčiak, M., and Solovyov, M.: Low loss cable from high-temperature superconducting tapes. In: CIMTEC 2014. 6th Forum on New Materials. 7th Inter. Conf. Science and Engineering of Novel Superconductors. Montecatini Terme 2014.

Hulman, M., Kotrusz, P., Vretenár, V., Vincze, A., and Skákalová, V.: The growth and characterisation of carbon nanostructures: graphene and graphene oxide. In: 15th Joint Vacuum Conf. Vienna 2014.

Korytár, D., Jergel, Ma., Šiffalovič, P., Mikloška, M., Demydenko, M., Zápražný, Z., Ferrari, C., Dobročka, E., and Vagovič, P.: Stochastic and deterministic technologies for X-ray crystal optics. In: 19th Polish-Slovak-Czech Optical Conference on Wave and Quantum Aspects of Contemporary Optics. Wojanów 2014.

Kuzmík, J.: Material aspects in developing normally-off GaN-based transistors. In: WOCSDICE-EXMATEC 2014. 38th European Workshop on Compound Semicond. Devices and Integrated Circuits and 12th Expert Evaluation & Control of Compound Semicond. Mater. and Technol. Delphi 2014.

Kuzmík, J.: Novel Indium-containing heterostructures for ultra-high speed transistors. In: Inter. Workshop on Nitrides Semicond. 2014. Wroclaw 2014.

Lobotka, P. et al.: Metallic nanoparticles prepared in ionic liquids. In: Colloquium of Metallurgy and Metallurgical Engineering. Tále 2014.

Novák, J., Eliáš, P., Hasenöhrl, S., Laurenčíková, A., Vávra, I., and Novotný, I.: Preparation of nanowires under low pressure conditions. In: 15th Joint Vacuum Conf. Vienna 2014.

Pardo, E., Šouc, J., and Kováč, J.: AC loss in coated conductor coils in DC bias current. In: Electronic Materials and Applications 2014. Orlando 2014.

Pardo, E., Šouc, J., and Kováč, J.: Modelling and measurement of AC loss in coated conductor windings. In: CIMTEC 2014. 6th Forum on New Materials 7th Inter. Conf. Science and Engineering of Novel Superconductors. Montecatini Terme 2014.

Solovyov, M., Šouc, J., and Gömöry, F.: Magnetic cloak for low frequency AC magnetic field. In: Applied Supercond. Conf. 2014. Charlotte 2014. Pozvaná výveska.

Vojenčiak, M.: Application potential of round wires/cables made from CC tapes. In: Inter. Workshop on Coated Conductors for Applications 2014. Jeju 2014.

2.6.2. Vyžiadané prednášky na domácich vedeckých podujatiach

2.6.3. Vyžiadané prednášky na významných vedeckých inštitúciách

Chromik, Š.: Advanced perovskite thin films and structures for applications. In: Institute of Physics Chinese Academy of Sciences, Beijing 2014.

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 2014

2.7.1. Vynálezy, na ktoré bol udelený patent

2.7.2. Prihlásené vynálezy

Na Slovensku - počet patentov: 1

Číslo PV: PP50057-2014

Mená autorov: Sojková Michaela, Chromik Štefan

Názov vynálezu: Naprašovací terč na prípravu prekurzorových vrstiev vhodných na výrobu vysokoteplotných supravodičov, spôsob jeho výroby a naprašovanie

Majiteľ / spolumajiteľ: Elektrotechnický ústav SAV

V zahraničí - počet patentov: 2

Číslo PV: PCT/SK2014/000011

Mená autorov: Kuzmík Ján

Názov vynálezu: Enhancement mode III-N transistor with N-polarity and the method of preparation

Majiteľ / spolumajiteľ: Elektrotechnický ústav SAV

Krajina: Holandsko

Číslo PV: PCT/IB2014/063665

Mená autorov: Vanko Gabriel, Dzuba Jaroslav, Lalinský Tibor, Rýger Ivan, Vallo Martin

Názov vynálezu: MEMS pressure sensor with a high electron mobility transistor and a production method thereof

Majiteľ / spolumajiteľ: Elektrotechnický ústav SAV

Krajina: Európska únia

2.7.3. Predané licencie

2.7.4. Realizované patenty

Finančný prínos pre organizáciu SAV v roku 2014 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 2h Experti hodnotiaci národné projekty

Meno pracovníka	Typ programu/projektu/výzvy	Počet hodnotených projektov
Gömöry Fedor	VEGA	2
Chromik Štefan	VEGA	8
Lalinský Tibor	VEGA	2
Osvald Jozef	VEGA	1

2.9. Účasť na spracovaní hesiel do encyklopédie Beliana**2.10. Iné informácie k vedeckej činnosti.****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 2014

Forma	Počet k 31.12.2014				Počet ukončených doktorantúr v r. 2014					
	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	3	3	1	2	0	1	1	1	0	0
Interná z iných zdrojov	7	0	0	0	2	0	0	0	0	0
Externá	0	0	0	0	0	0	0	0	0	0
Spolu	10	3	1	2	2	1	1	1	0	0
Súhrn	13		3		3		2		0	

3.2. Zmena formy doktorandského štúdia

Tabuľka 3b Počty preradení

Z formy	Interná z prostriedkov SAV	Interná z prostriedkov SAV	Interná z iných zdrojov	Interná z iných zdrojov	Externá	Externá
Do formy	Interná z iných zdrojov	Externá	Interná z prostriedkov SAV	Externá	Interná z prostriedkov SAV	Interná z iných zdrojov
Počet	5	0	0	0	0	0

3.3. Zoznam doktorandov, ktorí ukončili doktorandské štúdium úspešnou obhajobou

Tabuľka 3c Menný zoznam ukončených doktorandov v roku 2014 úspešnou obhajobou

Meno doktoranda	Forma DŠ	Mesiac, rok nástupu na DŠ	Mesiac, rok obhajoby	Číslo a názov študijného odboru	Meno a organizácia školiteľa	Fakulta udeľujúca vedeckú hodnotu
Mgr. Petra Barančeková Husaníková	interné štúdium hradené z prostriedkov SAV	9 / 2010	11 / 2014	4.1.3 fyzika kondenzovaných látok a akustika	Dr. Goran Karapetrov , Elektrotechnický ústav SAV	Fakulta matematiky, fyziky a informatiky UK
Ing. Michal Jurkovič	interné štúdium hradené z iných zdrojov	9 / 2010	9 / 2014	5.2.13 elektronika	Ing. Ján Kuzmík DrSc., Elektrotechnický ústav SAV	Fakulta elektrotechniky a informatiky STU
Ing. Marián Precner	interné štúdium hradené z iných zdrojov	9 / 2011	12 / 2014	5.2.48 fyzikálne inžinierstvo	RNDr. Vladimír Cambel DrSc., Elektrotechnický ústav SAV	Fakulta elektrotechniky a informatiky STU

Zoznam interných a externých doktorandov je uvedený v Prilohe A.

3.4. Zoznam akreditovaných študijných programov s uvedením VŠ

Tabuľka 3d Zoznam akreditovaných študijných programov s uvedením univerzity/vysokej školy a fakulty

Názov študijného programu (ŠP)	Názov študijného odboru (ŠO)	Číslo ŠO	Univerzita/vysoká škola a fakulta
Fyzika kondenzovaných látok a akustika	fyzika kondenzovaných látok a akustika	4.1.3	Fakulta matematiky, fyziky a informatiky UK
Mikroelektronika	elektronika	5.2.13	Fakulta elektrotechniky a informatiky STU
Fyzikálne inžinierstvo	fyzikálne inžinierstvo	5.2.48	Fakulta elektrotechniky a informatiky STU

Tabuľka 3e Účasť na pedagogickom procese

Menný prehľad pracovníkov, ktorí boli menovaní do odborových komisií študijných programov doktorandského štúdia	Menný prehľad pracovníkov, ktorí pôsobili ako členovia vedeckých rád univerzít, správnych rád univerzít a fakúlt	Menný prehľad pracovníkov, ktorí získali vyššiu vedeckú, pedagogickú hodnotu alebo vyšší kvalifikačný stupeň
Ing. František Dubecký, CSc. (elektronika)	doc. Ing. Fedor Gömöry, DrSc. (Elektrotechnická fakulta ŽU)	RNDr. Martin Hulman, PhD. (IIa)
Ing. Karol Fröhlich, DrSc. (fyzika kondenzovaných látok a akustika)	doc. Ing. Fedor Gömöry, DrSc. (Fakulta matematiky, fyziky a informatiky UK)	Ing. Marián Precner, PhD. (PhD., Fakulta elektrotechniky a informatiky STU)
Ing. Karol Fröhlich, DrSc. (elektrotechnológia a materiály)	doc. Ing. Fedor Gömöry, DrSc. (Materiálovotechnologická fakulta STU v Trnave)	
Ing. Karol Fröhlich, DrSc. (elektronika)	doc. Ing. Jozef Novák, DrSc. (Fakulta elektrotechniky a informatiky STU)	
doc. Ing. Fedor Gömöry, DrSc. (fyzikálne inžinierstvo)		
doc. Ing. Fedor Gömöry, DrSc. (fyzikálne inžinierstvo)		
Ing. Štefan Chromik, DrSc. (elektrotechnológia a materiály)		
Ing. Pavol Kováč, DrSc. (elektrotechnológia a materiály)		
Ing. Tibor Lalinský, DrSc. (elektronika)		
doc. RNDr. Martin Moško, DrSc. (fyzika kondenzovaných látok a akustika)		
doc. Ing. Jozef Novák, DrSc. (elektronika)		
Ing. Ivo Vávra, CSc. (elektronika)		

PEDAGOGICKÁ ČINNOSŤ	Prednášky		Cvičenia a semináre	
	doma	v zahraničí	doma	v zahraničí
Počet prednášateľov alebo vedúcich cvičení	4	0	1	0
Celkový počet hodín v r. 2014	206	0	24	0

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	12
2.	Počet vedených alebo konzultovaných diplomových a bakalárskych prác	13
3.	Počet pracovníkov, ktorí pôsobili ako školitelia doktorandov (PhD.)	13
4.	Počet školených doktorandov (aj pre iné inštitúcie)	17
5.	Počet oponovaných dizertačných a habilitačných prác	14
6.	Počet pracovníkov, ktorí oponovali dizertačné a habilitačné práce	10
7.	Počet pracovníkov, ktorí pôsobili ako členovia komisií pre obhajoby DrSc. prác	5
8.	Počet pracovníkov, ktorí pôsobili ako členovia komisií pre obhajoby PhD. prác	8
9.	Počet pracovníkov, ktorí pôsobili ako členovia komisií, resp. oponenti v inauguračnom alebo habilitačnom konaní na vysokých školách	0

3.6. Iné dôležité informácie k pedagogickej činnosti

Pracovníci ústavu pôsobili v komisiách SKVH:

a. **Prírodné vedy – fyzikálne vedy - fyzika kondenzovaných látok a akustika – 010304**

Predseda stálej komisie

- prof. RNDr. Alexander Feher, DrSc., PrF UPJŠ v Košiciach

Členovia stálej komisie

- prof. RNDr. Andrej Plecenik, DrSc., FMFI UK v Bratislave,
- prof. RNDr. Viktor Bezák, DrSc., FMFI UK v Bratislave,
- doc. RNDr. Peter Markoš, DrSc., FEI STU v Bratislave,
- RNDr. Marián Krajčí, DrSc., FÚ SAV v Bratislave,
- **doc. RNDr. Silvester Takács, DrSc., EIÚ SAV v Bratislave,**
- prof. RNDr. Peter Samuely, DrSc., ÚEF SAV v Bratislave,
- prof. RNDr. Vladimír Sechovský, DrSc., MFF UK v Prahe,
- prof. RNDr. Vladimír Lisý, DrSc., FEI TU v Košiciach.

b. **Technické vedy – elektrotechnika, automatizácia a riadiace systémy**

- teoretická elektrotechnika – 020201
- elektrické stroje a prístroje – 020204
- výroba a rozvod elektrickej energie – 020209

Predseda komisie "ad hoc"

- **Ing. Fedor Gömöry, DrSc., EIÚ SAV v Bratislave**

c. **Technické vedy – elektrotechnika, automatizácia a riadiace systémy**

- elektrotechnológie a materiály – 020205
- mikroelektronika – 020211

- optoelektronika – 020212
- rádioelektronika – 020213

Predseda stálej komisie

- **Ing. Karol Fröhlich, DrSc., EIÚ SAV v Bratislave**

Členovia stálej komisie

- **Ing. Pavol Kováč, DrSc., EIÚ SAV v Bratislave,**
- **Ing. Ján Kuzmík, DrSc., EIÚ SAV v Bratislave**
- RNDr. Eva Majková, DrSc., FÚ SAV v Bratislave,
- prof. Ing. Daniel Donoval, DrSc., FEI STU v Bratislave,
- prof. Ing. Rudolf Durný, DrSc., FEI STU v Bratislave,
- doc. RNDr. Karol Flachbart, DrSc., ÚEF SAV v Košiciach,
- prof. RNDr. Josef Humlíček, CSc., PřF MU v Brne,
- RNDr. Jan Kočka, DrSc., FzÚ AV ČR v Prahe.

4. Medzinárodná vedecká spolupráca

4.1. Medzinárodné vedecké podujatia

4.1.1. Medzinárodné vedecké podujatia, ktoré organizácia SAV organizovala v roku 2014 alebo sa na ich organizácii podieľala, s vyhodnotením vedeckého a spoločenského prínosu podujatia

4th International Workshop on Numerical Modelling of High Temperature Superconductors, Bratislava, 66 účastníkov, 11.05.-14.05.2014

ASDAM 2014, Smolenice, 20.10.-22.10.2014

4.1.2. Medzinárodné vedecké podujatia, ktoré usporiada organizácia SAV v roku 2015 (anglický a slovenský názov podujatia, miesto a termín konania, meno, telefónne číslo a e-mail zodpovedného pracovníka)

10th Autumn School on X-ray Scattering from Surfaces and Thin Layers/10th Autumn School on X-ray Scattering from Surfaces and Thin Layers, Smolenice, 21.09.-23.09.2015, (Dušan Korytár, 033/3811406, elekdor@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	8	0	3

4.2. Členstvo a funkcie v medzinárodných orgánoch

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

doc. Ing. Fedor Gömöry, DrSc.

Research Evaluation Network pri DG Research European Commission (funkcia: člen)

Ing. Pavol Kováč, DrSc.

Academic Committee for International Congress on Advanced Materials (funkcia: člen)
Danish Royal Research Council (funkcia: člen)

Ing. Jozef Pitel, CSc.

Správna rada Európskeho spoločného podniku pre ITER a rozvoj energie jadrovej syntézy (Fusion for Energy – F4E) (funkcia: zástupca SR)

Ing. Alica Rosová, CSc.

Československá mikroskopická spoločnosť (funkcia: člen)

Ing. Ivo Vávra, CSc.

Československá mikroskopická spoločnosť (funkcia: podpredseda)

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
Kuzmík Ján	Atestačnej komisia gréckych univerzít	5
	OPUS NCN (Poľsko)	1
Novák Jozef	Department of Energy, USA	1
	ESF	1
	GA ČR	1
	IRCSET, Írsko	10
	JMM Česká republika	6
Ťapajna Milan	OPUS NCN (Poľsko)	1

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

- v rámci riešenia projektu MAD s Inštitútom fyziky PAV sa uskutočnila návšteva Ing. Š. Chromika, DrSc., kde sa realizovali spoločné experimenty. Z Inštitútu fyziky navštívili ústav Dr. Alexander Abal'oshev a Dr. Piotr Gierlowski a realizovali sa homogénne YBCO vrstvy na veľkoplošné podložky (r-zafirová podložka s buferovou vrstvou CeO₂) s využitím rastovania laserového lúča.
- v rámci MAD sa uskutočnila pracovná cesta Ing. Š. Chromika, DrSc., na Univerzitu Beersheva, Izrael (prof. Grzegorz Jung) a na Racah Institute of Physics, The Hebrew University of Jerusalem (Jeruzalem), kde prebehli a prebiehajú analýzy vzoriek pripravené

na EIÚ, merania vzoriek tenkých vrstiev Nb nanosených na cylindrickú podložku.

Výsledky z týchto meraní boli publikované:

Tsindlekht, M.I., Genkin, V.M., Felner, I., Zeides, F., Katz, N., **Gaži, Š.**, and **Chromik, Š.**: dc and ac magnetic properties of thin-walled superconducting niobium cylinders, Phys. Rev B **90** (2014) 014514.

- v rámci projektu MAD (SAV-BAV) sa uskutočnili výmenné týždňové pracovné cesty Dr. B. Blagoeva na EIÚ SAV a RNDr. V. Štrbika CSc. na IE BAS, Sofia. Počas pobytu Dr. Blagoeva v Bratislave sa pripravili dvojvrstvy LSMO/YBCO na depozičných zariadeniach EIÚ SAV, počas pobytu Dr. Štrbika v Sofii boli premerané vysokofrekvenčné a mikrovlnné vlastnosti dvojvrstiev LSMO/YBCO, pripravený bol koncept merania injekcie spinov do heteroštruktúry LSMO/YBCO.

V r. 2014 vyšlo niekoľko spoločných publikácií:

Blagoev, B., Gostev, I., Nurgaliev, T., **Štrbik, V.**, Bineva, I., Uspenskaya, L., Mateev, E., Neshkov, L., Dobročka, E., and Chromik, Š.: Deposition and characterization of thin HTS and magnetic perovskite films, J. Phys.: Conf. Ser. 514 (2014) 012041.

Nurgaliev, T., Blagoev, B., Mateev, E., Neshkov, L., **Štrbik, V.**, Uspenskaya, L., Nedkov, I., and Chromik, Š.: Investigation of DC current injection effect on the microwave characteristics of HTS YBCO microstrip resonators, Physica C 498 (2014) 1-4.

Štrbik, V., Blagoev, B., Mateev, E., and Nurgaliev, T.: Electrical transport in epitaxial and polycrystalline thin LSMO films, J. Phys.: Conf. Ser. 514 (2014) 012042.

Blagoev, B., Nurgaliev, T., Bineva, I., Vasileva, E., **Štrbik, V.**, and Mateev, E.: Resistive characteristics of LSMO/LCMO bi-layers and temperature switching effect of magnetoresistance, Modern Phys. Lett. B 28 (2014) 1450096.

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: Fakulta matematiky, fyziky a informatiky UK

Druh spolupráce (spoločné pracovisko alebo iné): iné

Začiatok spolupráce: 1992

Zameranie: Výchova študentov, spoločná príprava a riešenie projektov a aplikačných riešení

Zhodnotenie: Výsledkom spolupráce sú spoločné projekty, publikácie a PhD študenti.

Názov univerzity/vysokej školy a fakulty: Fakulta elektrotechniky a informatiky STU

Druh spolupráce (spoločné pracovisko alebo iné): iné

Začiatok spolupráce: 1969

Zameranie: Výchova študentov, spoločná príprava a riešenie projektov a aplikačných riešení

Zhodnotenie: V r. 2014 bola podpísaná Zmluva o spolupráci, ktorá sa bude realizovať v oblasti výučby a vedeckého bádania formou spoločného pracoviska. Jedným z predmetov spolupráce je aj spoločná starostlivosť o študentov prichádzajúcich v rámci programu ERASMUS - v r. 2014 pobyt absolvoval A. Pique zo Španielska.

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

6.3. Iná činnosť využiteľná pre potreby spoločenskej praxe

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)

Názov kontraktu: Magnetizácia a striedavé straty v supravodivých vodičoch a káblach

Partner(i): CERN

Začiatok spolupráce (v súlade s podpísaným kontraktom): 2014

Ukončenie spolupráce (ak ide o spoluprácu v krátkom období): 2014

Objem získaných prostriedkov v bežnom roku (€): 12211

Názov kontraktu: Modelling of 40 MVA Superconducting Transformer

Partner(i): Robinson Research Institute, Victoria University of Wellington

Začiatok spolupráce (v súlade s podpísaným kontraktom): 2014

Ukončenie spolupráce (ak ide o spoluprácu v krátkom období): 2014

Objem získaných prostriedkov v bežnom roku (€): 3654

Názov kontraktu: Návrh a výroba kontaktných litografických masiek s rozlíšením pod 50 µm.

Návrh a výroba presného vodiaceho držiaka masiek pre viac litografických úrovní s polohovou presnosťou pod 20 µm

Partner(i): IMEM-CNR, Parma Taliansko

Začiatok spolupráce (v súlade s podpísaným kontraktom): 2014

Ukončenie spolupráce (ak ide o spoluprácu v krátkom období): 2014

Objem získaných prostriedkov v bežnom roku (€): 725

Stručný opis výstupu/výsledku: Finálne sa realizoval návrh a výroba sady 5 ks nerezových litografických masiek s rozmerom najmenšieho motívu 50 µm pre výrobu solárnych článkov a 2 ks presných vodiacich držiakov.

Názov kontraktu: Preparation of thin oxide layers using ALD or other CVD like methods

Partner(i): Semikron, s.r.o., Vrbové

Začiatok spolupráce (v súlade s podpísaným kontraktom): 2014

Ukončenie spolupráce (ak ide o spoluprácu v krátkom období): 2014

Objem získaných prostriedkov v bežnom roku (€): 3000

7.3. Iná činnosť využiteľná pre potreby hospodárskej praxe

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
RNDr. Vladimír Cambel, DrSc.	Komisia pre SUJV Dubna pri vláde SR	člen
doc. Ing. Fedor Gömöry, DrSc.	Akreditačná komisia	člen Pracovnej skupiny pre elektrotechniku
	SKVH	člen
Ing. Peter Lobotka, CSc.	Programový výbor NMP EÚ	delegát
Ing. Jozef Pitel, CSc.	Medzirezortná koordinačná skupina na koordináciu úloh vyplývajúcich z článkov Zmluvy o založení spoločenstva EURATOM	expert
	Poradca Ministerstva školstva, vedy, výskumu a športu SR v oblasti európskej politiky vo VaT a pre tvorbu a pripomienkovanie rámcových programov EK pre výskum, technický rozvoj a demonštračné aktivity	expert

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

Názov expertízy: Člen komisie na výber exponátov pre udelenie ocenenia Zlatý Ampér

Adresát expertízy: Zlatý Ampér 2014

Spracoval: Ing. Ján Šoltýs, PhD

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
doc. Ing. Fedor Gömöry, DrSc.	Grantová agentúra MŠ - APVV	Člen Rady pre technické vedy
doc. Ing. Jozef Novák, DrSc.	Grantová agentúra MŠ - APVV	Predseda Rady pre program SUSPP

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

9. Vedecko-organizačné a popularizačné aktivity

9.1. Vedecko-popularizačná činnosť

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. Edmund Dobročka, CSc.		EX	Exkurzia v rtg laboratóriu Bruker pre študentov UKF v Nitre	EIÚ SAV	25.3.2014
doc. Ing. Fedor Gömöry, DrSc.		PB	Petržalská superškola	Bratislava, Petržalka	15.1.2014
doc. Ing. Fedor Gömöry, DrSc.		PB	Vedecká cukráreň	Bratislava, CVTI	23.9.2014
Ing. Milan Ťapajna, PhD.	K. Hušeková, P. Jančovič, A. Seifertová, E. Dobročka	RO	Deň otvorených dverí 2014	Rádu_FM	11.11.2014

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	2	tlač	0	TV	0
rozhlas	1	internet	0	exkurzie	1
publikácie	0	multimediálne nosiče	0	dokumentárne filmy	0
iné	0				

9.2. Vedecko-organizačná činnosť

Tabuľka 9c Vedecko-organizačná činnosť

Názov podujatia	Domáca/medzinárodná	Miesto	Dátum konania	Počet účastníkov
4th International Workshop on Numerical Modelling of High Temperature Superconductors	medzinárodná	Bratislava	11.05.-14.05.2014	66
ASDAM 2014	medzinárodná	Smolenice	20.10.-22.10.2014	-

9.3. Účasť na výstavách

Názov výstavy: TRANS TECH BURZA

Miesto konania: Bratislava

Dátum: 11.11.2014

Prezentácia:

- a) Pulzná laserová depozícia (PLD - Pulsed Laser Deposition) pre tenkovrstvové aplikácie
- b) Piezoelektrický senzor tlaku pre nehostinné prostredia
- c) Spektrometrický detektor častíc a ťažkých iónov s potenciálnym aplikačným využitím

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. Karol Fröhlich, DrSc.

Material Science in Semiconductor Processing (funkcia: člen)

Ing. Štefan Chromik, DrSc.

ICRN Condensed Matter Physics (funkcia: člen)

Ing. Tibor Lalinský, DrSc.

Open Electrical and Electronic Engineering Journal (funkcia: člen)

Ing. Peter Lobotka, CSc.

Beliana (funkcia: člen)

doc. Ing. Jozef Novák, DrSc.

Journal of Electrical Engineering (funkcia: člen)

Material Science in Semiconductor Processing (funkcia: člen)

Ing. Jozef Osvald, DrSc.

Materials Science in Semiconductor Processing (funkcia: člen)

9.6. Činnosť v domácich vedeckých spoločnostiach

doc. RNDr. Edmund Dobročka, CSc.

Jednota slovenských matematikov a fyzikov (funkcia: člen revíznej komisie)

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

V rámci Európskeho týždňa vedy a techniky EIÚ SAV zorganizoval 11. novembra 2014 od 9,00 do 14,00 hod. **Deň otvorených dverí**. Ústav navštívilo 319 žiakov so svojimi pedagógmi z SPŠE Adlera, SPŠE Zochova, SPŠE Hálova, Gymnázium Metodova, Cirkevná SOŠE Vazovova, Cirkevna ZŠ Narnia.

Pre žiakov boli pripravené ukážky:

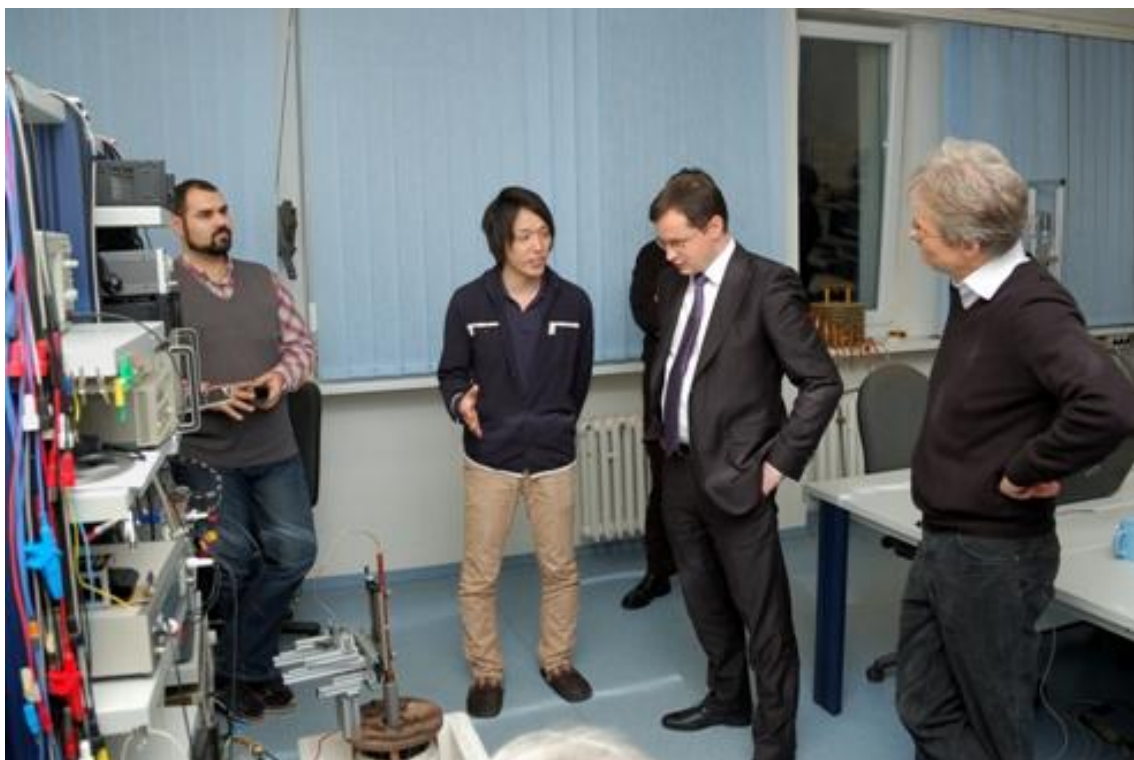
- využitia supravodivosti
- technológie nanášania po atómových vrstvách
- prípravy detektorov žiarenia
- základov supravodivosti
- röntgenovej difrakcie
- práce v čistých priestoroch
- mapovania povrchov pomocou AFM mikroskopu
- zobrazovania pomocou SEM mikroskopu.

Pracovníci ústavu sa už tradične zúčastnili **Noci výskumníka** s ukázkami svojej práce.

V samostatnom stánku Kompetenčného centra pre nové materiály, pokročilé technológie a energetiku - projekt Štrukturálnych fondov EÚ koordinovaný ústavom, boli predvádzané ukážky aplikácií supravodivosti a prípravy GaN pre elektroniku.

V decembri ústav navštívil prezident SR Andrej Kiska a minister školstva, vedy výskumu a športu Juraj Draxler.





Minister ŠVVaŠ diskutoval s Y. Nagasaki, doktorandom NASA, ktorý absolvoval 3-mesačný pobyt na ústave.

10. Činnosť knižnično-informačného pracoviska

10.1. Knižničný fond

Tabuľka 10a Knižničný fond

Knižničné jednotky spolu		
z toho	knihy a zviazané periodiká	7292
	audiovizuálne dokumenty	0
	elektronické dokumenty (vrátane digitálnych)	144
	mikroformy	0
	iné špeciálne dokumenty - dizertácie, výskumné správy	806
Počet titulov dochádzajúcich periodík		16
z toho zahraničné periodiká		9
Ročný prírastok knižničných jednotiek		6
v tom	kúpou	6
	darom	0
	výmenou	0
	bezodplatným prevodom	0
Úbytky knižničných jednotiek		0
Knižničné jednotky spracované automatizovane		7292

10.2. Výpožičky a služby

Tabuľka 10b Výpožičky a služby

Výpožičky spolu		52
z toho	odborná literatúra pre dospelých	52
	výpožičky periodík	0
	prezenčné výpožičky	0
MVS iným knižniciam		0
MVS z iných knižníc		0
MMVS iným knižniciam		0
MMVS z iných knižníc		0
Počet vypracovaných bibliografií		0
Počet vypracovaných rešerší		305

10.3. Používatelia

Tabuľka 10c Užívatelia

Registrovaní používatelia	104
Návštevníci knižnice spolu (bez návštevníkov podujatí)	75

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 €	12628

10.5. Iné informácie o knižničnej činnosti

11. Aktivity v orgánoch SAV

11.1. Členstvo vo Výbore Snemu SAV

11.2. Členstvo v Predsedníctve SAV a vo Vedeckej rade SAV

Ing. Karol Fröhlich, DrSc.

- člen Predsedníctva a VR

11.3. Členstvo vo vedeckých kolégiách SAV

Ing. Karol Fröhlich, DrSc.

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

Ing. Pavol Kováč, DrSc.

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

doc. RNDr. Martin Moško, DrSc.

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

11.4. Členstvo v komisiách SAV

Ing. Karol Fröhlich, DrSc.

- Akreditačná komisia SAV (predseda)
- Komisia SAV pre infraštruktúru a štrukturálne fondy (člen)
- Komisia SAV pre vesmírne aktivity (člen)
- Komisia SAV pre vyhodnocovanie medzinárodných projektov (predseda)
- Komisia SAV pre zahraničné styky (člen)

doc. Ing. Fedor Gömöry, DrSc.

- Komisia SAV pre informačné a komunikačné technológie (člen)

Ing. Peter Lobotka, CSc.

- Komisia SAV pre medzinárodnú vedecko-technickú spoluprácu (podpredseda)

doc. RNDr. Martin Moško, DrSc.

- Komisia SAV pre posudzovanie vedeckej kvalifikácie zamestnancov (člen)

doc. Ing. Jozef Novák, DrSc.

- Komisia SAV pre posudzovanie vedeckej kvalifikácie zamestnancov (člen)

Doc. RNDr. Silvester Takács, DrSc.

- Akreditačná komisia SAV (člen)

11.5. Členstvo v orgánoch VEGA

RNDr. Vladimír Cambel, DrSc.

- Komisia 1 matematické vedy, počítačové a informatické vedy a fyzikálne vedy, špecializácia: fyzikálne vedy (člen)

doc. RNDr. Edmund Dobročka, CSc.

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

Ing. Štefan Chromik, DrSc.

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

Ing. Jozef Osvald, DrSc.

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

12. Hospodárenie organizácie

12.1. Výdavky PO SAV

Tabuľka 12a Výdavky PO SAV (v €)

V ý d a v k y	Skutočnosť k 31.12.2014 spolu	v tom:			
		zo ŠR od zriaďovateľ a	z vlastných zdrojov	z iných zdrojov	z toho: ŠF EÚ
Výdavky spolu	3 509 708,93	1 553 129,09	410 468,14	1 546 111,70	984 671,93
Bežné výdavky	3 100 553,44	1 482 538,00	406 675,34	1 211 340,10	649 900,33
v tom:					
mzdy (610)	1 328 175,46	916 163,00	138 077,52	273 934,94	126 802,20
poistné a príspevok do poisťovní (620)	468 653,03	317 909,00	41 433,40	109 310,63	58 126,08
tovary a služby (630)	762 738,31	183 689,00	211 379,98	367 669,33	172 408,35
z toho: časopisy	6 452,19	6 010,00	442,19	0,00	0,00
VEGA projekty	112 327,00	112 327,00	0,00	0,00	0,00
MVTS projekty	26 655,00	26 655,00	0,00	0,00	0,00
CE	0,00	0,00	0,00	0,00	0,00
vedecká výchova	4 200,00	4 200,00	0,00	0,00	0,00
bežné transfery (640)	540 986,64	64 777,00	15 784,44	460 425,20	292 563,70
z toho: štipendiá	64 777,00	64 777,00	0,00	0,00	0,00
transfery partnerom projektov	476 209,64	0,00	15 784,44	460 425,20	292 563,70
Kapitálové výdavky	409 155,49	70 591,09	3 792,80	334 771,60	334 771,60
v tom:					
obstarávanie kapitálových aktív	371 925,09	70 591,09	3 792,80	297 541,20	297 541,20
kapitálové transfery	37 230,40	0,00	0,00	37 230,40	37 230,40
z toho: transfery partnerom projektov	37 230,40	0,00	0,00	37 230,40	37 230,40

12.2. Príjmy PO SAV

Tabuľka 12b Príjmy PO SAV (v €)

P r í j m y	Skutočnosť k 31.12.2014 spolu	v tom:	
		rozpočtové	z mimorozp. zdrojov
Príjmy spolu	3 357 631,08	1 553 130,00	1 804 501,08
Nedaňové príjmy	1 627 415,09	1 553 130,00	74 285,09
v tom:			
príjmy z prenájmu	0,00	0,00	0,00
príjmy z predaja výrobkov a služieb	72 699,89	0,00	72 699,89
iné	1 585,20	0,00	1 585,20
Granty a transfery (mimo zdroja 111)	1 730 215,99	0,00	1 730 215,99
v tom:			
tuzemské	693 206,47	0,00	693 206,47
z toho: APVV	574 316,00	0,00	574 316,00
iné	0,00	0,00	0,00
zahraniczne	165 856,34	0,00	165 856,34
z toho: projekty rámcového programu EÚ	165 856,34	0,00	165 856,34
iné	0,00	0,00	0,00

13. Nadácie a fondy pri organizácii SAV

14. Iné významné činnosti organizácie SAV

EIÚ je zapojený v nasledujúcich projektoch **Štrukturálnych fondov**:

1. **Kompetenčné centrum** – projekt predĺžený do júna r. 2015. Ostáva realizovať opravu prístavby na ÚM.
2. **Centrum aplikovaného výskumu nových materiálov a transferu technológií** – V rámci projektu boli inštalované nasledovné zariadenia - interferenčný stolík pre elektrónovú litografiu, expozičné zariadenie, zariadenie pre reaktívne iónové leptanie PlasmaLab100, kryogen free magnet 12 T, skvapalňovač pre PPMS, supravodivý magnet pre 2 T (\varnothing 200 mm) a zariadenie pre epitaxný rast GaN štruktúr - MOCVD od firmy Aixtron. S inštaláciou týchto zariadení boli spojené značné investície, ktoré musel EIÚ uhradiť z vlastných zdrojov.
3. Projekt **ENERGOZ** bol ukončený v septembri.
4. EIÚ rieši aj 2 projekty ŠF mimo BA (Piešťany), oba sú predĺžené.
5. V r. 2014 začal mimo BA projekt **Allegro** – vývoj jadrového reaktora IV generácie – tu riešime nedeštruktívne testovanie materiálov.

Ocenenia

Dvaja pracovníci získali projekt SASPRO na EIÚ SAV.

Výchova/pobyty na EIÚ :

1. EIÚ podpísal zmluvu s FEI STU o vytvorení spoločného pracoviska – v nej je podchytená spolupráca a výchova.
2. V roku 2014 z ústavu odišli traja mladí pracovníci – Jurkovič, Vallo, Čičo.
3. Pobyty zahraničných pracovníkov na EIÚ - na 3-mesačnom pobyte bol na EIÚ pracovník z NASA (USA) s cieľom pripraviť sa na využitie magnetickej neviditeľnosti vo vesmíre.

15. Vyznamenania, ocenenia a ceny udelené pracovníkom organizácie v roku 2014

15.1. Domáce ocenenia

15.1.1. Ocenenia SAV

Cena SAV za budovanie infraštruktúry pre vedu

Oceňovateľ: Predsedníctvo SAV

Opis: v rámci projektu ŠF Energoz

15.1.2. Iné domáce ocenenia

Feilhauer Juraj

Súťaž prác mladých fyzikov - 1. miesto

Oceňovateľ: Slovenská fyzikálna spoločnosť

15.2. Medzinárodné ocenenia

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

17. Problémy a podnety pre činnosť SAV

Správu o činnosti organizácie SAV spracoval(i):

RNDr. Vladimír Cambel, DrSc., 02/ 5922 2552

Ing. Jozef Fabian, CSc, 02/5922 2658

PhDr. Anna Gömöryová, 02/ 5922 2908

Riaditeľ organizácie SAV:



.....
RNDr. Vladimír Cambel, DrSc.

Prílohy**Príloha A****Zoznam zamestnancov a doktorandov organizácie k 31.12.2014****Zoznam zamestnancov podľa štruktúry (nadväzne na údaje v Tabuľke 1a)**

	Meno s titulmi	Úväzok (v %)	Ročný prepočítaný úväzok
Vedúci vedeckí pracovníci DrSc.			
1.	Ing. Karol Fröhlich, DrSc.	70	0.68
2.	doc. Ing. Fedor Gömory, DrSc.	100	1.00
3.	Ing. Štefan Chromik, DrSc.	60	0.93
4.	Ing. Pavol Kováč, DrSc.	100	1.00
5.	Ing. Ján Kuzmík, DrSc.	100	1.00
6.	Ing. Tibor Lalinský, DrSc.	100	1.00
7.	doc. RNDr. Martin Moško, DrSc.	100	1.00
8.	doc. Ing. Jozef Novák, DrSc.	100	1.00
9.	Ing. Jozef Osvald, DrSc.	100	1.00
10.	Doc. RNDr. Silvester Takács, DrSc.	40	0.40
Vedúci vedeckí pracovníci CSc., PhD.			
1.	RNDr. Štefan Beňačka, CSc.	40	0.40
2.	Ing. František Dubecký, CSc.	60	0.65
Samostatní vedeckí pracovníci			
1.	RNDr. Pavol Boháček, CSc.	100	1.00
2.	RNDr. Vladimír Cambel, DrSc.	100	1.00
3.	doc. RNDr. Edmund Dobročka, CSc.	100	1.00
4.	Ing. Ján Fedor, PhD	100	1.00
5.	RNDr. Dagmar Gregušová, CSc.	100	1.00
6.	RNDr. Štefan Haščík, PhD.	100	1.00
7.	Ing. Jozef Huran, CSc.	100	1.00
8.	RNDr. Dušan Korytár, CSc.	75	0.75
9.	RNDr. Michal Kučera, PhD	100	1.00
10.	Ing. Róbert Kúdela, CSc.	100	1.00
11.	Ing. Peter Lobotka, CSc.	100	1.00
12.	Mgr. Enric Pardo, PhD.	100	1.00
13.	Ing. Jozef Pitel, CSc.	100	1.00
14.	Ing. Alica Rosová, CSc.	100	1.00
15.	Mgr. Eugen Seiler, PhD	100	0.00

16.	Ing. Roman Stoklas, PhD.	100	1.00
17.	Ing. Ján Šoltýs, PhD	100	1.00
18.	Ing. Ján Šouc, CSc.	100	1.00
19.	RNDr. Marianna Španková, PhD	80	0.80
20.	RNDr. Vladimír Štrbík, CSc.	100	1.00
21.	Ing. Milan Ťapajna, PhD.	100	1.00
22.	Ing. Jaroslav Tóvik, PhD.	100	1.00
23.	Ing. Gabriel Vanko, PhD.	100	1.00
24.	Ing. Ivo Vávra, CSc.	60	0.93
25.	Mgr. Bohumír Zaťko, PhD	100	1.00
Vedeckí pracovníci			
1.	Ing. Jozef Fabian, CSc	100	1.00
2.	Mgr. Juraj Feilhauer, PhD.	100	0.00
3.	Ing. Ladislav Hrubčín, CSc.	20	0.00
4.	RNDr. Martin Hulman, PhD.	100	1.00
5.	Ing. Miloslav Kulich, PhD.	100	1.00
6.	Mgr. Agáta Laurenčíková, PhD.	100	1.00
7.	RNDr. Antónia Mošková, CSc.	80	0.80
8.	Ing. Marián Precner, PhD.	100	0.45
9.	Mgr. Michaela Sojková, PhD.	80	0.93
10.	Mgr. Mykola Soloviov, PhD.	100	1.00
11.	Ing. Michal Vojenčiak, PhD.	100	1.00
12.	Ing. Zdenko Zápražný, PhD.	100	1.00
Odborní pracovníci s VŠ vzdelaním			
1.	Ing. Michal Blaho	100	0.45
2.	Mgr. Jana Brndiarová	8	0.03
3.	Ing. Boris Brunner	17	0.10
4.	Mgr. Martin Dufala	40	0.45
5.	Ing. Jaroslav Dzuba	100	0.45
6.	Ing. Peter Eliáš	100	1.00
7.	Ing. Lubomír Frolek	100	1.00
8.	Mgr. Štefan Gaži	80	0.80
9.	PhDr. Anna Gömöryová	100	1.00
10.	Ing. Filip Gucmann	100	0.45
11.	Ing. Marek Hanuska	100	1.00

12.	Ing. Stanislav Hasenöhrl	100	1.00
13.	Ing. Imrich Hušek	100	1.00
14.	RNDr. Kristína Hušeková	100	1.00
15.	Ing. Peter Jančovič	8	0.08
16.	Ing. Milan Kapolka	8	0.03
17.	Mgr. Ján Kováč	100	1.00
18.	Ing. Eva Kováčová	100	1.00
19.	Ing. Pavol Kunzo	100	1.00
20.	Ing. Tibor Melišek	100	1.00
21.	Ing. Alica Miklášová	40	0.40
22.	Ing. Pavol Mozola	100	1.00
23.	Mgr. Vojtech Ogrodnik	40	0.40
24.	RNDr. Anton Pevala, CSc.	60	0.60
25.	Ing. Dominika Poláková	100	0.25
26.	Ing. Ivan Rýger	100	0.45
27.	Mgr. Katarína Sečianska	8	0.03
28.	Mgr. Mária Sekáčová	100	1.00
29.	Ing. Tomáš Ščepka	86	0.36
30.	RNDr. Vasilij Šmatko	60	0.90
31.	Ing. Lukáš Šveda	50	0.50
32.	Ing. Simona Zajkoska	8	0.08
33.	Ing. Marta Zofcsáková	100	1.00
Odborní pracovníci ÚSV			
1.	Juraj Arbet	100	1.00
2.	Ján Dérer	80	0.80
3.	Peter Drlička	100	1.00
4.	Dagmar Erbenová	100	1.00
5.	Iveta Grófova	100	1.00
6.	Martin Grujbár	100	1.00
7.	Lubomír Kopera	100	1.00
8.	Magdaléna Krajčírová	100	1.00
9.	Peter Martiš	100	1.00
10.	Pavol Mužík	80	0.80
11.	Edita Považanová	100	1.00
12.	Pavol Rác	60	0.80

13.	Jana Ryzá	100	1.00
14.	Alena Seifertová	100	1.00
15.	Edita Sýkorová	50	0.50
16.	Stanislav Štefánik	100	1.00
17.	Jozef Talapa	60	0.60
18.	Juraj Tančár	100	1.00
19.	Margita Valentínová	60	0.80
Ostatní pracovníci			
1.	Eva Domoráková	50	0.50
2.	Kvetoslava Hamburgová	100	1.00
3.	František Karovič	50	0.50
4.	Ján Matlovič	100	1.00
5.	Júlia Poláková	50	0.50
6.	Mária Poórová	50	0.50
7.	Róbert Vanek	100	1.00
8.	Irena Vinceková	100	1.00
9.	Jozef Volko	100	1.00

Zoznam zamestnancov, ktorí odišli v priebehu roka

	Meno s titulmi	Dátum odchodu	Ročný prepočítaný úväzok
Vedúci vedeckí pracovníci DrSc.			
1.	doc. Ing. Peter Kordoš, DrSc.	31.5.2014	0.25
Samostatní vedeckí pracovníci			
1.	Ing. Karol Čičo, PhD.	31.10.2014	0.83
2.	Ing. Daniel Machajdík, CSc.	10.8.2014	0.03
Vedeckí pracovníci			
1.	Mgr. Petra Barančeková Husaníková, PhD.	1.11.2014	0.04
2.	Ing. Boris Hudec, PhD.	1.12.2014	0.00
3.	Dr. Vassil Palankovski	31.1.2014	0.08
4.	Ing. Martin Vallo, PhD.	1.7.2014	0.00
Odborní pracovníci s VŠ vzdelaním			
1.	Ing. Michal Jurkovič	31.5.2014	0.42
2.	Ing. Zuzana Kohániová	30.9.2014	0.75
3.	Mgr. Michaela Rifliková	30.9.2014	0.06
4.	Ing. Michal Šulek	31.7.2014	0.01

Zoznam doktorandov

	Meno s titulmi	Škola/fakulta	Študijný odbor
Interní doktorandi hradení z prostriedkov SAV			
1.	Mgr. Jana Brndiarová	Fakulta matematiky, fyziky a informatiky UK	4.1.3 fyzika kondenzovaných látok a akustika
2.	Ing. Boris Brunner	Fakulta elektrotechniky a informatiky STU	5.2.48 fyzikálne inžinierstvo
3.	Ing. Peter Jančovič	Fakulta elektrotechniky a informatiky STU	5.2.13 elektronika
4.	Ing. Milan Kapolka	Fakulta elektrotechniky a informatiky STU	5.2.48 fyzikálne inžinierstvo
5.	Mgr. Katarína Sečianska	Fakulta matematiky, fyziky a informatiky UK	4.1.3 fyzika kondenzovaných látok a akustika
6.	Ing. Simona Zajkoska	Fakulta elektrotechniky a informatiky STU	5.2.48 fyzikálne inžinierstvo
Interní doktorandi hradení z iných zdrojov			
1.	Ing. Michal Blaho	Fakulta elektrotechniky a informatiky STU	5.2.13 elektronika
2.	Ing. Jaroslav Dzuba	Fakulta elektrotechniky a informatiky STU	5.2.13 elektronika
3.	Ing. Filip Gucmann	Fakulta elektrotechniky a informatiky STU	5.2.13 elektronika
4.	Mgr. Ján Kováč	Fakulta elektrotechniky a informatiky STU	5.2.48 fyzikálne inžinierstvo
5.	Ing. Pavol Kunzo	Fakulta elektrotechniky a informatiky STU	5.2.48 fyzikálne inžinierstvo
6.	Ing. Ivan Rýger	Fakulta elektrotechniky a informatiky STU	5.2.13 elektronika
7.	Ing. Tomáš Ščepka	Fakulta elektrotechniky a informatiky STU	5.2.48 fyzikálne inžinierstvo
Externí doktorandi			
<i>organizácia nemá externých doktorandov</i>			

Príloha B

Projekty riešené v organizácii

Medzinárodné projekty

Programy: Medziakademická dohoda (MAD)

1.) Kryštály pre vysokoenergetickú X-ray optiku a zobrazenie, detektory rtg a gama žiarenia (*Crystals for high energy x-ray optics and imaging and x-ray and gamma ray detectors*)

Zodpovedný riešiteľ: František Dubecký
Trvanie projektu: 1.1.2013 / 31.12.2015
Evidenčné číslo projektu:
Organizácia je koordinátorom projektu: áno
Koordinátor: Elektrotechnický ústav SAV
Počet spoluriešiteľských inštitúcií: 1 - Taliansko: 1
Čerpané financie:

Dosiahnuté výsledky:

Dubecký, F., Oswald, J., Kindl, D., Hubík, P., Gombia, E., Šagátová, A., Boháček, P., Sekáčová, M., Nečas, V., Mudroň, J.: Photocurrent spectroscopy of semi-insulating GaAs M-S-M diodes with a new contact metallization. In: Proc. 20th Inter. Conf. on Applied Phys. of Cond. Matter (APCOM 2014). Eds. J. Vajda and I. Jamnický. Bratislava: FEI STU 2014. P. 214-218.

Dubecký, F., Zaťko, B., Vanko, G., Hubík, P., Oswald, J., Kindl, D., Gombia, E., Kováč, J., Šagátová, A., Nečas, V.: M/SI-GaAs/M diode: role of the metal contact in electrical transport, ?-particle and photon detection In: ASDAM 2014. Eds. J. Breza et al. IEEE 2014. ISBN 978-1-4799-5474-2. P. 49-52.

2.) Príprava a vlastnosti supravodivých, manganitových a dielektrických vrstiev pre moderné elektronické aplikácie (*Preparation and properties of superconducting, manganite and dielectric films for modern electronic applications*)

Zodpovedný riešiteľ: Štefan Chromik
Trvanie projektu: 1.1.2013 / 31.12.2015
Evidenčné číslo projektu:
Organizácia je koordinátorom projektu: áno
Koordinátor: Elektrotechnický ústav SAV
Počet spoluriešiteľských inštitúcií: 1 - Poľsko: 1
Čerpané financie:

Dosiahnuté výsledky:

3.) Výskum efektu blízkosti a spinovej injekcie v dvojvrstvových epitaxných štruktúrach z feromagnetických manganátov a vysokoteplotných supravodičov (*Investigation of the proximity effect and spin injection in epitaxial bi-layer structures of ferromagnetic manganites and high temperature superconductors*)

Zodpovedný riešiteľ: Vladimír Štrbík
Trvanie projektu: 1.1.2012 / 31.12.2015
Evidenčné číslo projektu:
Organizácia je koordinátorom projektu: áno
Koordinátor: Elektrotechnický ústav SAV
Počet spoluriešiteľských inštitúcií: 2 - Bulharsko: 2
Čerpané financie:

Dosiahnuté výsledky:

Blagoev, B., Gostev, I., Nurgaliev, T., Štrbík, V., Bineva, I., Uspenskaya, L., Mateev, E., Neshkov, L., Dobročka, E., Chromik, Š. : Deposition and characterization of thin HTS and magnetic perovskite films. J. Phys.: Conf. Ser. 514 (2014) 012041

Nurgaliev, T., Blagoev, B., Mateev, E., Neshkov, L., Štrbík, V., Uspenskaya, L., Nedkov, I., Chromik, Š. : Investigation of DC current injection effect on the microwave characteristics of HTS YBCO microstrip resonators, Physica C 498 (2014) 1-4.

Štrbík, V., Blagoev, B., Mateev, E., Nurgaliev, T., : Electrical transport in epitaxial and polycrystalline thin LSMO films, J. Phys.: Conf. Ser. 514 (2014) 012042.

Blagoev, B., Nurgaliev, T., Bineva, I., Vasileva, E., Štrbík, V., Mateev, E.: Resistive characteristics of LSMO/LCMO bi-layers and temperature switching effect of magnetoresistance, Modern Phys. Lett. B 28 (2014) 1450096.

4.) Pokročilé M(N)EMS prvky na báze materiálového systému GaN-Diamant (*Advanced M(N)EMS devices on the base of GaN-Diamond material systems*)

Zodpovedný riešiteľ: Gabriel Vanko
Trvanie projektu: 1.1.2012 / 31.12.2014
Evidenčné číslo projektu:
Organizácia je koordinátorom projektu: áno
Koordinátor: Elektrotechnický ústav SAV
Počet spoluriešiteľských inštitúcií: 1 - Česko: 1
Čerpané financie:

Programy: COST

5.) Hybridné zariadenia na uskladňovanie energie v mobilných a stacionárnych aplikáciách (*Hybrid energy storage devices and systems for mobile and stationary applications*)

Zodpovedný riešiteľ: Fedor Gömöry
Trvanie projektu: 2.5.2011 / 1.5.2015
Evidenčné číslo projektu: MP1004
Organizácia je koordinátorom projektu: nie
Koordinátor: WTTC Berlin
Počet spoluriešiteľských inštitúcií: 24 - Belgicko: 2, Bulharsko: 1, Česko: 1, Nemecko: 1, Španielsko: 2, Estónsko: 1, Fínsko: 1, Francúzsko: 1, Veľká Británia: 1, Grécko: 1, Švajčiarsko: 1, Írsko: 1, Izrael: 1, Taliansko: 1, Lotyšsko: 1, Nórsko: 1, Poľsko: 1, Portugalsko: 1, Rumunsko: 1, Srbsko: 1, Slovensko: 0, Turecko: 2
Čerpané financie: Podpora medzinárodnej spolupráce z národných zdrojov: 3233 €

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

Zodpovedný riešiteľ: Dušan Korytár
Trvanie projektu: 16.11.2012 / 15.11.2016
Evidenčné číslo projektu: MP1203
Organizácia je koordinátorom projektu: nie
Koordinátor: Laboratoire d'Optique Appliquée, ENSTA-ParisTech, CNRS, Ecole Polytechnique
Počet spoluriešiteľských inštitúcií: 24 - Rakúsko: 1, Česko: 2, Nemecko: 1, Dánsko: 1, Španielsko: 1, Estónsko: 2, Fínsko: 1, Francúzsko: 1, Veľká Británia: 1, Grécko: 0, Chorvátsko: 1, Maďarsko: 1, Švajčiarsko: 1, Írsko: 1, Taliansko: 1, Poľsko: 1, Portugalsko: 1, Rumunsko: 2, Srbsko: 1, Slovinsko: 1, Švédsko: 1, Turecko: 1
Čerpané financie: Podpora medzinárodnej spolupráce z národných zdrojov: 3233 €

7.) Koloidné aspekty nanovedy pre inovatívne procesy a materiály (*Colloidal aspects of nanoscience for innovative processes and materials*)

Zodpovedný riešiteľ: Peter Lobotka
Trvanie projektu: 19.1.2012 / 18.1.2016
Evidenčné číslo projektu: CM1101
Organizácia je koordinátorom projektu: nie
Koordinátor: J. Haber Institute of Catalysis and Surface Chemistry
Počet spoluriešiteľských inštitúcií: 33 - Rakúsko: 1, Belgicko: 1, Bulharsko: 1, Cyprus: 1, Česko: 1, Nemecko: 1, Dánsko: 1, Španielsko: 1, Fínsko: 1, Francúzsko: 1, Veľká Británia: 1, Grécko: 1, Chorvátsko: 1, Maďarsko: 1, Švajčiarsko: 1, Írsko: 1, Izrael: 1, Taliansko: 2, Litva: 1, Lotyšsko: 1,

Malta: 1, Holandsko: 1, Nórsko: 1, Poľsko: 1, Portugalsko: 1,
Rumunsko: 1, Srbsko: 1, Slovensko: 2, Slovinsko: 1, Švédsko: 1,
Turecko: 1

Čerpané financie:

Podpora medzinárodnej spolupráce z národných zdrojov: 2667 €

8.) Výmena poznatkov o iónových kvapalinách (*Exchange on ionic liquids*)

Zodpovedný riešiteľ: Peter Lobotka
Trvanie projektu: 15.5.2013 / 14.5.2017
Evidenčné číslo projektu: CM1206
Organizácia je koordinátorom projektu: nie
Koordinátor: Technical University of Denmark
Počet spoluriešiteľských inštitúcií: 25 - Rakúsko: 1, Belgicko: 1, Bulharsko: 1, Česko: 1, Nemecko: 1, Dánsko: 1, Španielsko: 1, Estónsko: 1, Fínsko: 1, Francúzsko: 2, Veľká Británia: 1, Grécko: 1, Maďarsko: 1, Švajčiarsko: 1, Írsko: 1, Taliansko: 1, Litva: 1, Holandsko: 1, Nórsko: 1, Poľsko: 1, Portugalsko: 1, Slovinsko: 1, Švédsko: 1, Turecko: 1

Čerpané financie:

Podpora medzinárodnej spolupráce z národných zdrojov: 4333 €

9.) Supravodivosť na nanoškále: Nové funkcionality prostredníctvom optimalizovaného ohraničenia kondenzátu a polí (*Nanoscale Superconductivity:*)

Zodpovedný riešiteľ: Peter Samuely
Zodpovedný riešiteľ v organizácii SAV: Vladimír Cambel
Trvanie projektu: 19.10.2012 / 18.10.2016
Evidenčné číslo projektu: 4141/12
Organizácia je koordinátorom projektu: nie
Koordinátor: Katholieke Universiteit Leuven, Institute for Nanoscale Physics and Chemistry
Počet spoluriešiteľských inštitúcií: 49 - Rakúsko: 2, Belgicko: 3, Česko: 3, Nemecko: 4, Dánsko: 2, Španielsko: 4, Estónsko: 1, Fínsko: 4, Francúzsko: 3, Veľká Británia: 6, Grécko: 1, Chorvátsko: 1, Švajčiarsko: 3, Taliansko: 2, Holandsko: 3, Nórsko: 2, Poľsko: 1, Portugalsko: 1, Slovensko: 1, Slovinsko: 1, Turecko: 1

Čerpané financie:

10.) Moderné rtg zobrazovacie a tomografické metódy využívajúce fázový kontrast (*Enhanced X-ray tomographic reconstruction: experiment, modeling, and algorithms*)

Zodpovedný riešiteľ: Zdenko Zápražný
Trvanie projektu: 16.5.2013 / 15.5.2017
Evidenčné číslo projektu: MP1207
Organizácia je koordinátorom projektu: nie

Koordinátor: CWI, Science Park 123, NL-1090GB Amsterdam
Počet spoluriešiteľských inštitúcií: 19 - Rakúsko: 1, Belgicko: 1, Cyprus: 1, Nemecko: 1, Dánsko: 1, Španielsko: 1, Fínsko: 1, Francúzsko: 1, Veľká Británia: 1, Grécko: 1, Maďarsko: 1, Švajčiarsko: 1, Taliansko: 1, Holandsko: 1, Nórsko: 1, Poľsko: 1, Srbsko: 1, Švédsko: 1, Turecko: 1

Čerpané financie: Podpora medzinárodnej spolupráce z národných zdrojov: 3233 €

Programy: 7RP

11.) Vývoj supravodivých pásov v Európe: Nové materiály a architektúry pre zníženie nákladov silnoprúdových aplikácií a magnetov (*European development of superconducting tapes: Integrating novel materials and architectures into cost effective processes for power applications and magnets*)

Zodpovedný riešiteľ: Fedor Gömöry
Trvanie projektu: 1.9.2012 / 28.2.2017
Evidenčné číslo projektu: NMP3-LA-2012-280432
Organizácia je koordinátorom projektu: nie
Koordinátor: CSIC ICMAB, Barcelona
Počet spoluriešiteľských inštitúcií: 8 - Rakúsko: 1, Belgicko: 1, Nemecko: 1, Španielsko: 1, Francúzsko: 1, Veľká Británia: 1, Taliansko: 1, Rumunsko: 1
Čerpané financie: EÚ: 89830 €
Podpora medzinárodnej spolupráce z národných zdrojov: 3233 €

12.) Supravodivá, spoľahlivá, ľahká a výkonnejšia veterná turbína umiestnená mimo pobrežia (*Superconducting, reliable, lightweight, and more powerful offshore wind turbine*)

Zodpovedný riešiteľ: Pavol Kováč
Trvanie projektu: 1.12.2012 / 31.12.2016
Evidenčné číslo projektu: 308793
Organizácia je koordinátorom projektu: nie
Koordinátor: TECNALIA
Počet spoluriešiteľských inštitúcií: 7 - Nemecko: 2, Španielsko: 2, Francúzsko: 1, Veľká Británia: 1, Taliansko: 1
Čerpané financie: EÚ: 26490 €
APVV: 12644 €
Podpora medzinárodnej spolupráce z národných zdrojov: 3233 €

Dosiahnuté výsledky:

Sanz, S, T. Arlaban, R. Manzananas, M. Tropeano, R. Funke, P. Kováč, Y. Yang, H. Neuman, X. Duluc and S. Sanz, Superconducting light generator for large offshore wind turbines, J. Phys. Conf. Ser. 507 (2014) 032040

P. Kováč, L. Kopera, T. Melišek, G. Sarmiento, S. Sanz, S. Brisigotti, D. Nardelli and M. Tropeano: Tensile and bending strain tolerance of ex-situ MgB₂/Ni/Cu tape superconductor, IEEE Trans on Applied Superconductivity, accepted

13.) Normálne zatvorené spínacie tranzistory na báze GaN pre efektívne prevodníky výkonu
(*GaN-based normally-off high power switching transistor for efficient power converters*)

Zodpovedný riešiteľ: Ján Kuzmík
Trvanie projektu: 1.9.2011 / 30.8.2014
Evidenčné číslo projektu: 287602
Organizácia je koordinátorom projektu: nie
Koordinátor: Forschungsverbund Berlin e.V.
Počet spoluriešiteľských inštitúcií: 6 - Rakúsko: 3, Belgicko: 1, Nemecko: 1, Taliansko: 1
Čerpané financie: EÚ: 13408 €
APVV: 5102 €
Podpora medzinárodnej spolupráce z národných zdrojov: 3489 €

Dosiahnuté výsledky:

Ťapajna, M., Jurkovič, M., Válik, L., Haščík, Š., Gregušová, D., Brunner, F., Cho, E.M., Hashizume, T., and Kuzmík, J.: Impact of GaN cap on charges in Al₂O₃/(GaN)/AlGaIn/GaN metal-oxide-semiconductor heterostructures analyzed by means of capacitance measurements and simulations, J. Applied Phys. 116 (2014) 104501.

Kuzmík, J., Jurkovič, M., Gregušová, D., Ťapajna, M., Brunner, F., Cho, E., Meneghesso, G., Würfl, H.: Degradation of AlGaIn/GaN high-electron mobility transistors in the current-controlled off-state breakdown. J. Applied Phys. 115 (2014) 164504.

Gregušová, D., Jurkovič, M., Haščík, Š., Blaho, M., Seifertová, A., Fedor, J., Ťapajna, M., Fröhlich, K., Vogrinčič, P., Liday, J., Derluyn, J., Germain, M., Kuzmík, J.: Adjustment of threshold voltage in AlN/AlGaIn/GaN high-electron mobility transistors by plasma oxidation and Al₂O₃ atomic layer deposition overgrowth. Applied Phys. Lett. 104 (2014) 013506.

Kuzmík, J., Ťapajna, M., Válik, L., Molnár, M., Donoval, D., Fleury, C., Pogany, D., Strasser, G., Hilt, O., Brunner, F., Würfl, H.: Self-heating in GaN transistors designed for high-power operation, IEEE Trans. Electron Dev. 61 (2014) 3429-3434.

Programy: Multilaterálne - iné

14.) Slovenské aktivity vo výskume fúzie (*Slovak Fusion RTD Activities*)

Zodpovedný riešiteľ: Fedor Gömöry
Trvanie projektu: 1.1.2007 / 31.12.2014
Evidenčné číslo projektu: FU-CT-2007-00051
Organizácia je koordinátorom projektu: nie
Koordinátor: FMFI UK v Bratislave
Počet spoluriešiteľských inštitúcií: 2 - Slovensko: 2
Čerpané financie: EÚ: 24281 €

15.) Magnetický systém (*Magnet system*)

Zodpovedný riešiteľ: Michal Vojenčiak
Trvanie projektu: 1.7.2014 / 30.6.2020
Evidenčné číslo projektu:
Organizácia je koordinátorom projektu: nie
Koordinátor: CEA/Saclay
Počet spoluriešiteľských inštitúcií: 3 - Francúzsko: 1, Švajčiarsko: 1, Taliansko: 1
Čerpané financie:

Programy: EMRP (EURAMET)

16.) Mikrovlnná a terahertzová metrológia pre bezpečnosť domácností (*Microwave and terahertz metrology for homeland security*)

Zodpovedný riešiteľ: Peter Lobotka
Trvanie projektu: 1.6.2012 / 30.5.2015
Evidenčné číslo projektu: EMRP - NEW07 THz Security
Organizácia je koordinátorom projektu: nie
Koordinátor: PTB Braunschweig
Počet spoluriešiteľských inštitúcií: 7 - Česko: 1, Nemecko: 3, Francúzsko: 1, Švajčiarsko: 1, Taliansko: 1
Čerpané financie:

Programy: ENIAC

17.) Zelená energia pre spoločnosť (*Energy for a Green Society*)

Zodpovedný riešiteľ: Jozef Novák
Trvanie projektu: 1.6.2011 / 31.5.2014
Evidenčné číslo projektu: 270722-2
Organizácia je koordinátorom projektu: nie
Koordinátor: STMicroelectronics S.r.l.
Počet spoluriešiteľských inštitúcií: 35 - Belgicko: 2, Nemecko: 8, Španielsko: 2, Veľká Británia: 3, Írsko: 3, Taliansko: 11, Holandsko: 3, Slovensko: 3
Čerpané financie:

Projekty národných agentúr

Programy: VEGA

1.) Technológia prípravy a štúdium metalizačných vrstiev pre plošné detektory ionizačného žiarenia na báze SI GaAs (*Technology and study of metalization layers for area radiation detectors on base of semi-insulating GaAs*)

Zodpovedný riešiteľ: Pavol Boháček
Trvanie projektu: 1.1.2013 / 31.12.2015
Evidenčné číslo projektu: 2/0175/13
Organizácia je koordinátorom projektu: áno
Koordinátor: Elektrotechnický ústav SAV
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: VEGA: 3770 €

Dosiahnuté výsledky:

Zaľko, B., Sedlačková, K., Dubecký, F., Šagátová, A., Boháček, P., and Nečas, V.: Semiconductor detector based on 4H-SiC and analysis of its active region thickness, *J. Instrument.* 9 (2014) C05041.

Huran, J., Kleinová, A., Sasinkova, V., Kobzev, A.P., Boháček, P., Sekáčová, M., and Arbet, J.: Plasma enhanced chemical vapor deposition of low-k a-SiC:H thin films: FTIR study of chemical bonding. In: *Proc. ADEPT. 2st Inter. Conf. on Advan. in Electronic and Photonic Technol.* Eds. D. Pudiš et al. Žilina: Univ. Žilina 2014. ISBN 978-80-554-0881-1. P. 168-171.

Dubecký, F., Oswald, J., Kindl, D., Hubík, P., Gombia, E., Šagátová, A., Boháček, P., Sekáčová, M., Nečas, V., and Mudroň, J.: Photocurrent spectroscopy of semi-insulating GaAs M-S-M diodes with a new contact metallization. In: *Proc. 20th Inter. Conf. on Applied Phys. of Cond. Matter (APCOM 2014).* Eds. J. Vajda and I. Jamnický. Bratislava: FEI STU 2014. P. 214-218.

Boháček, P., Dubecký, F., Sekáčová, M., and Zaľko, B.: Temperature dependences of current-voltage characteristics on metal/semi-insulating GaAs structures. In: *Proc. 20th Inter. Conf. on Applied Phys. of Cond. Matter (APCOM 2014).* Eds. J. Vajda and I. Jamnický. Bratislava: FEI STU 2014. P. 145-148.

Zaľko, B., Dubecký, F., Sedlačková, K., Šagátová, A., Boháček, P., Sekáčová, M., and Nečas, V.: Analysis of detection properties of particle detectors based on 4H-SiC high quality epitaxial layer. In: *ASDAM 2014.* Eds. J. Breza et al. IEEE 2014. ISBN 978-1-4799-5474-2. P. 65-68.

Boháček, P., Zaľko, B., Šagátová, A., Hybler, P., and Sekáčová, M.: Electrical properties of semi-insulating GaAs irradiated with 5 MeV electrons. In: *ASDAM 2014.* Eds. J. Breza et al. IEEE 2014. ISBN 978-1-4799-5474-2. P. 45-48.

Huran, J., Boháček, P., Kulikov, S.A., Shabalin, E.P., Sasinkova, V., Kleinova, A., Kobzev, A.P., Sekáčová, M., and Arbet, J.: Radiation hardness investigation of PECVD silicon carbide layers for PV applications. In: *40th IEEE Photovoltaic Specialists Conf. Denver 2014.* Výveska.

Dubecký, F., Zaľko, B., Vanko, G., Hubík, P., Oswald, J., Kindl, D., Gombia, E., Kováč, J., Šagátová, A., Nečas, V., : M/SI-GaAs/M diode: role of the metal contact in electrical transport,

?-particle and photon detection In: ASDAM 2014. Eds. J. Breza et al. IEEE 2014. ISBN 978-1-4799-5474-2. P. 49-52.

Kosa, A., Benkovská, J., Stuchlíková, L., Búc, D., Dubecký, F., Harmatha, L.: Radiation hardness of 4H-SiC structures In: ASDAM 2014. Eds. J. Breza et al. IEEE 2014. ISBN 978-1-4799-5474-2. P. 41-44.

Dubecký, M., Dubecký, F., : The work functions of Au/Mg decorated Au(100), Mg(001), and AuMg alloy surfaces: a theoretical studies. J. Chem. Phys. 141 (2014) 094705.

Šagátová, A., Zaťko, B., Sedlačková, K., Pavlovič, M., Nečas, V.: GaAs detectors irradiated by electrons at different dose rates, Journal of Instrumentation 2014, accepted

2.) Štúdium magnetických efektov vo feromagnetických nanoobjektoch (*Study of magnetic effect in ferromagnetic nanoobjects*)

Zodpovedný riešiteľ: Vladimír Cambel
Trvanie projektu: 1.1.2012 / 31.12.2014
Evidenčné číslo projektu: 2/0037/12
Organizácia je koordinátorom projektu: áno
Koordinátor: Elektrotechnický ústav SAV
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: VEGA: 13843 €

Dosiahnuté výsledky:

Ščepka, T., Šoltýs, J., Precner, M., Fedor, J., Tóbič, J., Gregušová, D., Guemann, F., Kúdela, R., and Cambel, V.: Vortex dynamics in ferromagnetic nanoelements observed by micro-hall probes, Acta Phys. Polonica A 126 (2014) 390-391.

Precner, M., Fedor, J., Tóbič, J., Šoltýs, J., and Cambel, V.: High resolution tips for switching magnetization MFM, Acta Phys. Polonica A 126 (2014) 386-387.

Precner, M., Fedor, J., Šoltýs, J., and V. Cambel: Dual-tip magnetic force microscopy with suppressed influence on magnetically soft samples, Nanotechnology, accepted.

3.) Príprava tenkých vrstiev technológiou nanášania po atómových vrstvách (*Growth of thin films using Atomic Layer Deposition*)

Zodpovedný riešiteľ: Karol Fröhlich
Trvanie projektu: 1.1.2014 / 31.12.2017
Evidenčné číslo projektu: 2/0138/14
Organizácia je koordinátorom projektu: áno
Koordinátor: Elektrotechnický ústav SAV
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: VEGA: 15283 €

Dosiahnuté výsledky:

Ťapajna, M., Jurkovič, M., Válik, L., Haščík, Š., Gregušová, D., Brunner, F., Cho, E.M., Hashizume, T., and Kuzmík, J.: Impact of GaN cap on charges in Al₂O₃/(GaN)/AlGaIn/GaN metal-oxide-semiconductor heterostructures analyzed by means of capacitance measurements and simulations, J. Applied Phys. 116 (2014) 104501.

Aarik, L., Arroval, T., Rammula, R., Mändar, H., Sammelselg, V., Hudec, B., Hušeková, K., Fröhlich, K., Aarik, J., : Atomic layer deposition of high-quality Al₂O₃ and Al-doped TiO₂ thin films from hydrogen-free precursors,. Thin Solid Films 565 (2014) 19-24.

Gucmann, F., Gregušová, D., Stoklas, R., Dérer, J., Kúdela, R., Fröhlich, K., Kordoš, P., : InGaAs/GaAs metal-oxide-semiconductor heterostructure field-effect transistors with oxygen-plasma oxide and Al₂O₃ double-layer insulator. Applied Phys. Lett. 105 (2014) 183504.

Jančovič, P., Hudec, B., Dobročka, E., Dérer, J., Fedor, J., Fröhlich, K., : Resistive switching in HfO₂-based atomic layer deposition grown metal-insulator-metal structures. Applied Surface Sci 312 (2014) 112-116.

Hudec, B., Paskaleva, A., Jančovič, P., Dérer, J., Fedor, J., Rosová, A., Dobročka, E., Fröhlich, K., : Resistive switching in TiO₂-based metal-insulator-metal structures with Al₂O₃ barrier layer at the metal/dielectric interface. Thin Solid Films 563 (2014) 10-14.

4.) Vplyv nehomogenít na úžitkové vlastnosti pásovk na báze vysokoteplotných supravodivých materiálov (*Effects of inhomogeneities on functional properties of high-temperature superconducting wires*)

Zodpovedný riešiteľ: Fedor Gömöry
Trvanie projektu: 1.1.2011 / 31.12.2014
Evidenčné číslo projektu: 1/0162/11
Organizácia je koordinátorom projektu: nie
Koordinátor: Materiálovotechnologická fakulta STU v Trnave
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: VEGA: 2844 €

Dosiahnuté výsledky:

Pekarčíková, M., Skarba, M., Konopka, P., Janovec, J., Soloviov, M., Pardo, E., and Gömöry, F.: Investigation of defects in functional layer of high temperature superconducting tapes, Physica C 497 (2014) 24-29. IF 1.11

5.) Technológia hradiel s izolujúcou vrstvou pre kvalitné, vyskúšané III-As a III-N tranzistory (*Insulated gate technologies for high-performance III-As and III-N transistors*)

Zodpovedný riešiteľ: Dagmar Gregušová
Trvanie projektu: 1.1.2013 / 31.12.2016
Evidenčné číslo projektu: 2/0105/13
Organizácia je koordinátorom projektu: áno
Koordinátor: Elektrotechnický ústav SAV

Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: VEGA: 6792 €

6.) MEMS senzory na báze nanoštruktúr tenkých vrstiev pre detekciu plynov a stopových ťažkých kovov (*MEMS sensors based on nanostructured thin films for gas detection and determination of heavy metals*)

Zodpovedný riešiteľ: Štefan Haščík
Trvanie projektu: 1.1.2012 / 31.12.2015
Evidenčné číslo projektu: 1/1106/12
Organizácia je koordinátorom projektu: nie
Koordinátor: ÚFE FEI STU
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: VEGA: 1141 €

Dosiahnuté výsledky:

Hotový, I., Haščík, Š., Gregor, M., Řeháček, V., Predanocy, M., and Plecenik, A.: Dry etching characteristics of TiO₂ thin films using inductively coupled plasma for gas sensing, *Vacuum* 107 (2014) 20-22.

Hotový, I., Kostič, I., Haščík, Š., Řeháček, V., Predanocy, M., and Bencurova, A.: Patterning of titanium oxide surfaces using inductively coupled plasma for gas sensing, *Applied Surface Sci* 312 (2014) 107-111

7.) Príprava a štúdium vlastností supravodivých a feromagnetických vrstiev a štruktúr pre kryoelektroniku a senzoriku (*Perspective thin films and structures for electronic applications*)

Zodpovedný riešiteľ: Štefan Chromik
Trvanie projektu: 1.1.2014 / 31.12.2017
Evidenčné číslo projektu: 2/0120/14
Organizácia je koordinátorom projektu: áno
Koordinátor: Elektrotechnický ústav SAV
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: VEGA: 5094 €

Dosiahnuté výsledky:

Sojková, M., Štrbik, V., Španková, M., Chromik, Š.: Patterning of Tl-based superconducting films using new etching solution. *Applied Surface Sci* 312 (2014) 208-211.

Chromik, Š., Štrbik, V., Dobročka, E., Roch, T., Rosová, A., Španková, M., Lalinský, T., Vanko, G., Lobotka, P., Ralbovský, M., Choleva, P.: LSMO thin films with high metal-insulator transition temperature on buffered SOI substrates for uncooled microbolometers. *Applied Surface Sci* 312 (2014) 30-33.

Štrbik, V., Reiffers, M., Dobročka, E., Šoltýs, J., Španková, M., Chromik, Š.: Epitaxial LSMO thin

films with correlation of electrical and magnetic properties above 400K. Applied Surface Sci 312 (2014) 212-215.

8.) Jemno-vláknitý supravodič MgB₂ pre striedavé aplikácie (*Fine-filamentary MgB₂ superconductor for AC applications*)

Zodpovedný riešiteľ: Pavol Kováč
Trvanie projektu: 1.1.2012 / 31.12.2015
Evidenčné číslo projektu: 2-0121-12
Organizácia je koordinátorom projektu: áno
Koordinátor: Elektrotechnický ústav SAV
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: VEGA: 13585 €

Dosiahnuté výsledky:

Kováč, P., Hušek, I., Melišek, T., Kopera, L., and Kováč, J.: Critical currents, I_c -anisotropy and stress tolerance of MgB₂ wires made by internal magnesium diffusion, Supercond. Sci Technol. 27 (2014) 065003. IF 2.8

Brunner, B., Kováč, P., Reissner, M., Hušek, I., Melišek, T., and Pardo, E.: Critical current density and pinning behaviour of mono-core MgB₂ wires prepared by internal magnesium diffusion and in-situ powder-in-tube method, Physica C 505 (2014) 39-43. IF 1.11

9.) Vysokoteplotná mikrovlnná charakterizácia pokročilých polovodičových prvkov (*High temperature microwave characterization of advanced semiconductor devices*)

Zodpovedný riešiteľ: Tibor Lalinský
Trvanie projektu: 1.1.2012 / 31.12.2015
Evidenčné číslo projektu: 1/0839/12
Organizácia je koordinátorom projektu: áno
Koordinátor: Elektrotechnický ústav SAV
Počet spoluriešiteľských inštitúcií: 1 - Slovensko: 1
Čerpané financie: VEGA: 2169 €

Dosiahnuté výsledky:

Rýger, G. Vanko, T. Lalinský, P. Nemeč, A. Benčúrová, M. Tomáška, The enhancement of mass-sensitivity of GaN/SiC based hydrogen SAW sensor, Surface Acoustic Wave Sensor Symp., October 30-31, Vienna 2014.

Rýger, I., Vanko, G., Lalinský, T., Nemeč, P., Benčurová, A., Tomáška, M., and Haščík, Š.: The GaN/SiC heterostructure-based hydrogen SAW sensor operating in GHz range. In: EUROSENSORS 2014. Brescia 2014.

10.) Teoretické štúdium vodivosti a perzistentných prúdov v nízkorozmerných mezoskopických systémoch: Vplyv interakcie, disorderu a pásovej štruktúry (*Theoretical study of conductance and persistent currents in low-dimensional mesoscopic systems: effects of*

interaction, disorder, and band structure)

Zodpovedný riešiteľ: Martin Moško
Trvanie projektu: 1.1.2014 / 31.12.2016
Evidenčné číslo projektu: 2/0200/14
Organizácia je koordinátorom projektu: áno
Koordinátor: Elektrotechnický ústav SAV
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: VEGA: 4245 €

11.) Nanoštruktúry a ich aplikácie v optoelektronických súčiastkach (*Advanced nanostructures for application in optoelectronic devices*)

Zodpovedný riešiteľ: Jozef Novák
Trvanie projektu: 1.1.2013 / 31.12.2016
Evidenčné číslo projektu: 2/0098/13
Organizácia je koordinátorom projektu: áno
Koordinátor: Elektrotechnický ústav SAV
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: VEGA: 9849 €

12.) Pokročilé AlGaIn/GaN HEMT a MISHEMT tranzistory pre vysokoteplotnú elektroniku a senzoriku (*Advanced AlGaIn/GaN HEMT and MISHEMT transistors for high temperature electronics and sensors*)

Zodpovedný riešiteľ: Jozef Osvald
Trvanie projektu: 1.1.2013 / 31.12.2016
Evidenčné číslo projektu: 2/0167/13
Organizácia je koordinátorom projektu: áno
Koordinátor: Elektrotechnický ústav SAV
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: VEGA: 6904 €

Dosiahnuté výsledky:

Osvald, J., Stoklas, R. and Kordoš, P.: Extraction of interface traps density of Al₂O₃/AlGaIn/GaN MIS heterostructure capacitance. Phys. Stat. Solidi B (1-5) (2014) DOI 10.1002pssb201451468, in press.

Osvald, J., Stoklas, R. and Kordoš, P.: Low frequency and high frequency capacitance of AlGaIn/GaN heterostructures with interface traps, Mat. Sci. Semicond. Proc., in press.

13.) Káblované vodiče konštruované z páskových YBCO supravodičov vhodné pre zhotovenie magnetických systémov silových zariadení (*Cables made of YBCO tape superconductors aimed for magnetic systems and energy applications*)

Zodpovedný riešiteľ: Ján Šouc
Trvanie projektu: 1.1.2012 / 31.12.2014
Evidenčné číslo projektu: 2-0164-12
Organizácia je koordinátorom projektu: áno
Koordinátor: Elektrotechnický ústav SAV
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: VEGA: 5336 €

14.) Mezoskopické vlastnosti supravodivých tenkovrstvových nanoštruktúr (*Mesoscopic properties of thin film superconducting nanostructures*)

Zodpovedný riešiteľ: Vladimír Štrbík
Trvanie projektu: 1.1.2013 / 31.12.2015
Evidenčné číslo projektu: 2/0173/13
Organizácia je koordinátorom projektu: áno
Koordinátor: Elektrotechnický ústav SAV
Počet spoluriešiteľských inštitúcií: 1 - Bulharsko: 1
Čerpané financie: VEGA: 3568 €

Dosiahnuté výsledky:

Blagoev, B., Nurgaliev, T., Bineva, I., Vasileva, E., Štrbík, V., Mateev, E.: Resistive characteristics of LSMO/LCMO bi-layers and temperature switching effect of magnetoresistance,. Modern Phys. Lett. B 28 (2014) 1450096.

Sojková, M., Štrbík, V., Španková, M., Chromik, Š.: Patterning of Tl-based superconducting films using new etching solution. Applied Surface Sci 312 (2014) 208-211.

Chromik, Š., Štrbík, V., Dobročka, E., Roch, T., Rosová, A., Španková, M., Lalinský, T., Vanko, G., Lobotka, P., Ralbovský, M., Choleva, P., : LSMO thin films with high metal-insulator transition temperature on buffered SOI substrates for uncooled microbolometers. Applied Surface Sci 312 (2014) 30-33.

Štrbík, V., Reiffers, M., Dobročka, E., Šoltýs, J., Španková, M., Chromik, Š.: Epitaxial LSMO thin films with correlation of electrical and magnetic properties above 400K. Applied Surface Sci 312 (2014) 212-215.

Štrbík, V., Blagoev, B., Mateev, E., Nurgaliev, T.: Electrical transport in epitaxial and polycrystalline thin LSMO films,. J. Phys.: Conf. Ser. 514 (2014) 012042.

Blagoev, B., Gostev, I., Nurgaliev, T., Štrbík, V., Bineva, I., Uspenskaya, L., Mateev, E., Neshkov, L., Dobročka, E., Chromik, Š.: Deposition and characterization of thin HTS and magnetic perovskite films. J. Phys.: Conf. Ser. 514 (2014) 012041.

Štrbík, V., Reiffers, M., Chromik, Š., Španková, M.: Approximation of electrical and magneto transport properties of LSMO thin films. Acta Phys. Polonica A 126 (2014) 210-211.

Tsindlekht, M.I., Genkin, V.M., Felner, I., Zeides, F., Katz, N., Gaži, Š., and Chromik, Š.: dc and ac

magnetic properties of thin-walled superconducting niobium cylinders, Phys. Rev B 90 (2014) 014514.

15.) Termodynamické vlastnosti mikromagnetických objektov (*Thermodynamic properties of the micro-magnetic objects*)

Zodpovedný riešiteľ: Jaroslav Tóbkik
Trvanie projektu: 1.1.2014 / 31.12.2016
Evidenčné číslo projektu: 2/0180/14
Organizácia je áno
koordinátorom projektu:
Koordinátor: Elektrotechnický ústav SAV
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: VEGA: 2953 €

16.) Mikro-elektromechanický systém (MEMS) akumulácie energie pre využitie v medicíne (*Micro-electromechanical (MEMS) energy harvesting system for applications in medicine*)

Zodpovedný riešiteľ: Gabriel Vanko
Trvanie projektu: 1.1.2014 / 31.12.2016
Evidenčné číslo projektu: 1/0712/14
Organizácia je nie
koordinátorom projektu:
Koordinátor: Strojnícka fakulta STU
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: VEGA: 1990 €

Dosiahnuté výsledky:

Dzuba, J., Vanko, G., Rýger, I., Vallo, M., Kutiš, V., Lalinský, T.: Influence of temperature on the sensitivity of the AlGaIn/GaN C HEMT based piezoelectric pressure sensor. In: ASDAM 2014. Eds. J. Breza et al. IEEE 2014. ISBN 978-1-4799-5474-2. P. 5-8.

Vanko, G., Dzuba, J., Rýger, I., Lalinský, T., Vojs, M., Vincze, A., and Dobročka, E.: Processing technology of MEMS sensors using III-N material system. In: 17.Škola vákuovej techniky – Analýza materiálov vo vákuu. Eds. M. Michalka et al. ISBN: 978-80-971179-4-8. P.39-43.

Dzuba, J., Vanko, G., Držík, M., Rýger, I., Vallo, M., Lalinský, T., Kutiš, V., Haško, D., and Srnánek, R.: The AlGaIn/GaN C-HEMT diaphragm-based MEMS pressure sensor for harsh environment. In: 17.Škola vákuovej techniky – Analýza materiálov vo vákuu. Eds. M. Michalka et al. ISBN: 978-80-971179-4-8. P.142-145.

17.) Nové technológie prípravy nanočastíc (*New technologies of nanoparticles preparation*)

Zodpovedný riešiteľ: Ivo Vávra
Trvanie projektu: 1.1.2013 / 31.12.2016
Evidenčné číslo projektu: 2 /0129/13
Organizácia je áno
koordinátorom projektu:
Koordinátor: Elektrotechnický ústav SAV

Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: VEGA: 8361 €

18.) Pixelové senzory rtg. a gama žiarenia pre použitie najmä v digitálnej (*Pixel sensors of X- and gamma rays for using primarily in digital imaging*)

Zodpovedný riešiteľ: Bohumír Zaťko
Trvanie projektu: 1.1.2013 / 31.12.2015
Evidenčné číslo projektu: 2/0062/13
Organizácia je koordinátorom projektu: áno
Koordinátor: Elektrotechnický ústav SAV
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: VEGA: 4598 €

Dosiahnuté výsledky:

Zaťko, B., Dubecký, F., Sedláčková, K., Šagátová, A., Boháček, P., Sekáčová, M., Nečas, V.: Analysis of detection properties of particle detectors based on 4H-SiC high quality epitaxial layer In: ASDAM 2014. Eds. J. Breza et al. IEEE 2014. ISBN 978-1-4799-5474-2. P. 65-68..

Boháček, P., Zaťko, B., Šagátová, A., Hybler, P., Sekáčová, M.: Electrical properties of semi-insulating GaAs irradiated with 5 MeV electrons In: ASDAM 2014. Eds. J. Breza et al. IEEE 2014. ISBN 978-1-4799-5474-2. P. 45-48.

Šagátová, A., Zaťko, B., Sedláčková, K., Nečas, V., Fülöp, M.: Electron irradiation effects on the spectrometric characteristics of GaAs detectors In: ASDAM 2014. Eds. J. Breza et al. IEEE 2014. ISBN 978-1-4799-5474-2. P. 61-64.

Šagátová, A., Zaťko, B., Pavlovič, M., Sedláčková, K., Hybler, P., Dubecký, F., Nečas, V.: GaAs detectors irradiated by low doses of electrons. J. Instrument. 9 (2014) C04036.

Šagátová, A., Zaťko, B., Hybler, P., Sedláčková, K., Nečas, V.: Influence of electron irradiation on electrical properties of GaAs detectors. In: Proc. 20th Inter. Conf. on Applied Phys. of Cond. Matter (APCOM 2014). Eds. J. Vajda and I. Jamnický. Bratislava: FEI STU 2014. P. 276-279.

Dubecký, F., Zaťko, B., Vanko, G., Hubík, P., Oswald, J., Kindl, D., Gombia, E., Kováč, J., Šagátová, A., Nečas, V.: M/SI-GaAs/M diode: role of the metal contact in electrical transport, γ -particle and photon detection In: ASDAM 2014. Eds. J. Breza et al. IEEE 2014. ISBN 978-1-4799-5474-2. P. 49-52.

Sedláčková, K., Šagátová, A., Zaťko, B., Nečas, V.: MCNPX calculations for electron irradiated semiconductor detectors. In: Proc. 20th Inter. Conf. on Applied Phys. of Cond. Matter (APCOM 2014). Eds. J. Vajda and I. Jamnický. Bratislava: FEI STU 2014. P. 280-283.

Sedláčková, K., Zaťko, B., Šagátová, A., Pavlovič, M., Nečas, V., Stacho, M.: MCNPX Monte Carlo simulations of particle transport in SiC semiconductor detectors of fast neutrons. J. Instrument. 9 (2014) C05016.

Huran, J., Kleinová, A., Sasinková, V., Kobzev, A., Boháček, P., Sekáčová, M., Arbet, J.: Plasma

enhanced chemical vapor deposition of low-k a-SiC:H thin films: FTIR study of chemical bonding
In: Proc. ADEPT. 2st Inter. Conf. on Advan. in Electronic and Photonic Technol. Eds. D. Pudis et al. Žilina: Univ. Žilina 2014. ISBN 978-80-554-0881-1. P. 168-171.

Zaťko, B., Sedláčková, K., Dubecký, F., Šagátová, A., Boháček, P., Nečas, V.: Semiconductor detector based on 4H-SiC and analysis of its active region thickness. J. Instrument. 9 (2014) C05041.

Boháček, P., Dubecký, F., Sekáčová, M., Zaťko, B.: Temperature dependences of current-voltage characteristics on metal/semi-insulating GaAs structures. In: Proc. 20th Inter. Conf. on Applied Phys. of Cond. Matter (APCOM 2014). Eds. J. Vajda and I. Jamnický. Bratislava: FEI STU 2014. P. 145-148.

Šagátová, A., Zaťko, B., Sedláčková, K., Pavlovič, M., Nečas, V.: Influence of electron irradiation on properties of semi-insulating GaAs detectors. Radiation Effects & Defects in Solid, 2014
<http://dx.doi.org/10.1080/10420150.2014.977285>

Šagátová, A., Zaťko, B., Sedláčková, K., Pavlovič, M., Nečas, V.: GaAs detectors irradiated by electrons at different dose rates, Journal of Instrumentation 2014, accepted

Programy: APVV

19.) Magnetické nanoelementy pre energeticky nezávislé pamäte a mikrovlnné aplikácie (*Magnetic nanoelements for nonvolatile memory and microwave applications*)

Zodpovedný riešiteľ: Vladimír Cambel
Trvanie projektu: 1.10.2013 / 31.3.2017
Evidenčné číslo projektu: 0088-12
Organizácia je áno
koordinátorom projektu:
Koordinátor: Elektrotechnický ústav SAV
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: APVV: 42274 €

Dosiahnuté výsledky:

Ščepka, T., Šoltýs, J., Precner, M., Fedor, J., Tóbič, J., Gregušová, D., Gučmann, F., Kúdela, R., and Cambel, V.: Vortex dynamics in ferromagnetic nanoelements observed by micro-hall probes, Acta Phys. Polonica A 126 (2014) 390-391.

Precner, M., Fedor, J., Tóbič, J., Šoltýs, J., and Cambel, V.: High resolution tips for switching magnetization MFM, Acta Phys. Polonica A 126 (2014) 386-387.

Precner, M., Fedor, J., Šoltýs, J., and V. Cambel: Dual-tip magnetic force microscopy with suppressed influence on magnetically soft samples, Nanotechnology, accepted.

20.) Štruktúry kov-oxid-kov pre nanorozmerné pamäťové bunky na báze odporového prepínania (*Metal-oxide-metal structures for resistive switching based memory cells*)

Zodpovedný riešiteľ: Karol Fröhlich

Trvanie projektu: 1.5.2011 / 30.4.2014
Evidenčné číslo projektu: 0509-10
Organizácia je koordinátorom projektu: áno
Koordinátor: Elektrotechnický ústav SAV
Počet spoluriešiteľských inštitúcií: 2 - Slovensko: 2
Čerpané financie: APVV: 19930 €

Dosiahnuté výsledky:

Jančovič, P., Hudec, B., Dobročka, E., Dérer, J., Fedor, J., Fröhlich, K., : Resistive switching in HfO₂-based atomic layer deposition grown metal-insulator-metal structures. Applied Surface Sci 312 (2014) 112-116.

Hudec, B., Paskaleva, A., Jančovič, P., Dérer, J., Fedor, J., Rosová, A., Dobročka, E., Fröhlich, K., : Resistive switching in TiO₂-based metal-insulator-metal structures with Al₂O₃ barrier layer at the metal/dielectric interface. Thin Solid Films 563 (2014) 10-14.

Murakami, K., Rommel, M., Hudec, B., Rosová, A., Hušeková, K., Dobročka, E., Rammula, R., Kasikov, A., Han, J., Lee, W., Song, S., Paskaleva, A., Bauer, A., Frey, L., Fröhlich, K., Aarik, J., Hwang, C., : Nanoscale characterization of TiO₂ films grown by atomic layer deposition on RuO₂ electrodes. ACS Applied Mater. Interfaces 6 (2014) 2486-2492.

21.) Tvarovanie magnetického poľa pomocou kombinácie supravodivých a feromagnetických materiálov (*Magnetic field shaping by a combination of superconducting and ferromagnetic materials*)

Zodpovedný riešiteľ: Fedor Gömöry
Trvanie projektu: 1.10.2013 / 31.3.2017
Evidenčné číslo projektu: 0623-12
Organizácia je koordinátorom projektu: áno
Koordinátor: Elektrotechnický ústav SAV
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: APVV: 54478 €

22.) Kryštálové prvky rtg optiky pre kompresiu a expanziu zväzku (*Crystal elements of X-ray optics for beam compression and expansion*)

Zodpovedný riešiteľ: Stanislav Hlaváč
Zodpovedný riešiteľ v organizácii SAV: Dušan Korytár
Trvanie projektu: 1.7.2012 / 31.12.2015
Evidenčné číslo projektu: 0308-11
Organizácia je koordinátorom projektu: nie
Koordinátor:
Počet spoluriešiteľských inštitúcií: 0

Čerpané financie: APVV: 18275 €

Dosiahnuté výsledky:

Wachulak, P., Wegrzynski, L., Zápražný, Z., Bartnik, A., Fok, T., Jarocki, R., Kostecki, J., Szczurek, M., Korytár, D., Fiedorowicz, H., : Extreme ultraviolet tomography of multi-jet gas puff target for high-order harmonic generation. *Applied Phys. B* 117 (2014) 253-263.

Zápražný, Z., Korytár, D., Šiffalovič, P., Jergel, M., Demydenko, M., Mikulík, P., Dobročka, E., Ferrari, C., Vagovič, P., Mikloška, M., : Simulations and surface quality testing of high asymmetry angle x-ray crystal monochromators for advanced x-ray imaging applications. *Proc. SPIE* 9207 (2014) 92070Y.

Vagovič, P., Švéda, L., Cecilia, A., Hammann, E., Pelliccia, D., Gimenez, E., Korytár, D., Pavlov, K., Zápražný, Z., Zuber, M., Koenig, T., Olbinado, M., Yashiro, W., Momose, A., Fiederle, M., Baumbach, T., : X-ray Bragg magnifier microscope as a linear shift invariant imaging system: image formation and phase retrieval. *Optics Express* 22 (2014) 21508-21520.

Zápražný, Z., Korytár, D., Šiffalovič, P., Jergel, M., : X-ray crystal optics for analyser based imaging. In: *Proc. 20th Inter. Conf. on Applied Phys. of Cond. Matter (APCOM 2014)*. Eds. J. Vajda and I. Jamnický. Bratislava: FEI STU 2014. P. 198-201.

23.) Výskum a vývoj technológií prípravy tenkých vrstiev karbidu kremíka pre aplikácie v solárnych článkoch a v tenkovrstvových súčiastkach (*Research and development of silicon carbide thin film technologies for applications in solar cells and thin film devices*)

Zodpovedný riešiteľ: Jozef Huran
Trvanie projektu: 1.10.2013 / 31.12.2016
Evidenčné číslo projektu: 0443-12
Organizácia je koordinátorom projektu: áno
Koordinátor: Elektrotechnický ústav SAV
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: APVV: 46643 €

Dosiahnuté výsledky:

Huran, J., Balalykin, N., Feshchenko, A., Kobzev, A., Kleinová, A., Sasinková, V., Hrubčín, L., : Transmission photocathodes based on stainless steel mesh coated with deuterated diamond like carbon films. *Nuclear Instr. Methods Phys. Res. A* 753 (2014) 14-18.

Perný, M., Huran, J., Šály, V., Váry, M., Packa, J., Kobzev, A., : Electrical and structural characterization of carbon based films prepared by RF-PECVD and ECR-PECVD techniques for photovoltaic applications *J. Optoelectr. Adv. Mater.* 16 (2014) 306-310.

Perný, M., Šály, V., Váry, M., Mikolášek, M., Huran, J., Packa, J., : AC impedance spectroscopy of Al/a-SiC/c-Si(p)/Al heterostructure under illumination. *J. Electr. Engn.* 65 (2014) 174-178.

Huran, J., Balalykin, N., Feshchenko, A., Kováč, J., Kobzev, A., Arbet, J., : Deuterated diamond like carbon films prepared by reactive magnetron sputtering for transmission photocathode

application In: Proc. ADEPT. 2st Inter. Conf. on Advan. in Electronic and Photonic Technol. Eds. D. Pudis et al. Žilina: Univ. Žilina 2014. ISBN 978-80-554-0881-1. P. 247-250.

Huran, J., Kleinová, A., Sasinková, V., Kobzev, A., Boháček, P., Sekáčová, M., Arbet, J., : Plasma enhanced chemical vapor deposition of low-k a-SiC:H thin films:FTIR study of chemical bonding In: Proc. ADEPT. 2st Inter. Conf. on Advan. in Electronic and Photonic Technol. Eds. D. Pudis et al. Žilina: Univ. Žilina 2014. ISBN 978-80-554-0881-1. P. 168-171.

Zaťko, B., Dubecký, F., Sedláčková, K., Šagátová, A., Boháček, P., Sekáčová, M., Nečas, V., : Analysis of detection properties of particle detectors based on 4H-SiC high quality epitaxial layer In: ASDAM 2014. Eds. J. Breza et al. IEEE 2014. ISBN 978-1-4799-5474-2. P. 65-68.

Boháček, P., Zaťko, B., Šagátová, A., Hybler, P., Sekáčová, M., : Electrical properties of semi-insulating GaAs irradiated with 5 MeV electrons In: ASDAM 2014. Eds. J. Breza et al. IEEE 2014. ISBN 978-1-4799-5474-2. P. 45-48.

24.) Integrácia supravodivých a manganitových vrstiev a štruktúr na polovodičových podložkách (*Integration of superconducting and manganite films and structures with semiconducting substrate*)

Zodpovedný riešiteľ: Štefan Chromik
Trvanie projektu: 1.7.2013 / 31.12.2014
Evidenčné číslo projektu: SK-CN-0012-12
Organizácia je áno
koordinátorom projektu:
Koordinátor: Elektrotechnický ústav SAV
Počet spoluriešiteľských inštitúcií: 1 - Čína: 1
Čerpané financie: APVV: 2625 €

Dosiahnuté výsledky:

V dňoch 15.-25. septembra 2014 uskutočnila služobná cesta do Pekingu na Inštitút fyziky Čínskej akadémie vied, kde sme s partnermi diskutovali o najnovších výsledkoch dosiahnutých za rok 2014, o ďalších spoločných experimentoch, o meraní elektrických a magnetických vlastností LSMO a YBCO vrstiev pripravených na rôznych podložkách, taktiež Dr. Š. Chromik predniesol pozvanú prednášku s názvom “Advanced perovskite thin films and structures for applications”. V rámci pobytu sa uskutočnila návšteva Univerzity Nankai (College of Information Technology) v meste Tianji, kde sme sa stretli so skupinou zaoberajúcou sa prípravou a charakterizáciou supravodivých vrstiev na báze tália. Tu tiež Dr. Sojková predniesla prednášku, týkajúcu sa prípravy a vlastností supravodivých vrstiev na báze tália. V súčasnosti prebiehajú niektoré analýzy na Inštitúte fyziky na vzorkách pripravených v Bratislave.

25.) Proximitný efekt a transportné vlastnosti nanoštruktúr feromagnet/supravodič (*Proximity effect and electron transport in ferromagnet/superconductor nanostructures*)

Zodpovedný riešiteľ: Štefan Chromik
Trvanie projektu: 1.7.2012 / 31.12.2015
Evidenčné číslo projektu: 0494-11
Organizácia je áno
koordinátorom projektu:
Koordinátor: Elektrotechnický ústav SAV

Počet spoluriešiteľských inštitúcií: 1 - Slovensko: 1
Čerpané financie: APVV: 32998 €

Dosiahnuté výsledky:

Sojková, M., Štrbik, V., Španková, M., Chromik, Š.: Patterning of Tl-based superconducting films using new etching solution. *Applied Surface Sci* 312 (2014) 208-211.

Chromik, Š., Štrbik, V., Dobročka, E., Roch, T., Rosová, A., Španková, M., Lalinský, T., Vanko, G., Lobotka, P., Ralbovský, M., Choleva, P.: LSMO thin films with high metal-insulator transition temperature on buffered SOI substrates for uncooled microbolometers. *Applied Surface Sci* 312 (2014) 30-33.

Štrbik, V., Reiffers, M., Dobročka, E., Šoltýs, J., Španková, M., Chromik, Š.: Epitaxial LSMO thin films with correlation of electrical and magnetic properties above 400K. *Applied Surface Sci* 312 (2014) 212-215.

Španková, M., Chromik, Š., Dobročka, E., Štrbik, V., and Sojková, M.: LSMO films with increased temperature of MI transition, *Acta Phys. Polonica A* 126 (2014) 212-213.

Štrbik, V., Reiffers, M., Chromik, Š., and Španková, M.: Approximation of electrical and magneto transport properties of LSMO thin films, *Acta Phys. Polonica A* 126 (2014) 210-211.

26.) Jemnovláknité supravodivé MgB₂ drôty pre jednosmerné a striedavé vinutia
(*Fine-filamentary superconducting MgB₂ wires for steady and alternating current windings*)

Zodpovedný riešiteľ: Pavol Kováč
Trvanie projektu: 1.5.2011 / 30.9.2014
Evidenčné číslo projektu: 0495-10
Organizácia je koordinátorom projektu: áno
Koordinátor: Elektrotechnický ústav SAV
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: APVV: 48625 €

Dosiahnuté výsledky:

Hušek, I., Kováč, P., Rosová, A., Melišek, T., Pachla, W., and Hain, M.: Advanced MgB₂ wire made by internal magnesium diffusion process, *J. Alloys Comp.* 588 (2014) 366-369. IF 2.73

Kováč, P., Kopera, L., Melišek, T., and Hušek, I.: Electro-mechanical behaviour of in situ W add MgB₂ wire, *Cryogenics* 60 (2014) 5-8. IF 0.94

27.) Heteroštruktúry na báze InN pre vysoko-frekvenčné tranzistory

Zodpovedný riešiteľ: Ján Kuzmík
Trvanie projektu: 1.1.2011 / 31.12.2014
Evidenčné číslo projektu: SK-GR-0007-11
Organizácia je koordinátorom projektu: áno

Koordinátor: Elektrotechnický ústav SAV
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: APVV: 1606 €

28.) Monolitická integrácia ochudobňovacích a obohacovacích InAlN/GaN HFET (*Monolithic integration of depletion- and enhancement-mode InAlN/GaN HFET transistors*)

Zodpovedný riešiteľ: Ján Kuzmík
Trvanie projektu: 1.7.2012 / 30.6.2015
Evidenčné číslo projektu: 0367-11
Organizácia je koordinátorom projektu: nie
Koordinátor: ÚEF FEI STU
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: APVV: 19519 €

Dosiahnuté výsledky:

J. Kuzmík, PCT application No. PCT/SK2014/000011: „Enhancement mode III-N tranzistor with N-polarity and a method of preparation.“

Gregušová, D., Jurkovič, M., Haščík, Š., Blaho, M., Seifertová, A., Fedor, J., Ťapajna, M., Fröhlich, K., Vogrinčič, P., Liday, J., Derluyn, J., Germain, M., Kuzmík, J.: Adjustment of threshold voltage in AlN/AlGaIn/GaN high-electron mobility transistors by plasma oxidation and Al₂O₃ atomic layer deposition overgrowth. Applied Phys. Lett. 104 (2014) 013506.

Molnár, M., Donoval, D., Kuzmík, J., Marek, J., Chvála, A., Príbytný, P., Mikolášek, M., Rendek, K., Palankovski, V.: Simulation study of interface traps and bulk traps in n++GaIn/InAlN/AlN/GaN high electron mobility transistors. Applied Surface Sci 312 (2014) 157-161.

Kuzmík, J., : Proposal of normally-off InN-channel high-electron mobility transistors. Semicond. Sci Technol. 29 (2014) 035015.

Ťapajna, M., Jurkovič, M., Válik, L., Haščík, Š., Gregušová, D., Brunner, F., Cho, E.M., Hashizume, T., and Kuzmík, J.: Impact of GaN cap on charges in Al₂O₃/(GaIn)AlGaIn/GaN metal-oxide-semiconductor heterostructures analyzed by means of capacitance measurements and simulations, J. Applied Phys. 116 (2014) 104501.

29.) Vývoj novej generácie III-N tranzistorov s vysokou pohyblivosťou elektónov (*Towards next generation of III-N high-electron-mobility transistors*)

Zodpovedný riešiteľ: Ján Kuzmík
Trvanie projektu: 1.5.2011 / 30.4.2014
Evidenčné číslo projektu: 0104-10
Organizácia je koordinátorom projektu: áno
Koordinátor: Elektrotechnický ústav SAV
Počet spoluriešiteľských inštitúcií: 1 - Slovensko: 1
Čerpané financie: APVV: 16499 €

Dosiahnuté výsledky:

J. Kuzmík, PCT application No. PCT/SK2014/000011: „Enhancement mode III-N tranzistor with N-polarity and a method of preparation.“

Kuzmík, J., : Proposal of normally-off InN-channel high-electron mobility transistors. *Semicond. Sci Technol.* 29 (2014) 035015.

Kuzmík, J., Jurkovič, M., Gregušová, D., Ťapajna, M., Brunner, F., Cho, E., Meneghesso, G., Würfl, H., : Degradation of AlGaIn/GaN high-electron mobility transistors in the current-controlled off-state breakdown. *J. Applied Phys.* 115 (2014) 164504.

Ťapajna, M., Killat, N., Palankovski, V., Gregušová, D., Čičo, K., Carlin, J.F., Grandjean, N., Kuball, M., and Kuzmík, J.: Hot-electron-related degradation in InAlN/GaN high-electron-mobility transistors, *IEEE Trans. Electron Dev.* 61 (2014) 2793-2801.

30.) Pokročilé piezoelektrické MEMS senzory tlaku (*Advanced piezoelectric MEMS pressure sensors*)

Zodpovedný riešiteľ: Tibor Lalinský
Trvanie projektu: 1.5.2011 / 31.10.2014
Evidenčné číslo projektu: 0450-10
Organizácia je áno
koordinátorom projektu:
Koordinátor: Elektrotechnický ústav SAV
Počet spoluriešiteľských inštitúcií: 2 - Slovensko: 2
Čerpané financie: APVV: 22287 €

Dosiahnuté výsledky:

Dzuba, J., Vanko, G., Držík, M., Rýger, I., Vallo, M., Kutiš, V., Haško, D., Choleva, P., Lalinský, T., : Stress investigation in the AlGaIn/GaN micromachined circular diaphragms of pressure sensor, *J. Micromech. Microeng.* in Press.

Dzuba, J., Držík, M., Vanko, G., Rýger, I., Vallo, M., Kutiš, V., Lalinský, T., : Modal analysis of Gallium Nitride membrane for pressure sensing device *Key Engn. Mater.* 605 (2014) 404-407.

Dzuba, J., Vanko, G., Rýger, I., Vallo, M., Kutiš, V., Lalinský, T., : Influence of temperature on the sensitivity of the AlGaIn/GaN C HEMT based piezoelectric pressure sensor In: *ASDAM 2014*. Eds. J. Breza et al. IEEE 2014. ISBN 978-1-4799-5474-2. P. 5-8.

G. Vanko, J. Dzuba, I. Rýger, M. Vallo, T. Lalinský: MEMS tlakový senzor s tranzistorom s vysokou pohyblivosťou elektrónov a spôsob jeho výroby. PCT prihláška podaná v zahraničí pod číslom: PCT/IB2014/063665.

31.) Nanoštruktúrne materiály pre senzoriku (*Nanostructured Materials for Sensorics*)

Zodpovedný riešiteľ: Peter Lobotka
Trvanie projektu: 1.7.2012 / 31.12.2015
Evidenčné číslo projektu: 0593 -11

Organizácia je koordinátorom projektu: áno
Koordinátor: Elektrotechnický ústav SAV
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: APVV: 38439 €

32.) Fotonické štruktúry pre integrovanú optoelektroniku (*Photonic structures for integrated optoelectronics*)

Zodpovedný riešiteľ: Jozef Novák
Trvanie projektu: 1.10.2013 / 31.12.2016
Evidenčné číslo projektu: 0395-12
Organizácia je koordinátorom projektu: nie
Koordinátor: Elektrotechnická fakulta ŽU
Počet spoluriešiteľských inštitúcií: 2 - Slovensko: 2
Čerpané financie: APVV: 20906 €

Dosiahnuté výsledky:

Novák, J., Šutta, P., Vávra, I., Eliáš, P., Hasenöhrl, S., Laurenčíková, A., and Novotný, I.: Columnar microstructure of the ZnO shell layer deposited on the GaP nanowires, Applied Surface Sci 312 (2014) 162-166. IF 2.54

J. Kováč, J., P. Hronec, D. Búc, J. Škriniarová, P. Šutta, J. Kováč, J. Novák, Study of ZnO nanostructures grown by a hydrothermal process on GaP/ZnO nanowires, Applied Surface Science accepted

33.) Príprava nanodrôtov pre fotovoltaické aplikácie (*Growth of nanowires for photovoltaic applications*)

Zodpovedný riešiteľ: Jozef Novák
Trvanie projektu: 1.5.2011 / 31.10.2014
Evidenčné číslo projektu: 0301-10
Organizácia je koordinátorom projektu: áno
Koordinátor: Elektrotechnický ústav SAV
Počet spoluriešiteľských inštitúcií: 2 - Slovensko: 2
Čerpané financie: APVV: 25074 €

Dosiahnuté výsledky:

Eliáš, P., Hasenöhrl, S., Laurenčíková, A., Rosová, A., and Novák, J.: Annealing of gold nanoparticles on GaP(111)B: initial stage of GaP nanowire growth, Phys. Status Solidi RRL 8 (2014) 321-324. IF 2.34

Laurenčíková, A., Eliáš, P., Hasenöhrl, S., Kováč, J., Mikolášek, M., Vávra, I., and Novák, J.: Analysis of the core-shell interface between zinc-blende GaP and wurtzite ZnO, Solid-State Electr. 100 (2014) 7-10. IF 1.51

Novák, J., Šutta, P., Vávra, I., Eliáš, P., Hasenöhrl, S., Laurenčíková, A., and Novotný, I.: Columnar microstructure of the ZnO shell layer deposited on the GaP nanowires, Applied Surface Sci 312 (2014) 162-166. IF 2.54

J. Kováč, J., P. Hronec, D. Búc, J. Škriniarová, P. Šutta, J. Kováč, J. Novák: Study of ZnO nanostructures grown by a hydrothermal process on GaP/ZnO nanowires, Applied Surface Science, v tlači IF 2.54

34.) Progresívne materiály s konkurenčnými parametrami usporiadania (*Progressive materials with competing order parameters*)

Zodpovedný riešiteľ: Peter Samuely
Zodpovedný riešiteľ v organizácii SAV: Vladimír Cambel
Trvanie projektu: 1.7.2012 / 30.6.2014
Evidenčné číslo projektu: 0036-11
Organizácia je koordinátorom projektu: nie
Koordinátor: ÚEF SAV
Počet spoluriešiteľských inštitúcií: 2 - Slovensko: 2
Čerpané financie: APVV: 13392 €

Dosiahnuté výsledky:

Pribulová, Z., Medvecká, Z., Kačmarčík, J., Komanický, V., Klein, T., Barančeková Husaníková, P., Cambel, V., Šoltýs, J., Karapetrov, G., Samuely, P.: Local magnetometry of $\text{Cu}_{0,064}\text{TiSe}_2$. Acta Phys. Polonica A 126 (2014) 370-371.

Barančeková Husaníková, P., Cambel, V., Fedor, J., Šoltýs, J., Karapetrov, G.: Magnetization studies of $\text{Cu}_{0,058}\text{TiSe}_2$ near a quantum critical point. Acta Phys. Polonica A 126 (2014) 336-337.

35.) Multifunkčné detektorové polia na báze mikromechanických štruktúr (*Multifunctional detector arrays based on micromechanical structures*)

Zodpovedný riešiteľ: Gabriel Vanko
Trvanie projektu: 1.5.2011 / 31.10.2014
Evidenčné číslo projektu: 0199-10
Organizácia je koordinátorom projektu: nie
Koordinátor: FEI STU
Počet spoluriešiteľských inštitúcií: 1 - Slovensko: 1
Čerpané financie: APVV: 11766 €

Dosiahnuté výsledky:

Rýger, I., Vanko, G., Lalinský, T., Kunzo, P., Vallo, M., Vávra, I., Plecenik, T.: Pt/NiO ring gate based Schottky diode hydrogen sensors with enhanced sensitivity and thermal stability. Sensors Actuators B 202 (2014) 1-8.

Rýger, I., Vanko, G., Lalinský, T., Dzuba, J., Vallo, M., Kunzo, P., Vávra, I.: Enhanced sensitivity of Pt/NiO gate based AlGa_N/Ga_N C-HEMT hydrogen sensor. Key Engn. Mater. 605 (2014) 491-494.

Rýger, I., Vanko, G., Lalinský, T., Nemeč, P., Benčurová, A., Tomáška, M., and Haščík, Š.: The Ga_N/SiC heterostructure-based hydrogen SAW sensor operating in GHz range. In: EUROSENSORS 2014. Brescia 2014.

I. Rýger; G. Vanko; T. Lalinský; Š. Haščík; A. Benčurová; P. Nemeč; R. Andok; M. Tomáška: Ga_N/SiC Based Surface Acoustic Wave Structures for Hydrogen Sensors with Enhanced Sensitivity, submitted to Sensors and Actuators A (2014).

36.) Tranzistory na báze progresívnych materiálov pre vysoké teploty (*Transistors on the base of progressive materials for high temperatures*)

Zodpovedný riešiteľ: Gabriel Vanko
Trvanie projektu: 1.10.2013 / 30.9.2016
Evidenčné číslo projektu: 0455-12
Organizácia je koordinátorom projektu: áno
Koordinátor: Elektrotechnický ústav SAV
Počet spoluriešiteľských inštitúcií: 0
Čerpané financie: APVV: 34810 €

Dosiahnuté výsledky:

J. Dzuba, G. Vanko, M. Držík, I. Rýger, M. Vallo, V. Kutiš, D. Haško, P. Choleva and T. Lalinský, Stress investigation in the AlGa_N/Ga_N micromachined circular diaphragms of pressure sensor, J. Micromech. Mmicroeng. (2014) (7pp) In Press.

T. Ižák, O. Babchenko, V. Jirásek, G. Vanko, M. Vallo, M. Vojs, A. Kromka, Selective area deposition of diamond films on AlGa_N/Ga_N heterostructures, Phys. Status Solidi B 251 (2014) 2574-2580.

G. Vanko, J. Dzuba, I. Rýger, T. Lalinský, M. Vojs, A. Vincze, E. Dobročka, Processing technology of MEMS sensors using III-N material system. In: 17.Škola vákuovej techniky – Analýza materiálov vo vákuu. Eds. M. Michalka et al. ISBN: 978-80-971179-4-8. P.39-43.

J. Dzuba, G. Vanko, M. Držík, I. Rýger, M. Vallo, T. Lalinský, V. Kutiš, D. Haško, R. Srnánek, The AlGa_N/Ga_N C-HEMT diaphragm-based MEMS pressure sensor for harsh environment. In: 17.Škola vákuovej techniky – Analýza materiálov vo vákuu. Eds. M. Michalka et al. ISBN: 978-80-971179-4-8. P.142-145.

Dzuba, J., Vanko, G., Rýger, I., Vallo, M., Kutiš, V., Lalinský, T.: Influence of temperature on the sensitivity of the AlGa_N/Ga_N C HEMT based piezoelectric pressure sensor. In: ASDAM 2014. Eds. J. Breza et al. IEEE 2014. ISBN 978-1-4799-5474-2. P. 5-8.

Osvald, J., Vanko, G., and Fröhlich, K.: Frequency dependent capacitance of insulator Ga_N/AlGa_N/Ga_N heterostructure. In: ASDAM 2014. Eds. J. Breza et al. IEEE 2014. ISBN 978-1-4799-5474-2. P. 221-224.

Vanko, G., Vojs, M., Ižák, T., Potocký, P., Choleva, P., Marton, M., Rýger, I., Dzuba, J. and Lalinský, T.: AlGaN/GaN micromembranes with diamond coating for high electron mobility transistors operated at high temperatures. In: ASDAM 2014. Eds. J. Breza et al. IEEE 2014. ISBN 978-1-4799-5474-2. P. 263-266.

37.) **Nové polovodičové detektory neutrónov** (*New semiconductor detectors of neutrons*)

Zodpovedný riešiteľ: Bohumír Zaťko
Trvanie projektu: 1.7.2012 / 31.12.2015
Evidenčné číslo projektu: 0321-11
Organizácia je koordinátorom projektu: nie
Koordinátor: ÚJFI FEI STU Bratislava
Počet spoluriešiteľských inštitúcií: 1 - Slovensko: 1
Čerpané financie: APVV: 23236 €

Dosiahnuté výsledky:

Zaťko, B., Dubecký, F., Sedláčková, K., Šagátová, A., Boháček, P., Sekáčová, M., Nečas, V.: Analysis of detection properties of particle detectors based on 4H-SiC high quality epitaxial layer In: ASDAM 2014. Eds. J. Breza et al. IEEE 2014. ISBN 978-1-4799-5474-2. P. 65-68.

Boháček, P., Zaťko, B., Šagátová, A., Hybler, P., Sekáčová, M.: Electrical properties of semi-insulating GaAs irradiated with 5 MeV electrons In: ASDAM 2014. Eds. J. Breza et al. IEEE 2014. ISBN 978-1-4799-5474-2. P. 45-48.

Šagátová, A., Zaťko, B., Sedláčková, K., Nečas, V., Fülöp, M.: Electron irradiation effects on the spectrometric characteristics of GaAs detectors In: ASDAM 2014. Eds. J. Breza et al. IEEE 2014. ISBN 978-1-4799-5474-2. P. 61-64.

Šagátová, A., Zaťko, B., Pavlovič, M., Sedláčková, K., Hybler, P., Dubecký, F., Nečas, V.: GaAs detectors irradiated by low doses of electrons. J. Instrument. 9 (2014) C04036.

Šagátová, A., Zaťko, B., Hybler, P., Sedláčková, K., Nečas, V.: Influence of electron irradiation on electrical properties of GaAs detectors. In: Proc. 20th Inter. Conf. on Applied Phys. of Cond. Matter (APCOM 2014). Eds. J. Vajda and I. Jamnický. Bratislava: FEI STU 2014. P. 276-279.

Dubecký, F., Zaťko, B., Vanko, G., Hubík, P., Oswald, J., Kindl, D., Gombia, E., Kováč, J., Šagátová, A., Nečas, V.: M/SI-GaAs/M diode: role of the metal contact in electrical transport, α -particle and photon detection In: ASDAM 2014. Eds. J. Breza et al. IEEE 2014. ISBN 978-1-4799-5474-2. P. 49-52.

Sedláčková, K., Šagátová, A., Zaťko, B., Nečas, V.: MCNPX calculations for electron irradiated semiconductor detectors. In: Proc. 20th Inter. Conf. on Applied Phys. of Cond. Matter (APCOM 2014). Eds. J. Vajda and I. Jamnický. Bratislava: FEI STU 2014. P. 280-283.

Sedláčková, K., Zaťko, B., Šagátová, A., Pavlovič, M., Nečas, V., Stacho, M.: MCNPX Monte Carlo simulations of particle transport in SiC semiconductor detectors of fast neutrons. J. Instrument. 9 (2014) C05016.

Dubecký, F., Osvald, J., Kindl, D., Hubík, P., Gombia, E., Šagátová, A., Boháček, P., Sekáčová, M., Nečas, V., Mudroň, J.: Photocurrent spectroscopy of semi-insulating GaAs M-S-M diodes with a new contact metallization. In: Proc. 20th Inter. Conf. on Applied Phys. of Cond. Matter (APCOM 2014). Eds. J. Vajda and I. Jamnický. Bratislava: FEI STU 2014. P. 214-218.

Huran, J., Kleinová, A., Sasinková, V., Kobzev, A., Boháček, P., Sekáčová, M., Arbet, J.: Plasma enhanced chemical vapor deposition of low-k a-SiC:H thin films: FTIR study of chemical bonding In: Proc. ADEPT. 2st Inter. Conf. on Advan. in Electronic and Photonic Technol. Eds. D. Pudis et al. Žilina: Univ. Žilina 2014. ISBN 978-80-554-0881-1. P. 168-171.

Zaťko, B., Sedláčková, K., Dubecký, F., Šagátová, A., Boháček, P., Nečas, V.: Semiconductor detector based on 4H-SiC and analysis of its active region thickness. J. Instrument. 9 (2014) C05041.

Boháček, P., Dubecký, F., Sekáčová, M., Zaťko, B.: Temperature dependences of current-voltage characteristics on metal/semi-insulating GaAs structures. In: Proc. 20th Inter. Conf. on Applied Phys. of Cond. Matter (APCOM 2014). Eds. J. Vajda and I. Jamnický. Bratislava: FEI STU 2014. P. 145-148.

Šagátová, A., Zaťko, B., Sedláčková, K., Pavlovič, M., Nečas, V.: Influence of electron irradiation on properties of semi-insulating GaAs detectors. Radiation Effects & Defects in Solid, 2014 <http://dx.doi.org/10.1080/10420150.2014.977285>

Šagátová, A., Zaťko, B., Sedláčková, K., Pavlovič, M., Nečas, V.: GaAs detectors irradiated by electrons at different dose rates, Journal of Instrumentation 2014, accepted

Programy: Štrukturálne fondy EÚ Výskum a vývoj

38.) Univerzitný vedecký park STU Bratislava (*University Science Park of STU Bratislava*)

Zodpovedný riešiteľ: Vladimír Cambel
Trvanie projektu: 1.2.2013 / 31.1.2015
Evidenčné číslo projektu: ITMS: 26240220084
Organizácia je koordinátorom projektu: nie
Koordinátor: Slovenská technická univerzita v Bratislave
Počet spoluriešiteľských inštitúcií: 4 - Slovensko: 4
Čerpané financie:

39.) Kompetenčné centrum pre nové materiály, pokročilé technológie a energetiku (*Center of competence for new materials, advanced technologies and energetics*)

Zodpovedný riešiteľ: Karol Fröhlich
Trvanie projektu: 1.8.2011 / 31.5.2015
Evidenčné číslo projektu: 26240220073
Organizácia je koordinátorom projektu: áno
Koordinátor: Elektrotechnický ústav SAV
Počet spoluriešiteľských inštitúcií: 15 - Slovensko: 15

Čerpané financie: ASFEU: 221012 €

40.) Centrum aplikovaného výskumu nových materiálov a transféru technológií (*Centre for applied research of new materials and technology transfer*)

Zodpovedný riešiteľ: Juraj Lapin
Zodpovedný riešiteľ v organizácii SAV: Vladimír Cambel
Trvanie projektu: 1.10.2013 / 30.9.2015
Evidenčné číslo projektu: ITMS 26240220088
Organizácia je koordinátorom projektu: nie
Koordinátor:
Počet spoluriešiteľských inštitúcií: 6 - Slovensko: 6
Čerpané financie: ASFEU: 61960 €

41.) Výskum prípravy moderného polovodičového materiálu a substrátov VGF GaP o priemere 100 mm pre potreby konverzie CO₂ na užitočné chemikálie (*Research and development of advanced semiconductor material and substrates VGF GaP with 100 nm diameter for conversion of CO₂ into value added chemicals*)

Zodpovedný riešiteľ: Jozef Novák
Trvanie projektu: 1.2.2012 / 31.1.2014
Evidenčné číslo projektu: ITMS 26220220172
Organizácia je koordinátorom projektu: nie
Koordinátor: Phostec s.r.o.
Počet spoluriešiteľských inštitúcií: 1 - Slovensko: 1
Čerpané financie: ASFEU: 9887 €

42.) Výskumné centrum ALLEGRO

Zodpovedný riešiteľ: Jaromír Pastorek
Zodpovedný riešiteľ v organizácii SAV: Vladimír Cambel
Trvanie projektu: 1.10.2014 / 30.9.2015
Evidenčné číslo projektu: 26220220198
Organizácia je koordinátorom projektu: nie
Koordinátor:
Počet spoluriešiteľských inštitúcií: 4 - Slovensko: 4
Čerpané financie:

43.) Výskumno-vývojové centrum pre pokročilé rtg technológie (*Research and development center for advanced X-ray technologies*)

Zodpovedný riešiteľ: Bohumír Zaňko
Trvanie projektu: 1.6.2012 / 30.6.2015

Evidenčné číslo projektu: ITMS 26220220170
Organizácia je koordinátorom projektu: nie
Koordinátor: Integra TDS, s. r. o.
Počet spoluriešiteľských inštitúcií: 2 - Slovensko: 2
Čerpané financie: ASFEU: 199253 €

Dosiahnuté výsledky:

Zaľko, B., Sedláčková, K., Dubecký, F., Šagátová, A., Boháček, P., Nečas, V., : Semiconductor detector based on 4H-SiC and analysis of its active region thickness. J. Instrument. 9 (2014) C05041.

Zápražný, Z., Korytár, D., Šiffalovič, P., Jergel, M., Demydenko, M., Mikulík, P., Dobročka, E., Ferrari, C., Vagovič, P., Mikloška, M.: Simulations and surface quality testing of high asymmetry angle x-ray crystal monochromators for advanced x-ray imaging applications. Proc. SPIE 9207 (2014) 92070Y.

Vagovič, P., Švéda, L., Cecilia, A., Hammann, E., Pelliccia, D., Gimenez, E., Korytár, D., Pavlov, K., Zápražný, Z., Zuber, M., Koenig, T., Olbinado, M., Yashiro, W., Momose, A., Fiederle, M., Baumbach, T.: X-ray Bragg magnifier microscope as a linear shift invariant imaging system: image formation and phase retrieval., Optics Express 22 (2014) 21508-21520.

Zápražný, Z., Korytár, D., Šiffalovič, P., Jergel, M.: X-ray crystal optics for analyser based imaging. In: Proc. 20th Inter. Conf. on Applied Phys. of Cond. Matter (APCOM 2014). Eds. J. Vajda and I. Jamnický. Bratislava: FEI STU 2014. P. 198-201.

Šagátová, A., Zaľko, B., Sedláčková, K., Pavlovič, M., Nečas, V.: Influence of electron irradiation on properities of semi-insulating GaAs detectors. Radiation Effects & Defects in Solid, 2014 <http://dx.doi.org/10.1080/10420150.2014.977285>

Príloha C**Publikačná činnosť organizácie (generovaná z ARL)****ABC Kapitoly vo vedeckých monografiách vydané v zahraničných vydavateľstvách**

- ABC01 KRATOŠOVÁ, G. - DĚDKOVÁ, K. - VÁVRA, Ivo - ČIAMPOR, Fedor. Investigation of nanoparticles in biological objects by electron microscopy techniques. In *Intracellular Delivery II : Fundamentals and Applications*. - Springer, 2014, p. 165-187. ISBN 978-94-017-8896-0.
- ABC02 KRATOŠOVÁ, G. - VÁVRA, Ivo - HORSKÁ, K. - ŽITOVSKÝ, O. - NĚMCOVÁ, Y. - BOHUNICKÁ, M. - SLABOTINSKÝ, J. - ROSENBERGOVÁ, K. - KADILAK, A. - SCHRÖFEL, A. Synthesis of metallic nanoparticles and by diatoms and chrysophytes – prospects and applications. In *Green Biosynthesis of Nanoparticles : Mechanisms and Applications*. - Wallingford : CABI, 2013, chap. 5, p. 61. ISBN 978-1-78064-223-9.

ADCA Vedecké práce v zahraničných karentovaných časopisoch impaktovaných

- ADCA01 AARIK, L. - ARROVAL, T. - RAMMULA, R. - MÄNDAR, H. - SAMMELSELG, V. - HUDEC, Boris - HUŠEKOVÁ, Kristína - FRÖHLICH, Karol - AARIK, J. Atomic layer deposition of high-quality Al₂O₃ and Al-doped TiO₂ thin films from hydrogen-free precursors. In *Thin Solid Films*, 2014, vol. 565, p. 19-24. (1.867 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 0040-6090.
- ADCA02 ARROVAL, T. - AARIK, L. - RAMMULA, R. - MÄNDAR, H. - AARIK, J. - HUDEC, Boris - HUŠEKOVÁ, Kristína - FRÖHLICH, Karol. Influence of growth temperature on the structure and electrical properties of high-permittivity TiO₂ films in TiCl₄-H₂O and TiCl₄-O₃ atomic-layer-deposition processes. In *Physica Status Solidi A : applications and materials science*, 2014, vol. 211, p. 425-432. (1.525 - IF2013). (2014 - Current Contents). ISSN 1862-6300.
- ADCA03 BLAGOEV, B. - NURGALIEV, T. - BINEVA, I. - VASILEVA, E.D. - ŠTRBÍK, Vladimír - MATEEV, E. Resistive characteristics of LSMO/LCMO bi-layers and temperature switching effect of magnetoresistance. In *Modern Physics Letters B*, 2014, vol. 28, 1450096. (0.687 - IF2013). (2014 - Current Contents). ISSN 0217-9849.
- ADCA04 BRUNNER, Boris - KOVÁČ, Pavol - REISSNER, M. - HUŠEK, Imrich - MELIŠEK, Tibor - PARDO, Enric. Critical current density and pinning behaviour of mono-core MgB₂ wires prepared by internal magnesium diffusion and in-situ powder-in-tube method. In *Physica C. Superconductivity and its applications*, 2014, vol. 505, p. 39-43. (1.110 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 0921-4534.
- ADCA05 BYSTRITSKY, V.M. - BYSTRITSKY, Vit. M. - DUDKIN, G.N. - FILIPOWICZ, M. - GAŽI, Štefan - HURAN, Jozef - NECHAEV, B.A. - PADALCO, V.N. - PARZHITSKII, S.S. - PENKOV, F.M. - PHILIPPOV, A.V. - TULEUSHEV, Yu.Zh. First experimental evidence of D(p, γ)³He reaction in deuteride titanium in ultralow collision energy region. In *Nuclear Instruments and Methods in Physics Research A. Accelerators, Spectrometers, Detectors and Associated Equipment*, 2014, vol. 753, p. 91-96. (1.316 - IF2013). (2014 - Current Contents). ISSN 0168-9002.
- ADCA06 BYSTRITSKY, V.M. - BYSTRITSKY, Vit. M. - DUDKIN, G.N. - FILIPOWICZ, M. - GAŽI, Štefan - HURAN, Jozef - MESYATS, G.A. - NECHAEV, B.A. - PADALCO, V.N. - PARZHITSKII, S.S. - PENKOV, F.M. - PHILIPPOV, A.V. - TULEUSHEV, Yu.Zh. - VARLACHEV, V.A. Experimental verification of

- hypothesis of dd reaction enhancement by channeling of deuterons in titanium deuteride at ultralow energies. In Nuclear Instruments and Methods in Physics Research A. Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, vol. 764, p. 42-47. (1.316 - IF2013). (2014 - Current Contents). ISSN 0168-9002.
- ADCA07 BYSTRITSKY, V.M. - KOBZEV, A.P. - KRYLOV, A.R. - PARZHITSKII, S.S. - PHILIPPOV, A.V. - DUDKIN, G.N. - NECHAEV, B.A. - PADALKO, V.N. - PENKOV, F.M. - TULEUSHEV, Yu.Zh. - FILIPOWICZ, M. - BYSTRITSKY, Vit. M. - GAŽI, Štefan - HURAN, Jozef. Study of the $d(p, \gamma)^3\text{He}$ reaction at ultralow energies using a zirconium deuteride target. In Nuclear Instruments and Methods in Physics Research A. Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, vol. 737, p. 248-252. (1.316 - IF2013). (2014 - Current Contents). ISSN 0168-9002.
- ADCA08 BYSTRITSKY, V.M. - BYSTRITSKY, Vit. M. - DUDKIN, G.N. - FILIPOWICZ, M. - GAŽI, Štefan - HURAN, Jozef - MESYATS, G.A. - NECHAEV, B.A. - PADALKO, V.N. - PARZHITSKII, S.S. - PENKOV, F.M. - PHILIPPOV, A.V. - TULEUSHEV, Yu.Zh. First experimental evidence of $D(p, \gamma)^3\text{He}$ reaction in titanium deuteride in ultralow collision energy region. In Journal of Experimental and Theoretical Physics, 2014, vol. 119, p. 54-62. (0.931 - IF2013). (2014 - Current Contents). ISSN 1063-7761.
- ADCA09 CICEK, A. - INANIR, F. - GÖMÖRY, Fedor. Alternating-current losses in two-layer superconducting cables consisting of second-generation superconductors coated by U-shaped ferromagnetic materials. In Chinese Physics B, 2013, vol. 22, 128403. (1.148 - IF2012). (2013 - Current Contents). ISSN 1674-1056.
- ADCA10 DEMENČÍK, Eduard - VOJENČIAK, Michal - KARIO, A. - NAST, R. - JUNG, A. - GOLDACKER, W. - GRILLI, F. AC loss and coupling currents in YBCO coated conductors with varying number of filaments. In IEEE Transactions on Applied Superconductivity, 2014, vol. 24, 6601008. (1.324 - IF2013). (2014 - Current Contents). ISSN 1051-8223.
- ADCA11 DUBECKÝ, Matúš - DUBECKÝ, František. The work functions of Au/Mg decorated Au(100), Mg(001), and AuMg alloy surfaces: a theoretical studies. In Journal of Chemical Physics, 2014, vol. 141, 094705. (3.122 - IF2013). (2014 - Current Contents). ISSN 0021-9606.
- ADCA12 LAURENČÍKOVÁ, Agáta - ELIÁŠ, Peter - HASENÖHRL, Stanislav - KOVÁČ, Jaroslav - MIKOLÁŠEK, M. - VÁVRA, Ivo - NOVÁK, Jozef. Analysis of the core-shell interface between zinc-blende GaP and wurtzite ZnO. In Solid-State Electronics, 2014, vol. 100, p. 7-10. (1.514 - IF2013). (2014 - Current Contents). ISSN 0038-1101.
- ADCA13 ELIÁŠ, Peter - HASENÖHRL, Stanislav - LAURENČÍKOVÁ, Agáta - ROSOVÁ, Alica - NOVÁK, Jozef. Annealing of gold nanoparticles on GaP(111)B: initial stage of GaP nanowire growth. In Physica Status Solidi RRL : Rapid Research Letters, 2014, vol. 8, p. 321-324. (2.343 - IF2013). (2014 - Current Contents). ISSN 1862-6254.
- ADCA14 GOLDACKER, W. - GRILLI, F. - PARDO, Enric - KARIO, A. - SCHLACHTER, S. - VOJENČIAK, Michal. Roebel cables from REBCO coated conductors: a one-century-old concept for the superconductivity of the future. In Superconductor Science and Technology, 2014, vol. 27, 093001. (2.796 - IF2013). (2014 - Current Contents, WOS). ISSN 0953-2048.
- ADCA15 GRANČIČ, B. - MIKULA, Marian - ROCH, T. - ZEMAN, Petr - SATRAPINSKY, L. - GREGOR, M. - PLECENIK, T. - DOBROČKA, Edmund - HÁJOVSKÁ, Zuzana - MÍČUŠÍK, Matej - ŠATKA, A. - ZAHORAN, M. - PLECENIK, Andrej - KÚŠ, P. Effect of Si addition on mechanical properties and

- high temperature oxidation resistance of Ti-B-Si hard coatings. In Surface and coatings technology, 2014, vol.240, p.48-54. (2.199 - IF2013). (2014 - Current Contents). ISSN 0257-8972.
- ADCA16 GREGUŠOVÁ, Dagmar - JURKOVIČ, Michal - HAŠČÍK, Štefan - BLAHO, Michal - SEIFERTO VÁ, Alena - FEDOR, Ján - ĽAPAJNA, Milan - FRÖHLICH, Karol - VOGRINČIČ, P. - LIDAY, J. - DERLUYN, J. - GERMAIN, M. - KUZMÍK, Ján. Adjustment of threshold voltage in AlN/AlGaN/GaN high-electron mobility transistors by plasma oxidation and Al₂O₃ atomic layer deposition overgrowth. In Applied Physics Letters, 2014, vol. 104, 013506. (3.515 - IF2013). (2014 - Current Contents). ISSN 0003-6951.
- ADCA17 GRILLI, F. - RODRIGUEZ-ZERMENO, V.M. - PARDO, Enric - VOJENČIAK, Michal - BRAND, J. - KARIO, A. - GOLDACKER, W. Self-field effects and AC losses in pancake coils assembled from coated conductor Roebel cables. In IEEE Transactions on Applied Superconductivity, 2014, vol. 24, p. 4801005. (1.324 - IF2013). (2014 - Current Contents). ISSN 1051-8223.
- ADCA18 GRILLI, F. - PARDO, Enric - STENVALL, A. - NGUYEN, D.N. - YUAN, W. - GÖMÖRY, Fedor. Computation of losses in HTS under the action of varying magnetic fields and currents. In IEEE Transactions on Applied Superconductivity, 2014, vol. 24, p. 8200433. (1.324 - IF2013). (2014 - Current Contents). ISSN 1051-8223.
- ADCA19 GRILLI, F. - SIROIS, F. - ZERMONO, V. - VOJENČIAK, Michal. Self-consistent modeling of the I_c of HTS devices: how accurate do models really need to be? In IEEE Transactions on Applied Superconductivity, 2014, vol. 24, 8000508. (1.324 - IF2013). (2014 - Current Contents). ISSN 1051-8223.
- ADCA20 GUCMANN, Filip - GREGUŠOVÁ, Dagmar - STOKLAS, Roman - DÉRER, Ján - KÚDELA, Róbert - FRÖHLICH, Karol - KORDOŠ, Peter. InGaAs/GaAs metal-oxide-semiconductor heterostructure field-effect transistors with oxygen-plasma oxide and Al₂O₃ double-layer insulator. In Applied Physics Letters, 2014, vol. 105, 183504. (3.515 - IF2013). (2014 - Current Contents). ISSN 0003-6951.
- ADCA21 HORVÁTH, B. - ŠUSTEK, M. - VÁVRA, Ivo - MICUŠÍK, Matej - GÁL, M. - HRONEC, M. Gas-phase epoxidation of propylene over iron-containing catalysts: the effect of iron incorporation in the support matrix. In Catalysis Science and Technology, 2014, vol. 4, p. 2664-2673. (4.760 - IF2013). (2014 - Current Contents). ISSN 2044-4753.
- ADCA22 HORVÁTH, Blažej - ŠUSTEK, Martin - ŠKRINIAROVÁ, Jaroslava - OMASTOVÁ, Mária - DOBROČKA, Edmund - HRONEC, Milan. Gas phase hydroxylation of benzene with air-ammonia mixture over copper-based phosphate catalysts. In Applied Catalysis A: General, 2014, vol. 481, p. 71-78. (3.674 - IF2013). (2014 - Current Contents). ISSN 0926-860X.
- ADCA23 HOSSAIN, M.S.A. - MOTAMAN, A. - BARUA, S. - PATEL, D. - MUSTAPIC, M. - KIM, J. H. - MAEDA, M. - RINDFLEISCH, M. - TOMSIC, M. - ÇIÇEK, Özlem - MELIŠEK, Tibor - KOPERA, Ľubomír - KARIO, A. - RINGS DORF, B. - RUNTSCH, B. - JUNG, A. - DOU, S.X. - GOLDACKER, W. - KOVÁČ, Pavol. The role of CHPD: superior critical current density and n-value obtained in binary in situ MgB₂ cables. In Superconductor Science and Technology, 2014, vol. 27, 095016. (2.796 - IF2013). (2014 - Current Contents, WOS). ISSN 0953-2048.
- ADCA24 HOTOVÝ, I. - HAŠČÍK, Štefan - GREGOR, M. - PREDANOCY, M. - PLECENÍK, A. Dry etching characteristics of TiO₂ thin films using inductively coupled plasma for gas sensing. In Vacuum, 2014, vol. 107, p. 20-22. (1.426 - IF2013). (2014 - Current Contents). ISSN 0042-207X.
- ADCA25 HOTOVÝ, I. - KOSTIČ, Ivan - HAŠČÍK, Štefan - ŘEHÁČEK, V. - PREDANOCY,

- M. - BENČUROVÁ, Anna. Patterning of titanium oxide surfaces using inductively coupled plasma for gas sensing. In *Applied Surface Science*, 2014, vol. 312, p. 107-111. (2.538 - IF2013). (2014 - Current Contents). ISSN 0169-4332.
- ADCA26 HUDEC, Boris - PASKALEVA, A. - JANČOVIČ, Peter - DÉRER, Ján - FEDOR, Ján - ROSOVÁ, Alica - DOBROČKA, Edmund - FRÖHLICH, Karol. Resistive switching in TiO₂-based metal-insulator-metal structures with Al₂O₃ barrier layer at the metal/dielectric interface. In *Thin Solid Films*, 2014, vol. 563, p. 10-14. (1.867 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 0040-6090.
- ADCA27 HURAN, Jozef - BALALYKIN, N.I. - FESHCHENKO, A.A. - KOBZEV, A.P. - KLEINOVÁ, Angela - SASINKOVÁ, Vlasta - HRUBČÍN, Ladislav. Transmission photocathodes based on stainless steel mesh coated with deuterated diamond like carbon films. In *Nuclear Instruments and Methods in Physics Research A. Accelerators, Spectrometers, Detectors and Associated Equipment*, 2014, vol. 753, p. 14-18. (1.316 - IF2013). (2014 - Current Contents). ISSN 0168-9002.
- ADCA28 HUSANÍKOVÁ, Petra - CAMBEL, Vladimír - FEDOR, Ján - ŠOLTÝS, Ján - KARAPETROV, Goran. Magnetization studies of Cu_{0.058}TiSe₂ near a quantum critical point. In *Acta Physica Polonica A*, 2014, vol. 126, p. 336-337. (0.604 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 1898-794X.
- ADCA29 HUŠEK, Imrich - KOVÁČ, Pavol - ROSOVÁ, Alica - MELIŠEK, Tibor - PACHLA, W. - HAIN, Miroslav. Advanced MgB₂ wire made by internal magnesium diffusion process. In *Journal of Alloys and Compounds*, 2014, vol. 588, p. 366-369. (2.726 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 0925-8388.
- ADCA30 CHROMIK, Štefan - ŠTRBÍK, Vladimír - DOBROČKA, Edmund - ROCH, T. - ROSOVÁ, Alica - ŠPANKOVÁ, Marianna - LALINSKÝ, Tibor - VANKO, Gabriel - LOBOTKA, Peter - RALBOVSKÝ, M. - CHOLEVA, P. LSMO thin films with high metal-insulator transition temperature on buffered SOI substrates for uncooled microbolometers. In *Applied Surface Science*, 2014, vol. 312, p. 30-33. (2.538 - IF2013). (2014 - Current Contents). ISSN 0169-4332.
- ADCA31 IAVARONE, M. - MOORE, S.A. - FEDOR, Ján - CIOCYS, S.T. - KARAPETROV, Goran - PEARSON, J.E. - NOVOSAD, V. - BADER, S.D. Visualizing domain wall and reverse domain superconductivity. In *Nature Communications*, 2014, vol. 5, p. 4766. (10.742 - IF2013). (2014 - Current Contents). ISSN 2041-1723.
- ADCA32 IŽÁK, T. - BABCHENKO, O. - JIRÁSEK, V. - VANKO, Gabriel - VALLO, Martin - VOJS, M. - KROMKA, A. Selective area deposition of diamond films on AlGa_N/Ga_N heterostructures. In *Physica status solidi B*, 2014, vol. 251, p. 2574-2580. (1.605 - IF2013). (2014 - Current Contents). ISSN 0370-1972.
- ADCA33 JANČOVIČ, Peter - HUDEC, Boris - DOBROČKA, Edmund - DÉRER, Ján - FEDOR, Ján - FRÖHLICH, Karol. Resistive switching in HfO₂-based atomic layer deposition grown metal-insulator-metal structures. In *Applied Surface Science*, 2014, vol. 312, p. 112-116. (2.538 - IF2013). (2014 - Current Contents). ISSN 0169-4332.
- ADCA34 KAČMARČÍK, Jozef - PRIBULOVÁ, Zuzana - PAĽUCHOVÁ, Viktória - HUSANÍKOVÁ, Petra - KARAPETROV, Goran - KOMANICKÝ, Vladimír - SAMUELY, Peter. Specific heat study of superconductivity in Cu_{0.061}TiSe₂. In *Acta Physica Polonica A*, 2014, vol. 126, no. 1, p. 322-323. (0.604 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 1898-794X.
- ADCA35 KOVÁČ, Pavol - KOPERA, Ľubomír - MELIŠEK, Tibor - HUŠEK, Imrich. Electro-mechanical behaviour of in situ W add MgB₂ wire. In *Cryogenics*, 2014, vol. 60, p. 5-8. (0.935 - IF2013). (2014 - Current Contents). ISSN 0011-2275.
- ADCA36 KOVÁČ, Pavol - HUŠEK, Imrich - MELIŠEK, Tibor - KOPERA, Ľubomír -

- KOVÁČ, Ján. Critical currents, I_c -anisotropy and stress tolerance of MgB₂ wires made by internal magnesium diffusion. In *Superconductor Science and Technology*, 2014, vol. 27, 065003. (2.796 - IF2013). (2014 - Current Contents, WOS). ISSN 0953-2048.
- ADCA37 KUZMÍK, Ján. Proposal of normally-off InN-channel high-electron mobility transistors. In *Semiconductor Science and Technology*, 2014, vol. 29, 035015. (2.206 - IF2013). (2014 - Current Contents). ISSN 0268-1242.
- ADCA38 KUZMÍK, Ján - JURKOVIČ, Michal - GREGUŠOVÁ, Dagmar - ĎAPAJNA, Milan - BRUNNER, F. - CHO, E.-M. - MENEGHESSO, G. - WÜRFL, H.-J. Degradation of AlGa_N/Ga_N high-electron mobility transistors in the current-controlled off-state breakdown. In *Journal of Applied Physics*, 2014, vol. 115, 164504. (2.185 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 0021-8979.
- ADCA39 KUZMÍK, Ján - ĎAPAJNA, Milan - VÁLIK, Lukáš - MOLNÁR, M. - DONOVAL, D. - FLEURY, C. - POGANY, D. - STRASSER, G. - HILT, O. - BRUNNER, F. - WÜRFL, H.-J. Self-heating in Ga_N transistors designed for high-power operation. In *IEEE Transactions on Electron Devices*, 2014, vol. 61, p. 3429-3434. (2.358 - IF2013). (2014 - Current Contents). ISSN 0018-9383.
- ADCA40 LAHTINEN, V. - PARDO, Enric - ŠOUČ, Ján - SOLOVYOV, Mykola - STENVALL, A. Ripple field losses in direct current biased superconductors: simulations and comparison with measurements. In *Journal of Applied Physics*, 2014, vol. 115, 113907. (2.185 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 0021-8979.
- ADCA41 LIDAY, J. - VOGRINČIČ, P. - VRETENÁR, Viliam - KOTLÁR, M. - MARTON, M. - VÁVRA, Ivo - HOTOVÝ, I. - BREZA, J. - ŘEHÁČEK, V. The layers of carbon nanomaterials as the base of ohmic contacts to p-Ga_N. In *Applied Surface Science*, 2014, vol. 312, p. 63-67. (2.538 - IF2013). (2014 - Current Contents). ISSN 0169-4332.
- ADCA42 MIKULICS, M. - HARDTDEGEN, H. - ARANGO, Y.C. - ADAM, Roman - FOX, A. - GRÜTZMACHER, D. - GREGUŠOVÁ, Dagmar - STANČEK, S. - NOVÁK, Jozef - KORDOŠ, Peter - SOFER, Z. - JUUL, L. - MARSO, M. Reduction of skin effect losses in double-level-T-gate structure. In *Applied Physics Letters*, 2014, vol. 105, 232102. (3.515 - IF2013). (2014 - Current Contents). ISSN 0003-6951.
- ADCA43 MIKULICS, M. - HARDTDEGEN, H. - ADAM, Roman - GRÜTZMACHER, D. - GREGUŠOVÁ, Dagmar - NOVÁK, Jozef - KORDOŠ, Peter - SOFER, Z. - SERAFINI, J. - ZHANG, J. - SOBOLEWSKI, R. - MARSO, M. Impact of thermal annealing on nonequilibrium carrier dynamics in single-crystal, freestanding GaAs mesostructures. In *Semiconductor Science and Technology*, 2014, vol. 29, 045022. (2.206 - IF2013). (2014 - Current Contents). ISSN 0268-1242.
- ADCA44 MISJÁK, F. - NAGY, K.H. - LOBOTKA, Peter - RADNÓCZI, G. Electron scattering mechanisms in Cu-Mn films for interconnect applications. In *Journal of Applied Physics*, 2014, vol. 116, 083507. (2.185 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 0021-8979.
- ADCA45 MOLNÁR, M. - DONOVAL, D. - KUZMÍK, Ján - MAREK, J. - CHVÁLA, A. - PRÍBYTNÝ, P. - MIKOLÁŠEK, M. - RENDEK, K. - PALANKOVSKI, V. Simulation study of interface traps and bulk traps in n⁺⁺GaN/InAlN/AlN/GaN high electron mobility transistors. In *Applied Surface Science*, 2014, vol. 312, p. 157-161. (2.538 - IF2013). (2014 - Current Contents). ISSN 0169-4332.
- ADCA46 MURAKAMI, K. - ROMMEL, M. - HUDEČ, Boris - ROSOVÁ, Alica - HUŠEKOVÁ, Kristína - DOBROČKA, Edmund - RAMMULA, R. - KASIKOV, A. - HAN, J.H. - LEE, W. - SONG, S.J. - PASKALEVA, A. - BAUER, A.J. - FREY, L. - FRÖHLICH, Karol - AARIK, J. - HWANG, C.S. Nanoscale characterization of TiO₂ films grown by atomic layer deposition on RuO₂ electrodes. In *ACS Applied*

- Materials & Interfaces, 2014, vol. 6, p. 2496-0492. (5.900 - IF2013). (2014 - Current Contents). ISSN 1944-8244.
- ADCA47 NOVÁK, Jozef - ŠUTTA, P. - VÁVRA, Ivo - ELIÁŠ, Peter - HASENÖHRL, Stanislav - LAURENČÍKOVÁ, Agáta - NOVOTNÝ, I. Columnar microstructure of the ZnO shell layer deposited on the GaP nanowires. In Applied Surface Science, 2014, vol. 312, p. 162-166. (2.538 - IF2013). (2014 - Current Contents). ISSN 0169-4332.
- ADCA48 NURGALIEV, T. - BLAGOEV, B. - MATEEV, E. - NESHKOV, L. - ŠTRBÍK, Vladimír - USPENSKAYA, L. - NEDKOV, I. - CHROMIK, Štefan. Investigation of DC current injection effect on the microwave characteristics of HTS YBCO microstrip resonators. In Physica C. Superconductivity and its applications, 2014, vol. 498, p. 1-4. (1.110 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 0921-4534.
- ADCA49 PARDO, Enric. Modelling of AC loss in coils made of thin tapes under DC bias current. In IEEE Transactions on Applied Superconductivity, 2014, vol. 24, 4700105. (1.324 - IF2013). (2014 - Current Contents). ISSN 1051-8223.
- ADCA50 PEKARČIKOVÁ, M. - SKARBA, M. - KONOPKA, P. - JANOVEC, J. - SOLOVYOV, Mykola - PARDO, Enric - GÖMÖRY, Fedor. Investigation of defects in functional layer of high temperature superconducting tapes. In Physica C, 2014, vol. 497, p. 24-29. (1.110 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 0921-4534.
- ADCA51 PERNÝ, M. - HURAN, Jozef - ŠÁLY, V. - VÁRY, M. - PACKA, J. - KOBZEV, A.P. Electrical and structural characterization of carbon based films prepared by RF-PECVD and ECR-PECVD techniques for photovoltaic applications. In Journal of Optoelectronics and Advanced Materials, 2014, vol. 16, p. 306-310. (0.563 - IF2013). (2014 - Current Contents). ISSN 1454-4164.
- ADCA52 PRECNER, Marian - FEDOR, Ján - TÓBIK, Jaroslav - ŠOLTÝS, Ján - CAMBEL, Vladimír. High resolution tips for switching magnetization MFM. In Acta Physica Polonica A, 2014, vol. 126, p. 386-387. (0.604 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 1898-794X.
- ADCA53 RÝGER, Ivan - VANKO, Gabriel - LALINSKÝ, Tibor - KUNZO, Pavol - VALLO, Martin - VÁVRA, Ivo - PLECENIK, T. Pt/NiO ring gate based Schottky diode hydrogen sensors with enhanced sensitivity and thermal stability. In Sensors and Actuators B-Chemical, 2014, vol. 202, p. 1-8. (3.840 - IF2013). (2014 - Current Contents). ISSN 0925-4005.
- ADCA54 SEDLÁČKOVÁ, K. - ZAŤKO, Bohumír - ŠAGÁTOVÁ, A. - PAVLOVIČ, M. - NEČAS, V. - STACHO, M. MCNPX Monte Carlo simulations of particle transport in SiC semiconductor detectors of fast neutrons. In Journal of Instrumentation, 2014, vol. 9, c05016. (1.526 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 1748-0221.
- ADCA55 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.
- ADCA56 SOJKOVÁ, Michaela - ŠTRBÍK, Vladimír - ŠPANKOVÁ, Marianna - CHROMIK, Štefan. Patterning of TI-based superconducting films using new etching solution. In Applied Surface Science, 2014, vol. 312, p. 208-211. (2.538 - IF2013). (2014 - Current Contents). ISSN 0169-4332.
- ADCA57 STOKLAS, Roman - GREGUŠOVÁ, Dagmar - HUŠEKOVÁ, Kristína - MAREK, J. - KORDOŠ, Peter. Trapped charge effects in AlGaIn/GaN metal-oxide-semiconductor structures with Al₂O₃ and ZrO₂ gate insulator. In Semiconductor Science and Technology, 2014, vol. 29, 045003. (2.206 - IF2013).

- (2014 - Current Contents). ISSN 0268-1242.
- ADCA58 ŠAGÁTOVÁ, A. - ZAŤKO, Bohumír - PAVLOVIČ, M. - SEDLAČKOVÁ, K. - HYBLER, P. - DUBECKÝ, František - NEČAS, V. GaAs detectors irradiated by low doses of electrons. In Journal of Instrumentation, 2014, vol. 9, c04036. (1.526 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 1748-0221.
- ADCA59 ŠČEPKA, Tomáš - ŠOLTÝS, Ján - PRECNER, Marian - FEDOR, Ján - TÓBIK, Jaroslav - GREGUŠOVÁ, Dagmar - GUCMANN, Filip - KÚDELA, Róbert - CAMBEL, Vladimír. Vortex dynamics in ferromagnetic nanoelements observed by micro-hall probes. In Acta Physica Polonica A, 2014, vol. 126, p. 390-391. (0.604 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 1898-794X.
- ADCA60 ŠPANKOVÁ, Marianna - CHROMIK, Štefan - DOBROČKA, Edmund - ŠTRBÍK, Vladimír - SOJKOVÁ, Michaela. LSMO films with increased temperature of MI transition. In Acta Physica Polonica A, 2014, vol. 126, p. 212-213. (0.604 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 1898-794X.
- ADCA61 ŠTRBÍK, Vladimír - REIFFERS, Marián - DOBROČKA, Edmund - ŠOLTÝS, Ján - ŠPANKOVÁ, Marianna - CHROMIK, Štefan. Epitaxial LSMO thin films with correlation of electrical and magnetic properties above 400K. In Applied Surface Science, 2014, vol. 312, p. 212-215. (2.538 - IF2013). (2014 - Current Contents). ISSN 0169-4332.
- ADCA62 ŠTRBÍK, Vladimír - REIFFERS, Marián - CHROMIK, Štefan - ŠPANKOVÁ, Marianna. Approximation of electrical and magneto transport properties of LSMO thin films. In Acta Physica Polonica A, 2014, vol. 126, no. 1, p. 210-211. (0.604 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 1898-794X.
- ADCA63 ŤAPAJNA, Milan - KILLAT, N. - PALANKOVSKI, V. - GREGUŠOVÁ, Dagmar - ČIČO, Karol - CARLIN, J.-F. - GRANDJEAN, N. - KUBALL, M. - KUZMÍK, Ján. Hot-electron-related degradation in InAlN/GaN high-electron-mobility transistors. In IEEE Transactions on Electron Devices, 2014, vol. 61, p. 2793-2801. (2.358 - IF2013). (2014 - Current Contents). ISSN 0018-9383.
- ADCA64 ŤAPAJNA, Milan - JURKOVIČ, Michal - VÁLIK, Lukáš - HAŠČÍK, Štefan - GREGUŠOVÁ, Dagmar - BRUNNER, F. - CHO, E.-M. - HASHIZUME, T. - KUZMÍK, Ján. Impact of GaN cap on charges in Al₂O₃/(GaN)/AlGaIn/GaN metal-oxide-semiconductor heterostructures analyzed by means of capacitance measurements and simulations. In Journal of Applied Physics, 2014, vol. 116, 104501. (2.185 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 0021-8979.
- ADCA65 TRGALA, M. - ŽEMLIČKA, M. - NEILINGER, P. - REHÁK, M. - LEPORIS, M. - GAŽI, Štefan - GREGUŠ, J. - PLECENIK, T. - ROCH, T. - DOBROČKA, Edmund - GRAJCAR, M. Superconducting MoC thin films with enhanced sheet resistance. In Applied Surface Science, 2014, vol. 312, p. 216-219. (2.538 - IF2013). (2014 - Current Contents). ISSN 0169-4332.
- ADCA66 TSINDLEKHT, M.I. - GENKIN, V.M. - FELNER, I. - ZEIDES, F. - KATZ, N. - GAŽI, Štefan - CHROMIK, Štefan. dc and ac magnetic properties of thin-walled superconducting niobium cylinders. In Physical Review B, 2014, vol. 90, 014514. (3.664 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 1098-0121.
- ADCA67 UŠÁK, E. - ŠOKA, Milan - UŠÁKOVÁ, M. - DOBROČKA, Edmund. Structural and magnetic properties of nano-sized NiZn ferrites. In Acta Physica Polonica A, 2014, vol. 126, p. 68-69. (0.604 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 1898-794X.
- ADCA68 VAGOVIČ, Patrik - ŠVÉDA, L. - CECILIA, A. - HAMANN, E. - PELLICCIA, D. - GIMENEZ, E.N. - KORYTÁR, Dušan - PAVLOV, K.M. - ZÁPRAŽNÝ, Zdenko - ZUBER, M. - KOENIG, T. - OLBINADO, M. - YASHIRO, W. - MOMOSE, A. - FIEDERLE, M. - BAUMBACH, T. X-ray Bragg magnifier microscope as a linear

- shift invariant imaging system: image formation and phase retrieval. In Optics Express, 2014, vol. 22, 21508. (3.525 - IF2013). (2014 - Current Contents). ISSN 1094-4087.
- ADCA69 PRIBULOVÁ, Zuzana - MEDVECKÁ, Zuzana - KAČMARČÍK, Jozef - KOMANICKÝ, Vladimír - KLEIN, T. - HUSANÍKOVÁ, Petra - CAMBEL, Vladimír - ŠOLTÝS, Ján - KARAPETROV, Goran - SAMUELY, Peter. Local magnetometry of Cu_{0.064}TiSe₂. In Acta Physica Polonica A, 2014, vol. 126, no. 1, p. 370-371. (0.604 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 1898-794X.
- ADCA70 WACHULAK, P.W. - WEGRZYNSKI, L. - ZÁPRAŽNÝ, Zdenko - BARTNIK, A. - FOK, T. - JAROCKI, R. - KOSTECKI, J. - SZCZUREK, M. - KORYTÁR, Dušan - FIEDOROWICZ, H. Extreme ultraviolet tomography using a compact laser-plasma source for 3D reconstruction of low density objects. In Optics Letters, 2014, vol. 39, p. 532-535. (3.179 - IF2013). (2014 - Current Contents). ISSN 0146-9592.
- ADCA71 WACHULAK, P.W. - WEGRZYNSKI, L. - ZÁPRAŽNÝ, Zdenko - BARTNIK, A. - FOK, T. - JAROCKI, R. - KOSTECKI, J. - SZCZUREK, M. - KORYTÁR, Dušan - FIEDOROWICZ, H. Extreme ultraviolet tomography of multi-jet gas puff target for high-order harmonic generation. In Applied Physics B: Lasers and Optics, 2014, vol. 117, p. 253-263. (1.634 - IF2013). (2014 - Current Contents). ISSN 0946-2171.
- ADCA72 ZATKO, Bohumír - SEDLAČKOVÁ, K. - DUBECKÝ, František - ŠAGÁTOVÁ, A. - BOHÁČEK, Pavol - NEČAS, V. Semiconductor detector based on 4H-SiC and analysis of its active region thickness. In Journal of Instrumentation, 2014, vol. 9, c05041. (1.526 - IF2013). (2014 - Current Contents, WOS, SCOPUS). ISSN 1748-0221.

ADEB Vedecké práce v zahraničných nekarentovaných časopisoch neimpaktovaných

- ADEB01 BLAGOEV, B. - GOSTEV, I. - NURGALIEV, T. - ŠTRBÍK, Vladimír - BINEVA, I. - USPENSKAYA, L. - MATEEV, E. - NESHKOV, L. - DOBROČKA, Edmund - CHROMIK, Štefan. Deposition and characterization of thin HTS and magnetic perovskite films. In Journal of Physics: Conference Series, 2014, vol. 514, 012041. (2014 - WOS, SCOPUS). ISSN 1742-6588.
- ADEB02 BYSTRITSKY, V.M. - BYSTRITSKY, Vit. M. - DUDKIN, G.N. - FILIPOWICZ, M. - GAŽI, Štefan - HURAN, Jozef - NECHAEV, B.A. - PADALCO, V.N. - PARZHITSKII, S.S. - PENKOV, F.M. - PHILIPPOV, A.V. - TULEUSHEV, Yu.Zh. Experimental observation of electron screening for the D(p, γ)³He nuclear reaction in titanium deuteride TiD. In Physics of Particles and Nuclei Letters, 2014, vol. 11, p. 467-472. (2014 - SCOPUS). ISSN 1547-4771.
- ADEB03 ĐURINA, P. - PLECENIK, T. - MOŠKO, Martin - HAIDRY, A.A. - TRUCHLY, M. - MIKULA, M. - GRANČIČ, B. - ROCH, T. - GREGOR, M. - SATRAPINSKY, L. - KÚŠ, P. - PLECENIK, Andrej. Properties of metal oxide gas sensors with electrodes placed below and on top of the sensing layer. In Key Engineering Materials, 2014, vol. 605, p. 527-530. (2014 - WOS, SCOPUS). ISSN 1013-9826.
- ADEB04 DZUBA, Jaroslav - DRŽÍK, Milan - VANKO, Gabriel - RÝGER, Ivan - VALLO, Martin - KUTIŠ, V. - LALINSKÝ, Tibor. Modal analysis of Gallium Nitride membrane for pressure sensing device. In Key Engineering Materials, 2014, vol. 605, p. 404-407. (2014 - WOS, SCOPUS). ISSN 1013-9826.
- ADEB05 FROLEK, Lubomír - PARDO, Enric - GÖMÖRY, Fedor - ŠOUC, Ján - PITEL, Jozef. Split coil made of (RE)BCO pancake coils for I_c(B) measurements of superconductors. In Journal of Physics: Conference Series, 2014, vol. 507, 012014. (2014 - WOS, SCOPUS). ISSN 1742-6588.

- ADEB06 HRUBČÍN, Ladislav - HURAN, Jozef - GUROV, J.B. - KATULINA, S.L. - ROZOV, S.V. - SANDUKOVSKIJ, V.G. Silicon detectors for multilayered spectrometers of charged particles. In *Bezpečnosť jaderné energie*, 2014, roč. 22, p. 87-92. ISSN 1210-7085.
- ADEB07 NAST, R. - VOJENČIAK, Michal - DEMENČÍK, Eduard - KARIO, A. - RINGSDORF, B. - JUNG, A. - RUNTSCH, B. - GRILLI, F. - GOLDACKER, W. Influence of laser striations on the properties of coated conductors. In *Journal of Physics: Conference Series*, 2014, vol. 507, 022023. (2014 - WOS, SCOPUS). ISSN 1742-6588.
- ADEB08 NISHIHA, A. - TAKA, C. - CHROMIK, Štefan - DURNÝ, R. Comparison of critical properties in MgB₂ nanometer films prepared on SiC/Si substrate. In *Journal of Physics: Conference Series*, 2014, vol. 507, 012036. (2014 - WOS, SCOPUS). ISSN 1742-6588.
- ADEB09 NOVÁK, Jozef - ELIÁŠ, Peter - HASENÖHRL, Stanislav - VÁVRA, Ivo - KRIŽANOVÁ, Zuzana - NOVOTNÝ, I. - KOVÁČ, Jaroslav. Growth and properties of core-shell GaP/ZnO nanowires. In *AIP Conference Proceedings*, 2014, vol. 1598, p. 118. (2014 - SCOPUS, WOS). ISSN 0094-243X.
- ADEB10 PASKALEVA, A. - HUDEČ, Boris - JANČOVIČ, Peter - FRÖHLICH, Karol - SPASSOV, D. The influence of technology and switching parameters on resistive switching behaviour of Pt/HfO₂/TiN MIM structures. In *Facta universitatis : series: Electronics and Energetics*, 2014, vol. 27, p. 621-630. ISSN 0353-3670.
- ADEB11 PLECENIK, Andrej - HAIDRY, A.A. - PLECENIK, T. - ĎURINA, P. - TRUCHLY, M. - MOŠKO, Martin - GRANČIČ, B. - GREGOR, M. - ROCH, T. - SATRAPINSKY, L. - MOŠKOVÁ, Antónia - MIKULA, M. - KÚŠ, P. Metal oxide gas sensors on the nanoscale. In *Proceedings of the SPIE*, 2014, vol. 9083, 90830Y. (2014 - SCOPUS). ISSN 0277-786X.
- ADEB12 RÝGER, Ivan - VANKO, Gabriel - LALINSKÝ, Tibor - DZUBA, Jaroslav - VALLO, Martin - KUNZO, Pavol - VÁVRA, Ivo. Enhanced sensitivity of Pt/NiO gate based AlGaIn/GaN C-HEMT hydrogen sensor. In *Key Engineering Materials*, 2014, vol. 605, p. 491-494. (2014 - WOS, SCOPUS). ISSN 1013-9826.
- ADEB13 SANZ, S. - ARLABAN, T. - MANZANAS, R. - TROPEANO, M - FUNKE, R. - KOVÁČ, Pavol - YANG, Y. - NEUMANN, H. - MONDESERT, B. Superconducting light generator for large offshore wind turbines. In *Journal of Physics: Conference Series*, 2014, vol. 507, 032040. (2014 - WOS, SCOPUS). ISSN 1742-6588.
- ADEB14 SOLOVYOV, Mykola - ŠOUC, Ján - GÖMÖRY, Fedor. AC loss properties of single-layer CORC cables. In *Journal of Physics: Conference Series*, 2014, vol. 507, 022034. (2014 - WOS, SCOPUS). ISSN 1742-6588.
- ADEB15 ŠÁLY, V. - HURAN, Jozef - PERNÝ, M. Study of Al/a-SiC/c-Si(p) Al structures for PV applications. In *Journal of International Scientific Publications : Materials, Methods and Technologies*, 2014, vol. 8, p. 547-556. ISSN 1313-1539.
- ADEB16 ŠTRBÍK, Vladimír - BLAGOEV, B. - MATEEV, E. - NURGALIEV, T. Electrical transport in epitaxial and polycrystalline thin LSMO films. In *Journal of Physics: Conference Series*, 2014, vol. 514, 012042. (2014 - WOS, SCOPUS). ISSN 1742-6588.
- ADEB17 ZÁPRAŽNÝ, Zdenko - KORYTÁR, Dušan - ŠIFFALOVIČ, Peter - JERGEL, Matej - DEMYDENKO, Maksym - MIKULÍK, P. - DOBROČKA, Edmund - FERRARI, C. - VAGOVIČ, Patrik - MIKLOŠKA, M. Simulations and surface quality testing of high asymmetry angle x-ray crystal monochromators for advanced x-ray imaging applications. In *Proceedings of the SPIE*, 2014, vol. 9207, 92070Y. (2014 - SCOPUS). ISSN 0277-786X.

ADFA Vedecké práce v domácich nekarentovaných časopisoch impaktovaných

- ADFA01 HARMATHA, L. - MIKOLÁŠEK, M. - NEMEC, M. - JANÍČEK, František - HRUBČÍN, Ladislav - SKURATOV, V.A. Electrical properties of solar cells with a heterojunction of amorphous and crystalline silicon irradiated by heavy xenon ions. In Journal of Electrical Engineering, 2014, vol. 65, p. Suppl. 30-33. (0.420 - IF2013). (2014 - INSPEC, WOS, SCOPUS). ISSN 1335-3632.
- ADFA02 PERNÝ, M. - ŠÁLY, V. - VÁRY, M. - MIKOLÁŠEK, M. - HURAN, Jozef - PACKA, J. AC impedance spectroscopy of Al/a-SiC/c-Si(p)/Al heterostructure under illumination. In Journal of Electrical Engineering, 2014, vol. 65, p. 178-178. (0.420 - IF2013). (2014 - INSPEC, WOS, SCOPUS). ISSN 1335-3632.

AEC Vedecké práce v zahraničných recenzovaných vedeckých zborníkoch (aj konferenčných), monografiách

- AEC01 BAI RAMIS, A.I. - ADIKIMENAKIS, A. - AJAGUNNA, A.O. - KEHAGIAS, Th. - DIMITRAKOPULOS, G.P. - KIOSEOGLOU, J. - KOMNINO, Ph. - ZERVOS, Christian - KUZMÍK, Ján - GEORGAKILAS, A. Different polarities of InN (0001) heterostructures on Si (111) substrates. In ASDAM 2014 : The 10th International Conference on Advanced Semiconductor Devices and Microsystems. Eds. J. Breza, D. Donoval, and E. Vavrinsky. - IEEE, 2014, p. 129-131. ISBN 978-1-4799-5474-2.
- AEC02 BOHÁČEK, Pavol - ZAŤKO, Bohumír - ŠAGÁTOVÁ, A. - HYBLER, P. - SEKÁČOVÁ, Mária. Electrical properties of semi-insulating GaAs irradiated with 5 MeV electrons. In ASDAM 2014 : The 10th International Conference on Advanced Semiconductor Devices and Microsystems. Eds. J. Breza, D. Donoval, and E. Vavrinsky. - IEEE, 2014, p. 45-48. ISBN 978-1-4799-5474-2.
- AEC03 BÚC, D. - KOVÁČ, Jaroslav - KUTIŠ, V. - MURÍN, J. - ČAPLOVIČOVÁ, M. - ŠKRINIAROVÁ, J. - NOVÁK, P. - NOVÁK, Jozef - HASENÖHRL, Stanislav - DOBROČKA, Edmund. Residual stress in RF magnetron deposited ZnO/GaP thin films and nanowires. In Proceedings of the jointly organized 11th World Congress on Computational Mechanics (WCCM XI), 5th European Conference on Computational Mechanics (ECCM V), 6th European Conference on Computational Fluid Dynamics (ECFD VI). Eds. E. Oñate, X. Oliver, and A. Huerta. - Barcelona : CIMNE, 2014, p. 2846-2856. ISBN 978-84-942844-7-2.
- AEC04 ČIČO, Karol - ADIKIMENAKIS, A. - MIČUŠÍK, Matej - HAŠČÍK, Štefan - GEORGAKILAS, A. - KUZMÍK, Ján. Material and electrical properties of N-polar (GaN)/InN surfaces. In ASDAM 2014 : The 10th International Conference on Advanced Semiconductor Devices and Microsystems. Eds. J. Breza, D. Donoval, and E. Vavrinsky. - IEEE, 2014, p. 271-274. ISBN 978-1-4799-5474-2.
- AEC05 DUBECKÝ, František - ZAŤKO, Bohumír - VANKO, Gabriel - HUBÍK, P. - OSWALD, J. - KINDL, D. - GOMBIA, E. - KOVÁČ, Jaroslav - ŠAGÁTOVÁ, A. - NEČAS, V. M/SI-GaAs/M diode: role of the metal contact in electrical transport, α -particle and photon detection. In ASDAM 2014 : The 10th International Conference on Advanced Semiconductor Devices and Microsystems. Eds. J. Breza, D. Donoval, and E. Vavrinsky. - IEEE, 2014, p. 49-52. ISBN 978-1-4799-5474-2.
- AEC06 DZUBA, Jaroslav - VANKO, Gabriel - RÝGER, Ivan - VALLO, Martin - KUTIŠ, V. - LALINSKÝ, Tibor. Influence of temperature on the sensitivity of the AlGaIn/GaN C HEMT based piezoelectric pressure sensor. In ASDAM 2014 : The 10th International Conference on Advanced Semiconductor Devices and Microsystems. Eds. J. Breza, D. Donoval, and E. Vavrinsky. - IEEE, 2014, p. 5-8. ISBN 978-1-4799-5474-2.
- AEC07 FOX, A. - MIKULICS, M. - HARDTDEGEN, H. - TRELLENKAMP, St. -

- ARANGO, Y.C. - GRÜTZMACHER, D. - SOFER, Z. - GREGUŠOVÁ, Dagmar - NOVÁK, Jozef - KORDOŠ, Peter - MARSO, M. Novel double-level-gate technology. In ASDAM 2014 : The 10th International Conference on Advanced Semiconductor Devices and Microsystems. Eds. J. Breza, D. Donoval, and E. Vavrinsky. - IEEE, 2014, p. 89-92. ISBN 978-1-4799-5474-2.
- AEC08 GÖMÖRY, Fedor. Superconductor dynamics. In Proceedings of the CAS-CERN Accelerator School : superconductivity for accelerators. Ed. R. Bailey. - Geneva : CERN, 2014, p. 477-495. ISBN 978-92-9083-405-2.
- AEC09 KÓSA, A. - BENKOVSKÁ, J. - STUHLÍKOVÁ, Ľ. - BÚC, D. - DUBECKÝ, František - HARMATHA, L. Radiation hardness of 4H-SiC structures. In ASDAM 2014 : The 10th International Conference on Advanced Semiconductor Devices and Microsystems. Eds. J. Breza, D. Donoval, and E. Vavrinsky. - IEEE, 2014, p. 41-44. ISBN 978-1-4799-5474-2.
- AEC10 LUBY, Štefan - JERTEL, Matej - BENKOVIČOVÁ, Monika - ŠIFFALOVÍČ, Peter - IVANČO, Ján - VÉGSO, Karol - MAJKOVÁ, Eva - RELLA, R. - MANERA, M.G. - CAPONE, S. - VÁVRA, Ivo. Sensitivity and long term stability of γ -Fe₂O₃ and CoFe₂O₄ nanoparticle gas sensors for NO₂, CO and acetone sensing - a comparative study. In ASDAM 2014 : The 10th International Conference on Advanced Semiconductor Devices and Microsystems. Eds. J. Breza, D. Donoval, and E. Vavrinsky. - IEEE, 2014, p. 251-254. ISBN 978-1-4799-5474-2.
- AEC11 OSVALD, Jozef. Influence of interface deep traps on capacitance of AlGaIn/GaN heterojunctions. In Physics of Semiconductor Devices : 17th International Workshop on the Physics of Semiconductor Devices 2013. Eds. V.K. Jain, A.R. Verma. - Heidelberg : Springer, 2014, p. 215-217. ISBN 978-3-319-03002-9.
- AEC12 OSVALD, Jozef - VANKO, Gabriel - FRÖHLICH, Karol. Frequency dependent capacitance of insulator GaN/AlGaIn/GaN heterostructure. In ASDAM 2014 : The 10th International Conference on Advanced Semiconductor Devices and Microsystems. Eds. J. Breza, D. Donoval, and E. Vavrinsky. - IEEE, 2014, p. 221-224. ISBN 978-1-4799-5474-2.
- AEC13 STOKLAS, Roman - GREGUŠOVÁ, Dagmar - BLAHO, Michal - ČIČO, Karol - FRÖHLICH, Karol - NOVÁK, Jozef - KORDOŠ, Peter. Gate leakage reduction of AlGaIn/GaN MOS-HFETs with HfO₂ prepared by ALD. In ASDAM 2014 : The 10th International Conference on Advanced Semiconductor Devices and Microsystems. Eds. J. Breza, D. Donoval, and E. Vavrinsky. - IEEE, 2014, p. 133-136. ISBN 978-1-4799-5474-2.
- AEC14 ŠAGÁTOVÁ, A. - ZAŤKO, Bohumír - SEDLAČKOVÁ, K. - NEČAS, V. - FULOP, M. Electron irradiation effects on the spectrometric characteristics of GaAs detectors. In ASDAM 2014 : The 10th International Conference on Advanced Semiconductor Devices and Microsystems. Eds. J. Breza, D. Donoval, and E. Vavrinsky. - IEEE, 2014, p. 61-64. ISBN 978-1-4799-5474-2.
- AEC15 ŠATKA, A. - PRIESOL, J. - BERNÁT, M. - DONOVAL, D. - KOVÁČ, Jaroslav - ALLSOPP, D.W.E. - KUZMÍK, Ján. Time Resolved EBIC study of InAlN/GaN HFETs. In ASDAM 2014 : The 10th International Conference on Advanced Semiconductor Devices and Microsystems. Eds. J. Breza, D. Donoval, and E. Vavrinsky. - IEEE, 2014, p. 145-148. ISBN 978-1-4799-5474-2.
- AEC16 ĎAPAJNA, Milan - VÁLIK, Lukáš - KOTARA, P. - ZHYTNYTSKA, R. - BRUNNER, F. - HILT, O. - BAHAT-TREIDEL, E. - WÜRFL, H.-J. - KUZMÍK, Ján. Impact of the buffer structure on trapping characteristics of normally-off p-GaN/AlGaIn/GaN HEMTs for power switching applications. In ASDAM 2014 : The 10th International Conference on Advanced Semiconductor Devices and Microsystems. Eds. J. Breza, D. Donoval, and E. Vavrinsky. - IEEE, 2014, p. 121-124. ISBN 978-1-4799-5474-2.

- AEC17 VANKO, Gabriel - VOJS, M. - IŽÁK, T. - POTOCKÝ, Štěpán - CHOLEVA, P. - MARTON, M. - RÝGER, Ivan - DZUBA, Jaroslav - LALINSKÝ, Tibor. AlGaN/GaN micromembranes with diamond coating for high electron mobility transistors operated at high temperatures. In ASDAM 2014 : The 10th International Conference on Advanced Semiconductor Devices and Microsystems. Eds. J. Breza, D. Donoval, and E. Vavrinsky. - IEEE, 2014, p. 263-266. ISBN 978-1-4799-5474-2.
- AEC18 ZAŤKO, Bohumír - DUBECKÝ, František - SEDLAČKOVÁ, K. - ŠAGÁTOVÁ, A. - BOHÁČEK, Pavol - SEKÁČOVÁ, Mária - NEČAS, V. Analysis of detection properties of particle detectors based on 4H-SiC high quality epitaxial layer. In ASDAM 2014 : The 10th International Conference on Advanced Semiconductor Devices and Microsystems. Eds. J. Breza, D. Donoval, and E. Vavrinsky. - IEEE, 2014, p. 65-68. ISBN 978-1-4799-5474-2.
- AEC19 ZEHETNER, J. - VANKO, Gabriel - CHOLEVA, P. - DZUBA, Jaroslav - RÝGER, Ivan - LALINSKÝ, Tibor. Using of laser ablation technique in the processing technology of GaN/SiC based MEMS for extreme conditions. In ASDAM 2014 : The 10th International Conference on Advanced Semiconductor Devices and Microsystems. Eds. J. Breza, D. Donoval, and E. Vavrinsky. - IEEE, 2014, p. 259-262. ISBN 978-1-4799-5474-2.

AED Vedecké práce v domácich recenzovaných vedeckých zborníkoch (aj konferenčných), monografiách

- AED01 BLAHO, Michal - DÉRER, Ján - LIDAY, J. - VOGRINČIČ, P. - KORDOŠ, Peter - NOVÁK, Jozef - GREGUŠOVÁ, Dagmar. Low temperature ohmic contacts for self/aligned GaN-based HEMTs. In Proceedings of ADEPT : 2nd International Conference on Advances in Electronic and Photonic Technologies. Eds. D. Pudiš ... [et al.]. - Žilina : University of Žilina, 2014, p. 124-127. ISBN 978-80-554-0881-1.
- AED02 BOHÁČEK, Pavol - DUBECKÝ, František - SEKÁČOVÁ, Mária - ZAŤKO, Bohumír. Temperature dependences of current-voltage characteristics on metal/semi-insulating GaAs structures. In Proceedings of the 20th International Conference on Applied Physics of Condensed Matter : APCOM 2014. Eds. J.Vajda, I.Jamnický. - Bratislava : FEI STU, 2014, p. 145-148.
- AED03 BRUNCKO, J. - MICHALKA, M. - NOVÁK, Jozef - KOVÁČ, Jaroslav Jr. Pulsed laser deposition of thin ZnO layers on GaP nanorods. In Proceedings of ADEPT : 2nd International Conference on Advances in Electronic and Photonic Technologies. Eds. D. Pudiš ... [et al.]. - Žilina : University of Žilina, 2014, p. 13-18. ISBN 978-80-554-0881-1.
- AED04 DUBECKÝ, František - OSVALD, J. - KINDL, D. - HUBÍK, P. - GOMBIA, E. - ŠAGÁTOVÁ, A. - BOHÁČEK, Pavol - SEKÁČOVÁ, Mária - NEČAS, V. - MUDROŇ, J. Photocurrent spectroscopy of semi-insulating GaAs M-S-M diodes with a new contact metallization. In Proceedings of the 20th International Conference on Applied Physics of Condensed Matter : APCOM 2014. Eds. J.Vajda, I.Jamnický. - Bratislava : FEI STU, 2014, p. 214-218.
- AED05 LAURENČÍKOVÁ, Agáta - HASENÖHRL, Stanislav - DÉRER, Ján - ELIÁŠ, Peter - HRONEC, P. - KOVÁČ, Jaroslav - NOVÁK, Jozef. Fabrication of GaP nanowire arrays on top InGaP solar cells. In Proceedings of ADEPT : 2nd International Conference on Advances in Electronic and Photonic Technologies. Eds. D. Pudiš [et al.]. - Žilina : University of Žilina, 2014, p. 259-262. ISBN 978-80-554-0881-1.
- AED06 DZUBA, Jaroslav - VANKO, Gabriel - DRŽÍK, Milan - RÝGER, Ivan - VALLO, Martin - LALINSKÝ, Tibor - KUTIŠ, V. - HAŠKO, D. - SRNÁNEK, R. The AlGaIn/GaN C-HEMT diaphragm-based MEMS pressure sensor for harsh environment. In 17. škola vákuovej techniky : analýza materiálov vo vákuu. Material

- analysis in vacuum. Eds. M. Michalka, A. Vincze, M. Veselý. - Bratislava : FEI STU, 2014, p. 142-145. ISBN 978-80-971179-4-8.
- AED07 FLOROVIČ, M. - KOVÁČ, Jaroslav - BENKO, P. - CHVÁLA, A. - ŠKRINIAROVÁ, J. - KORDOŠ, Peter. Electrical properties of recessed AlGaIn/GaN Schottky diodes under off-state stress. In Proceedings of ADEPT : 2nd International Conference on Advances in Electronic and Photonic Technologies. Eds. D. Pudiš ... [et al.]. - Žilina : University of Žilina, 2014, p. 144-147. ISBN 978-80-554-0881-1.
- AED08 GÁLIK, G. - KUTIŠ, V. - MURÍN, J. - LALINSKÝ, Tibor. 3D FEM model of piezoelectric saw sensor. In Proceedings of the 20th International Conference on Applied Physics of Condensed Matter : APCOM 2014. Eds. J.Vajda, I.Jamnický. - Bratislava : FEI STU, 2014, p. 316-319.
- AED09 GÖMÖRY, Fedor - MOŠAŤ, M. - ŠOUC, Ján. Superconducting fault current limiter operating in liquid nitrogen. In ELEKTRO 2014 : proceedings of the 10th international conference. Eds. P. Brida, J. Dubovan, M. Markovič. - Žilina : FEE Univ. of Žilina, 2014, p. (2014 - SCOPUS). ISBN 978-1-4799-3721-9.
- AED10 GUCMANN, Filip - KÚDELA, Róbert - FRÖHLICH, Karol - LIDAY, J. - VOGRINČIČ, P. - GAŽI, Štefan - STOKLAS, Roman - KORDOŠ, Peter - NOVÁK, Jozef - GREGUŠOVÁ, Dagmar. III-As high electron mobility transistors with recessed ex-situ gate oxide. In Proceedings of ADEPT : 2nd International Conference on Advances in Electronic and Photonic Technologies. Eds. D. Pudiš ... [et al.]. - Žilina : University of Žilina, 2014, p. 5-8. ISBN 978-80-554-0881-1.
- AED11 HARMATHA, L. - ŽIŠKA, Milan - JANČOVIČ, Peter - FRÖHLICH, Karol - HRUBČÍN, Ladislav - MIKOLÁŠEK, M. - BENKO, P. - RACKO, J. - SKURATOV, V.A. Electro-physical properties of mim structures after Xe heavy ion irradiation. In Proceedings of the 20th International Conference on Applied Physics of Condensed Matter : APCOM 2014. Eds. J.Vajda, I.Jamnický. - Bratislava : FEI STU, 2014, p. 44-47.
- AED12 HARMATHA, L. - MIKOLÁŠEK, M. - NEMEC, M. - HRUBČÍN, Ladislav - SKURATOV, V.A. Radiation hardness of solar cells with a heterojunction of amorphous and crystalline silicon. In Renewable Energy Sources 2014 : 5th International Scientific Conference. Eds. J. Cirák, M. Perný, M. Smitková. - Bratislava : FEI STU, 2014, p. 143-146. ISBN 978-80-89402-74-8.
- AED13 HRKÚT, Pavol - ANDOK, Róbert - BENČUROVÁ, Anna - NEMEC, Pavol - KONEČNÍKOVÁ, Anna - MATAY, Ladislav - HAŠČÍK, Štefan. RIE plasma etching of GaAs in SiCl₄ and CCl₄ gases with different resists as etch masks. In Proceedings of the 20th International Conference on Applied Physics of Condensed Matter : APCOM 2014. Eds. J.Vajda, I.Jamnický. - Bratislava : FEI STU, 2014, p. 312-315.
- AED14 HURAN, Jozef - KLEINOVÁ, Angela - SASINKOVÁ, Vlasta - KOBZEV, A.P. - BOHÁČEK, Pavol - SEKÁČOVÁ, Mária - ARBET, Juraj. Plasma enhanced chemical vapor deposition of low-k a-SiC:H thin films:FTIR study of chemical bonding. In Proceedings of ADEPT : 2nd International Conference on Advances in Electronic and Photonic Technologies. Eds. D. Pudiš ... [et al.]. - Žilina : University of Žilina, 2014, p. 168-171. ISBN 978-80-554-0881-1.
- AED15 HURAN, Jozef - BALALYKIN, N.I. - FESCHENKO, A.A. - KOVÁČ, Jaroslav Jr. - KOBZEV, A.P. - ARBET, Juraj. Deuterated diamond like carbon films prepared by reactive magnetron sputtering for transmission photocathode application. In Proceedings of ADEPT : 2nd International Conference on Advances in Electronic and Photonic Technologies. Eds. D. Pudiš ... [et al.]. - Žilina : University of Žilina, 2014, p. 247-250. ISBN 978-80-554-0881-1.
- AED16 KOSTIČ, Ivan - ANDOK, Róbert - BENČUROVÁ, Anna - GLEZOS, N. - HAŠČÍK, Štefan - KONEČNÍKOVÁ, Anna - NEMEC, Pavol - RITOMSKÝ, Adrian

- ŠKRINIAROVÁ, J. Investigation of e-beam resists for structure patterning in the nanophotonic device fabrication. In Proceedings of ADEPT : 2nd International Conference on Advances in Electronic and Photonic Technologies. Eds. Pudiš, D. et al. - Žilina : University of Žilina, 2014, p. 241-246. ISBN 978-80-554-0881-1.
- AED17 KOVÁČ, Jaroslav - FLICKYNGEROVÁ, S. - WEIS, M. - NOVOTNÝ, I. - LAURENČÍKOVÁ, Agáta - NOVÁK, Jozef. Properties of polymer- GaP/ZnO nanowire hybrid organic photovoltaic devices. In Proceedings of ADEPT : 2nd International Conference on Advances in Electronic and Photonic Technologies. Eds. D. Pudiš ... [et al.]. - Žilina : University of Žilina, 2014, p. 95-98. ISBN 978-80-554-0881-1.
- AED18 KOVÁČ, Jaroslav Jr. - BRUNCKO, J. - BÚC, D. - NOVOTNÝ, I. - NOVÁK, Jozef - KOVÁČ, Jaroslav. Optical properties of ZnO thin films grown on GaP substrate by different growth techniques. In Proceedings of ADEPT : 2nd International Conference on Advances in Electronic and Photonic Technologies. Eds. D. Pudiš ... [et al.]. - Žilina : University of Žilina, 2014, p. 172-175. ISBN 978-80-554-0881-1.
- AED19 NOVÁK, P. - DOBROČKA, Edmund - BÚC, D. - KOVÁČ, Jaroslav. Determination of residual stress in thin film by GIXRD. In Proceedings of the 20th International Conference on Applied Physics of Condensed Matter : APCOM 2014. Eds. J.Vajda, I.Jamnický. - Bratislava : FEI STU, 2014, p. 300-303.
- AED20 OSVALD, Jozef. Frequency dependence of capacitance characteristics of III-N heterostructures. In Proceedings of ADEPT : 2nd International Conference on Advances in Electronic and Photonic Technologies. Eds. D. Pudiš et al. - Žilina : University of Žilina, 2014, p. 136-138. ISBN 978-80-554-0881-1.
- AED21 SEDLÁČKOVÁ, K. - ŠAGÁTOVÁ, A. - ZAŤKO, Bohumír - NEČAS, V. MCNPX calculations for electron irradiated semiconductor detectors. In Proceedings of the 20th International Conference on Applied Physics of Condensed Matter : APCOM 2014. Eds. J.Vajda, I.Jamnický. - Bratislava : FEI STU, 2014, p. 280-283.
- AED22 ŠAGÁTOVÁ, A. - ZAŤKO, Bohumír - HYBLER, P. - SEDLÁČKOVÁ, K. - NEČAS, V. Influence of electron irradiation on electrical properties of GaAs detectors. In Proceedings of the 20th International Conference on Applied Physics of Condensed Matter : APCOM 2014. Eds. J.Vajda, I.Jamnický. - Bratislava : FEI STU, 2014, p. 276-279.
- AED23 ŠATKA, A. - PRIESOL, Ján - KOVÁČ, Jaroslav - DONOVAL, D. - ALLSOPP, D.W.E. - KUZMÍK, Ján. Time-resolved EBIC method for investigation of transient phenomena in GaN-based HFETs. In Proceedings of ADEPT : 2nd International Conference on Advances in Electronic and Photonic Technologies. Eds. D. Pudiš et al. - Žilina : University of Žilina, 2014, p. 152-156. ISBN 978-80-554-0881-1.
- AED24 ŠKRINIAROVÁ, J. - ANDOK, Róbert - BENČUROVÁ, Anna - NEMEC, Pavol - JAKABOVIČ, J. - HAŠČÍK, Štefan. Photonic structures patterned in AlGaAs/GaAs heterostructures by the EBDW lithography. In Proceedings of ADEPT : 2nd International Conference on Advances in Electronic and Photonic Technologies. - Žilina : University of Žilina, 2014, p. 196-199. ISBN 978-80-554-0881-1.
- AED25 VANKO, Gabriel - DZUBA, Jaroslav - RÝGER, Ivan - LALINSKÝ, Tibor - VOJS, M. - VINCZE, A. - DOBROČKA, Edmund. Processing technology of MEMS sensors using III-N material system. In 17. škola vákuovej techniky : analýza materiálov vo vákuu. Material analysis in vacuum. Eds. M. Michalka, A. Vincze, M. Veselý. - Bratislava : FEI STU, 2014, p. 39-43. ISBN 978-80-971179-4-8.
- AED26 VOJENČIAK, Michal - DUTOIT, B. - COLANGELO, D. Indirect cooling of superconducting fault current limiter. In ELEKTRO 2014 : proceedings of the 10th international conference. Eds. P. Brida, J. Dubovan, M. Markovič. - Žilina : FEE Univ. of Žilina, 2014, p. (2014 - SCOPUS). ISBN 978-1-4799-3721-9.
- AED27 ZÁPRAŽNÝ, Zdenko - KORYTÁR, Dušan - ŠIFFALOVÍČ, Peter - JERGEL,

Matej. X-ray crystal optics for analyser based imaging. In Proceedings of the 20th International Conference on Applied Physics of Condensed Matter : APCOM 2014. Eds. J.Vajda, I.Jamnický. - Bratislava : FEI STU, 2014, p. 198-201.

AEE Vedecké práce v zahraničných nerecenzovaných vedeckých zborníkoch (aj konferenčných), monografiách

- AEE01 KUNZO, Pavol - LOBOTKA, Peter - ŠMATKO, Vasilij - VÁVRA, Ivo. Polyaniline-functionalized polyacarbonate filter as a flow-through gas sensor. In Proceedings of the 17th International Conference on Solid-State Sensors, Actuators and Microsystems : Transducers 2013 & EUROSENSORS XXVII. - IEEE, 2013, p. 270-273. ISBN 978-1-4673-5981-8.
- AEE02 LOBOTKA, Peter - RADNÓCZI, G. - CZIGÁNY, Zs. - VÁVRA, Ivo - DRŽÍK, Milan - MIČUŠÍK, Matej - DOBROČKA, Edmund - KUNZO, Pavol. Preparation of nickel, nickel-iron, and silver-copper nanoparticles in ionic liquids. In Proceedings of the 17th International Conference on Solid-State Sensors, Actuators and Microsystems : Transducers 2013 & EUROSENSORS XXVII. - IEEE, 2013, p. 2021-2024. ISBN 978-1-4673-5981-8.
- AEE03 PASKALEVA, A. - HUDEEC, Boris - JANČOVIČ, Peter - FRÖHLICH, Karol. Resistive switching effects in Pt/HfO₂/TiN MIM structures and their dependence on bottom electrode interface engineering. In Proceedings of the 29th International Conference on Microelectronics : MIEL 2014. - IEEE, 2014, p. 285-288. ISBN 978-1-4799-5296-0.

BAB Odborné monografie vydané v domácich vydavateľstvách

- BAB01 ČERVENĚ, Ivan - DOBROČKA, Edmund - FEJDI, Pavel - VANČOVÁ, Iveta. Slovenská kryštalografická terminológia : definície termínov vysvetleniami, komentármi a anglickými ekvivalentmi. Bratislava : VEDA : Jazykovedný ústav Ľ. Štúra SAV, 2014. 208 s. ISBN 978-80-224-1361-9.

FAI Redakčné a zostavovateľské práce knižného charakteru (bibliografie, encyklopédie, katalógy, slovníky, zborníky...)

- FAI01 Journal of Electrical Engineering. D. Donoval, editor in chief. Bratislava : Slovak Centre of IEE : SUT, Faculty of Electrical Engineering and Information Technology : SAS, Institute of Electrical Engineering, 1994. V rokoch 1959-1994 vychádzal pod hlavným názvom Elektrotechnický časopis. Bimonthly. ISSN 1335-3632.

GHG Práce zverejnené na internete

- GHG01 HURAN, Jozef - BOHÁČEK, Pavol - KULIKOV, S.A. - BULAVIN, M.V. - SASINKOVÁ, Vlasta - KLEINOVÁ, Angela - KOBZEV, A.P. - SEKÁČOVÁ, Mária - ARBET, Juraj. Radiation hardness investigation of PECVD silicon carbide layers for PV applications. In Photovoltaic Specialist Conference (PVSC) : 2014 IEEE 40th [elektronický zdroj], p. 1815-1820. Dostupné na internete: <<http://dx.doi.org/10.1109/PVSC.2014.6925275>>.
- GHG02 PARDO, Enric - ŠOUC, Ján - FROLEK, Lubomír. Electromagnetic modelling of superconductors with smooth current voltage relation: 3-dimensional variational principle and coils from few turns to full magnets. In arXiv:1410.0772. Dostupné na internete: <<http://arxiv.org/abs/1410.0772>>.

- GHG03 ŠÁLY, V. - HURAN, Jozef - MIKOLÁŠEK, M. - PERNÝ, M. - VÁRY, M. AC and DC characterization of Al/a-SiC/c-Si(P)/Al structures under dark for PV applications. In 29th European Photovoltaic Solar Energy Conference and Exhibition : Amsterdam, Nederland 2014, p. 84-87. ISBN 3-936338-34-5. Dostupné na internete: <<http://www.eupvsec-proceedings.com/proceedings?paper=27603>>.
- GHG04 VÁRY, M. - HURAN, Jozef - PERNÝ, M. - MIKOLÁŠEK, M. - ŠÁLY, V. - PACKA, J. - KOBZEV, A.P. Study of Al/a-SiC/c-Si(p)/Al structure prepared by PECVD. In Photovoltaic Specialist Conference (PVSC) : 2014 IEEE 40th [elektronický zdroj], p. 1879-1883. Názov z. Požaduje sa. Dostupné na internete: <<http://dx.doi.org/10.1109/PVSC.2014.6925291>>.

Ohlasy (citácie):

ABC Kapitoly vo vedeckých monografiách vydané v zahraničných vydavateľstvách

- ABC01 GÖMÖRY, Fedor. Responses of high T_c superconductors to various combinations of SC and DC fields. In Magnetic susceptibility of superconductors and other spin systems. - New York : Plenum Press Ltd., 1991, p. 289.
- Citácie:
 1. [1.1] *KIRSCH, S. - FAGNARD, J.F. - VANDERBEMDEN, P. - VANDERHEYDEN, B. In SUPERCONDUCTOR SCIENCE & TECHNOLOGY. NOV 2013, vol. 26, no. 11., WOS*

ADCA Vedecké práce v zahraničných karentovaných časopisoch impaktovaných

- ADCA01 ABERMANN, S. - POZZOVIVO, G. - KUZMÍK, Ján - STRASSER, G. - POGANY, D. - CARLIN, J.-F. - GRANDJEAN, N. - BERTAGNOLLI, E. MOCVD of HfO₂ and ZrO₂ high-k gate dielectrics for InAlN/AlN/GaN MOS-HEMTs. In Semiconductor Science and Technology, 2007, vol. 22, p. 1272-1275. (1.590 - IF2006). (2007 - Current Contents). ISSN 0268-1242.
- Citácie:
 1. [1.1] *BERA, M.K. - LIU, Y. - KYAW, L.M. - NGOO, Y.J. - CHOR, E.F. In WIDE-BANDGAP SEMICONDUCTOR MATERIALS AND DEVICES 14. 2013, vol. 53, no. 2, p. 65-74., WOS*
 2. [1.1] *KAMBAYASHI, H. - NOMURA, T. - UEDA, H. - HARADA, K. - MOROZUMI, Y. - HASEBE, K. - TERAMOTO, A. - SUGAWA, S. - OHMI, T. In JAPANESE JOURNAL OF APPLIED PHYSICS. APR 2013, vol. 52, no. 4, 2, SI., WOS*
 3. [1.1] *PARDESHI, H.M. - RAJ, G. - PATI, S. - MOHANKUMAR, N. - SARKAR, C.K. In SUPERLATTICES AND MICROSTRUCTURES. AUG 2013, vol. 60, p. 10-22., WOS*
 4. [1.1] *VON HAUFF, P. - AFSHAR, A. - FOROUGH-ABARI, A. - BOTHE, K. - CADIEN, K. - BARLAGE, D. In APPLIED PHYSICS LETTERS. JUN 24 2013, vol. 102, no. 25., WOS*
 5. [1.1] *ZHAO, C. - ZHAO, C.Z. - WERNER, M. - TAYLOR, S. - CHALKER, P. In NANOSCALE RESEARCH LETTERS. NOV 1 2013, vol. 8., WOS*
- ADCA02 ABERMANN, S. - POZZOVIVO, G. - KUZMÍK, Ján - OSTERMAIER, C. - HENKEL, C. - BETHGE, O. - STRASSER, G. - POGANY, D. - CARLIN, J.-F. - GRANDJEAN, N. - BERTAGNOLLI, E. Current collapse reduction in InAlN/GaN MOS HEMTs by in situ surface pre-treatment and atomic layer deposition of ZrO₂ high-k gate dielectrics. In Electronics Letters, 2009, vol. 45, p. 570-572. (1.140 - IF2008). (2009 - Current Contents). ISSN 0013-5194.
- Citácie:
 1. [1.1] *MIKKULAINEN, V. - LESKELA, M. - RITALA, M. - PUURUNEN, R.L. In JOURNAL OF APPLIED PHYSICS. JAN 14 2013, vol. 113, no. 2., WOS*
 2. [1.1] *TIAN, B.L. - CHEN, C. - ZHANG, J.H. - ZHANG, W.L. - LIU, X.Z. In CHINESE PHYSICS LETTERS. FEB 2013, vol. 30, no. 2., WOS*

3. [1.1] YE, G. - WANG, H. - ARULKUMARAN, S. - NG, G.I. - HOFSTETTER, R. - LI, Y. - ANAND, M.J. - ANG, K.S. - MAUNG, Y.K.T. - FOO, S.C. In *APPLIED PHYSICS LETTERS*. SEP 30 2013, vol. 103, no. 14., WOS
- ADCA03 ABRAHAMSEN, A.B. - JENSEN, B.B. - SEILER, Eugen - MIJATOVIC, N. - RODRIGUEZ-ZERMENO, V.M. - ANDERSEN, N.H. - OSTERGARD, J. Feasibility study of 5 MW superconducting wind turbine generator. In *Physica C. Superconductivity and its applications*, 2011, vol. 471, p. 1464-1469. (1.415 - IF2010). (2011 - Current Contents). ISSN 0921-4534.
- Citácie:
1. [1.1] INOUE, M. - YAMAGUCHI, Y. - SAKAKIBARA, T. - IMAMURA, K. - HIGASHIKAWA, K. - KISS, T. - AWAJI, S. - WATANABE, K. - TOBITA, H. - YOSHIZUMI, M. - IZUMI, T. In *IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY*. JUN 2013, vol. 23, no. 3, 3., WOS
2. [1.1] MAJKIC, G. - YAO, Y. - LIU, J.G. - LIU, Y.H. - KHATRI, N.D. - SHI, T. - CHEN, Y.M. - GALSTYAN, E. - LEI, C.H. - SELVAMANICKAM, V. In *IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY*. JUN 2013, vol. 23, no. 3, 3., WOS
3. [1.1] SELVAMANICKAM, V. - CHEN, Y. - SHI, T. - LIU, Y. - KHATRI, N.D. - LIU, J. - YAO, Y. - XIONG, X. - LEI, C. - SOLOVEICHIK, S. - GALSTYAN, E. - MAJKIC, G. In *SUPERCONDUCTOR SCIENCE & TECHNOLOGY*. MAR 2013, vol. 26, no. 3., WOS
4. [1.1] SOLOVYOV, V. - DIMITROV, I.K. - LI, Q. In *SUPERCONDUCTOR SCIENCE & TECHNOLOGY*. JAN 2013, vol. 26, no. 1., WOS
5. [1.1] SOLOVYOV, V.F. - LI, Q. - RUPICH, M. - SATHYAMURTHY, S. - LI, X.P. In *IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY*. JUN 2013, vol. 23, no. 3, 3., WOS
6. [1.1] TSUZUKI, K. - MOTOHIRO, M. - FELDER, B. - WATASAKI, M. - KASE, S. - SATO, R. - IZUMI, M. In *IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY*. JUN 2013, vol. 23, no. 3, 2., WOS
7. [1.1] WANG, J. - QU, R.H. - LIU, Y.Z. In *IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY*. JUN 2013, vol. 23, no. 3, 2., WOS
- ADCA04 AZIMI, H. - FOURNIER, D. - WIRIX, M. - DOBROČKA, Edmund - AMERI, T. - MACHUI, F. - RODMAN, S. - DENNLER, G. - SCHRABER, M.C. - HINGERL, K. - LOOS, J. - BRABEC, C.J. - MORANA, M. Nano-morphology characterization of organic bulk heterojunctions based on mono and bis-adduct fullerenes. In *Organic Electronics*, 2012, vol. 13, p. 1315-1321. (4.047 - IF2011). (2012 - Current Contents). ISSN 1566-1199.
- Citácie:
1. [1.1] WANG, Y.W. - ZHANG, W. - AI, X.C. - ZHANG, J.P. - WANG, X.F. - KIDO, J. In *JOURNAL OF PHYSICAL CHEMISTRY C*. DEC 12 2013, vol. 117, no. 49, p. 25898-25907., WOS
2. [1.1] YE, L. - ZHANG, S.Q. - QIAN, D.P. - WANG, Q. - HOU, J.H. In *JOURNAL OF PHYSICAL CHEMISTRY C*. DEC 5 2013, vol. 117, no. 48, p. 25360-25366., WOS
- ADCA05 BALÁŽ, Peter - GODOČÍKOVÁ, Erika - KRÍČOVÁ, Lenka - LOBOTKA, Peter - GOCK, E. Preparation of nanocrystalline materials by high-energy milling. In *Materials Science and Engineering. A. Structural Materials*, 2004, vol. 386, p. 442-446. (1.363 - IF2003). (2004 - Current Contents, WOS, SCOPUS). ISSN 0921-5093.
- Citácie:
1. [1.1] MA, G.Z. - XU, B.S. - WANG, H.D. - WANG, X.H. - LI, G.L. - ZHANG, S. In *SURFACE & COATINGS TECHNOLOGY*. APR 25 2013, vol. 221, p. 142-149., WOS
2. [1.1] SERRANO, T. - GOMEZ, I. In *WORLD CONGRESS ON ENGINEERING - WCE 2013, VOL III*. 2013, p. 2087-2090., WOS
- ADCA06 BALOG, Miroslav - ŠAJGALÍK, Pavol - HOFER, F. - WARBICHLER, P. - FRÖHLICH, Karol - VÁVRA, Ondrej - JANEK, Jozef - HUANG, J.-L. Electrically conductive SiC-(Nb, Ti)ss-(Nb, Ti)C_{ss} cermet. In *Journal of the European Ceramic Society*. - Essex : Elsevier Science Publishers, 2006, vol. 26, p. 1259-1266. (2006 - Current Contents, WOS, SCOPUS). ISSN 0955-2219.
- Citácie:
1. [1.1] KIM, K.J. - LIM, K.Y. - KIM, Y.W. - KIM, H.C. In *JOURNAL OF THE AMERICAN CERAMIC SOCIETY*. AUG 2013, vol. 96, no. 8, p. 2525-2530., WOS

- ADCA07 2. [1.1] *KIM, K.J. - LIM, K.Y. - KIM, Y.W. In JOURNAL OF THE AMERICAN CERAMIC SOCIETY. NOV 2013, vol. 96, no. 11, p. 3463-3469., WOS*
 BÁRDOŠOVÁ, Mária - HODGE, P. - PACH, Ladislav - PEMBLE, M.E. - ŠMATKO, Vasilij - TREGOLD, R.H. - WHITEHEAD, D. Synthetic opals made by the Langmuir-Blodgett method. In Thin Solid Films, 2003, vol. 437, p. 276-281.
 Citácie:
 1. [1.1] *ROMANOVA, A.S. - KOROVIN, A.V. - ROMANOV, S.G. Effect of dimensionality on the spectra of hybrid plasmonic-photonic crystals. In PHYSICS OF THE SOLID STATE. AUG 2013, vol. 55, no. 8, p. 1725-1732., WOS*
- ADCA08 BAUMANN, P.K. - DOPPELT, P. - FRÖHLICH, Karol - GUEROUDJI, L. - CAMBEL, Vladimír - MACHAJDÍK, Daniel - SCHUMACHER, M. - LINDNER, J. - SCHIENLE, F. - BURGESS, D. - STRAUCH, G. - JUERGENSEN, H. - GUILLON, H. - JIMENEZ, C. Platinum, ruthenium and ruthenium dioxide electrodes deposited by metal organic chemical vapour deposition for oxide applications. In Integrated Ferroelectrics, 2002, vol. 44, p. 135-139. (2002 - Current Contents).
 Citácie:
 1. [1.1] *NARAYANAN, J.S. - ANJALIDEVI, C. - DHARUMAN, V. In JOURNAL OF SOLID STATE ELECTROCHEMISTRY. APR 2013, vol. 17, no. 4, p. 937-947., WOS*
- ADCA09 BETKO, Július - MORVIC, Marian - NOVÁK, Jozef - FÖRSTER, A. - KORDOŠ, Peter. Hall mobility analysis in low-temperature-grown molecular beam epitaxial GaAs. In Applied Physics Letters, 1996, vol. 69, p. 2563. (1996 - Current Contents, SCOPUS). ISSN 0003-6951.
 Citácie:
 1. [1.1] *MISSOUS, M. - KOSTAKIS, I. - SAEEDKIA, D. In IEEE SENSORS JOURNAL. JAN 2013, vol. 13, no. 1., WOS*
- ADCA10 BETKO, Július - KORDOŠ, Peter - KUKLOVSKÝ, Stanislav - FORSTER, A. - GREGUŠOVÁ, Dagmar - LUTH, H. Electrical properties of molecular beam epitaxial GaAs layers grown at low temperature. In Materials Science and Engineering B, 1994, vol. 28, p. 147.
 Citácie:
 1. [1.1] *MISSOUS, M. - KOSTAKIS, I. - SAEEDKIA, D. In IEEE SENSORS JOURNAL. JAN 2013, vol. 13, no. 1., WOS*
 2. [1.1] *MISSOUS, M. In HANDBOOK OF TERAHERTZ TECHNOLOGY FOR IMAGING, SENSING AND COMMUNICATIONS. 2013, no. 34, p. 464-489., WOS*
- ADCA11 BEZÁK, Viktor. Path-integral theory of an electron gas in a random potential. In Proceedings of the Royal Society of London, 1970, vol. 315, p. 339.
 Citácie:
 1. [1.1] *PINSOOK, U. - THONGNUM, A. - SA-YAKANIT, V. In APPLIED PHYSICS LETTERS. APR 22 2013, vol. 102, no. 16., WOS*
- ADCA12 BOCHNÍČEK, Z. - VÁVRA, Ivo. Interdiffusion in amorphous Nb/Si multilayers. In Materials Letters, 2000, vol. 45, p. 120-124. (0.580 - IF1999). (2000 - Current Contents).
 Citácie:
 1. [1.1] *KASHYAP, S. - CHATTOPADHYAY, K. In THIN SOLID FILMS. MAR 15 2013, vol. 531, p. 312-319., WOS*
 2. [1.1] *LI, Y.N. - LIU, X.R. - CUI, Y.F. - LIU, J.Q. - XIE, G.M. - WANG, C. In APPLIED MATERIALS AND TECHNOLOGIES FOR MODERN MANUFACTURING, PTS 1-4. 2013, vol. 423-426, p. 419-425., WOS*
- ADCA13 BYSTRITSKY, V.M. - BYSTRITSKII, Vit.M. - DUDKIN, G.N. - FILIPOWICZ, M. - GAŽI, Štefan - HURAN, Jozef - KOBZEV, A.P. - MESYATS, G.A. - NECHAEV, B.A. - PADALCO, V.N. - PARZHITSKII, S.S. - PENKOV, F.M. - PHILIPPOV, A.V. - KAMINSKII, V.L. - TULEUSHEV, Yu.Zh. - WOZNIAK, J. Measurement of astrophysical S factors and electron screening potentials for d(d,n)³He reaction in ZrD₂, TiD₂, and TaD_{0.5} targets in the ultralow energy region using plasma accelerators. In Nuclear Physics A, 2012, vol. 889, p. 93-104. (1.540 - IF2011). (2012 - Current Contents). ISSN 0375-9474.
 Citácie:
 1. [1.1] *XU, Y. - TAKAHASHI, K. - GORIELY, S. - ARNOULD, M. - OHTA, M. - UTSUNOMIYA, H. In NUCLEAR PHYSICS A. NOV 20 2013, vol. 918, p. 61-169., WOS*

- ADCA14 CAMBEL, Vladimír - GREGUŠOVÁ, Dagmar - KÚDELA, Róbert. Formation of GaAs three-dimensional objects using AlAs „facet-forming“ sacrificial layer and H3PO4, H2O2, H2O based solution. In Journal of Applied Physics. - New York : American Institute of Physics, 2003, vol. 94, p. 4643-4648. (2.281 - IF2002). (2003 - Current Contents, WOS, SCOPUS). ISSN 0021-8979.
 Citácie:
 1. [1.1] OKAZAKI, S. - OHHASHI, T. - NAKAO, S. - HIROSE, Y. - HITOSUGI, T. - HASEGAWA, T. In *JAPANESE JOURNAL OF APPLIED PHYSICS. SEP 2013, vol. 52, no. 9, 1., WOS*
- ADCA15 CAMBEL, Vladimír - ŠOLTÝS, Ján. The role of surface-layer conductivity in local anodic oxidation by AFM tip. In Journal of Applied Physics, 2007, vol. 102, art. no. 074315. (2.316 - IF2006). (2007 - Current Contents, SCOPUS). ISSN 0021-8979.
 Citácie:
 1. [1.1] MORIYA, R. - IKENAGA, E. - MASUBUCHI, S. - MACHIDA, T. In *JAPANESE JOURNAL OF APPLIED PHYSICS. MAY 2013, vol. 52, no. 5, 1., WOS*
- ADCA16 CAMBEL, Vladimír - ELIÁŠ, Peter - GREGUŠOVÁ, Dagmar - MARTAUS, Jozef - FEDOR, Ján - KARAPETROV, Goran - NOVOSAD, V. Magnetic elements for switching magnetization magnetic force microscopy tips. In Journal of Magnetism and Magnetic Materials, 2010, vol. 322, p. 2715-2721. (1.204 - IF2009). (2010 - Current Contents, WOS, SCOPUS). ISSN 0304-8853.
 Citácie:
 1. [1.1] ISHIHARA, S. - OHTAKE, M. - FUTAMOTO, M. In *JEMS 2012 - JOINT EUROPEAN MAGNETIC SYMPOSIA. 2012, vol. 40., WOS*
 2. [1.1] KAIDATZIS, A. - GARCIA-MARTIN, J.M. In *NANOTECHNOLOGY. APR 26 2013, vol. 24, no. 16., WOS*
 3. [1.1] KLAPETEK, P. In *QUANTITATIVE DATA PROCESSING IN SCANNING PROBE MICROSCOPY: SPM APPLICATIONS FOR NANOMETROLOGY. 2013, p. 207-219., WOS*
- ADCA17 CAMBEL, Vladimír - KARAPETROV, Goran - NOVOSAD, V. - BARTOLOME, E. - GREGUŠOVÁ, Dagmar - FEDOR, Ján - KÚDELA, Róbert - ŠOLTÝS, Ján. Novel Hall sensors developed for magnetic field imaging systems. In Journal of Magnetism and Magnetic Materials, 2007, vol. 316, p. 232-235. (1.212 - IF2006). (2007 - Current Contents, WOS, SCOPUS). ISSN 0304-8853.
 Citácie:
 1. [1.1] TIAN, W.G. - HU, J.F. - PAN, M.C. - CHEN, D.X. - ZHAO, J.Q. In *REVIEW OF SCIENTIFIC INSTRUMENTS. MAR 2013, vol. 84, no. 3., WOS*
- ADCA18 CAMBEL, Vladimír - MARTAUS, Jozef - ŠOLTÝS, Ján - KÚDELA, Róbert - GREGUŠOVÁ, Dagmar. AFM nanooxidation process – technology perspective for mesoscopic structures. In Surface Science, 2007, vol. 601, p. 2717-2723.
 Citácie:
 1. [1.1] LIN, C.W. - WANG, C.T. - LUO, M.F. In *APPLIED SURFACE SCIENCE. JAN 1 2013, vol. 264, p. 280-285., WOS*
- ADCA19 CAMBEL, Vladimír - KARAPETROV, Goran. Control of vortex chirality and polarity in magnetic nanodots with broken rotational symmetry. In Physical Review B, 2011, vol. 84, 014424. (3.774 - IF2010). (2011 - Current Contents, WOS, SCOPUS). ISSN 1098-0121.
 Citácie:
 1. [1.1] YAKATA, S. - TANAKA, T. - KISEKI, K. - MATSUYAMA, K. - KIMURA, T. In *SCIENTIFIC REPORTS. DEC 20 2013, vol. 3., WOS*
- ADCA20 CAMBEL, Vladimír - KARAPETROV, Goran. Micromagnetic simulations of pac-man-like nanomagnets for memory applications. In Journal of Nanoscience and Nanotechnology, 2012, vol. 12, p. 7422-7425. (1.563 - IF2011). (2012 - Current Contents). ISSN 1533-4880.
 Citácie:
 1. [1.1] DU, J.J. - SUN, X.T. - TANG, Z.M. - XU, L.J. - WU, R.M. - CHEN, B.Z. In *JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY. AUG 2013, vol. 13, no. 8, p. 5844-5848., WOS*
- ADCA21 CAMBEL, Vladimír - MARTAUS, Jozef - ŠOLTÝS, Ján - KÚDELA, Róbert - GREGUŠOVÁ, Dagmar. Local anodic oxidation by AFM tip developed for novel

semiconductor nanodevices. In *Ultramicroscopy*, 2008, vol. 108, p. 1021-1024. (1.996 - IF2007). (2008 - Current Contents).

Citácie:

1. [1.2] *Hu, K., Wang, Q., Hu, X., Wu, S. International Journal of Nanomanufacturing 9 (2013), pp. 19-28, SCOPUS*

ADCA22 CAPUTO, P. - DARULA, Marian - USTINOV, A.V. - KOHLSTEDT, H. Fluxon dynamics in discrete Josephson transmission lines with stacked junctions. In *Journal of Applied Physics*, 1997, vol. 81, p. 309. (1.812 - IF1996). (1997 - Current Contents, SCOPUS). ISSN 0021-8979.

Citácie:

1. [1.1] *BOUSSAHA, F. - FERET, A. - CHAUMONT, C. - LOUKITCH, L. - VACELET, T. In TERAHERTZ EMITTERS, RECEIVERS, AND APPLICATIONS IV. 2013, vol. 8846., WOS*

ADCA23 ČIČO, Karol - GREGUŠOVÁ, Dagmar - KUZMÍK, Ján - JURKOVIČ, Michal - ALEXEWICZ, A. - DI FORTE POISSON, M.A. - POGANY, D. - STRASSER, G. - DELAGE, S. - FRÖHLICH, Karol. Influence of processing and annealing steps on electrical properties of InAlN/GaN high electron mobility transistor with Al₂O₃ gate insulation and passivation. In *Solid-State Electronics*, 2012, vol. 67, p. 74-78. (1.397 - IF2011). (2012 - Current Contents). ISSN 0038-1101.

Citácie:

1. [1.1] *LIU, X. - YELURI, R. - LU, J. - MISHRA, U.K. In JOURNAL OF ELECTRONIC MATERIALS. JAN 2013, vol. 42, no. 1, p. 33-39., WOS*

ADCA24 ČIČO, Karol - HUŠEKOVÁ, Kristína - ĎAPAJNA, Milan - GREGUŠOVÁ, Dagmar - STOKLAS, Roman - KUZMÍK, Ján - CARLIN, J.-F. - GRANDJEAN, N. - POGANY, D. - FRÖHLICH, Karol. Electrical properties of InAlN/GaN high electron mobility transistor with Al₂O₃, ZrO₂, and GdScO₃ gate dielectrics. In *Journal of Vacuum Science and Technology B*, 2011, vol. 29, art.no. 01A808. (1.268 - IF2010). (2011 - Current Contents). ISSN 1071-1023.

Citácie:

1. [1.1] *BERA, M.K. - LIU, Y. - KYAW, L.M. - NGOO, Y.J. - CHOR, E.F. In WIDE-BANDGAP SEMICONDUCTOR MATERIALS AND DEVICES 14. 2013, vol. 53, no. 2, p. 65-74., WOS*

2. [1.1] *LIU, X. - YELURI, R. - KIM, J. - LAL, S. - RAMAN, A. - LUND, C. - WIENECKE, S. - LU, J. - LAURENT, M. - KELLER, S. - MISHRA, U.K. In APPLIED PHYSICS LETTERS. JUL 29 2013, vol. 103, no. 5., WOS*

ADCA25 ČIČO, Karol - KUZMÍK, Ján - LIDAY, J. - HUŠEKOVÁ, Kristína - POZZOVIVO, G. - CARLIN, J.-F. - GRANDJEAN, N. - POGANY, D. - VOGRINČIČ, P. - FRÖHLICH, Karol. InAlN/GaN metal-oxide-semiconductor high electron mobility transistor with Al₂O₃ insulating films grown by metal organic chemical vapor deposition using Ar and NH₃ carrier gases. In *Journal of Vacuum Science and Technology B*, 2009, vol. 27, p. 218-222. (1.445 - IF2008). (2009 - Current Contents). ISSN 1071-1023.

Citácie:

1. [1.1] *BERA, M.K. - LIU, Y. - KYAW, L.M. - NGOO, Y.J. - CHOR, E.F. In WIDE-BANDGAP SEMICONDUCTOR MATERIALS AND DEVICES 14. 2013, vol. 53, no. 2, p. 65-74., WOS*

ADCA26 ČIČO, Karol - KUZMÍK, Ján - GREGUŠOVÁ, Dagmar - STOKLAS, Roman - LALINSKÝ, Tibor - GEORGAKILAS, A. - POGANY, D. - FRÖHLICH, Karol. Optimization and performance of Al₂O₃/GaN metal-oxide-semiconductor structures. In *Microelectronic Reliability*, 2007, vol. 47, p. 790-793. (2007 - Current Contents).

Citácie:

1. [1.1] *HAHN, H. - BENKHELIFA, F. - AMBACHER, O. - ALAM, A. - HEUKEN, M. - YACOB, H. - NOCULAK, A. - KALISCH, H. - VESCAN, A. In JAPANESE JOURNAL OF APPLIED PHYSICS. SEP 2013, vol. 52, no. 9, 1., WOS*

2. [1.1] *QUAH, H.J. - CHEONG, K.Y. In ACS APPLIED MATERIALS & INTERFACES. AUG 14 2013, vol. 5, no. 15, p. 6860-6863., WOS*

3. [1.1] *QUAH, H.J. - CHEONG, K.Y. In SCIENCE OF ADVANCED MATERIALS. DEC 2013, vol. 5, no. 12, p. 1816-1827., WOS*

4. [1.1] YANG, M.M. - TU, H.L. - DU, J. - WEI, F. - XIONG, Y.H. - ZHAO, H.B. In *JOURNAL OF RARE EARTHS*. APR 2013, vol. 31, no. 4, p. 395-399., WOS
5. [1.2] Quah, H.J. Cheong, K.Y.: *Current Applied Physics* 13 (2013) 1433., SCOPUS
- ADCA27 DARMO, Juraj - DUBECKÝ, František - HARDTDEGEN, H. - HOLLFELDER, M. - SCHMIDT, R. Deep-level states in MOVPE AlGaAs: The influence of carrier gas. In *Journal of Crystal Growth*, 1998, vol. 186, p. 13-20. (1.250 - IF1997). (1998 - Current Contents). ISSN 0022-0248.
- Citácie:
1. [1.1] DHARMADASA, I.M. In *ADVANCES IN THIN-FILM SOLAR CELLS*. 2013, p. 167-187., WOS
- ADCA28 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. [1.2] Suzuki, S., Inoue, J.-I., Chakrabarti, B.K. *Lecture Notes in Physics* (2013) 862, pp. 1-414, SCOPUS
- ADCA29 DHALLÉ, M. - VAN WEEREN, H. - WESSEL, S. - DEN OUDEN, A. - TEN KATE, H.H. - HUŠEK, Imrich - KOVÁČ, Pavol - SCHLACHTER, S. - GOLDACKER, W. Scaling the reversible strain response of MgB₂ conductors. In *Superconductor Science and Technology*, 2005, vol. 18, p. S253-S260. (1.556 - IF2004). (2005 - Current Contents, WOS, SCOPUS). ISSN 0953-2048.
- Citácie:
1. [1.1] CHEGGOUR, N. - LU, X.F. - HOLESINGER, T.G. - STAUFFER, T.C. - JIANG, J. - GOODRICH, L.F. In *SUPERCONDUCTOR SCIENCE & TECHNOLOGY*. JAN 2012, vol. 25, no. 1., WOS
2. [1.1] NISHIJIMA, G. - YE, S.J. - MATSUMOTO, A. - TOGANO, K. - KUMAKURA, H. - KITAGUCHI, H. - OGURO, H. In *SUPERCONDUCTOR SCIENCE & TECHNOLOGY*. MAY 2012, vol. 25, no. 5., WOS
- ADCA30 DOBROČKA, Edmund. The effect of growth orientation on the resolved shear stresses for horizontal bridgman grown gas crystals. In *Journal of Crystal Growth*, 1990, vol. 104, p. 428.
- Citácie:
1. [1.1] GAO, B. - NAKANO, S. - HARADA, H. - MIYAMURA, Y. - KAKIMOTO, K. In *CRYSTAL GROWTH & DESIGN*. JUN 2013, vol. 13, no. 6, p. 2661-2669., WOS
- ADCA31 DOBROČKA, Edmund - OSVALD, Jozef. Influence of barrier height distribution on the parameters of Schottky diodes. In *Applied Physics Letters*, 1994, vol. 65, p. 575.
- Citácie:
1. [1.1] AFANDIYEVA, I.M. - DEMIREZEN, S. - ALTINDAL, S. In *JOURNAL OF ALLOYS AND COMPOUNDS*. MAR 5 2013, vol. 552, p. 423-429., WOS
2. [1.1] BOBBY, A. - VERMA, S. - ASOKAN, K. - SARUN, P.M. - ANTONY, B.K. In *PHYSICA B-CONDENSED MATTER*. DEC 15 2013, vol. 431, p. 6-10., WOS
3. [1.1] GEDIKPINAR, M. - CAVAS, M. - ALAHMED, Z.A. - YAKUPHANOGLU, F. In *SUPERLATTICES AND MICROSTRUCTURES*. JUL 2013, vol. 59, p. 123-132., WOS
4. [1.1] KORUCU, D. - DUMAN, S. In *THIN SOLID FILMS*. MAR 15 2013, vol. 531, p. 436-441., WOS
5. [1.1] KORUCU, D. - TURUT, A. - EFEOGLU, H. In *PHYSICA B-CONDENSED MATTER*. APR 1 2013, vol. 414, p. 35-41., WOS
6. [1.1] REDDY, Y.M. - NAGARAJ, M.K. - REDDY, M.S.P. - LEE, J.H. - REDDY, V.R. In *BRAZILIAN JOURNAL OF PHYSICS*. APR 2013, vol. 43, no. 1-2, p. 13-21., WOS
7. [1.1] TATAROGLU, A. - PUR, F.Z. In *PHYSICA SCRIPTA*. JUL 2013, vol. 88, no. 1., WOS
- ADCA32 DONOVAL, D. - CHVÁLA, A. - ŠRAMATÝ, R. - KOVÁČ, Ján - MORVAN, E. - DUA, C. - DI FORTE POISSON, M.A. - KORDOŠ, Peter. Transport properties and barrier height evaluation in Ni/InAlN/GaN Schottky diodes. In *Journal of Applied Physics*, 2011, vol. 109, art. no. 063711. (2.079 - IF2010). (2011 - Current Contents). ISSN 0021-8979.
- Citácie:
1. [1.1] BOBBY, A. - VERMA, S. - ASOKAN, K. - SARUN, P.M. - ANTONY, B.K. In

- PHYSICA B-CONDENSED MATTER. DEC 15 2013, vol. 431, p. 6-10., WOS*
 2. [1.1] WANG, L. - LU, M. - WANG, X.A. - YU, Y.Q. - ZHAO, X.Z. - LV, P. - SONG, H.W. - ZHANG, X.W. - LUO, L.B. - WU, C.Y. - ZHANG, Y. - JIE, J.S. In *JOURNAL OF MATERIALS CHEMISTRY A*. 2013, vol. 1, no. 4, p. 1148-1154., WOS
- ADCA33 DONOVAL, D. - FLOROVIČ, M. - GREGUŠOVÁ, Dagmar - KOVÁČ, Jaroslav - KORDOŠ, Peter. High temperature performance of AlGaIn/GaN HFETs and MOSHFETs. In *Microelectronics reliability*, 2008, vol. 48, p. 1669-1672. (1.010 - IF2007). (2008 - Current Contents). ISSN 0026-2714.
 Citácie:
 1. [1.1] FONTSERE, A. - PEREZ-TOMAS, A. - PLACIDI, M. - BARON, N. - CHENOT, S. - MORENO, J.C. - CORDIER, Y. In *ECS SOLID STATE LETTERS*. 2013, vol. 2, no. 1, p. P4-P7., WOS
 2. [1.1] LIU, H.Y. - LEE, C.S. - HSU, W.C. - TSENG, L.Y. - CHOU, B.Y. - HO, C.S. - WU, C.L. In *IEEE TRANSACTIONS ON ELECTRON DEVICES*. JUL 2013, vol. 60, no. 7, p. 2231-2237., WOS
 3. [1.1] PEREZ-TOMAS, A. - FONTSERE, A. - JENNINGS, M.R. - GAMMON, P.M. In *MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING*. OCT 2013, vol. 16, no. 5, SI, p. 1336-1345., WOS
- ADCA34 DONOVAL, D. - CHVÁLA, A. - ŠRAMATÝ, R. - KOVÁČ, Jaroslav - CARLIN, J.-F. - GRANDJEAN, N. - POZZOVIVO, G. - KUZMÍK, Ján - POGANY, D. - STRASSER, G. - KORDOŠ, Peter. Current transport and barrier height evaluation in Ni/InAlN/GaN Schottky diodes. In *Applied Physics Letters*, 2010, vol. 96, art. no. 223501. (3.554 - IF2009). (2010 - Current Contents, SCOPUS). ISSN 0003-6951.
 Citácie:
 1. [1.1] HAHN, H. - REUTERS, B. - KALISCH, H. - VESCAN, A. In *SEMICONDUCTOR SCIENCE AND TECHNOLOGY*. JUL 2013, vol. 28, no. 7, SI., WOS
 2. [1.1] KIM, S. - RYOU, J.H. - DUPUIS, R.D. - KIM, H. In *APPLIED PHYSICS LETTERS*. FEB 4 2013, vol. 102, no. 5., WOS
 3. [1.1] KYAW, L.M. - LIU, Y. - BERA, M.K. - NGOO, Y.J. - TRIPATHY, S. - CHOR, E.F. In *WIDE-BANDGAP SEMICONDUCTOR MATERIALS AND DEVICES 14*. 2013, vol. 53, no. 2, p. 75-83., WOS
 4. [1.1] MAO, W. - HAO, Y. - YANG, C. - ZHANG, J.C. - MA, X.H. - WANG, C. - LIU, H.X. - YANG, L.A. - ZHANG, J.F. - ZHENG, X.F. - ZHANG, K. - CHEN, Y.H. - YANG, L.Y. In *CHINESE PHYSICS LETTERS*. MAY 2013, vol. 30, no. 5., WOS
- ADCA35 DUBECKÝ, František - FERRARI, C. - KORYTÁR, Dušan - GOMBIA, E. - NEČAS, V. Performance of semi-insulating GaAs-based radiation detectors: Role of key physical parameters of base materials. In *Nuclear Instruments and Methods in Physics Research A. Accelerators, Spectrometers, Detectors, and Associated Equipment*, 2007, vol. 576, p. 27-31. (1.190 - IF2006). (2007 - Current Contents). ISSN 0168-9002.
 Citácie:
 1. [1.1] D'AILLON, E.G. - AVENEL, M.L. - FARCAGE, D. - VERGER, L. In *NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT*. NOV 1 2013, vol. 727, p. 126-130., WOS
 2. [1.1] MANIFACIER, J.C. In *SOLID-STATE ELECTRONICS*. FEB 2013, vol. 80, p. 45-54., WOS
 3. [1.1] MOULEESWARAN, D. - KOYAMA, T. - TANAKA, A. - HAYAKAWA, Y. In *JOURNAL OF CRYSTAL GROWTH*. JAN 1 2013, vol. 362, p. 238-242., WOS
- ADCA36 DUCHATEAU, J.L. - TURCK, B. - KREMPASKÝ, Ludovít - POLÁK, Milan. The self field effect in twisted superconducting composites. In *Cryogenics*, 1976, vol. 16, p. 97. ISSN 0011-2275.
 Citácie:
- ADCA37 1. [1.1] STENVALL, A. - SIAHRANG, M. - GRILLI, F. - SIROIS, F. In *SUPERCONDUCTOR SCIENCE & TECHNOLOGY*. APR 2013, vol. 26, no. 4., WOS
- EICKELKAMP, M. - WEINGARTEN, M. - KHOSHROO, L.R. - KETTENISS, N. - BEHMENBURG, H. - HEUKEN, M. - DONOVAL, D. - CHVÁLA, A. - KORDOŠ, Peter - KALISCH, H. - VESCAN, A. Electrical properties of thermally oxidized

AlInN/AlN/GaN-based metal oxide semiconductor hetero field effect transistors. In Journal of Applied Physics, 2011, vol. 110, art. no. 084501. (2.079 - IF2010). (2011 - Current Contents). ISSN 0021-8979.

Citácie:

1. [1.1] HUANG, S. - WEI, K. - TANG, Z.K. - YANG, S. - LIU, C. - GUO, L. - SHEN, B. - ZHANG, J.H. - KONG, X. - LIU, G.G. - ZHENG, Y.K. - LIU, X.Y. - CHEN, K.J. In JOURNAL OF APPLIED PHYSICS. OCT 14 2013, vol. 114, no. 14., WOS

2. [1.1] POLYAKOV, A.Y. - SMIRNOV, N.B. - HA, M.W. - HAHN, C.K. - KOZHUKHOVA, E.A. - GOVORKOV, A.V. - RYZHUK, R.V. - KARGIN, N.I. - CHO, H.S. - LEE, I.H. In JOURNAL OF ALLOYS AND COMPOUNDS. OCT 25 2013, vol. 575, p. 17-23., WOS

ADCA38 ELIÁŠ, Peter - ŠTRICHOVANEC, Pavol - KOSTIČ, Ivan - NOVÁK, Jozef. Conformal, planarizing and bridging AZ5214-E layers deposited by a `draping` technique on non-planar III-V substrates. In Journal of Micromechanics and Microengineering, 2006, vol. 16, p. 2608–2617. ISSN 0960-1317.

Citácie:

1. [1.1] ANDOK, R. - BENCUROVA, A. - HRKUT, P. - KONECNIKOVA, A. - MATAY, L. - NEMEC, P. - SKRINIAROVA, J. THE AZ 5214E RESIST IN EBDW LITHOGRAPHY AND ITS USE AS A RIE ETCH-MASK IN ETCHING THIN AG LAYERS IN N-2 PLASMA. In JOURNAL OF ELECTRICAL ENGINEERING-ELEKTROTECHNICKY CASOPIS. NOV-DEC 2013, vol. 64, no. 6, p. 371-375., WOS

ADCA39 ELIÁŠ, Peter - KOSTIČ, Ivan - ŠOLTÝS, Ján - HASENÖHRL, Stanislav. Wet-etch bulk micromachining of (100) InP substrates. In Journal of Micromechanics and Microengineering, 2004, vol. 14, p. 1205–1214. ISSN 0960-1317.

Citácie:

1. [1.1] NIA, I.H. - MOHSENI, H. Precise Formation of Dovetail Structures for InP-Based Devices. In ECS SOLID STATE LETTERS. 2013, vol. 2, no. 5, p. P44-P46., WOS

2. [3] Garcia, B.A.: PhD Thesis. Madrid: Univ. Carlos III de Madrid. 2013

3. [3] Kaspar, P.: PhD Thesis. ETH Zürich 2012.

ADCA40 FABBRICATORE, P. - PRIANO, C. - SCIUTTI, A. - GEMME, G. - MUSENICH, R. - PARODI, R. - GÖMÖRY, Fedor - THOMPSON, J.R. Flux pinning in Bi-2212/Ag-based wires and coils. In Physical Review B, 1996, vol. 54, p. 12 543-12 550. (2.834 - IF1995). (1996 - Current Contents).

Citácie:

1. [1.1] MATIN, M. - CHANDRA, L.S.S. - CHATTOPADHYAY, M.K. - MEENA, R.K. - KAUL, R. - SINGH, M.N. - SINHA, A.K. - ROY, S.B. In JOURNAL OF APPLIED PHYSICS. APR 28 2013, vol. 113, no. 16., WOS

2. [1.1] PAREDES, O. - MORAN, O. - BACA, E. In JOURNAL OF APPLIED PHYSICS. JAN 28 2013, vol. 113, no. 4., WOS

3. [1.1] SUSNER, M.A. - SUMPTION, M.D. - RINDFLEISCH, M.A. - COLLINGS, E.W. In PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS. JUL 2013, vol. 490, p. 20-25., WOS

ADCA41 FABBRICATORE, P. - FARINON, S. - INNOCENTI, S. - GÖMÖRY, Fedor. Magnetic flux shielding in superconducting strip arrays. In Physical Review B, 2000, vol. 61, p. 6413-6421. (3.008 - IF1999). (2000 - Current Contents).

Citácie:

1. [1.1] GRINENKO, V. - FUCHS, G. - NENKOV, K. - HOLZAPFEL, B. In SUPERCONDUCTOR SCIENCE & TECHNOLOGY. MAR 2013, vol. 26, no. 3., WOS

2. [1.1] NAVAU, C. - DEL-VALLE, N. - SANCHEZ, A. In IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY. FEB 2013, vol. 23, no. 1., WOS

ADCA42 FARINON, S. - FABBRICATORE, P. - GÖMÖRY, Fedor. Critical state and magnetization loss in multifilamentary superconducting wire solved through the commercial finite element code ANSYS. In Superconductor Science and Technology, 2010, vol. 23, art. no. 115004. (2.694 - IF2009). (2010 - Current Contents, WOS, SCOPUS). ISSN 0953-2048.

Citácie:

1. [1.1] GU, C. - QU, T.M. - LI, X.F. - HAN, Z.H. In IEEE TRANSACTIONS ON

- APPLIED SUPERCONDUCTIVITY. APR 2013, vol. 23, no. 2., WOS*
 2. [1.1] SUN, J. - WATANABE, H. - HAMABE, M. - KAWAHARA, T. - YAMAGUCHI, S. In *IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY. JUN 2013, vol. 23, no. 3, 2., WOS*
 3. [1.1] SUN, J. - WATANABE, H. - HAMABE, M. - YAMAMOTO, N. - KAWAHARA, T. - YAMAGUCHI, S. In *PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS. NOV 2013, vol. 494, p. 297-301., WOS*
- ADCA43 FEILHAUER, Juraj - MOŠKO, Martin. Conductance and persistent current in quasi-one-dimensional systems with grain boundaries: Effects of the strongly reflecting and columnar grains. In *Physical Review B*, 2011, vol. 84, art. no. 085454. (3.774 - IF2010). (2011 - Current Contents, WOS, SCOPUS). ISSN 1098-0121.
 Citácie:
 1. [1.1] MIL'NIKOV, G. - MORI, N. In *PHYSICAL REVIEW B. JAN 30 2013, vol. 87, no. 3., WOS*
 2. [1.1] MIL'NIKOV, G. - MORI, N. In *PHYSICAL REVIEW B. OCT 7 2013, vol. 88, no. 15., WOS*
- ADCA44 FEILHAUER, Juraj - MOŠKO, Martin. Quantum and Boltzmann transport in a quasi-one-dimensional wire with rough edges. In *Physical Review B*, 2011, vol. 83, art. no. 245328. (3.774 - IF2010). (2011 - Current Contents, WOS, SCOPUS). ISSN 1098-0121.
 Citácie:
 1. [1.1] ALCAZAR-LOPEZ, A. - MENDEZ-BERMUDEZ, J.A. In *PHYSICAL REVIEW E. MAR 6 2013, vol. 87, no. 3., WOS*
 2. [1.1] MIL'NIKOV, G. - MORI, N. In *PHYSICAL REVIEW B. JAN 30 2013, vol. 87, no. 3., WOS*
 3. [1.1] MIL'NIKOV, G. - MORI, N. In *PHYSICAL REVIEW B. OCT 7 2013, vol. 88, no. 15., WOS*
- ADCA45 FENDRYCH, F. - KRAUS, L. - CHAYKA, O. - LOBOTKA, Peter - VÁVRA, Ivo - TOUS, J. - STUDNICKA, V. - FRAIT, Z. Preparation of nanostructured magnetic films by the plasma jet techniques. In *Monatshefte für Chemie. - Wien : Springer, 2002, vol. 133, p. 773-784. ISSN 0026-9247.*
 Citácie:
 1. [1.1] KHAJEH, M. - LAURENT, S. - DASTAFKAN, K. In *CHEMICAL REVIEWS. OCT 2013, vol. 113, no. 10, p. 7728-7768., WOS*
- ADCA46 FERRARI, C. - KORYTÁR, Dušan - KUMAR, J. Study of residual strains in wafer crystal by means of lattice tilt mapping. In *Il Nuovo Cimento D*, 1997, vol. 19, p. 165. (0.500 - IF1996). (1997 - Current Contents).
 Citácie:
 1. [1.1] DOMAGALA, J.Z. - PASZKOWICZ, W. - BAK-MISIUK, J. - ERMAKOVA, O.N. - DABKOWSKA, H. In *RADIATION PHYSICS AND CHEMISTRY. DEC 2013, vol. 93, p. 174-183., WOS*
- ADCA47 FRÖHLICH, Karol - CAMBEL, Vladimír - MACHAJDÍK, Daniel - BAUMANN, P.K. - LINDNER, J. - SCHUMACHER, M. - JUERGENSEN, H. Low-temperature growth of RuO₂ films for conductive electrode applications. In *Materials science in semiconductor processing*, 2003, vol. . 5, p. 173-177.
 Citácie:
 1. [1.1] METHAAPANON, R. - GEYER, S.M. - BRENNAN, S. - BENT, S.F. In *CHEMISTRY OF MATERIALS. SEP 10 2013, vol. 25, no. 17, p. 3458-3463., WOS*
- ADCA48 FRÖHLICH, Karol - HUDEEC, Boris - AARIK, J. - TARRE, A. - MACHAJDÍK, Daniel - KASIKOV, A. - HUŠEKOVÁ, Kristína - GAŽI, Štefan. Post-deposition processing and oxygen content of TiO₂-based capacitors. In *Microelectronic Engineering*, 2011, vol. 88, p. 1525-1528. (1.569 - IF2010). (2011 - Current Contents). ISSN 0167-9317.
 Citácie:
 1. [1.1] BAYATI, M.R. - JOSHI, S. - NARAYAN, R.J. - NARAYAN, J. In *JOURNAL OF MATERIALS RESEARCH. JUL 2013, vol. 28, no. 13, SI, p. 1669-1679., WOS*
- ADCA49 FRÖHLICH, Karol. Chemical vapour deposition of superconducting Nb₃Ge controlled by diffusion in the gas phase. In *Thin Solid Films*, 1987, vol. 150, p. 311-317.
 Citácie:

1. [1.1] LEE, S. - IN, J. - KIM, S.I. - PARK, Y.C. - KIM, H. - YOON, H. - KIM, J. - LEE, S. - KIM, B. In *JOURNAL OF MATERIALS CHEMISTRY C*. 2013, vol. 1, no. 8, p. 1674-1679., WOS
- ADCA50 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. [1.1] GOBEL, M.C. - GREGORI, G. - MAIER, J. In *JOURNAL OF PHYSICAL CHEMISTRY C*. NOV 7 2013, vol. 117, no. 44, p. 22560-22568., WOS
- ADCA51 FRÖHLICH, Karol - MACHAJDÍK, Daniel - HELLEMANS, L. - SNAUWAERT, J. Growth of high crystalline quality thin epitaxial CeO₂ films on (1102) sapphire. In *Journal de Physique IV*, 1999, vol. 9, p. Pr8-341-347. (0.252 - IF1998). (1999 - Current Contents).
Citácie:
1. [1.1] GOBEL, M.C. - GREGORI, G. - MAIER, J. In *JOURNAL OF PHYSICAL CHEMISTRY C*. NOV 7 2013, vol. 117, no. 44, p. 22560-22568., WOS
- ADCA52 FRÖHLICH, Karol - VÁVRA, Ivo - GÖMÖRY, Fedor - ŠOUC, Ján - BYDŽOVSKÝ, J. - KOVÁČ, P. - DOBROVODSKÝ, Jozef - MARYŠKO, M. Microstructure-dependent magnetoresistance in La_{1-x}MnO₃ thin films. In *Journal of Magnetism and Magnetic Materials*, 2000, vol. 211, p. 67-72. (1.195 - IF1999). (2000 - Current Contents, WOS, SCOPUS). ISSN 0304-8853.
Citácie:
1. [1.1] VRADMAN, L. - NAVROTSKY, A. In *JOURNAL OF THE AMERICAN CERAMIC SOCIETY*. OCT 2013, vol. 96, no. 10, p. 3202-3209., WOS
2. [1.1] VRADMAN, L. - ZANA, J. - KIRSCHNER, A. - HERSKOWITZ, M. In *PHYSICAL CHEMISTRY CHEMICAL PHYSICS*. 2013, vol. 15, no. 26, p. 10914-10920., WOS
- ADCA53 FRÖHLICH, Karol - HUŠEKOVÁ, Kristína - MACHAJDÍK, Daniel - HOOKER, J.C. - PEREZ, N. - FANCIULLI, M. - FERRARI, S. - WIEMER, C. - DIMOULAS, A. - VELLIANITIS, G. - ROOZEBOOM, F. Ru and RuO₂ gate electrodes for advanced CMOS technology. In *Materials Science and Engineering. B. Solid-State Materials for Advanced Technology*, 2004, vol. 109, p. 117-121. (1.070 - IF2003). (2004 - Current Contents, WOS, SCOPUS). ISSN 0921-5107.
Citácie:
1. [1.1] CHEN, J.Y. - HUANG, S.L. - WU, P.W. - LIN, P. In *THIN SOLID FILMS*. FEB 1 2013, vol. 529, p. 426-429., WOS
2. [1.1] GU, Q. - LONG, J.L. - FAN, L.Z. - CHEN, L.M. - ZHAO, L.L. - LIN, H.X. - WANG, X.X. In *JOURNAL OF CATALYSIS*. JUL 2013, vol. 303, p. 141-155., WOS
3. [1.1] WANG, X.W. - GORDON, R.G. In *CRYSTAL GROWTH & DESIGN*. MAR 2013, vol. 13, no. 3, p. 1316-1321., WOS
- ADCA54 FRÖHLICH, Karol - ĽAPAJNA, Milan - ROSOVÁ, Alica - DOBROČKA, Edmund - HUŠEKOVÁ, Kristína - AARIK, J. - AIDLA, A. Growth of high-dielectric-constant TiO₂ films in capacitors with RuO₂ electrodes. In *Electrochemical and Solid State Letters*, 2008, vol. 11, p. G19-G21. (2.271 - IF2007). ISSN 1099-0062.
Citácie:
1. [1.1] KO, C.T. - HAN, Y.Y. - CHEN, C.H. - SHIEH, J. - CHEN, M.J. In *JOURNAL OF PHYSICAL CHEMISTRY C*. DEC 12 2013, vol. 117, no. 49, p. 26204-26212., WOS
2. [1.1] MIIKKULAINEN, V. - LESKELA, M. - RITALA, M. - PUURUNEN, R.L. In *JOURNAL OF APPLIED PHYSICS*. JAN 14 2013, vol. 113, no. 2., WOS
3. [1.1] POPOVICI, M. - DELABIE, A. - ADELMANN, C. - MEERSSCHAUT, J. - FRANQUET, A. - TALLARIDA, M. - VAN DEN BERG, J. - RICHARD, O. - SWERTS, J. - TOMIDA, K. - KIM, M.S. - TIELENS, H. - BENDER, H. - CONARD, T. - JURCZAK, M. - VAN ELSHOCHT, S. - SCHMEISSER, D. In *ECS JOURNAL OF SOLID STATE SCIENCE AND TECHNOLOGY*. 2013, vol. 2, no. 1, p. N23-N27., WOS
4. [1.1] PU, H.F. - LI, H.L. - YANG, Z. - ZHOU, Q.F. - DONG, C.Y. - ZHANG, Q. In *ECS SOLID STATE LETTERS*. 2013, vol. 2, no. 10, p. N35-N38., WOS
5. [1.1] VAN DEN BERG, J.A. - READING, M.A. - BAILEY, P. - NOAKES, T.C.Q. - ADELMANN, C. - POPOVICI, M. - TIELENS, H. - CONARD, T. - DE GENDT, S. - VAN

- ELSHOCHT, S. In APPLIED SURFACE SCIENCE. SEP 15 2013, vol. 281, p. 8-16., WOS*
6. [1.1] *WANG, X.W. - GORDON, R.G. In CRYSTAL GROWTH & DESIGN. MAR 2013, vol. 13, no. 3, p. 1316-1321., WOS*
7. [1.1] *ZHU, L. - LUO, J.K. - SHAO, G. - MILNE, W.I. In SOLAR ENERGY MATERIALS AND SOLAR CELLS. APR 2013, vol. 111, p. 141-145., WOS*
- ADCA55 FRÖHLICH, Karol - AARIK, J. - ĎAPAJNA, Milan - ROSOVÁ, Alica - AIDLA, A. - DOBROČKA, Edmund - HUŠEKOVÁ, Kristína. Epitaxial growth of high- κ TiO₂ rutile films on RuO₂ electrodes. In Journal of Vacuum Science and Technology B, 2009, vol. 27, p. 266-270. (1.445 - IF2008). (2009 - Current Contents). ISSN 1071-1023.
- Citácie:
1. [1.1] *CLIMA, S. - KACZER, B. - GOVOREANU, B. - POPOVICI, M. - SWERTS, J. - VERHULST, A.S. - JURCZAK, M. - DE GENDT, S. - POURTOIS, G. In IEEE ELECTRON DEVICE LETTERS. MAR 2013, vol. 34, no. 3, p. 402-404., WOS*
2. [1.1] *KACZER, B. - CLIMA, S. - TOMIDA, K. - GOVOREANU, B. - POPOVICI, M. - KIM, M.S. - SWERTS, J. - BELMONTE, A. - WANG, W.C. - AFANAS'EV, V.V. - VERHULST, A.S. - POURTOIS, G. - GROESENEKEN, G. - JURCZAK, M. In JOURNAL OF VACUUM SCIENCE & TECHNOLOGY B. JAN 2013, vol. 31, no. 1., WOS*
3. [1.1] *KIM, S.K. - KIM, K.M. - JEONG, D.S. - JEON, W. - YOON, K.J. - HWANG, C.S. In JOURNAL OF MATERIALS RESEARCH. FEB 2013, vol. 28, no. 3, p. 313-325., WOS*
4. [1.1] *MIKKULAINEN, V. - LESKELA, M. - RITALA, M. - PUURUNEN, R.L. In JOURNAL OF APPLIED PHYSICS. JAN 14 2013, vol. 113, no. 2., WOS*
5. [1.1] *WEI, D. - HOSSAIN, T. - GARCES, N.Y. - NEPAL, N. - MEYER, H.M. - KIRKHAM, M.J. - EDDY, C.R. - EDGAR, J.H. In ECS JOURNAL OF SOLID STATE SCIENCE AND TECHNOLOGY. 2013, vol. 2, no. 5, p. N110-N114., WOS*
6. [1.2] *Jithin, M.A., Kolia, L.G., Bhat, N., Mohan, S., Morozumi, Y., Kaushal, S. In Materials Research Society Symposium Proceedings Vol 1561, 2013, Pp 13-19, SCOPUS*
- ADCA56 FUKS, D. - KIV, A. - SHAPIRO, D.V. - GOLOVANOV, V. - ŠMATKO, Vasilij - DONCHEV, I. Degradation processes in surface layers of indium oxide. In IEEE Transactions on Device and Materials Reliability, 2012, vol. 12, p. 133-138. (1.543 - IF2011). (2012 - Current Contents). ISSN 1530-4388.
- Citácie:
1. [1.1] *ZHANG, B. - ZHANG, N.N. - CHEN, J.F. - HOU, Y. - YANG, S. - GUO, J.W. - YANG, X.H. - ZHONG, J.H. - WANG, H.F. - HU, P. - ZHAO, H.J. - YANG, H.G. In SCIENTIFIC REPORTS. OCT 31 2013, vol. 3., WOS*
- ADCA57 FUKUI, S. - TSUKAMOTO, O. - AMEMYIA, N. - HLÁŠNIK, Ivan. Dependence of self field AC losses in AC multifilamentary composites on phase of external AC magnetic field. In IEEE Transactions on Applied Superconductivity, 1995, vol. 5, p. 733-736.
- Citácie:
1. [1.2] *Wang, Y. Fundamental Elements of Applied Superconductivity in Electrical Engineering. Science Press 2013. ISBN: 9781118451144., SCOPUS*
- ADCA58 GARCIA, M. - JERSEL, Milan - CONDE-GALLARDO, A. - FALCONY, C. - PLESCH, G. Optical properties of Co and Co-Fe-Cr thin films deposited from an aerosol on glass substrates. In Materials Chemistry and Physics, 1998, vol. 56, p. 21-26. (1998 - Current Contents).
- Citácie:
1. [1.1] *HOU, X.H. - CHOY, K.L. - BRUN, N. - SERIN, V. In JOURNAL OF NANOMATERIALS. 2013., WOS*
- ADCA59 GENDIAR, Andrej - KRČMÁR, Roman - NISHINO, T. Spherical deformation for one-dimensional quantum systems. In Progress Theoretical Physics, 2009, vol. 122, p. 953-967. (1.661 - IF2008).
- Citácie:
1. [1.1] *HIKIHARA, T. - SUZUKI, T. In PHYSICAL REVIEW A. APR 29 2013, vol. 87, no. 4., WOS*
2. [1.1] *HOTTA, C. - NISHIMOTO, S. - SHIBATA, N. In PHYSICAL REVIEW B. MAR 21 2013, vol. 87, no. 11., WOS*
3. [1.1] *HOTTA, C. - SHIBATA, N. In PHYSICAL REVIEW B. JUL 24 2012, vol. 86, no.*

- 4., WOS
- ADCA60 GENDIAR, Andrej - KRČMÁR, Roman - NISHINO, T. Spherical deformation for one-dimensional quantum systems (vol 122, pg 953, 2009) : errata. In Progress Theoretical Physics, 2010, vol. 123, p. 393.
Citácie:
1. [1.1] HIKIHARA, T. - SUZUKI, T. In *PHYSICAL REVIEW A*. APR 29 2013, vol. 87, no. 4., WOS
- ADCA61 GENDIAR, Andrej - KRČMÁR, Roman - WEYRAUCH, M. Large system asymptotics of persistent currents in mesoscopic quantum rings. In Physical Review B, 2009, vol. 79, art. no. 205118. (3.322 - IF2008). (2009 - Current Contents, WOS, SCOPUS). ISSN 1098-0121.
Citácie:
1. [1.1] MOLINER, M. - SCHMITTECKERT, P. In *PHYSICAL REVIEW LETTERS*. SEP 17 2013, vol. 111, no. 12., WOS
- ADCA62 GENDIAR, Andrej - NISHINO, T. Phase diagram of the 3D Axial-Next-Nearest-Neighbor Ising model. In Physical Review B. - New York : APS Publishing, 2005, vol. 71, p. 024404-10. (3.075 - IF2004). (2005 - Current Contents). ISSN 1098-0121.
Citácie:
1. [1.1] GARCIA-SAEZ, A. - LATORRE, J.I. In *PHYSICAL REVIEW B*. FEB 25 2013, vol. 87, no. 8., WOS
- ADCA63 GENDIAR, Andrej - MAESHIMA, N. - NISHINO, T. Stable optimization of tensor product variational state. In Progress Theoretical Physics, 2003, vol. 110, p. 691-699.
Citácie:
1. [1.1] CHEN, X. - GU, Z.C. - LIU, Z.X. - WEN, X.G. In *PHYSICAL REVIEW B*. APR 4 2013, vol. 87, no. 15., WOS
- ADCA64 GENDIAR, Andrej - DANIŠKA, M. - LEE, Y. - NISHINO, T. Suppression of finite-size effects in one-dimensional correlated systems. In Physical Review A, 2011, vol. 83, no. 5, 052118. (2.861 - IF2010). (2011 - Current Contents). ISSN 1050-2947.
Citácie:
1. [1.1] HIKIHARA, Toshiya - SUZUKI, Takafumi. Long-distance entanglement in one-dimensional quantum systems under sinusoidal deformation. In *PHYSICAL REVIEW A*. ISSN 1050-2947, 2013, vol. 87, no. 4, 042337., WOS
2. [1.1] HOTTA, Chisa - NISHIMOTO, Satoshi - SHIBATA, Naokazu. Grand canonical finite size numerical approaches in one and two dimensions: Real space energy renormalization and edge state generation. In *PHYSICAL REVIEW B*. ISSN 1098-0121, 2013, vol. 87, no. 11, 115128., WOS
3. [1.1] NEBENDAHL, V. - DUER, W. Improved numerical methods for infinite spin chains with long-range interactions. In *PHYSICAL REVIEW B*. ISSN 1098-0121, 2013, vol. 87, no. 7, 075413., WOS
- ADCA65 GHERARDI, L. - BETTINELLI, D. - SPREAFICO, S. - GÖMÖRY, Fedor. Estimation of $J_c(B)$ dependence from self-field AC losses measured on Bi-2223/Ag tapes. In Physica C : Superconductivity and Its Applications, 1998, vol. 310, p. 52-56. (2.199 - IF1997). (1998 - Current Contents, WOS, SCOPUS). ISSN 0921-4534.
Citácie:
1. [1.1] TAXT, H. - MAGNUSSON, N. - RUNDE, M. In *CRYOGENICS*. FEB 2013, vol. 54, p. 44-49., WOS
- ADCA66 GLOWACKI, B.A. - MAJOROŠ, Milan - RUTTER, N.A. - CAMPBELL, A.M. Superconducting-magnetic heterostructures as a new method of decreasing transport AC losses in multifilamentary and coated superconductors. In Cryogenics, 2001, vol. 41, no. 2, p. 103-109. (0.554 - IF2000). ISSN 0011-2275.
Citácie:
1. [1.1] MA, G.T. - RAUH, H. In *SUPERCONDUCTOR SCIENCE & TECHNOLOGY*. OCT 2013, vol. 26, no. 10., WOS
2. [1.1] TAKACS, S. In *SUPERCONDUCTOR SCIENCE & TECHNOLOGY*. MAY 2013, vol. 26, no. 5., WOS
- ADCA67 GLOWACKI, B.A. - MAJOROŠ, Milan - VICKERS, M. - EVETTS, J.E. - SHI, Y. - MCDOUGALL, I. Superconductivity of powder-in-tube MgB₂ wires. In Superconductor Science and Technology, 2001, vol. 14, p. 193-199. (1.250 - IF2000). (2001 - Current

Contents, WOS, SCOPUS). ISSN 0953-2048.

Citácie:

1. [1.1] FUJII, H. - ITOH, S. - OZAWA, K. - KITAGUCHI, H. In *IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY*. JUN 2013, vol. 23, no. 3, 3., WOS
2. [1.1] LI, G.Z. - SUMPTION, M.D. - ZWAYER, J.B. - SUSNER, M.A. - RINDFLEISCH, M.A. - THONG, C.J. - TOMSIC, M.J. - COLLINGS, E.W. In *SUPERCONDUCTOR SCIENCE & TECHNOLOGY*. SEP 2013, vol. 26, no. 9., WOS
3. [1.1] MAEDA, M. - KIM, J.H. - OH, S. - LI, W.X. - TAKASE, K. - KUROIWA, Y. - DOU, S.X. - TAKANO, Y. In *JOURNAL OF THE AMERICAN CERAMIC SOCIETY*. SEP 2013, vol. 96, no. 9, p. 2893-2897., WOS
4. [1.1] MARTINEZ, E. - NAVARRO, R. - ANDRES, J.M. In *SUPERCONDUCTOR SCIENCE & TECHNOLOGY*. DEC 2013, vol. 26, no. 12., WOS
5. [1.1] NIYOMSILPCHAI, N. - CHANGJAN, A. - UDOMSANNUTHIRUN, P. In *APPLIED PHYSICS AND MATERIAL APPLICATIONS*. 2013, vol. 770, p. 291-294., WOS
6. [1.1] SINHA, B.B. - CHUNG, K.C. In *JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM*. MAY 2013, vol. 26, no. 5, SI, p. 1507-1511., WOS
7. [1.1] SUDESH - KUMAR, N. - DAS, S. - BERNHARD, C. - VARMA, G.D. In *SUPERCONDUCTOR SCIENCE & TECHNOLOGY*. SEP 2013, vol. 26, no. 9., WOS
8. [1.1] VIGNOLO, M. - BOVONE, G. - BERNINI, C. - PALENZONA, A. - KAWALE, S. - ROMANO, G. - SIRI, A.S. In *SUPERCONDUCTOR SCIENCE & TECHNOLOGY*. OCT 2013, vol. 26, no. 10., WOS
9. [1.1] YE, S.J. - MATSUMOTO, A. - TOGANO, K. - OHMURA, T. - KUMAKURA, H. In *SUPERCONDUCTOR SCIENCE & TECHNOLOGY*. OCT 2013, vol. 26, no. 10., WOS
10. [1.1] YE, S.J. - SONG, M.H. - MATSUMOTO, A. - TOGANO, K. - TAKEGUCHI, M. - OHMURA, T. - KUMAKURA, H. In *SUPERCONDUCTOR SCIENCE & TECHNOLOGY*. DEC 2013, vol. 26, no. 12., WOS

ADCA68 GLOWACKI, B.A. - MAJOROŠ, Milan. A method for decreasing transport ac losses in multitilamentary and multistrip superconductors. In *Superconductor Science and Technology*, 2000, vol. 13, 971-973. (1.728 - IF1999). (2000 - Current Contents, WOS, SCOPUS). ISSN 0953-2048.

Citácie:

1. [1.1] CAI, X.W. - KESGIN, I. - SCHMIDT, R. - CHEN, Y.M. - SELVAMANICKAM, V. In *IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY*. JUN 2013, vol. 23, no. 3, 3., WOS

ADCA69 GLOWACKI, B.A. - MAJOROŠ, Milan. Transport ac losses in Bi-2223 multifilamentary tapes-conductor materials aspect. In *Superconductor Science and Technology*, 2000, vol. 13, p. 483-487. (1.728 - IF1999). (2000 - Current Contents, WOS, SCOPUS). ISSN 0953-2048.

Citácie:

1. [1.1] KRUGER, P. - GRILLI, F. - VOJENCIAK, M. - ZERMENO, V.M.R. - DEMENCIK, E. - FARINON, S. In *APPLIED PHYSICS LETTERS*. MAY 20 2013, vol. 102, no. 20., WOS
2. [1.1] MA, G.T. - RAUH, H. In *SUPERCONDUCTOR SCIENCE & TECHNOLOGY*. OCT 2013, vol. 26, no. 10., WOS

ADCA70 GÖMÖRY, Fedor. Improvement of the self-field critical current of a high-Tc superconducting tape by the edge cover from soft ferromagnetic material. In *Applied Physics Letters*, 2006, vol. 89, 072506. (4.127 - IF2005). (2006 - Current Contents, SCOPUS). ISSN 0003-6951.

Citácie:

1. [1.1] GRINENKO, V. - FUCHS, G. - NENKOV, K. - HOLZAPFEL, B. In *SUPERCONDUCTOR SCIENCE & TECHNOLOGY*. MAR 2013, vol. 26, no. 3., WOS
2. [1.1] MA, G.T. - RAUH, H. In *SUPERCONDUCTOR SCIENCE & TECHNOLOGY*. OCT 2013, vol. 26, no. 10., WOS
3. [1.1] WANG, S.P. - ZHU, Q.X. - ZHU, W. - MIN, F. In *JOURNAL OF APPLIED MATHEMATICS*. 2013., WOS

ADCA71 GÖMÖRY, Fedor - SOLOVYOV, Mykola - ŠOUC, Ján - NAVAU, C. - CAMPS, J.P. - SANCHEZ, A. Experimental realization of a magnetic cloak. In *Science*, 2012, vol. 335, p.

1466-1468. (31.201 - IF2011). (2012 - Current Contents). ISSN 0036-8075.

Citácie:

1. [1.1] BANSAL, R. In *IEEE MICROWAVE MAGAZINE. JAN-FEB 2013*, vol. 14, no. 1, p. 22-+, WOS
2. [1.1] BJORK, R. - SMITH, A. - BAH, C.R.H. In *JOURNAL OF APPLIED PHYSICS. AUG 7 2013*, vol. 114, no. 5., WOS
3. [1.1] GBUR, G. In *PROGRESS IN OPTICS, VOL 58. 2013*, vol. 58, p. 65-114., WOS
4. [1.1] GOZZELINO, L. - GERBALDO, R. - GHIGO, G. - LAVIANO, F. - AGOSTINO, A. - BONOMETTI, E. - CHIAMPI, M. - MANZIN, A. - ZILBERTI, L. In *IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY. JUN 2013*, vol. 23, no. 3, 3., WOS
5. [1.1] GOZZELINO, L. - GERBALDO, R. - GHIGO, G. - LAVIANO, F. - AGOSTINO, A. - BONOMETTI, E. - CHIAMPI, M. - MANZIN, A. - ZILBERTI, L. In *JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM. MAY 2013*, vol. 26, no. 5, SI, p. 1513-1516., WOS
6. [1.1] HAN, T.C. - WU, Z.M. In *PROGRESS IN ELECTROMAGNETICS RESEARCH-PIER. 2013*, vol. 143, p. 131-141., WOS
7. [1.1] HAN, T.C. - YUAN, T. - LI, B.W. - QIU, C.W. In *SCIENTIFIC REPORTS. APR 3 2013*, vol. 3., WOS
8. [1.1] JIANG, W.X. - GE, S. - LUO, C.Y. - CUI, T.J. In *APPLIED PHYSICS LETTERS. NOV 18 2013*, vol. 103, no. 21., WOS
9. [1.1] JIANG, W.X. - LUO, C.Y. - MEI, Z.L. - CUI, T.J. In *APPLIED PHYSICS LETTERS. JAN 7 2013*, vol. 102, no. 1., WOS
10. [1.1] JIAO, C.Q. - NIU, S. In *ACTA PHYSICA SINICA. JUN 2013*, vol. 62, no. 11., WOS
11. [1.1] KAWAYAMA, I. - ZHANG, C.H. - WANG, H.B. - TONOUCI, M. In *SUPERCONDUCTOR SCIENCE & TECHNOLOGY. SEP 2013*, vol. 26, no. 9., WOS
12. [1.1] LANDY, N. - SMITH, D.R. In *NATURE MATERIALS. JAN 2013*, vol. 12, no. 1, p. 25-28., WOS
13. [1.1] LIU, F. - LIANG, Z.X. - LI, J.S. In *PHYSICAL REVIEW LETTERS. JUL 16 2013*, vol. 111, no. 3., WOS
14. [1.1] MA, Q. - MEI, Z.L. - ZHU, S.K. - JIN, T.Y. - CUI, T.J. In *PHYSICAL REVIEW LETTERS. OCT 22 2013*, vol. 111, no. 17., WOS
15. [1.1] MAWATARI, Y. In *SUPERCONDUCTOR SCIENCE & TECHNOLOGY. JUL 2013*, vol. 26, no. 7., WOS
16. [1.1] MONTICONE, F. - ALU, A. In *PHYSICAL REVIEW X. OCT 21 2013*, vol. 3, no. 4., WOS
17. [1.1] NARAYANA, S. - SAVO, S. - SATO, Y. In *APPLIED PHYSICS LETTERS. MAY 20 2013*, vol. 102, no. 20., WOS
18. [1.1] NIU, S. - JIAO, C.Q. - LI, L. In *ACTA PHYSICA SINICA. NOV 2013*, vol. 62, no. 21., WOS
19. [1.1] PANIAGUA-DOMINGUEZ, R. - ABUJETAS, D.R. - FROUFE-PEREZ, L.S. - SAENZ, J.J. - SANCHEZ-GIL, J.A. In *OPTICS EXPRESS. SEP 23 2013*, vol. 21, no. 19, p. 22076-22089., WOS
20. [1.1] SUN, F. - HE, S.L. In *PROGRESS IN ELECTROMAGNETICS RESEARCH-PIER. 2013*, vol. 137, p. 149-157., WOS
21. [1.1] SUN, F. - HE, S.L. In *PROGRESS IN ELECTROMAGNETICS RESEARCH-PIER. 2013*, vol. 142, p. 579-590., WOS
22. [1.1] TADA, S. - TSUCHIYA, Y. - NAKAJIMA, Y. - TAMEGAI, T. - NAGASAWA, S. - HIDAKA, M. In *PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS. NOV 2013*, vol. 494, p. 113-116., WOS
23. [1.1] TSUCHIYA, Y. - MAWATARI, Y. - IBUKA, J. - TADA, S. - PYON, S. - NAGASAWA, S. - HIDAKA, M. - MAEZAWA, M. - TAMEGAI, T. In *SUPERCONDUCTOR SCIENCE & TECHNOLOGY. SEP 2013*, vol. 26, no. 9., WOS
24. [1.1] WANG, R.F. - MEI, Z.L. - CUI, T.J. In *APPLIED PHYSICS LETTERS. MAY 27 2013*, vol. 102, no. 21., WOS
25. [1.1] YANG, F. - MEI, Z.L. - YANG, X.Y. - JIN, T.Y. - CUI, T.J. In *ADVANCED*

- FUNCTIONAL MATERIALS. SEP 20 2013, vol. 23, no. 35, p. 4306-4310., WOS*
 26. [1.1] YANG, Y. - GAO, L. - LOPEZ, G.P. - YELLEN, B.B. In ACS NANO. MAR 2013, vol. 7, no. 3, p. 2705-2716., WOS
 27. [1.1] ZENG, L.W. - SONG, R.X. In SCIENTIFIC REPORTS. NOV 28 2013, vol. 3., WOS
 28. [1.1] ZHANG, B.L. In LIGHT-SCIENCE & APPLICATIONS. OCT 2012, vol. 1., WOS
- ADCA72 GÖMÖRY, Fedor - INANIR, F. AC losses in coil wound from round wire coated by a superconducting layer. In IEEE Transactions on Applied Superconductivity, 2012, vol. 22, 4704704. (1.041 - IF2011). (2012 - Current Contents, SCOPUS). ISSN 1051-8223.
 Citácie:
 1. [1.1] KAWABATA, S. - MOTOMURA, R. - HIRAYAMA, T. In IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY. JUN 2013, vol. 23, no. 3, 2., WOS
- ADCA73 GÖMÖRY, Fedor - ŠOUC, Ján - PARDO, Enric - SEILER, Eugen - SOLOVYOV, Mykola - FROLEK, Lubomír - SKARBA, M. - KONOPKA, P. - PEKARČÍKOVÁ, M. - JANOVEC, J. AC loss in pancake coil made from 12mm wide ReBCO tape. In IEEE Transactions on Applied Superconductivity, 2013, vol. 23, 5900406. (1.199 - IF2012). (2013 - Current Contents, SCOPUS). ISSN 1051-8223.
 Citácie:
 1. [1.1] PITEL, J. In SUPERCONDUCTOR SCIENCE & TECHNOLOGY. DEC 2013, vol. 26, no. 12., WOS
- ADCA74 GÖMÖRY, Fedor - ŠOUC, Ján - VOJENČIAK, Michal - ALAMGIR, A.K. - HAN, Z. - GU, Ch. Reduction of ac transport and magnetization loss of a high-Tc superconducting tape by placing soft ferromagnetic materials at the edges. In Applied Physics Letters, 2007, vol. 90, p. 092506. (3.977 - IF2006). (2007 - Current Contents, SCOPUS). ISSN 0003-6951.
 Citácie:
 1. [1.1] HE, A. - XUE, C. - YONG, H.D. - ZHOU, Y.H. In JOURNAL OF APPLIED PHYSICS. NOV 28 2013, vol. 114, no. 20., WOS
 2. [1.1] MA, G.T. - RAUH, H. In SUPERCONDUCTOR SCIENCE & TECHNOLOGY. OCT 2013, vol. 26, no. 10., WOS
- ADCA75 GÖMÖRY, Fedor - ŠOUC, Ján - VOJENČIAK, Michal - SEILER, Eugen - KLINČOK, Boris - CEBALLOS, J.M. - PARDO, Enric - SANCHEZ, A. - NAVAU, C. - FARINON, S. - FABBRICATORE, P. Predicting AC loss in practical superconductors. In Superconductor Science and Technology, 2006, vol. 19, p. S60-S66. (1.896 - IF2005). (2006 - Current Contents, WOS, SCOPUS). ISSN 0953-2048.
 Citácie:
 1. [1.1] HE, A. - XUE, C. - YONG, H.D. - ZHOU, Y.H. In JOURNAL OF APPLIED PHYSICS. NOV 28 2013, vol. 114, no. 20., WOS
 2. [1.1] HUANG, C.G. - ZHOU, Y.H. In PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS. JUL 2013, vol. 490, p. 5-9., WOS
- ADCA76 GÖMÖRY, Fedor - VOJENČIAK, Michal - PARDO, Enric - ŠOUC, Ján. Magnetic flux penetration and AC loss in a composite superconducting wire with ferromagnetic parts. In Superconductor Science and Technology, 2009, vol. 22, art. no. 034017. (1.847 - IF2008). (2009 - Current Contents, WOS, SCOPUS). ISSN 0953-2048.
 Citácie:
 1. [1.1] AINSLIE, M.D. - YUAN, W.J. - FLACK, T.J. In IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY. JUN 2013, vol. 23, no. 3, 2., WOS
 2. [1.1] GU, C. - QU, T.M. - LI, X.F. - HAN, Z.H. In IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY. APR 2013, vol. 23, no. 2., WOS
 3. [1.1] LYLly, M. - HOLM, M. - STENVALL, A. - MIKKONEN, R. In IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY. FEB 2013, vol. 23, no. 1., WOS
 4. [1.1] LYLly, M. - ZERMENO, V. - STENVALL, A. - LAHTINEN, V. - MIKKONEN, R. In IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY. JUN 2013, vol. 23, no. 3, 3., WOS
 5. [1.1] MA, G.T. - RAUH, H. In SUPERCONDUCTOR SCIENCE & TECHNOLOGY. OCT 2013, vol. 26, no. 10., WOS

6. [1.1] MA, G.T. In *IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY*. OCT 2013, vol. 23, no. 5., WOS
7. [1.1] NAVAU, C. - DEL-VALLE, N. - SANCHEZ, A. In *IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY*. FEB 2013, vol. 23, no. 1., WOS
8. [1.1] RAUH, H. - MA, G.T. In *JOURNAL OF APPLIED PHYSICS*. NOV 21 2013, vol. 114, no. 19., WOS
9. [1.1] ZOU, S.N. - GU, C. - QU, T.M. - HAN, Z. In *REVIEW OF SCIENTIFIC INSTRUMENTS*. OCT 2013, vol. 84, no. 10., WOS
- ADCA77 GÖMÖRY, Fedor - FROLEK, Lubomír - ŠOUC, Ján. Non-uniform current distribution as the cause of false voltage signals in the ac loss measurement on a superconducting cable. In *Superconductor Science and Technology*, 2005, vol. 18, p. 780-790. (1.556 - IF2004). (2005 - Current Contents, WOS, SCOPUS). ISSN 0953-2048.
- Citácie:
1. [1.1] JIANG, Z.A. - LONG, N.J. - STAINES, M. - BADCOCK, R.A. - BUCKLEY, R.G. - TALANTSEV, E. - AMEMIYA, N. In *IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY*. JUN 2013, vol. 23, no. 3, 2., WOS
2. [1.1] NGUYEN, D.N. - KIM, C.H. - KIM, J.H. - PAMIDI, S. - ASHWORTH, S.P. In *SUPERCONDUCTOR SCIENCE & TECHNOLOGY*. SEP 2013, vol. 26, no. 9., WOS
- ADCA78 GÖMÖRY, Fedor - VOJENČIAK, Michal - PARDO, Enric - SOLOVYOV, Mykola - ŠOUC, Ján. AC losses in coated conductors. In *Superconductor Science and Technology*, 2010, vol. 23, art. no. 034012. (2.694 - IF2009). (2010 - Current Contents, WOS, SCOPUS). ISSN 0953-2048.
- Citácie:
1. [1.1] AINSLIE, M.D. - YUAN, W.J. - FLACK, T.J. In *IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY*. JUN 2013, vol. 23, no. 3, 2., WOS
2. [1.1] CARRERA, M. - GRANADOS, X. - AMOROS, J. - PUIG, T. - OBRADORS, X. In *SUPERCONDUCTIVITY CENTENNIAL CONFERENCE 2011*. 2012, vol. 36, p. 1625-1630., WOS
3. [1.1] CHEN, Y.R. - ZHANG, M. - CHUDY, M. - MATSUDA, K. - COOMBS, T. In *PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS*. APR 2013, vol. 487, p. 31-36., WOS
4. [1.1] CHEN, Y.R. - ZHANG, M. - CHUDY, M. - MATSUDA, K. - COOMBS, T. In *PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS*. JUN 2013, vol. 489, p. 1-7., WOS
5. [1.1] CHEN, Y.R. - ZHANG, M. - CHUDY, M. - WANG, W. - ZHONG, Z.Y. - HUANG, Z. - COOMBS, T. In *IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY*. JUN 2013, vol. 23, no. 3, 3., WOS
6. [1.1] DEL-VALLE, N. - AGRAMUNT-PUIG, S. - NAVAU, C. - SANCHEZ, A. In *JOURNAL OF APPLIED PHYSICS*. JAN 1 2012, vol. 111, no. 1., WOS
7. [1.1] FARINON, S. - FABBRICATORE, P. - GRILLI, F. - KRUGER, P.A.C. In *JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM*. OCT 2012, vol. 25, no. 7, p. 2343-2350., WOS
8. [1.1] FETISOV, S.S. - ZUBKO, V.V. - NOSOV, A.A. - POLYAKOVA, N.V. - VYSOTSKY, V.S. In *SUPERCONDUCTIVITY CENTENNIAL CONFERENCE 2011*. 2012, vol. 36, p. 1319-1323., WOS
9. [1.1] GAITZSCH, U. - HANISCH, J. - HUHNE, R. - RODIG, C. - FREUDENBERGER, J. - HOLZAPFEL, B. - SCHULTZ, L. In *SUPERCONDUCTOR SCIENCE & TECHNOLOGY*. AUG 2013, vol. 26, no. 8., WOS
10. [1.1] GU, C. - QU, T.M. - LI, X.F. - HAN, Z.H. In *IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY*. APR 2013, vol. 23, no. 2., WOS
11. [1.1] MAWATARI, Y. In *SUPERCONDUCTOR SCIENCE & TECHNOLOGY*. JUL 2013, vol. 26, no. 7., WOS
12. [1.1] QUERALTO, A. - DEL PINO, A.P. - RICART, S. - OBRADORS, X. - PUIG, T. In *JOURNAL OF ALLOYS AND COMPOUNDS*. OCT 15 2013, vol. 574, p. 246-254., WOS
13. [1.1] RAUH, H. - MA, G.T. In *JOURNAL OF APPLIED PHYSICS*. NOV 21 2013, vol. 114, no. 19., WOS

14. [1.1] YEN, F. - CHEN, X. - WANG, R.B. - ZHU, J.M. - LI, J. - MA, G.T. In *IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY*. DEC 2013, vol. 23, no. 6., WOS
15. [1.1] ZERMENO, V.M.R. - ABRAHAMSEN, A.B. - MIJATOVIC, N. - SORENSEN, M.P. - JENSEN, B.B. - PEDERSEN, N.F. In *SUPERCONDUCTIVITY CENTENNIAL CONFERENCE 2011*. 2012, vol. 36, p. 786-790., WOS
16. [1.1] ZHANG, M. - KIM, J.H. - PAMIDI, S. - CHUDY, M. - YUAN, W.J. - COOMBS, T.A. In *JOURNAL OF APPLIED PHYSICS*. APR 15 2012, vol. 111, no. 8., WOS
17. [1.1] ZHANG, M. - KVITKOVIC, J. - KIM, J.H. - KIM, C.H. - PAMIDI, S.V. - COOMBS, T.A. In *APPLIED PHYSICS LETTERS*. SEP 3 2012, vol. 101, no. 10., WOS
- ADCA79 GÖMÖRY, Fedor - GHERARDI, L. - MELE, R. - MORIN, D. - CROTTI, G. Critical state and AC losses in multifilamentary BiSrCaCuO-2223/Ag tapes studies by transport and magnetic measurements. In *Physica C : Superconductivity and Its Applications*, 1997, vol. 279, p. 39. (1.723 - IF1996). (1997 - Current Contents, SCOPUS). ISSN 0921-4534.
Citácie:
1. [1.1] VOJENČIAK, M. - GRILLI, F. - STENVALL, A. - KLING, A. - GOLDACKER, W. In *CRYOGENICS*. OCT 2013, vol. 57, p. 189-194., WOS
- ADCA80 GÖMÖRY, Fedor. Characterization of high-temperature superconductors by AC susceptibility measurement : Topical Review. In *Superconductor Science and Technology*, 1997, vol. 10, p. 523-542. (1.447 - IF1996). (1997 - Current Contents, SCOPUS). ISSN 0953-2048.
Citácie:
1. [1.1] CHAKRABARTI, A. - NEOGY, C. In *CRYOGENICS*. MAY-JUN 2013, vol. 55-56, p. 35-46., WOS
2. [1.1] CIOU, Y.S. - LEE, M.K. - CHARNAYA, E.V. - TIEN, C. - CHANG, L.J. - KUMZEROV, Y.A. - SAMOYLOVICH, M.I. In *SUPERCONDUCTOR SCIENCE & TECHNOLOGY*. MAY 2013, vol. 26, no. 5., WOS
3. [1.1] GE, J.Y. - GUTIERREZ, J. - LI, M.T. - ZHANG, J.C. - MOSHCHALKOV, V.V. In *APPLIED PHYSICS LETTERS*. JUL 29 2013, vol. 103, no. 5., WOS
4. [1.1] GOLOVCHANSKIY, I.A. - PAN, A.V. - SHCHERBAKOVA, O.V. - FEDOSEEV, S.A. In *JOURNAL OF APPLIED PHYSICS*. OCT 28 2013, vol. 114, no. 16., WOS
5. [1.1] KIRSCH, S. - FAGNARD, J.F. - VANDERBEMDEN, P. - VANDERHEYDEN, B. In *SUPERCONDUCTOR SCIENCE & TECHNOLOGY*. NOV 2013, vol. 26, no. 11., WOS
6. [1.1] KUMAR, J. - SHARMA, D. - AHLUWALIA, P.K. - AWANA, V.P.S. In *MATERIALS CHEMISTRY AND PHYSICS*. MAY 15 2013, vol. 139, no. 2-3, p. 681-688., WOS
7. [1.1] LEE, M.K. - CHARNAYA, E.V. - TIEN, C. - CHANG, L.J. - KUMZEROV, Y.A. In *JOURNAL OF APPLIED PHYSICS*. MAR 21 2013, vol. 113, no. 11., WOS
8. [1.1] LIU, G.H. - ZHANG, L. - LI, Y.B. - YU, J.Y. - DENG, Y. - TANG, Z. - DING, S.Y. In *PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS*. DEC 2013, vol. 495, p. 1-4., WOS
9. [1.1] MORGHI, R. - NAFIDI, A. - ABOULKASSIM, A. - KHALLOUQ, K. - CHAIB, H. - KHALAL, A. - TIRBIYINE, A. - TAOUFIK, A. - SOUCASE, B.M. - GARCIA, M.A.M. - SINGH, K.C. In *JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS*. NOV-DEC 2013, vol. 15, no. 11-12, p. 1306-1310., WOS
10. [1.1] MUMTAZ, M. - KHAN, N.A. - ABBAS, S. In *SCRIPTA MATERIALIA*. OCT 2013, vol. 69, no. 7, p. 517-520., WOS
11. [1.1] NAVAU, C. - DEL-VALLE, N. - SANCHEZ, A. In *IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY*. FEB 2013, vol. 23, no. 1., WOS
12. [1.1] PRANDO, G. - GIRAUD, R. - ASWARTHAM, S. - VAKALIUK, O. - ABDEL-HAFIEZ, M. - HESS, C. - WURMEHL, S. - WOLTER, A.U.B. - BUCHNER, B. In *JOURNAL OF PHYSICS-CONDENSED MATTER*. DEC 18 2013, vol. 25, no. 50., WOS
13. [1.1] SHARMA, D. - KUMAR, R. - AWANA, V.P.S. In *CERAMICS INTERNATIONAL*. MAR 2013, vol. 39, no. 2, p. 1143-1152., WOS
14. [1.1] XUE, C. - HE, A. - YONG, H.D. - ZHOU, Y.H. In *AIP ADVANCES*. DEC 2013, vol. 3, no. 12., WOS
- ADCA81 GÖMÖRY, Fedor - ŠOUC, Ján - VOJENČIAK, Michal - KLINČOK, Boris.

Phenomenological description of flux pinning in non-uniform high-temperature superconductors in magnetic fields lower than self-field. In *Superconductor Science and Technology*, 2007, vol. 20, p. S271-S277. (1.440 - IF2006). (2007 - Current Contents, SCOPUS). ISSN 0953-2048.

Citácie:

1. [1.1] *INANIR, F. - YILDIZ, S. - OKUTAN, M. - KOLEMEN, U. In PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS. FEB 2013, vol. 485, p. 30-34., WOS*

ADCA82 GÖMÖRY, Fedor - TEBANO, R. - SANCHEZ, A. - PARDO, Enric - NAVAU, C. - HUŠEK, Imrich - STRÝČEK, František - KOVÁČ, Pavol. Current profiles and ac losses of a superconducting strip with an elliptic cross-section in a perpendicular magnetic field. In *Superconductor Science and Technology*, 2002, vol. 15, p. 1311-1315. (1.511 - IF2001). (2002 - Current Contents, WOS, SCOPUS). ISSN 0953-2048.

Citácie:

1. [1.1] *RUIZ, H.S. - BADIA-MAJOS, A. - GENENKO, Y.A. - YAMPOLSKII, S.V. In IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY. JUN 2013, vol. 23, no. 3, 3., WOS*

2. [1.1] *RUIZ, H.S. - BADIA-MAJOS, A. In JOURNAL OF APPLIED PHYSICS. MAY 21 2013, vol. 113, no. 19., WOS*

ADCA83 GÖMÖRY, Fedor - ŠOUC, Ján - LAUDIS, Andrej - KOVÁČ, Pavol - HUŠEK, Imrich. Experimental study of the effect of filament orientation on the transport and magnetic AC loss in Bi-2223/Ag multifilamentary tapes. In *Superconductor Science and Technology*, 2000, vol. 13, p. 1580-1586. (1.728 - IF1999). (2000 - Current Contents, WOS, SCOPUS). ISSN 0953-2048.

Citácie:

1. [1.1] *HUANG, C.G. - YONG, H.D. - ZHOU, Y.H. In JOURNAL OF LOW TEMPERATURE PHYSICS. JUL 2013, vol. 172, no. 1-2, p. 59-69., WOS*

ADCA84 GÖMÖRY, Fedor - GHERARDI, L. Transport AC losses in round superconducting wire consisting of two concentric shells with different critical current density. In *Physica C*, 1997, vol. 280, p. 151. (1.723 - IF1996). (1997 - Current Contents, SCOPUS). ISSN 0921-4534.

Citácie:

1. [1.1] *HUANG, C.G. - YONG, H.D. - ZHOU, Y.H. In JOURNAL OF LOW TEMPERATURE PHYSICS. JUL 2013, vol. 172, no. 1-2, p. 59-69., WOS*

2. [1.1] *SU, X.L. - XIONG, L.T. - GAO, Y.W. - ZHOU, Y.H. In JOURNAL OF LOW TEMPERATURE PHYSICS. JUL 2013, vol. 172, no. 1-2, p. 154-161., WOS*

3. [1.1] *ZHENG, Y.L. - FENG, W.J. - LIU, Q.F. In JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM. SEP 2013, vol. 26, no. 9, p. 2937-2947., WOS*

4. [1.2] *Liu, Q.-F., Feng, W.-J. Symposium on Piezoelectricity, Acoustic Waves and Device Applications, SPAWDA 2013 P. 6841119, SCOPUS*

ADCA85 GÖMÖRY, Fedor - FROLEK, Lubomír - ŠOUC, Ján - LAUDIS, Andrej - KOVÁČ, Pavol - HUŠEK, Imrich. Partitioning of transport AC loss in a superconducting tape into magnetic and resistive components. In *IEEE Transactions on Applied Superconductivity*, 2001, vol. 11, no. 1, p. 2967-2970. (0.791 - IF2000).

Citácie:

1. [1.2] *Dai, J.S., Wang, Y.S., Zhao, W.J., Xia, L.M., Sun, D. IEEE International Conference on Applied Superconductivity and Electromagnetic Devices, ASEMD 2013 6780723, pp. 124-127, SCOPUS*

ADCA86 GRAJCAR, M. - PLECENIK, Andrej - SEIDEL, P. - PFUCH, A. Influence of inelastic effects on differential conductance of a high-T_c superconductor/metal junction. In *Physical Review B*, 1995, vol. 51, p. 16185-16189.

Citácie:

1. [1.1] *LI, X.W. In PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS. FEB 2013, vol. 485, p. 35-38., WOS*

ADCA87 GREGUŠOVÁ, Dagmar - STOKLAS, Roman - ČIČO, Karol - LALINSKÝ, Tibor - KORDOŠ, Peter. AlGaIn/GaN metal-oxide-semiconductor heterostructure field-effect transistors with 4nm thick Al₂O₃ gate oxide. In *Semiconductor Science and Technology*,

2007, vol. 22, p. 947-951. (1.590 - IF2006). (2007 - Current Contents). ISSN 0268-1242.

Citácie:

1. [1.1] BOUGUENNA, D. - STAMBOULI, A.B. - MAAZA, N.M. - ZADO, A. - AS, D.J. In *SUPERLATTICES AND MICROSTRUCTURES. OCT 2013, vol. 62, p. 260-268., WOS*
2. [1.1] GATABI, I.R. - JOHNSON, D.W. - WOO, J.H. - BABB, M.E. - HARRIS, H.R. In *2013 8TH INTERNATIONAL CONFERENCE ON DESIGN & TECHNOLOGY OF INTEGRATED SYSTEMS IN NANOSCALE ERA (DTIS). 2013, p. 62-67., WOS*
3. [1.1] HORI, Y. - YATABE, Z. - HASHIZUME, T. In *JOURNAL OF APPLIED PHYSICS. DEC 28 2013, vol. 114, no. 24., WOS*
4. [1.1] HUNG, T.H. - KRISHNAMOORTHY, S. - ESPOSTO, M. - NATH, D.N. - PARK, P.S. - RAJAN, S. In *APPLIED PHYSICS LETTERS. FEB 18 2013, vol. 102, no. 7., WOS*
5. [1.1] JACKSON, C.M. - AREHART, A.R. - CINKILIC, E. - MCSKIMMING, B. - SPECK, J.S. - RINGEL, S.A. In *JOURNAL OF APPLIED PHYSICS. MAY 28 2013, vol. 113, no. 20., WOS*
6. [1.1] LIU, H.Y. - LEE, C.S. - HSU, W.C. - TSENG, L.Y. - CHOU, B.Y. - HO, C.S. - WU, C.L. In *IEEE TRANSACTIONS ON ELECTRON DEVICES. JUL 2013, vol. 60, no. 7, p. 2231-2237., WOS*
7. [1.1] SATO, T. - OKAYASU, J. - TAKIKAWA, M. - SUZUKI, T. In *IEEE ELECTRON DEVICE LETTERS. MAR 2013, vol. 34, no. 3, p. 375-377., WOS*
8. [1.1] TIAN, B.L. - CHEN, C. - ZHANG, J.H. - ZHANG, W.L. - LIU, X.Z. In *CHINESE PHYSICS LETTERS. FEB 2013, vol. 30, no. 2., WOS*

ADCA88

GREGUŠOVÁ, Dagmar - STOKLAS, Roman - MIZUE, Ch. - HORI, Y. - NOVÁK, Jozef - HASHIZUME, T. - KORDOŠ, Peter. Trap states in AlGaIn/GaN metal-oxide-semiconductor structures with Al₂O₃ prepared by atomic layer deposition. In *Journal of Applied Physics*, 2010, vol. 107, art. no. 106104. (2.072 - IF2009). (2010 - Current Contents, WOS, SCOPUS). ISSN 0021-8979.

Citácie:

1. [1.1] ANAND, M.J. - NG, G.I. - VICKNESH, S. - ARULKUMARAN, S. - RANJAN, K. In *PHYSICA STATUS SOLIDI C: CURRENT TOPICS IN SOLID STATE PHYSICS, VOL 10, NO 11. 2013, vol. 10, no. 11, p. 1421-1425., WOS*
2. [1.1] HAHN, H. - BENKHELIFA, F. - AMBACHER, O. - ALAM, A. - HEUKEN, M. - YACOB, H. - NOCULAK, A. - KALISCH, H. - VESCAN, A. In *JAPANESE JOURNAL OF APPLIED PHYSICS. SEP 2013, vol. 52, no. 9, 1., WOS*
3. [1.1] JACKSON, C.M. - AREHART, A.R. - CINKILIC, E. - MCSKIMMING, B. - SPECK, J.S. - RINGEL, S.A. In *JOURNAL OF APPLIED PHYSICS. MAY 28 2013, vol. 113, no. 20., WOS*
4. [1.1] YE, G. - WANG, H. - ARULKUMARAN, S. - NG, G.I. - HOFSTETTER, R. - LI, Y. - ANAND, M.J. - ANG, K.S. - MAUNG, Y.K.T. - FOO, S.C. In *APPLIED PHYSICS LETTERS. SEP 30 2013, vol. 103, no. 14., WOS*
5. [1.1] ZHANG, K. - XUE, J.S. - CAO, M. - YANG, L.Y. - CHEN, Y.H. - ZHANG, J.C. - MA, X.H. - HAO, Y. In *JOURNAL OF APPLIED PHYSICS. MAY 7 2013, vol. 113, no. 17., WOS*
6. [1.1] ZHAO, S.L. - ZHANG, K. - HA, W. - CHEN, Y.H. - ZHANG, P. - ZHANG, J.C. - MA, X.H. - HAO, Y. In *APPLIED PHYSICS LETTERS. NOV 18 2013, vol. 103, no. 21., WOS*

ADCA89

GREGUŠOVÁ, Dagmar - CAMBEL, Vladimír - FEDOR, Ján - KÚDELA, Róbert - ŠOLTÝS, Ján - LALINSKÝ, Tibor - KOSTIČ, Ivan - BENDING, S.J. Fabrication of a vector Hall sensor for magnetic microscopy. In *Applied Physics Letters*, 2003, vol. 82, p. 3704-3706. (2003 - Current Contents, SCOPUS). ISSN 0003-6951.

Citácie:

1. [1.1] VOROB'EV, A. - CHESNITSKIY, A. - TOROPOV, A. - PRINZ, V. In *APPLIED PHYSICS LETTERS. OCT 21 2013, vol. 103, no. 17., WOS*

ADCA90

GREGUŠOVÁ, Dagmar - ELIÁŠ, Peter - ÖSZI, Zsolt - KÚDELA, Róbert - ŠOLTÝS, Ján - FEDOR, Ján - CAMBEL, Vladimír - KOSTIČ, Ivan. Technology and properties of a vector hall sensor. In *Microelectronics Journal*, 2006, vol. 37, p. 1543-1546.

Citácie:

1. [1.1] PETERS, V. - BERAN, P. - HOHE, H.P. In *IEEE TRANSACTIONS ON*

- MAGNETICS. JAN 2013, vol. 49, no. 1, 1, p. 109-112., WOS*
- ADCA91 GRILLI, F. - PARDO, Enric - STENVALL, A. - NGUYEN, D.N. - YUAN, W. - GÖMÖRY, Fedor. Computation of losses in HTS under the action of varying magnetic fields and currents. In IEEE Transactions on Applied Superconductivity, 2014, vol. 24, p. 8200433. (1.324 - IF2013). (2014 - Current Contents). ISSN 1051-8223.
Citácie:
1. [1.1] RAUH, H. - MA, G.T. In JOURNAL OF APPLIED PHYSICS. NOV 21 2013, vol. 114, no. 19., WOS
- ADCA92 GRILLI, F. - PARDO, Enric. Simulation of ac loss in Roebel coated conductor cables. In Superconductor Science and Technology, 2010, vol. 23, art. no. 115018. (2.694 - IF2009). (2010 - Current Contents, WOS, SCOPUS). ISSN 0953-2048.
Citácie:
1. [1.1] GRINENKO, V. - FUCHS, G. - NENKOV, K. - HOLZAPFEL, B. In SUPERCONDUCTOR SCIENCE & TECHNOLOGY. MAR 2013, vol. 26, no. 3., WOS
2. [1.1] GU, C. - QU, T.M. - LI, X.F. - HAN, Z.H. In IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY. APR 2013, vol. 23, no. 2., WOS
- ADCA93 GRINENKO, V. - FUKS, D. - NENKOV, K.A. - STIEHLER, C. - VOJENČIAK, Michal - REIS, T. - OSWALD, B. - HOLZAPFEL, B. Transport AC losses of YBCO pancake coils wound from parallel connected tapes. In Superconductor Science and Technology, 2012, vol. 25, art. no. 075006. (2.662 - IF2011). (2012 - Current Contents, WOS, SCOPUS). ISSN 0953-2048.
Citácie:
1. [1.1] NGUYEN, D.N. - KIM, C.H. - KIM, J.H. - PAMIDI, S. - ASHWORTH, S.P. In SUPERCONDUCTOR SCIENCE & TECHNOLOGY. SEP 2013, vol. 26, no. 9., WOS
- ADCA94 GROVENOR, C.R.M. - GOODSIR, L. - SALTER, C.J. - KOVÁČ, Pavol - HUŠEK, Imrich. Interfacial reactions and oxygen distribution in MgB₂ wires in Fe, stainless steel and Nb sheaths. In Superconductor Science and Technology, 2004, vol. 17, p. 479-484. (2.247 - IF2003). (2004 - Current Contents, WOS, SCOPUS). ISSN 0953-2048.
Citácie:
1. [1.1] SANDU, V. - CHEE, C.Y. In JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM. JAN 2013, vol. 26, no. 1, p. 125-131., WOS
2. [1.1] WANG, Q.Y. - ZHANG, P.X. - YAN, G. - SULPICE, A. - XIONG, X.M. - YANG, F. - LIU, G.Q. - JIAO, G.F. - LI, C.S. In RARE METAL MATERIALS AND ENGINEERING. MAY 2013, vol. 42, no. 5, p. 881-884., WOS
- ADCA95 GUARINO, G. - DONALDSON, W.R. - MIKULICS, M. - MARSO, M. - KORDOŠ, Peter - SOBOLEWSKI, R. Finite element simulation of metal-semiconductor-metal photodetector. In Solid-State Electronics, 2009, vol. 53, p. 1144-1148. (1.422 - IF2008). (2009 - Current Contents). ISSN 0038-1101.
Citácie:
1. [1.1] WANG, P. - ZHEN, Q.H. - TANG, Q. - YANG, Y.T. - GUO, L.X. - DING, K. - HUANG, F. In OPTICS EXPRESS. JUL 29 2013, vol. 21, no. 15, p. 18387-18397., WOS
- ADCA96 HANIC, František - JERGEL, Milan - CHROMIK, Štefan - PLESCH, G. - ŠTRBÍK, Vladimír. Preparation of thin epitaxial multilayer YBa₂Cu₃O_{7-x}(Ag) films by aerosol deposition. In Bulletin of Materials Science, 1991, vol. 14, p. 485-491. ISSN 0250-4707.
Citácie:
1. [1.2] Tonoyan, A.O., Davtyan, S.P. Ceramic Nanocomposites (2013) pp. 284-322, SCOPUS
- ADCA97 HARTMANOVÁ, Mária - JERGEL, Matej - THURZO, Ilja - KUNDRACIK, F. - GMUCOVÁ, Katarína - CHROMIK, Štefan - ORTEGA, L. Thin film electrolytes - yttria stabilized zirconia and ceria. In Russian Journal of Electrochemistry, 2003, vol. 39, p. 478-485. ISSN 1023-1935.
Citácie:
1. [1.1] ANANTHARAMAN, S.B. - BAURI, R. In CERAMICS INTERNATIONAL. DEC 2013, vol. 39, no. 8, p. 9421-9428., WOS
- ADCA98 HARTMANOVÁ, Mária - LE, M.T. - JERGEL, Matej - ŠMATKO, Vasilij - KUNDRACIK, F. Structure and electrical conductivity of multicomponent metal oxides having scheelite structure. In Russian Journal of Electrochemistry, 2009, vol. 45, no. 6, p.

621-629. (0.431 - IF2008). (2009 - Current Contents). ISSN 1023-1935.

Citácie:

1. [1.1] JIANG, J.G. - WANG, M. - LI, R. - MA, L.J. - GUO, L.J. *Fabricating CdS/BiVO₄ and BiVO₄/CdS heterostructured film photoelectrodes for photoelectrochemical applications. In INTERNATIONAL JOURNAL OF HYDROGEN ENERGY. SEP 30 2013, vol. 38, no. 29, p. 13069-13076., WOS*

2. [1.1] RETTIE, A.J.E. - LEE, H.C. - MARSHALL, L.G. - LIN, J.F. - CAPAN, C. - LINDEMUTH, J. - MCCLOY, J.S. - ZHOU, J.S. - BARD, A.J. - MULLINS, C.B. *Combined Charge Carrier Transport and Photoelectrochemical Characterization of BiVO₄ Single Crystals: Intrinsic Behavior of a Complex Metal Oxide. In JOURNAL OF THE AMERICAN CHEMICAL SOCIETY. JUL 31 2013, vol. 135, no. 30, p. 11389-11396., WOS*

3. [1.1] ZHAI, Z. - GETSOIAN, A. - BELL, A.T. *The kinetics of selective oxidation of propene on bismuth vanadium molybdenum oxide catalysts. In JOURNAL OF CATALYSIS. DEC 2013, vol. 308, p. 25-36., WOS*

ADCA99 HASENÖHRL, Stanislav - NOVÁK, Jozef - VÁVRA, Ivo - ŠATKA, A. Material properties of graded composition In_xGa_{1-x}P buffer layers grown on GaP by organometallic vapor phase epitaxy. In *Journal of Crystal Growth*, 2004, vol. 272, p. 633-641. ISSN 0022-0248.

Citácie:

1. [1.1] SUN, Y.R. - LI, K.L. - DONG, J.R. - ZENG, X.L. - ZHAO, Y.M. - YU, S.Z. - ZHAO, C.Y. - YANG, H. *In JOURNAL OF CRYSTAL GROWTH. OCT 15 2013, vol. 381, p. 70-76., WOS*

2. [1.2] Gillan, E.G. *In Reference Module in Chemistry, Molecular Sciences and Chemical Engineering Comprehensive Inorganic Chemistry II (Second Edition) From Elements to Applications. Elsevier: 2013, Pp 969–1000, SCOPUS*

ADCA100 HERRANZ, D. - GUERRERO, R. - VILLAR, R. - ALIEV, F.G. - SWAVING, A.C. - DUINE, R.A. - VAN HAESSENDONCK, C. - VÁVRA, Ivo. Anomalous low-frequency noise in synthetic antiferromagnets: possible evidence of current-induced domain-wall motion. In *Physical Review B*, 2009, vol. 79, art. no. 134423. (3.322 - IF2008). (2009 - Current Contents, WOS, SCOPUS). ISSN 1098-0121.

Citácie:

1. [1.1] GOMONAY, H. - LOKTEV, V. *In EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS. JAN 2013, vol. 216, no. 1, p. 117-125., WOS*

2. [1.1] TVETEN, E.G. - QAIUMZADEH, A. - TRETIKOV, O.A. - BRATAAS, A. *In PHYSICAL REVIEW LETTERS. MAR 21 2013, vol. 110, no. 12., WOS*

ADCA101 HLÁŠNIK, Ivan - KOKAVEC, Ján. Hall generator in homogeneous field and the dipole notion of the Hall effect. In *Solid-State Electronics*, 1966, vol. 9, p. 585. ISSN 0038-1101.

Citácie:

1. [1.1] KOON, D.W. - WANG, F. - PETERSEN, D.H. - HANSEN, O. *In JOURNAL OF APPLIED PHYSICS. OCT 28 2013, vol. 114, no. 16., WOS*

ADCA102 HLÁŠNIK, Ivan - TSUKAMOTO, O. - FUKUI, S. - KUMANO, T. - POLÁK, Milan - KOKAVEC, Ján - MAJOROŠ, Milan - KREMPASKÝ, Ludovít - SUZUKI, E. Influence of structure of filament NbTi composite on its electromagnetic characteristics. In *IEEE Transactions on Applied Superconductivity*, 1993, vol. 3, p. 1370. ISSN 1051-8223.

Citácie:

1. [1.1] LYLly, M. - HOLM, M. - STENVALL, A. - MIKKONEN, R. *In IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY. FEB 2013, vol. 23, no. 1., WOS*

ADCA103 HLÁŠNIK, Ivan - TAKÁCS, Silvester - BURJAK, B.P. - MAJOROŠ, Milan - KRAJČÍK, Jozef - KREMPASKÝ, Ludovít - POLÁK, Milan - JERGEL, Milan - KORNEVA, A.T. - MIRONOVA, O.N. - IVAN, Jozef. Properties of superconducting NbTi superfine filament composites with d 0.1 .MU. In *Cryogenics*, 1985, vol. 25, p. 558. ISSN 0011-2275.

Citácie:

1. [1.1] CORDOBA, R. - BATURINA, T.I. - SESE, J. - MIRONOV, A.Y. - DE TERESA, J.M. - IBARRA, M.R. - NASIMOV, D.A. - GUTAKOVSKII, A.K. - LATYSHEV, A.V. - GUILLAMON, I. - SUDEROW, H. - VIEIRA, S. - BAKLANOV, M.R. - PALACIOS, J.J. - VINOKUR, V.M. *In NATURE COMMUNICATIONS. FEB 2013, vol. 4., WOS*

- ADCA104 HLÁSNIK, Ivan - CESNAK, Ladislav. Magnetic flux concentration in bulk bellow superconducting cylinders. In Cryogenics, 1969, vol. 9, p. 95. ISSN 0011-2275.
Citácie:
1. [1.2] Zhang, Z.Y., Matsumoto, S., Teranishi, R., Kiyoshi, T. *Superconductor Science and Technology* 26 (2013), 045001, SCOPUS
- ADCA105 HLINKA, Jozef - GREGORA, I. - POKORNÝ, Jaromír - PLECENIK, Andrej - KÚŠ, P. - SATRAPINSKY, L. - BEŇAČKA, Štefan. Phonons in MgB2 by polarized Raman scattering on single crystals. In Physical Review B, 2001, vol. 64, p. 140503-1-140503-4. (3.065 - IF2000). (2001 - Current Contents, WOS, SCOPUS). ISSN 1098-0121.
Citácie:
1. [1.1] SANDU, V. - ALDICA, G. - BAIBARAC, M. - ENACHESCU, M. - SANDU, E. - CHEE, C.Y. In *SUPERCONDUCTOR SCIENCE & TECHNOLOGY. APR 2013, vol. 26, no. 4., WOS*
- ADCA106 HOLÚBEK, Tomáš - SCHLACHTER, S. - GOLDACKER, W. Fabrication and transport properties of superconducting MgB2 cables. In Superconductor Science and Technology, 2009, vol. 22, art. no. 055011. (1.847 - IF2008). (2009 - Current Contents, WOS, SCOPUS). ISSN 0953-2048.
Citácie:
1. [1.1] CHEADLE, M.J. - WOZNAK, M. - BROMBERG, L. - GLOWACKI, B.A. - JIANG, X.H. - ZENG, R. - MINERVINI, J.V. - BRISSON, J.G. In *IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY. JUN 2013, vol. 23, no. 3, 3., WOS*
2. [1.1] GIUNCHI, G. - SAGLIETTI, L. - ALBISETTI, A.F. - PERINI, E. - SCHIAVONE, C. - RIPAMONTI, G. - UGLIETTI, D. - BRUZZONE, P.L. In *IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY. JUN 2013, vol. 23, no. 3, 3., WOS*
3. [1.1] KOPERA, L. - KOVAC, P. - HUSEK, I. - MELISEK, T. In *SUPERCONDUCTOR SCIENCE & TECHNOLOGY. DEC 2013, vol. 26, no. 12., WOS*
- ADCA107 HOLÚBEK, Tomáš - KOVÁČ, Pavol - MELIŠEK, Tibor. Current transfer length in MgB2/Fe mono/core wire and approximation of the interface layer resistivity. In Superconductor Science and Technology. - Bristol : IOP Publishing Ltd., 2005, vol. 18, p. 1218-1221. (1.556 - IF2004). (2005 - Current Contents, WOS, SCOPUS). ISSN 0953-2048.
Citácie:
1. [1.1] LI, G.Z. - REDDY, K.M. - ZWAYER, J.B. - KULDELL, M.A. - SUSNER, M.A. - YANG, Y. - SUMPTION, M.D. - YUE, J.J. - RINDFLEISCH, M.A. - TOMSIC, M.J. - THONG, C.J. - COLLINGS, E.W. In *IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY. JUN 2013, vol. 23, no. 3, 3., WOS*
2. [1.1] VOJENCIAK, M. - GRILLI, F. - STENVALL, A. - KLING, A. - GOLDACKER, W. In *CRYOGENICS. OCT 2013, vol. 57, p. 189-194., WOS*
- ADCA108 HOLÝ, V. - DARHUBER, A.A. - STANGL, J. - ZERLAUTH, S. - SCHÄFLER, F. - BAUER, G. - DAROWSKI, N. - LUBERT, D. - PIETSCH, U. - VÁVRA, Ivo. Coplanar and grazing incidence x-ray-diffraction investigation of self-organized SiGe quantum dot multilayers. In Physical Review B, 1998, vol. 58, p. 7934-7943. (2.880 - IF1997). (1998 - Current Contents).
Citácie:
1. [1.1] FALEEV, N.N. - HONSBURG, C. - PUNEGOV, V.I. In *JOURNAL OF APPLIED PHYSICS. APR 28 2013, vol. 113, no. 16., WOS*
- ADCA109 HORVÁTH, B. - HRONEC, M. - VÁVRA, Ivo - ŠUSTEK, M. - KRIŽANOVÁ, Zuzana - DÉRER, Ján - DOBROČKA, Edmund. Direct gas-phase epoxidation of propylene over nanostructured molybdenum oxide film catalysts. In Catalysis communications, 2013, vol. 34, p. 16-21. (2.915 - IF2012). (2013 - Current Contents). ISSN 1566-7367.
Citácie:
1. [1.1] LIU, Y. - ZHANG, B.H. - YANG, Y.Q. - CHANG, Z. - WEN, Z.B. - WU, Y.P. In *JOURNAL OF MATERIALS CHEMISTRY A. 2013, vol. 1, no. 43, p. 13582-13587., WOS*
- ADCA110 HOTOVÝ, I. - HURAN, Jozef - SPIESS, L. - ROMANUS, H. - BÚC, D. - KOSIBA, R. NiO-based nanostructured thin films with Pt surface modification for gas detection. In Thin Solid Films, 2006, vol. 515, p. 658-661. (2006 - Current Contents). ISSN 0040-6090.
Citácie:
1. [1.1] FASAKI, I. - KANDYLA, M. - TSOUTSOUVA, M.G. - KOMPITSAS, M. In

- ADCA111 *SENSORS AND ACTUATORS B-CHEMICAL. JAN 2013, vol. 176, p. 103-109., WOS*
HOTOVÝ, I. - HURAN, Jozef - JANÍK, J. - KOBZEV, A.P. Deposition and properties of nickel oxide films produced by DC reactive magnetron sputtering. In Vacuum, 1998, vol. 50, p. 157-160. (0.480 - IF1997). (1998 - Current Contents).
Citácie:
1. [1.1] HUANG, C.C. - SU, P.C. - LIAO, Y.C. Conductive lithium nickel oxide thin film patterns via inkjet printing technology. In THIN SOLID FILMS. OCT 1 2013, vol. 544, p. 348-351., WOS
2. [1.1] REDDY, A.M. - REDDY, Y.A.K. - REDDY, C.S. - REDDY, A.S. - REDDY, P.S. Oxygen Partial Pressure Dependent Properties of Nanocrystalline Nickel Oxide Films. In ADVANCED NANOMATERIALS AND NANOTECHNOLOGY. 2013, vol. 143, p. 165-168., WOS
3. [1.1] SOLEIMANPOUR, A.M. - HOU, Y. - JAYATISSA, A.H. Evolution of hydrogen gas sensing properties of sol-gel derived nickel oxide thin film. In SENSORS AND ACTUATORS B-CHEMICAL. JUN 2013, vol. 182, p. 125-133., WOS
- ADCA112 HOTOVÝ, I. - HURAN, Jozef - SICILIANO, P. - CAPONE, S. - SPIESS, L. - REHACEK, V. Enhancement of H₂ sensing properties of NiO-based thin films with a Pt surface modification. In Sensors and Actuators B, 2004, vol. 103, p. 300-311.
Citácie:
1. [1.1] ALVER, U. - YAYKASLI, H. - KERLI, S. - TANRIVERDI, A. In INTERNATIONAL JOURNAL OF MINERALS METALLURGY AND MATERIALS. NOV 2013, vol. 20, no. 11, p. 1097-1101., WOS
2. [1.1] ARCHANJO, B.S. - SILES, P.F. - OLIVEIRA, C.K.B.Q.M. - BAPTISTA, D.L. - NEVES, B.R.A. In ADVANCES IN MATERIALS SCIENCE AND ENGINEERING. 2013., WOS
3. [1.1] CHEN, W.G. - ZHOU, Q. - WAN, F. - PENG, S.D. - ZENG, W. In NANOSCIENCE AND NANOTECHNOLOGY LETTERS. DEC 2013, vol. 5, no. 12, p. 1231-1236., WOS
4. [1.1] FASAKI, I. - KANDYLA, M. - TSOUTSOUVA, M.G. - KOMPITSAS, M. In SENSORS AND ACTUATORS B-CHEMICAL. JAN 2013, vol. 176, p. 103-109., WOS
5. [1.1] GARDUNO-WILCHES, I. - ALONSO, J.C. In INTERNATIONAL JOURNAL OF HYDROGEN ENERGY. APR 1 2013, vol. 38, no. 10, p. 4213-4219., WOS
6. [1.1] LIN, L.Y. - LIU, T.M. - MIAO, B. - ZENG, W. In MATERIALS RESEARCH BULLETIN. FEB 2013, vol. 48, no. 2, p. 449-454., WOS
7. [1.1] SOLEIMANPOUR, A.M. - HOU, Y. - JAYATISSA, A.H. In SENSORS AND ACTUATORS B-CHEMICAL. JUN 2013, vol. 182, p. 125-133., WOS
8. [1.1] WU, C.C. - YANG, C.F. In NANOSCALE RESEARCH LETTERS. JAN 18 2013, vol. 8., WOS
9. [1.1] YOON, J.W. - KIM, H.J. - KIM, I.D. - LEE, J.H. In NANOTECHNOLOGY. NOV 8 2013, vol. 24, no. 44, SI., WOS
- ADCA113 HOTOVÝ, I. - HURAN, Jozef - SICILIANO, P. - CAPONE, S. - SPIESS, L. - REHACEK, V. The Influence of preparation parameters on NiO thin film properties for gas-sensing application. In Sensors and Actuators B : Chemical, 2001, vol. 78, p. 126-132.
Citácie:
1. [1.1] CASTRO-HURTADO, I. - MALAGU, C. - MORANDI, S. - PEREZ, N. - MANDAYO, G.G. - CASTANO, E. In ACTA MATERIALIA. FEB 2013, vol. 61, no. 4, p. 1146-1153., WOS
2. [1.1] GARDUNO-WILCHES, I. - ALONSO, J.C. In INTERNATIONAL JOURNAL OF HYDROGEN ENERGY. APR 1 2013, vol. 38, no. 10, p. 4213-4219., WOS
3. [1.1] GUTIERREZ, A. - DOMINGUEZ-CANIZARES, G. - JIMENEZ, J.A. - PREDA, I. - DIAZ-FERNANDEZ, D. - JIMENEZ-VILLACORTA, F. - CASTRO, G.R. - CHABOY, J. - SORIANO, L. In APPLIED SURFACE SCIENCE. JUL 1 2013, vol. 276, p. 832-837., WOS
4. [1.1] REDDY, A.M. - REDDY, A.S. - REDDY, P.S. In ADVANCES IN NANOSCIENCE AND NANOTECHNOLOGY. 2013, vol. 678, p. 361-364., WOS
- ADCA114 HOTOVÝ, I. - HURAN, Jozef - SPIESS, L. - LIDAY, J. - SITTEK, H. - HAŠČÍK, Štefan. Influence of process parameters and annealing temperature on the physical properties of

- sputtered NiO thin films. In Vacuum, 2002, vol. 69, p. 237-242.
- Citácie:
- [1.1] AWAIS, M. - DINI, D. - MACELROY, J.M.D. - HALPIN, Y. - VOS, J.G. - DOWLING, D.P. In JOURNAL OF ELECTROANALYTICAL CHEMISTRY. JAN 15 2013, vol. 689, p. 185-192., WOS
- ADCA115 HOTOVÝ, I. - BŮC, D. - HAŠČÍK, Štefan - NENNEWITZ, O. Characterization of NiO thin films deposited by reactive sputtering. In Vacuum, 1998, vol. 50, p. 41-44. (0.480 - IF1997). (1998 - Current Contents).
- Citácie:
- [1.1] JANG, W.L. - LU, Y.M. - DONG, C.L. - HWANG, W.S. - HSIEH, P.H. - CHEN, C.L. - CHAN, T.S. In SCIENCE OF ADVANCED MATERIALS. OCT 2013, vol. 5, no. 10, p. 1346-1353., WOS
 - [1.1] KOO, G.H. - JUNG, Y.C. - HAHM, S.H. - JUNG, D.G. - LEE, Y.S. In INFRARED TECHNOLOGY AND APPLICATIONS XXXIX. 2013, vol. 8704., WOS
 - [1.1] OHTSUKI, T. - HARAKO, S. - KOMURO, S. - ZHAO, X.W. In JAPANESE JOURNAL OF APPLIED PHYSICS. JUN 2013, vol. 52, no. 6, 2, SI., WOS
- ADCA116 HOTOVÝ, I. - HURAN, Jozef - SPIESS, L. - ČAPKOVIČ, R. - HAŠČÍK, Štefan. Preparation and characterization of NiO thin films for gas sensor applications. In Vacuum, 2000, vol. 58, p. 300-307. (0.510 - IF1999). (2000 - Current Contents).
- Citácie:
- [1.1] CASTRO-HURTADO, I. - MALAGU, C. - MORANDI, S. - PEREZ, N. - MANDAYO, G.G. - CASTANO, E. In ACTA MATERIALIA. FEB 2013, vol. 61, no. 4, p. 1146-1153., WOS
 - [1.1] DA SILVA, M.R. - SCALVI, L.V.A. - DALL'ANTONIA, L.H. - DOS SANTOS, D.I. In JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS. JUN 2013, vol. 24, no. 6, p. 1823-1831., WOS
 - [1.1] DEORE, M.K. In SENSOR LETTERS. OCT 2013, vol. 11, no. 10, p. 1919-1924., WOS
 - [1.1] EL-KEMARY, M. - NAGY, N. - EL-MEHASSEB, I. In MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING. DEC 2013, vol. 16, no. 6, p. 1747-1752., WOS
 - [1.1] NALAGE, S.R. - CHOUGULE, M.A. - SEN, S. - PATIL, V.B. In JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS. JAN 2013, vol. 24, no. 1, p. 368-375., WOS
 - [1.1] SOLEIMANPOUR, A.M. - HOU, Y. - JAYATISSA, A.H. In SENSORS AND ACTUATORS B-CHEMICAL. JUN 2013, vol. 182, p. 125-133., WOS
 - [1.1] TEOH, L.G. - LI, K.D. In MATERIALS TRANSACTIONS. 2012, vol. 53, no. 12, p. 2135-2140., WOS
- ADCA117 HOTOVÝ, I. - ŘEHÁČEK, V. - MIKA, F. - LALINSKÝ, Tibor - HAŠČÍK, Štefan - VANKO, Gabriel - DRŽÍK, Milan. Gallium arsenide suspended microheater for MEMS sensor arrays. In Microsystem Technologies, 2008, vol. 14, p. 629-635. (0.912 - IF2007).
- Citácie:
- [1.1] BIRO, F. - DUCSO, C. - HAJNAL, Z. - PAP, A.E. - BARSONY, I. In 2013 19TH INTERNATIONAL WORKSHOP ON THERMAL INVESTIGATIONS OF ICS AND SYSTEMS (THERMINIC). 2013, p. 116-121., WOS
- ADCA118 HOTOVÝ, I. - HURAN, Jozef - SPIESS, L. - HAŠČÍK, Štefan - REHACEK, V. Preparation of nickel oxide thin films for gas sensors applications. In Sensors and Actuators B : Chemical, 1999, vol. 57, p. 147-152. (1.130 - IF1998). (1999 - Current Contents).
- Citácie:
- [1.1] AWAIS, M. - DINI, D. - MACELROY, J.M.D. - HALPIN, Y. - VOS, J.G. - DOWLING, D.P. In JOURNAL OF ELECTROANALYTICAL CHEMISTRY. JAN 15 2013, vol. 689, p. 185-192., WOS
 - [1.1] BARAKAT, A. - AL-NOAIMI, M. - SULEIMAN, M. - ALDWAYYAN, A.S. - HAMMOUTI, B. - BEN HADDA, T. - HADDAD, S.F. - BOSHAALA, A. - WARAD, I. In INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES. DEC 2013, vol. 14, no. 12, p. 23941-23954., WOS
 - [1.1] HASAN, N. - AHMAD, F. - WU, H.F. In TALANTA. JAN 15 2013, vol. 103, p. 38-46., WOS

4. [1.1] KHALAJI, A.D. In *JOURNAL OF CLUSTER SCIENCE*. MAR 2013, vol. 24, no. 1, p. 189-195., WOS
5. [1.1] KHALAJI, A.D. In *JOURNAL OF CLUSTER SCIENCE*. MAR 2013, vol. 24, no. 1, p. 209-215., WOS
6. [1.1] LIU, L.X. - GUO, Y.Y. - WANG, Y.P. - YANG, X.J. - WANG, S.X. - GUO, H. In *ELECTROCHIMICA ACTA*. DEC 30 2013, vol. 114, p. 42-47., WOS
7. [1.1] MOLAEI, R. - BAYATI, M.R. - ALIPOUR, H.M. - NORI, S. - NARAYAN, J. In *JOURNAL OF APPLIED PHYSICS*. JUN 21 2013, vol. 113, no. 23., WOS
8. [1.1] NALAGE, S.R. - CHOUGULE, M.A. - SEN, S. - PATIL, V.B. In *JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS*. JAN 2013, vol. 24, no. 1, p. 368-375., WOS
9. [1.1] SAMIEY, B. - FARHADI, S. In *ACTA CHIMICA SLOVENICA*. 2013, vol. 60, no. 4, p. 763-773., WOS
10. [1.1] SHI, J.S. - WU, E.D. In *MICROPOROUS AND MESOPOROUS MATERIALS*. MAR 1 2013, vol. 168, p. 188-194., WOS
11. [1.1] SHIN, Y. - HWANG, Y. - UM, Y. - TUAN, D.A. - CHO, S. - PARK, H. In *JOURNAL OF THE KOREAN PHYSICAL SOCIETY*. SEP 2013, vol. 63, no. 6, p. 1199-1202., WOS
12. [1.1] TEOH, L.G. - LI, K.D. In *MATERIALS TRANSACTIONS*. 2012, vol. 53, no. 12, p. 2135-2140., WOS
13. [1.1] XIE, Q.S. - GUO, H.Z. - ZHANG, X.X. - LU, A.L. - ZENG, D.Q. - CHEN, Y.Z. - PENG, D.L. In *RSC ADVANCES*. 2013, vol. 3, no. 46, p. 24430-24439., WOS
14. [1.2] Wan, M., Verma, S.K., Pandey, D.K., Yadav, R.R.: *Proceedings of the Meetings on Acoustics 19 (2013) 045024*, SCOPUS
15. [1.2] Wu, J.-R., Lin, W.-M., Chen, S.-Z., Zou, H.-B.: *Huanan Ligong Daxue Xuebao/J. South China University of Technology (Natural Sci)* 41 (2013) 135-141+146, SCOPUS
- ADCA119 HOTOVÝ, I. - HURAN, Jozef - SPIESS, L. Characterization of sputtered NiO films using XRD and AFM. In *Journal of Materials Science*. - New York : Springer, 2004, vol. 39, p. 2609-2612. (0.826 - IF2003). (2004 - Current Contents, WOS, SCOPUS). ISSN 0022-2461.
Citácie:
1. [1.1] HORAK, P. - LAVRENTIEV, V. - BEJSOVEC, V. - VACIK, J. - DANIS, S. - VRNATA, M. - KHUN, J. In *EUROPEAN PHYSICAL JOURNAL B*. NOV 13 2013, vol. 86, no. 11., WOS
2. [1.1] LIN, L.Y. - LIU, T.M. - YU, W.J. - GOU, Z.P. - ZENG, W. In *MATERIALS RESEARCH BULLETIN*. JUL 2013, vol. 48, no. 7, p. 2730-2736., WOS
3. [1.1] SAFARI-ALAMUTI, F. - JENNINGS, J.R. - HOSSAIN, M.A. - YUNG, L.Y.L. - WANG, Q. In *PHYSICAL CHEMISTRY CHEMICAL PHYSICS*. 2013, vol. 15, no. 13, p. 4767-4774., WOS
4. [1.2] Wang, W., Li, X., Liu, Y., Zhao, J., Yang, T., Wang, Z., Du, Y., Lu, G.: *Chinese Journal of Sensors Actuators* 26 (2013) 458, SCOPUS
- ADCA120 HRIVNÁK, Ľubomír. Conduction-band discontinuities of strained and unstrained $\text{In}_x\text{Ga}_{1-x}\text{As}$ and $\text{In}_x\text{Ga}_{1-x}\text{As}/\text{InP}$ heterojunctions and quantum wells. In *Physica Status Solidi A*, 1991, vol. 124, p. K111.
Citácie:
1. [1.1] PELA, R.R. - TELES, L.K. - MARQUES, M. - MARTINI, S. In *JOURNAL OF APPLIED PHYSICS*. JAN 21 2013, vol. 113, no. 3., WOS
- ADCA121 HRIVNÁK, Ľubomír. Exciton binding energy as a function of the well width. In *Journal of Applied Physics*, 1992, vol. 72, p. 3218.
Citácie:
1. [1.1] CICHY, B. - BEDNARKIEWICZ, A. - STREK, W. In *JOURNAL OF OPTICS*. AUG 2013, vol. 15, no. 8., WOS
- ADCA122 HRIVNÁK, Ľubomír. Simple calculations of energy levels in quantum wells of lattice-matched semiconductors with nonparabolic bands. In *Journal of Applied Physics*, 1992, vol. 71, p. 4370-4374. (1.731 - IF1991). (1992 - Current Contents, SCOPUS). ISSN 0021-8979.
Citácie:

1. [1.1] GOMES, U.P. - CHEN, Y.Q. - KABI, S. - CHOW, P. - BISWAS, D. In *CURRENT APPLIED PHYSICS*. MAY 2013, vol. 13, no. 3, p. 487-492., WOS
- ADCA123 HUDEC, Boris - HUŠEKOVÁ, Kristína - TARRE, A. - HAN, J.H. - HAN, S. - ROSOVÁ, Alica - LEE, W. - KASIKOV, A. - SONG, S.J. - AARIK, J. - HWANG, C.S. - FRÖHLICH, Karol. Electrical properties of TiO₂-based MIM capacitors deposited by TiCl₄ and TTIP based atomic layer deposition processes. In *Microelectronic Engineering*, 2011, vol. 88, p. 1514-1516. (1.569 - IF2010). (2011 - Current Contents). ISSN 0167-9317.
- Citácie:
1. [1.1] BAYATI, M.R. - JOSHI, S. - NARAYAN, R.J. - NARAYAN, J. In *JOURNAL OF MATERIALS RESEARCH*. JUL 2013, vol. 28, no. 13, SI, p. 1669-1679., WOS
2. [1.1] KACZER, B. - CLIMA, S. - TOMIDA, K. - GOVOREANU, B. - POPOVICI, M. - KIM, M.S. - SWERTS, J. - BELMONTE, A. - WANG, W.C. - AFANAS'EV, V.V. - VERHULST, A.S. - POURTOIS, G. - GROESENEKEN, G. - JURCZAK, M. In *JOURNAL OF VACUUM SCIENCE & TECHNOLOGY B*. JAN 2013, vol. 31, no. 1., WOS
- ADCA124 HUDEC, Boris - HUŠEKOVÁ, Kristína - DOBROČKA, Edmund - AARIK, J. - RAMMULA, R. - KASIKOV, A. - TARRE, A. - VINCZE, A. - FRÖHLICH, Karol. Atomic layer deposition grown metal-insulator-metal capacitors with RuO₂ electrodes and Al-doped rutile TiO₂ dielectric layer. In *Journal of Vacuum Science and Technology B*, 2011, vol. 29, 01AC09. (1.268 - IF2010). (2011 - Current Contents). ISSN 1071-1023.
- Citácie:
1. [1.1] YOTA, J. - SHEN, H. - RAMANATHAN, R. In *JOURNAL OF VACUUM SCIENCE & TECHNOLOGY A*. JAN-FEB 2013, vol. 31, no. 1., WOS
2. [1.2] Yota, J. *Journal of ECS Transactions* 53 (2013) 281, SCOPUS
- ADCA125 HUGHES, T. - YANG, T. - BEDUZ, C. - YI, Z. - JANŠÁK, Lubomil - MAHDI, A.E. - STOLL, R.L. - SYKULSKI, J.K. - HARRIS, M.R. Measurements of self-field AC losses in PbBi-2223 Ag sheathed tapes. In *Physica C*, 1994, vol. 235-240, p. 3423.
- Citácie:
1. [1.1] KRUGER, P. - GRILLI, F. - VOJENCIAK, M. - ZERMENO, V.M.R. - DEMENCIK, E. - FARINON, S. In *APPLIED PHYSICS LETTERS*. MAY 20 2013, vol. 102, no. 20., WOS
- ADCA126 HURAN, Jozef - HOTOVÝ, I. - PETZOLD, J. - BALALYKIN, N.I. - KOBZEV, A.P. Effect of deposition temperature on the properties of amorphous silicon carbide thin films. In *Thin Solid Films*, 2006, vol. 515, p. 651-653. (2006 - Current Contents). ISSN 0040-6090.
- Citácie:
1. [1.1] MEDEIROS, H.S. - PESSOA, R.S. - MACIEL, H.S. - MASSI, M. - TEZANI, L.L. - LEAL, G. - GALVAO, N.K.A.M. - SOBRINHO, A.S.D. In *MICROELECTRONICS TECHNOLOGY AND DEVICES - SBMICRO 2012*. 2012, vol. 49, no. 1, p. 375-382., WOS
2. [1.1] MERAZGA, S. - BRIGHET, A. - KEFFOUS, A. - MIROUH, K. - GUERBOUS, L. - BELKACEM, Y. - KECHOUANE, M. In *INTERNATIONAL JOURNAL OF NANOTECHNOLOGY*. 2013, vol. 10, no. 5-7, p. 587-596., WOS
- ADCA127 HURD, F. - SBORCHIA, C. - SALPIETRO, E. - DUGLUE, D. - KEEFE, C. - BATES, S. - PESENTI, P. - DELLA CORTE, A. - BRUZZONE, P.L. - POLÁK, Milan. Design and manufacture of a full size joint sample (FSJS) for the qualification of the poloidal field (PF) insert coil. In *IEEE Transactions on Applied Superconductivity*, vol. 15, 2005, p. 1379-1382.
- Citácie:
1. [1.1] BONDARENKO, V.I. - EGOROV, B.I. - KLIMCHENKO, Y.A. - KOVALCHUK, O.A. - MARUSHIN, E.L. - MEDNIKOV, A.A. - RODIN, I.Y. - YAROTA, V.M. In *IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY*. JUN 2013, vol. 23, no. 3, 2., WOS
- ADCA128 HUŠEK, Imrich - KOVÁČ, Pavol - MELIŠEK, Tibor - KOPERA, Ľubomír. Transport current densities of MgB₂ wires, cable and continually. In *Cryogenics*, 2009, vol. 49, p. 366-370. (0.915 - IF2008). (2009 - Current Contents). ISSN 0011-2275.
- Citácie:
1. [1.1] CHEADLE, M.J. - WOZNIAK, M. - BROMBERG, L. - GLOWACKI, B.A. -

- ADCA129 *JIANG, X.H. - ZENG, R. - MINERVINI, J.V. - BRISSON, J.G. In IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY. JUN 2013, vol. 23, no. 3, 3., WOS*
HUŠEK, Imrich - KOVÁČ, Pavol. Evaluation of core density during the two-axial rolling of BSCCO/Ag composite. In Superconductor Science and Technology, 2000, vol. 13, p. 385-390. (1.728 - IF1999). (2000 - Current Contents, WOS, SCOPUS). ISSN 0953-2048.
 Citácie:
 1. [1.1] *LU, Y.J. - ZENG, P. In RARE METAL MATERIALS AND ENGINEERING. MAR 2013, vol. 42, no. 3, p. 536-540., WOS*
- ADCA130 HUŠEK, Imrich - KOVÁČ, Pavol - GROVENOR, C.R.M. - GOODSIR, L. Microhardness as a tool for the filament density and metal sheath analysis in MgB₂/Fe/(Cu) wires. In Superconductor Science and Technology, 2004, vol. 17, p. 971-976. (2.247 - IF2003). (2004 - Current Contents, WOS, SCOPUS). ISSN 0953-2048.
 Citácie:
 1. [1.1] *SUN, Y.Y. - ZHANG, P.X. - SULPICE, A. - MOSSANG, E. - LIANG, M. - YAN, G. In JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS. APR 2013, vol. 24, no. 4, p. 1250-1255., WOS*
- ADCA131 HUŠEK, Imrich - KOVÁČ, Pavol - JONES, H. Tensile stress applied to NbTi, Nb₃Sn, Bi-2223 and MgB₂ composite superconductors at room temperature. In Superconductor Science and Technology. - Bristol : IOP Publishing Ltd., 2004, vol. 17, p. 1411-1414. (2.247 - IF2003). (2004 - Current Contents, WOS, SCOPUS). ISSN 0953-2048.
 Citácie:
 1. [1.1] *GUAN, M.Z. - MA, L.Z. - WANG, X.Z. - ZHAO, H.W. - XIN, C.J. In IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY. JUN 2012, vol. 22, no. 3., WOS*
 2. [1.1] *SASAKI, K. - SUGANO, M. - OHKUBO, R. - IINUMA, H. - OGITSU, T. - SAITO, N. - SHIMOMURA, K. - YAMAMOTO, A. In IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY. JUN 2012, vol. 22, no. 3., WOS*
 3. [1.1] *SUN, Y.Y. - WANG, Q.Y. - YANG, F. - XIONG, X.M. - QI, M. - LIANG, M. - YAN, G. - SULPICE, A. - ZHANG, P.X. In PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS. JUL 2012, vol. 477, p. 56-62., WOS*
 4. [1.1] *SUN, Y.Y. - ZHANG, P.X. - SULPICE, A. - MOSSANG, E. - LIANG, M. - YAN, G. In JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS. APR 2013, vol. 24, no. 4, p. 1250-1255., WOS*
 5. [1.2] *Sun, Y. Zhang, P., Wang, Q., Qi, M., Yang, F., Jiao, G., Yan, G.: Materials Science Forum 745-746 (2013) 173, SCOPUS*
- ADCA132 HUŠEKOVÁ, Kristína - HUŠEK, Imrich - KOVÁČ, Pavol - KULICH, Miloslav - DOBROČKA, Edmund - ŠTRBÍK, Vladimír. Properties of MgB₂ superconductor chemically treated by acetic acid. In Physica C, 2010, vol. 470, p. 331-335. (0.723 - IF2009). (2010 - Current Contents, WOS, SCOPUS). ISSN 0921-4534.
 Citácie:
 1. [1.1] *SONG, K.J. - LIM, J.C. - KANG, S. - KO, R.K. - CHUNG, K.C. - YOON, S. - PARK, C. In IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY. JUN 2013, vol. 23, no. 3, 3., WOS*
- ADCA133 HUŠEKOVÁ, Kristína - DOBROČKA, Edmund - ROSOVÁ, Alica - ŠOLTÝS, Ján - ŠATKA, A. - FILLOT, F. - FRÖHLICH, Karol. Growth of RuO₂ thin films by liquid injection atomic layer deposition. In Thin Solid Films, 2010, vol. 518, p. 4701-4704. (1.727 - IF2009). (2010 - Current Contents). ISSN 0040-6090.
 Citácie:
 1. [1.1] *MIKKULAINEN, V. - LESKELA, M. - RITALA, M. - PUURUNEN, R.L. In JOURNAL OF APPLIED PHYSICS. JAN 14 2013, vol. 113, no. 2., WOS*
- ADCA134 CHAYKA, O. - KRAUS, L. - LOBOTKA, Peter - SECHOVSKY, V. - KOCOUREK, T. - JELÍNEK, M. High field magnetoresistance in Co–Al–O nanogranular films. In Journal of Magnetism and Magnetic Materials, 2006, vol. 300, p. 293-299. (0.985 - IF2005). (2006 - Current Contents, WOS, SCOPUS). ISSN 0304-8853.
 Citácie:
 1. [1.1] *YU, T. - ZHANG, Q.T. - LIU, D.P. - HAN, X.F. In APPLIED PHYSICS LETTERS. JAN 14 2013, vol. 102, no. 2., WOS*

- ADCA135 CHEANG-WONG, J.C. - JERTEL, M. - JERTEL, Matej - CHROMIK, Štefan - ŠTRBÍK, Vladimír - FALCONY, C. RBS characterization of MgB₂ superconducting films annealed ex situ and in situ. In Superconductor Science and Technology. - Bristol : IOP Publishing Ltd., 2003, vol. 16, p. 879-884. (2.138 - IF2002). (2003 - Current Contents, WOS, SCOPUS). ISSN 0953-2048.
Citácie:
1. [1.1] SHIBATA, H. - AKAZAKI, T. - TOKURA, Y. In SUPERCONDUCTOR SCIENCE & TECHNOLOGY. MAR 2013, vol. 26, no. 3., WOS
- ADCA136 CHROMIK, Štefan - HURAN, Jozef - ŠTRBÍK, Vladimír - ŠPANKOVÁ, Marianna - VÁVRA, Ivo - BOHNE, W. - ROHRICH, J. - STRUB, E. - KOVÁČ, P. - STANČEK, S. Nanogranular MgB₂ thin films on SiC buffered Si substrates prepared by an in situ method. In Superconductor Science and Technology. - Bristol : IOP Publishing Ltd., 2006, vol. 19, p. 577-580. (1.896 - IF2005). (2006 - Current Contents, WOS, SCOPUS). ISSN 0953-2048.
Citácie:
1. [1.1] SANDU, V. - ALDICA, G. - DAMIAN, R. - GUO, Z.C. - SUO, H.L. In JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM. FEB 2013, vol. 26, no. 2, p. 361-369., WOS
- ADCA137 IAVARONE, M. - KARAPETROV, Goran - FEDOR, Ján - ROSENMAN, D. - NISHIZAKI, T. - KOBAYASHI, N. The local effect of magnetic impurities on superconductivity in CoxNbSe₂ and MnxNbSe₂ single crystals. In Journal of Physics: Condensed Matter, 2010, vol. 22, art. no. 015501. (1.964 - IF2009). (2010 - Current Contents, SCOPUS). ISSN 0953-8984.
Citácie:
1. [1.1] LIANG, J.Q. - LI, C.S. - TANG, H. - ZHANG, Y. - LI, W.J. - HUI, Z.L. - WANG, F. In HYDRAULIC EQUIPMENT AND SUPPORT SYSTEMS FOR MINING. 2013, vol. 619, p. 536-540., WOS
- ADCA138 IAVARONE, M. - KARAPETROV, Goran - FEDOR, Ján - ROSENMAN, D. The spectroscopic signature of the Co magnetic state in CoxNbSe₂ superconducting single crystals. In Superconductor Science and Technology, 2011, vol. 24, 024010. (2.402 - IF2010). (2011 - Current Contents, SCOPUS). ISSN 0953-2048.
Citácie:
1. [1.1] LIANG, J.Q. - LI, C.S. - TANG, H. - ZHANG, Y. - LI, W.J. - HUI, Z.L. - WANG, F. In HYDRAULIC EQUIPMENT AND SUPPORT SYSTEMS FOR MINING. 2013, vol. 619, p. 536-540., WOS
- ADCA139 JANŠÁK, Lubomil - ŽÍŽEK, F. - JELÍNEK, J. - TIMORANSKÝ, Z. - PIEL, H. - POLÁK, Milan. Loss analysis of a model transformer winding. In IEEE Transactions on Applied Superconductivity, 2003, vol. 13, p. 2352-2355.
Citácie:
1. [1.1] NING, W. - DING, X.Q. In PROCEEDINGS OF THE 2012 SECOND INTERNATIONAL CONFERENCE ON INSTRUMENTATION & MEASUREMENT, COMPUTER, COMMUNICATION AND CONTROL (IMCCC 2012). 2012, p. 516-519., WOS
2. [1.2] Haidar, A.M.A., Al-Dabbagh, M. IEEE Potentials 32 (2013), 6512750, pp. 40-48, SCOPUS
3. [1.2] Xiong, L., Zhao, Y., Yang, Z., Song, D., Xi, Z., He, W. Gaodiyanya Jishu/High Voltage Engineering 39 (2013), pp. 265-271, SCOPUS
- ADCA140 JAVORKA, P. - ALAM, A. - MARSO, M. - WOLTER, M. - KUZMÍK, Ján - FOX, A. - HEUKEN, M. - KORDOŠ, Peter. Material and device issues of AlGaIn/GaN HEMTs on silicon substrates. In Microelectronics Journal, 2003, vol. 34, p. 435-437.
Citácie:
1. [1.1] CHANG, S.P. In INTERNATIONAL JOURNAL OF ELECTROCHEMICAL SCIENCE. AUG 2013, vol. 8, no. 8, p. 10280-10292., WOS
2. [1.1] KAUSHIK, J.K. - BALAKRISHNAN, V.R. - PANWAR, B.S. - MURALIDHARAN, R. In SEMICONDUCTOR SCIENCE AND TECHNOLOGY. JAN 2013, vol. 28, no. 1., WOS
3. [1.1] MUKHOPADHYAY, P. - CHOWDHURY, S. - WOWCHAK, A. - DABIRAN, A. - CHOW, P. - BISWAS, D. In JOURNAL OF VACUUM SCIENCE & TECHNOLOGY B.

- MAY 2013, vol. 31, no. 3., WOS*
- ADCA141 JERGEL, Milan. Synthesis of high-Tc superconducting films by deposition from aerosol. In *Superconductor Science and Technology*, 1995, vol. 8, p. 67. (1.530 - IF1994). (1995 - Current Contents, SCOPUS). ISSN 0953-2048.
Citácie:
1. [1.1] AL KHATEEB, S. In *INTERNATIONAL JOURNAL OF MATERIALS RESEARCH*. MAR 2013, vol. 104, no. 3, p. 301-307., WOS
2. [1.1] SANTOS, A.S. - ROJAS, J.R. - MARTINEZ, D. - VERA, E. - VARGAS, C.A.P. - GUERRERO, U.F. In *JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM*. JUN 2013, vol. 26, no. 6, p. 2247-2251., WOS
- ADCA142 KADLEČIKOVÁ, M. - BREZA, J. - JESENÁK, K. - PASTORKOVÁ, K. - LUPTÁKOVÁ, V. - KOLMAČKA, M. - VOJAČKOVÁ, A. - MICHALKA, M. - VÁVRA, Ivo - KRIŽANOVÁ, Zuzana. The growth of carbon nanotubes on montmorillonite and zeolite (clinoptilolite). In *Applied Surface Science*, 2008, vol. 254, p. 5073-5079. (1.410 - IF2007). (2008 - Current Contents). ISSN 0169-4332.
Citácie:
1. [1.1] MAMBRINI, R.V. - SALDANHA, A.L.M. - ARDISSON, J.D. - ARAUJO, M.H. - MOURA, F.C.C. In *APPLIED CLAY SCIENCE*. OCT 2013, vol. 83-84, p. 286-293., WOS
2. [1.1] MANIKANDAN, D. - MANGALARAJA, R.V. - AVILA, R.E. - SIDDHESWARAN, R. - ANATHAKUMAR, S. In *APPLIED CLAY SCIENCE*. JAN 2013, vol. 71, p. 37-41., WOS
- ADCA143 KALLEL, N. - FRÖHLICH, Karol - PIGNARD, S. - OUMEZZINE, M. - VINCENT, H. Structure, magnetic and magnetoresistive properties of La_{0.7}Sr_{0.3}Mn_{1-x}Sn_xO₃ samples (0 = x = 0.20). In *Journal of Alloys and Compounds*, 2005, vol. 399, p. 20-26. ISSN 0925-8388.
Citácie:
1. [1.1] ABDULLAH, H. - ZULFAKAR, M.S. In *JOURNAL OF NANOMATERIALS*. 2013., WOS
- ADCA144 KÁLNA, Karol - MOŠKO, Martin - PEETERS, F.M. Electron capture in GaAs quantum wells via electron-electron and optic phonon scattering. In *Applied Physics Letters*, 1996, vol. 68, no., p. 117. (1996 - Current Contents, SCOPUS). ISSN 0003-6951.
Citácie:
1. [1.1] ZHANG, S. - WANG, T.M. - HAO, M.R. - YANG, Y. - ZHANG, Y.H. - SHEN, W.Z. - LIU, H.C. In *JOURNAL OF APPLIED PHYSICS*. NOV 21 2013, vol. 114, no. 19., WOS
- ADCA145 KÁLNA, Karol - MOŠKO, Martin. Electron capture in quantum wells via scattering by electrons, holes and optical phonons. In *Physical Review B - New York* : APS Publishing, 1996, vol. 54, p. 17730-17733. (2.834 - IF1995). (1996 - Current Contents).
Citácie:
1. [1.1] DANILOV, L.V. - ZEGRYA, G.G. In *SEMICONDUCTORS*. OCT 2013, vol. 47, no. 10, p. 1336-1345., WOS
- ADCA146 KARAPETROV, Goran - MILOSEVIC, M.V. - IAVARONE, M. - FEDOR, Ján - BELKIN, A. - NOVOSAD, V. - PEETERS, F.M. Transverse instabilities of multiple vortex chains in magnetically coupled NbSe₂/permalloy superconductor/ferromagnet bilayers. In *Physical Review B*, 2009, vol. 80, art. no. 180506(R). ISSN 1098-0121.
Citácie:
1. [1.1] BARBA-ORTEGA, J. - JAIMEZ, J.B. - AGUIAR, J.A. In *MODERN PHYSICS LETTERS B*. JUN 20 2013, vol. 27, no. 15., WOS
2. [1.1] CIEPLAK, M.Z. - ADAMUS, Z. - KONCZYKOWSKI, M. - ZHU, L.Y. - CHENG, X.M. - CHIEN, C.L. In *PHYSICAL REVIEW B*. JAN 31 2013, vol. 87, no. 1., WOS
3. [1.1] STAMOPOULOS, D. - ARISTOMENOPOULOU, E. - MANIOS, E. - NIARCHOS, D. In *JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM*. MAY 2013, vol. 26, no. 5, SI, p. 1931-1938., WOS
- ADCA147 KARAPETROV, Goran - FEDOR, Ján - IAVARONNE, M. - MARSHALL, M.T. - DIVAN, R. Imaging of vortex states in mesoscopic superconductors. In *Applied Physics Letters - American Institute of Physics*, 2005, vol. 87., 162515. (4.308 - IF2004). (2005 - Current Contents, SCOPUS). ISSN 0003-6951.
Citácie:

- ADCA148 *1. [1.1] ASAI, H. - WATANABE, S. In PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS. FEB 2013, vol. 485, p. 125-131., WOS*
 KARAPETROV, Goran - FEDOR, Ján - IAVARONNE, M. - ROSENMANN, D. - KWOK, W.K. Direct observation of geometrical phase transitions in mesoscopic superconductors by scanning tunneling microscopy. In Physical Review Letters, 2005, vol. 95, p. 167002. (7.218 - IF2004). (2005 - Current Contents, WOS, SCOPUS). ISSN 0031-9007.
 Citácie:
1. [1.1] ASAI, H. - WATANABE, S. In PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS. FEB 2013, vol. 485, p. 125-131., WOS
2. [1.1] BESPALOV, A.A. - MEL'NIKOV, A.S. In SUPERCONDUCTOR SCIENCE & TECHNOLOGY. AUG 2013, vol. 26, no. 8., WOS
3. [1.1] CIEPLAK, M.Z. - ADAMUS, Z. - KONCZYKOWSKI, M. - ZHU, L.Y. - CHENG, X.M. - CHIEN, C.L. In PHYSICAL REVIEW B. JAN 31 2013, vol. 87, no. 1., WOS
4. [1.1] DROCCO, J.A. - REICHHARDT, C.J.O. - REICHHARDT, C. - BISHOP, A.R. In JOURNAL OF PHYSICS-CONDENSED MATTER. AUG 28 2013, vol. 25, no. 34., WOS
5. [1.1] LEE, M.K. - CHARNAYA, E.V. - TIEN, C. - CHANG, L.J. - KUMZEROV, Y.A. In JOURNAL OF APPLIED PHYSICS. MAR 21 2013, vol. 113, no. 11., WOS
6. [1.1] LIN, S.Z. - REICHHARDT, C. In PHYSICAL REVIEW B. MAR 21 2013, vol. 87, no. 10., WOS
7. [1.1] RAY, D. - REICHHARDT, C.J.O. - JANKO, B. - REICHHARDT, C. In PHYSICAL REVIEW LETTERS. JUN 24 2013, vol. 110, no. 26., WOS
8. [1.1] REICHHARDT, C. - DROCCO, J. - REICHHARDT, C.J.O. - BISHOP, A.R. In JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM. MAY 2013, vol. 26, no. 5, SI, p. 2041-2044., WOS
9. [1.1] REICHHARDT, C.J.O. - REICHHARDT, C. In JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM. MAY 2013, vol. 26, no. 5, SI, p. 2005-2008., WOS
- ADCA149 KARIO, A. - HAESSLER, W. - RODIG, C. - SCHUBERT, M. - KOVÁČ, Pavol - MELIŠEK, Tibor - NAST, R. - GOLDACKER, W. - HOLZAPFEL, B. High energy milled ex situ MgB₂ as precursor for superconducting tapes without critical current anisotropy. In Journal of Superconductivity and Novel Magnetism, 2012, vol. 25, p. 2337-2341. (0.650 - IF2011). (2012 - Current Contents). ISSN 1557-1939.
 Citácie:
1. [1.1] BHADARIA, P.P.S. - GUPTA, A. - KISHAN, H. - NARLIKAR, A.V. In JOURNAL OF APPLIED PHYSICS. FEB 14 2013, vol. 113, no. 6., WOS
- ADCA150 KHUNOVÁ, V. - HURST, Joe - JANIGOVÁ, Ivica - ŠMATKO, Vasilij. Plasma treatment of particulate polymer composites for analyses by scanning electron microscopy. 2. A study of highly filled polypropylene/calcium carbonate composites. In Polymer Testing, 1999, vol. 18, p. 501-509. (0.419 - IF1998). (1999 - Current Contents). ISSN 0142-9418.
 Citácie:
1. [1.1] PENG, Y. - LU, S.T. - HE, Y. - ZHAO, G.B. - ZHANG, Y. - GE, C. Stress-Softening and Interaction in Polydimethylsiloxane/Nano-Calcium Carbonate Networks. In ASIAN JOURNAL OF CHEMISTRY. ISSN 0970-7077, MAY 2013, vol. 25, no. 5, p. 2805-2810., WOS
- ADCA151 KNEPPO, Ivan - ČERVENÁK, Ján. Photodielectric effect in thin film metal-CdTe-metal structures. In Solid-State Electronics. - Oxford : Elsevier, 1972, vol. 15, p. 587-591.
 Citácie:
1. [1.1] ANISIMOVA, N.I. - BORDOVSKY, V.A. - GRABKO, G.I. - CASTRO, R.A. In SEMICONDUCTORS. JUL 2013, vol. 47, no. 7, p. 952-955., WOS
- ADCA152 KOKAVEC, Ján - CESNAK, Ladislav. Mechanical stresses in cylindrical superconducting coils. In Journal of Physics D: Applied Physics, 1977, vol. 10, p. 1451. ISSN 0022-3727.
 Citácie:
1. [1.1] LI, L.K. - WANG, H.S. - NI, Z.P. - CHENG, J.S. - WANG, Q.L. In ACTA PHYSICA SINICA. MAR 2013, vol. 62, no. 5., WOS
- ADCA153 KOPERA, Ľubomír - KOVÁČ, Pavol - HUŠEK, Imrich. Calculated and measured normal state resistivity of 19-filament MgB₂/Ti/Cu/stainless steel wire. In Superconductor Science and Technology, 2012, vol. 25, art. no. 025021. (2.662 - IF2011). (2012 - Current Contents,

WOS, SCOPUS). ISSN 0953-2048.

Citácie:

1. [1.1] ZHOU, C. - OFFRINGA, W. - BERGEN, A. - WESSEL, W.A.J. - KROOSHOOPE, H.J.G. - DHALLE, M. - SUMPTION, M.D. - COLLINGS, E.W. - RINDFLEISCH, M. - TOMSIC, M. - TEN KATE, H.H.J. - NIJHUIS, A. In *SUPERCONDUCTOR SCIENCE & TECHNOLOGY. FEB 2013, vol. 26, no. 2., WOS*

ADCA154 KOPERA, Ľubomír - KOVÁČ, Pavol - CESNAK, Ladislav. Sample holder for measuring of I_c -anisotropy in high magnetic fields. In *Superconductor Science and Technology*, 1997, vol. 10, p. 995. (1.447 - IF1996). (1997 - Current Contents, SCOPUS). ISSN 0953-2048.

Citácie:

1. [1.1] PITEL, J. In *SUPERCONDUCTOR SCIENCE & TECHNOLOGY. DEC 2013, vol. 26, no. 12., WOS*

ADCA155 KOPERA, Ľubomír - KOVÁČ, Pavol - HUŠEK, Imrich. New rolling technique for texturing of Bi(2223)/Ag tapes. In *Superconductor Science and Technology*, 1998, vol. 11, p. 433-436. (2.183 - IF1997). (1998 - Current Contents, WOS, SCOPUS). ISSN 0953-2048.

Citácie:

1. [1.1] TOGANO, K. - GAO, Z.S. - MATSUMOTO, A. - KUMAKURA, H. In *SUPERCONDUCTOR SCIENCE & TECHNOLOGY. NOV 2013, vol. 26, no. 11., WOS*

ADCA156 KOPERA, Ľubomír - MELIŠEK, Tibor - KOVÁČ, Pavol - PITEL, Jozef. The design and performance of a Bi-2223/Ag magnet cooled by a single-stage cryocooler. In *Superconductor Science and Technology*, 2005, vol. 18, p. 977-984. (1.556 - IF2004). (2005 - Current Contents, WOS, SCOPUS). ISSN 0953-2048.

Citácie:

1. [1.1] YOON, S. - CHEON, K. - LEE, H. - MOON, S.H. - HAM, I. - KIM, Y. - PARK, S.H. - JOO, H. - CHOI, K. - HONG, G.W. In *IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY. JUN 2013, vol. 23, no. 3, 2., WOS*

2. [1.1] YOON, S. - CHEON, K. - LEE, H. - MOON, S.H. - KIM, S.Y. - KIM, Y. - PARK, S.H. - CHOI, K. - HONG, G.W. In *PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS. NOV 2013, vol. 494, p. 242-245., WOS*

ADCA157 KOPERA, Ľubomír - KOVÁČ, Pavol - MELIŠEK, Tibor. Compact design of cryogen-free HTS magnet for laboratory use. In *IEEE Transactions on Applied Superconductivity*, 2006, vol. 16, p. 1415-1418. (2006 - Current Contents, SCOPUS).

Citácie:

1. [1.1] YOON, S. - CHEON, K. - LEE, H. - MOON, S.H. - HAM, I. - KIM, Y. - PARK, S.H. - JOO, H. - CHOI, K. - HONG, G.W. In *IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY. JUN 2013, vol. 23, no. 3, 2., WOS*

2. [1.1] YOON, S. - CHEON, K. - LEE, H. - MOON, S.H. - KIM, S.Y. - KIM, Y. - PARK, S.H. - CHOI, K. - HONG, G.W. In *PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS. NOV 2013, vol. 494, p. 242-245., WOS*

ADCA158 KORDOŠ, Peter - HEIDELBERG, G. - BERNÁT, J. - FOX, A. - MARSO, M. - LUTH, H. High-power SiO₂/AlGa_N/Ga_N metal-insulator-semiconductor heterostructure field-effect transistors. In *Applied Physics Letters*, 2005, vol. 87, p. 143501-143504. (4.308 - IF2004). (2005 - Current Contents, SCOPUS). ISSN 0003-6951.

Citácie:

1. [1.1] ANAND, M.J. - NG, G.I. - VICKNESH, S. - ARULKUMARAN, S. - RANJAN, K. In *PHYSICA STATUS SOLIDI C: CURRENT TOPICS IN SOLID STATE PHYSICS, VOL 10, NO 11. 2013, vol. 10, no. 11, p. 1421-1425., WOS*

2. [1.1] LIN, R.M. - CHU, F.C. - DAS, A. - LIAO, S.Y. - SU, V.C. In *JAPANESE JOURNAL OF APPLIED PHYSICS. NOV 2013, vol. 52, no. 11, 1., WOS*

3. [1.1] LIU, H.Y. - CHOU, B.Y. - HSU, W.C. - LEE, C.S. - SHEU, J.K. - HO, C.S. In *IEEE TRANSACTIONS ON ELECTRON DEVICES. JAN 2013, vol. 60, no. 1, p. 213-220., WOS*

4. [1.1] YOSHITSUGU, K. - HORITA, M. - ISHIKAWA, Y. - URAOKA, Y. In *PHYSICA STATUS SOLIDI C: CURRENT TOPICS IN SOLID STATE PHYSICS, VOL 10, NO 11. 2013, vol. 10, no. 11, p. 1426-1429., WOS*

ADCA159 KORDOŠ, Peter - BERNÁT, J. - MARSO, M. - LUTH, H. - RAMPAZZO, F. - TAMIAZZO, G. - PIEROBON, R. - MENEGHESSO, G. Influence of gate-leakage current

on drain current collapse of unpassivated GaN/AlGa_N/Ga_N high electron mobility transistors. In Applied Physics Letters, vol. 86, 2005, p. 253511. ISSN 0003-6951.

Citácie:

1. [1.1] *FREESE, A. - GRUBE, M. - WACHOWIAK, A. - GEIDEL, M. - ADOLPHI, B. - SCHMULT, S. - MIKOLAJICK, T. In JOURNAL OF VACUUM SCIENCE & TECHNOLOGY B. MAY 2013, vol. 31, no. 3., WOS*

ADCA160 KORDOŠ, Peter - MARSO, M. - MIKULICS, M. Performance optimization of GaAs-based photomixers as sources of terahertz radiation. In Applied Physics A-Materials Science & Processing, 2007, vol. 87, p. 563-567. (1.739 - IF2006). (2007 - Current Contents). ISSN 0947-8396.

Citácie:

1. [1.1] *DENINGER, A. In HANDBOOK OF TERAHERTZ TECHNOLOGY FOR IMAGING AND COMMUNICATIONS. 2013, no. 34, p. 327-373., WOS*

2. [1.1] *KHIABANI, N. - HUANG, Y. - SHEN, Y.C. - SAJAK, A.A. In 2013 LOUGHBOROUGH ANTENNAS AND PROPAGATION CONFERENCE (LAPC). 2013, p. 307-310., WOS*

3. [1.1] *MISSOUS, M. In HANDBOOK OF TERAHERTZ TECHNOLOGY FOR IMAGING, SENSING AND COMMUNICATIONS. 2013, no. 34, p. 464-489., WOS*

ADCA161 KORDOŠ, Peter - ŠKRINIAROVÁ, J. - CHVÁLA, A. - FLOROVIČ, M. - KOVÁČ, Jaroslav - DONOVAL, D. Electrical and optical characterization of Ni/Al_{0,3}Ga_{0,7}N/GaN Schottky barrier diodes. In Journal of Electronic Materials, 2012, vol. 41, p. 3017-3020. (1.466 - IF2011). (2012 - Current Contents). ISSN 0361-5235.

Citácie:

1. [1.1] *GASSOUMI, M. - MOSBAHI, H. - SOLTANI, A. - SBRUGNERA-AVRAMOVIC, V. - ZAIDI, M.A. - GAQUIERE, C. - MEJRI, H. - MAAREF, H. In MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING. DEC 2013, vol. 16, no. 6, p. 1775-1778., WOS*

2. [1.1] *NAKAMURA, A. - SUGIYAMA, M. - FUJII, K. - NAKANO, Y. In JAPANESE JOURNAL OF APPLIED PHYSICS. AUG 2013, vol. 52, no. 8, 2, SI., WOS*

3. [1.1] *SHARMIN, S. - MURAKI, K. - FUJISAWA, T. In JAPANESE JOURNAL OF APPLIED PHYSICS. NOV 2013, vol. 52, no. 11, 1., WOS*

ADCA162 KORDOŠ, Peter - MARSO, M. - MEYER, R. - LUTH, H. Schottky barrier height enhancement on n-InGaAs. In Journal of Applied Physics. - New York : American Institute of Physics, 1992, vol. 72, p. 2347. (1.731 - IF1991). (1992 - Current Contents, SCOPUS). ISSN 0021-8979.

Citácie:

1. [1.1] *CHAND, S. - KAUSHAL, P. - OSVALD, J. In MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING. APR 2013, vol. 16, no. 2, p. 454-460., WOS*

ADCA163 KORDOŠ, Peter - MARSO, M. - FÖRSTER, A. - DARMO, Juraj - BETKO, Július - NIMTZ, G. Space-charge controlled conduction in low-temperature-grown molecular-beam epitaxial GaAs. In Applied Physics Letters, 1997, vol. 71, no., p. 1118. (3.092 - IF1996). (1997 - Current Contents, SCOPUS). ISSN 0003-6951.

Citácie:

1. [1.1] *DUBECKY, F. - DUBECKY, M. - HUBIK, P. - KINDL, D. - GOMBIA, E. - BALDINI, M. - NECAS, V. In SOLID-STATE ELECTRONICS. APR 2013, vol. 82, p. 72-76., WOS*

ADCA164 KORDOŠ, Peter - MARSO, M. - MEYER, R. - LUTH, H. Barrier height enhancement of (n) In_{0.53}Ga_{0.47}As Schottky diodes grown by MO CVD technique. In Electronics Letters, 1991, vol. 27, p. 1759.

Citácie:

1. [1.1] *CHAND, S. - KAUSHAL, P. - OSVALD, J. In MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING. APR 2013, vol. 16, no. 2, p. 454-460., WOS*

ADCA165 KORDOŠ, Peter - GREGUŠOVÁ, Dagmar - STOKLAS, Roman - GAŽI, Štefan - NOVÁK, Jozef. Transport properties of AlGa_N/Ga_N metal-oxide-semiconductor heterostructure field-effect transistors with Al₂O₃ different thickness. In Solid-State Electronics, 2008, vol. 52, p. 973-979. (1.260 - IF2007). ISSN 0038-1101.

Citácie:

1. [1.1] *HUNG, T.H. - KRISHNAMOORTHY, S. - ESPOSTO, M. - NATH, D.N. - PARK,*

2. [1.1] *JI, D. - LU, Y.W. - LIU, B. - LIU, G.P. - ZHU, Q.S. - WANG, Z.G. In THIN SOLID FILMS. MAY 1 2013, vol. 534, p. 655-658., WOS*
3. [1.1] *KAMBAYASHI, H. - NOMURA, T. - UEDA, H. - HARADA, K. - MOROZUMI, Y. - HASEBE, K. - TERAMOTO, A. - SUGAWA, S. - OHMI, T. In JAPANESE JOURNAL OF APPLIED PHYSICS. APR 2013, vol. 52, no. 4, 2, SI., WOS*
4. [1.1] *LIU, X. - YELURI, R. - KIM, J. - LAL, S. - RAMAN, A. - LUND, C. - WIENECKE, S. - LU, J. - LAURENT, M. - KELLER, S. - MISHRA, U.K. In APPLIED PHYSICS LETTERS. JUL 29 2013, vol. 103, no. 5., WOS*
5. [1.1] *MENG, D. - LIN, S.X. - WEN, C.P. - WANG, M.J. - WANG, J.Y. - HAO, Y.L. - ZHANG, Y.H. - LAU, K.M. - WU, W.G. In IEEE ELECTRON DEVICE LETTERS. JUN 2013, vol. 34, no. 6, p. 738-740., WOS*
6. [1.1] *OSVALD, J. In JOURNAL OF ELECTRONIC MATERIALS. JUN 2013, vol. 42, no. 6, p. 1184-1189., WOS*
7. [1.1] *OSVALD, J. In PHYSICA STATUS SOLIDI A-APPLICATIONS AND MATERIALS SCIENCE. JUL 2013, vol. 210, no. 7, p. 1340-1344., WOS*
8. [1.1] *PANG, L. - KIM, K. In 2013 IEEE POWER AND ENERGY CONFERENCE AT ILLINOIS (PECI). 2013, p. 8-12., WOS*
9. [4] *Osvald, J.: ADEPT 2013. Žilina: Univ. Žilina 2013. ISBN 978-80-554-0689-3. P. 36.*

ADCA166 KORDOŠ, Peter - DONOVAL, D. - FLOROVÍČ, M. - KOVÁČ, Ján - GREGUŠOVÁ, Dagmar. Investigation of trap effects in AlGaIn/GaN field-effect transistors by temperature dependent threshold voltage analysis. In Applied Physics Letters, 2008, vol. 92, art. no. 152113. (3.596 - IF2007). (2008 - Current Contents, WOS, SCOPUS). ISSN 0003-6951.

Citácie:

1. [1.1] *KIM, S. - KIM, H.J. - CHOI, S. - LOCHNER, Z. - RYOU, J.H. - DUPUIS, R.D. - AHN, K.S. - KIM, H. In JAPANESE JOURNAL OF APPLIED PHYSICS. OCT 2013, vol. 52, no. 10, 2, SI., WOS*
2. [1.1] *MA, L.H. - HAN, W.H. - WANG, H. - LI, X.M. - YANG, F.H. In JOURNAL OF APPLIED PHYSICS. SEP 28 2013, vol. 114, no. 12., WOS*
3. [1.1] *MA, X.H. - ZHU, J.J. - LIAO, X.Y. - YUE, T. - CHEN, W.W. - HAO, Y. In APPLIED PHYSICS LETTERS. JUL 15 2013, vol. 103, no. 3., WOS*
4. [1.1] *PEREZ-TOMAS, A. - FONTSERE, A. - SANCHEZ, S. - JENNINGS, M.R. - GAMMON, P.M. - CORDIER, Y. In APPLIED PHYSICS LETTERS. JAN 14 2013, vol. 102, no. 2., WOS*

ADCA167 KORDOŠ, Peter - KÚDELA, Róbert - STOKLAS, Roman - ČIČO, Karol - MIKULICS, M. - GREGUŠOVÁ, Dagmar - NOVÁK, Jozef. Aluminium oxide as passivation and gate insulator in GaAs-based field-effect transistors prepared in situ by metal-organic vapor deposition. In Applied Physics Letters, 2012, vol. 100, art. no. 142113. (3.844 - IF2011). (2012 - Current Contents). ISSN 0003-6951.

Citácie:

1. [1.1] *WANG, L.S. - XU, J.P. - ZHU, S.Y. - HUANG, Y. - LAI, P.T. In APPLIED PHYSICS LETTERS. AUG 26 2013, vol. 103, no. 9., WOS*

ADCA168 KORDOŠ, Peter - STOKLAS, Roman - GREGUŠOVÁ, Dagmar - GAŽI, Štefan - NOVÁK, Jozef. Trapping effects in Al₂O₃/AlGaIn/GaN metal-oxide-semiconductor heterostructure field-effect transistor investigated by temperature dependent conductance measurement. In Applied Physics Letters, 2010, vol. 96, art. no. 013505. (3.554 - IF2009). (2010 - Current Contents, SCOPUS). ISSN 0003-6951.

Citácie:

1. [1.1] *ZHANG, K. - XUE, J.S. - CAO, M. - YANG, L.Y. - CHEN, Y.H. - ZHANG, J.C. - MA, X.H. - HAO, Y. In JOURNAL OF APPLIED PHYSICS. MAY 7 2013, vol. 113, no. 17., WOS*

ADCA169 KORDOŠ, Peter - STOKLAS, Roman - GREGUŠOVÁ, Dagmar - NOVÁK, Jozef. Characterization of AlGaIn/GaN metal-oxide-semiconductor field-effect transistors by frequency dependent conductance analysis. In Applied Physics Letters, 2009, vol. 94, art. no. 223512. (3.726 - IF2008). (2009 - Current Contents, SCOPUS). ISSN 0003-6951.

Citácie:

1. [1.1] ANAND, M.J. - NG, G.I. - VICKNESH, S. - ARULKUMARAN, S. - RANJAN, K. In *PHYSICA STATUS SOLIDI C: CURRENT TOPICS IN SOLID STATE PHYSICS, VOL 10, NO 11. 2013*, vol. 10, no. 11, p. 1421-1425., WOS
2. [1.1] FIORENZA, P. - GRECO, G. - FISICHELLA, G. - ROCCAFORTE, F. - MALANDRINO, G. - LO NIGRO, R. In *APPLIED PHYSICS LETTERS. SEP 9 2013*, vol. 103, no. 11., WOS
3. [1.1] LO NIGRO, R. - FIORENZA, P. - CATALANO, M.R. - FISICHELLA, G. - ROCCAFORTE, F. - MALANDRINO, G. In *SURFACE & COATINGS TECHNOLOGY. SEP 15 2013*, vol. 230, p. 152-162., WOS
4. [1.1] MA, X.H. - ZHU, J.J. - LIAO, X.Y. - YUE, T. - CHEN, W.W. - HAO, Y. In *APPLIED PHYSICS LETTERS. JUL 15 2013*, vol. 103, no. 3., WOS
5. [1.1] PEREZ-TOMAS, A. - FONTSERE, A. - SANCHEZ, S. - JENNINGS, M.R. - GAMMON, P.M. - CORDIER, Y. In *APPLIED PHYSICS LETTERS. JAN 14 2013*, vol. 102, no. 2., WOS
6. [1.1] YE, G. - WANG, H. - ARULKUMARAN, S. - NG, G.I. - HOFSTETTER, R. - LI, Y. - ANAND, M.J. - ANG, K.S. - MAUNG, Y.K.T. - FOO, S.C. In *APPLIED PHYSICS LETTERS. SEP 30 2013*, vol. 103, no. 14., WOS
7. [1.1] ZHANG, K. - XUE, J.S. - CAO, M. - YANG, L.Y. - CHEN, Y.H. - ZHANG, J.C. - MA, X.H. - HAO, Y. In *JOURNAL OF APPLIED PHYSICS. MAY 7 2013*, vol. 113, no. 17., WOS

ADCA170 KORDOŠ, Peter - MIKULICS, M. - FOX, A. - GREGUŠOVÁ, Dagmar - ČIČO, Karol - CARLIN, J.-F. - GRANDJEAN, N. - NOVÁK, Jozef - FRÖHLICH, Karol. RF performance of InAlN/GaN HFETs and MOSHFETs with $fT \times LG$ up to 21 GHz $\cdot \mu\text{m}$. In *IEEE Electron Devices Letters*, 2010, vol. 31, p. 180-182. (2.605 - IF2009). (2010 - Current Contents). ISSN 0741-3106.

Citácie:

1. [1.1] LEE, K.W. - CHEN, W.S. In *ECS SOLID STATE LETTERS. 2013*, vol. 2, no. 2, p. Q9-Q11., WOS
2. [1.1] LIU, H.Y. - LEE, C.S. - HSU, W.C. - TSENG, L.Y. - CHOU, B.Y. - HO, C.S. - WU, C.L. In *IEEE TRANSACTIONS ON ELECTRON DEVICES. JUL 2013*, vol. 60, no. 7, p. 2231-2237., WOS
3. [1.1] LIU, L. - LO, C.F. - XI, Y.Y. - WANG, Y.X. - KIM, H.Y. - KIM, J. - PEARTON, S.J. - LABOUTIN, O. - CAO, Y. - JOHNSON, J.W. - KRAVCHENKO, I.I. - REN, F. In *GALLIUM NITRIDE MATERIALS AND DEVICES VIII. 2013*, vol. 8625., WOS
4. [1.1] RENNESSON, S. - LECOURT, F. - DEFRANCE, N. - CHMIELOWSKA, M. - CHENOT, S. - LESECQ, M. - HOEL, V. - OKADA, E. - CORDIER, Y. - DE JAEGER, J.C. In *IEEE TRANSACTIONS ON ELECTRON DEVICES. OCT 2013*, vol. 60, no. 10, SI, p. 3105-3111., WOS

ADCA171 KORDOŠ, Peter - GREGUŠOVÁ, Dagmar - STOKLAS, Roman - ČIČO, Karol - NOVÁK, Jozef. Improved transport properties of Al₂O₃/AlGa_N/Ga_N metal-oxide-semiconductor heterostructure field-effect transistor. In *Applied Physics Letters*, 2007, vol. 90, art. no. 123513. (3.977 - IF2006). (2007 - Current Contents, SCOPUS). ISSN 0003-6951.

Citácie:

1. [1.1] LIU, H.Y. - CHOU, B.Y. - HSU, W.C. - LEE, C.S. - SHEU, J.K. - HO, C.S. In *IEEE TRANSACTIONS ON ELECTRON DEVICES. JAN 2013*, vol. 60, no. 1, p. 213-220., WOS
2. [1.1] LIU, X.Z. - CHEN, C. - ZHU, J. - ZHANG, W.L. - LI, Y.R. In *JOURNAL OF APPLIED PHYSICS. JUL 14 2013*, vol. 114, no. 2., WOS
3. [1.1] SEOK, O. - AHN, W. - HAN, M.K. - HA, M.W. In *SEMICONDUCTOR SCIENCE AND TECHNOLOGY. FEB 2013*, vol. 28, no. 2., WOS
4. [1.1] TAPAJNA, M. - KUZMIK, J. In *JAPANESE JOURNAL OF APPLIED PHYSICS. AUG 2013*, vol. 52, no. 8, 2, SI., WOS
5. [1.1] TIAN, B.L. - CHEN, C. - ZHANG, J.H. - ZHANG, W.L. - LIU, X.Z. In *CHINESE PHYSICS LETTERS. FEB 2013*, vol. 30, no. 2., WOS
6. [1.2] Tian B.-L. Chen, C., Zhang, W., Liu, X. *Journal of Semiconductors* 34 (2013) 094003, SCOPUS

ADCA172 KORDOŠ, Peter - JANŠÁK, Lubomil - BENČ, Viliam. Preparation and properties of doped

- epitaxial GaAs. In Solid-State Electronics, 1975, vol. 18, p. 223. ISSN 0038-1101.
- Citácie:
- [1.1] MATSUKURA, F. - OHNO, H. In *MOLECULAR BEAM EPITAXY: FROM RESEARCH TO MASS PRODUCTION*. 2013, p. 477-486., WOS
 - [1.2] Matsukura, F., Ohno, H. *Nanomagnetism and Spintronics: Second Edition* Elsevier Inc. 2013. ISBN: 978-044463279-1 pp. 315-358, SCOPUS
- ADCA173 KORPELA, A. - KALLIOHAKA, T. - LEHTONEN, J. - MIKKONEN, R. - PITEL, Jozef - KOVÁČ, Pavol. Relation between different critical current criteria and quench current in HTS magnets. In Physica C, 2002, vol. 372-376, p. 1360-1363. (0.806 - IF2001). (2002 - Current Contents, WOS, SCOPUS). ISSN 0921-4534.
- Citácie:
- [1.1] NAGASAKI, Y. - NAKAMURA, T. - FUNAKI, I. - ASHIDA, Y. - YAMAKAWA, H. In *IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY*. JUN 2013, vol. 23, no. 3, 2., WOS
- ADCA174 KORYTÁR, Dušan - FERRARI, C. - BOCHNÍČEK, Z. X-ray multiple-beam analysis in high-resolution diffractometry of III-V heterostructures. In Journal of Applied Crystallography, 1998, vol. 31, p. 570-574. (1.988 - IF1997). (1998 - Current Contents). ISSN 0021-8898.
- Citácie:
- [1.1] KYUTT, R. - SCHEGLOV, M. In *JOURNAL OF APPLIED CRYSTALLOGRAPHY*. AUG 2013, vol. 46, 4, p. 861-867., WOS
 - [1.1] KYUTT, R.N. - SCHEGLOV, M.P. In *PHYSICA STATUS SOLIDI C: CURRENT TOPICS IN SOLID STATE PHYSICS, VOL 10, NO 3*. 2013, vol. 10, no. 3, p. 476-480., WOS
- ADCA175 KORYTÁR, Dušan - HRIVNÁK, M. Experimental and computer simulated makyoh images of semiconductor wafers. In Japanese Journal of Applied Physics, 1993, vol. 32, p. 693.
- Citácie:
- [1.1] RIESZ, F. In *JOURNAL OF OPTICS*. JUL 2013, vol. 15, no. 7., WOS
- ADCA176 KOVÁČ, Ján - ŠOUC, Ján - KOVÁČ, Pavol. Experimental study of the AC magnetization loss in MgB2 superconducting wires at different temperatures. In Physica C, 2012, vol. 475, p. 1-4. (1.014 - IF2011). (2012 - Current Contents, WOS, SCOPUS). ISSN 0921-4534.
- Citácie:
- [1.1] TAXT, H. - MAGNUSSON, N. - RUNDE, M. - BRISIGOTTI, S. In *IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY*. JUN 2013, vol. 23, no. 3, 3., WOS
- ADCA177 KOVÁČ, Pavol - REISSNER, M. - MELIŠEK, Tibor - HUŠEK, Imrich - MOHAMMAD, S. Current densities of MgB2 wires by combined ex situ/in situ process. In Journal of Applied Physics, 2009, vol. 106, art. no. 013910. (2.201 - IF2008). (2009 - Current Contents, WOS, SCOPUS). ISSN 0021-8979.
- Citácie:
- [1.1] MARTINEZ, E. - NAVARRO, R. - ANDRES, J.M. In *SUPERCONDUCTOR SCIENCE & TECHNOLOGY*. DEC 2013, vol. 26, no. 12., WOS
- ADCA178 KOVÁČ, Pavol - MARTINEZ, E. - MELIŠEK, Tibor - KOPERA, Ľubomír - HUŠEK, Imrich. Stability of multi-core MgB2/Ti/Cu/SS wires. In Cryogenics, 2011, vol. 31, p. 16-20. (1.130 - IF2010). (2011 - Current Contents). ISSN 0011-2275.
- Citácie:
- [1.1] ZHOU, C. - OFFRINGA, W. - BERGEN, A. - WESSEL, W.A.J. - KROOSHOO, H.J.G. - DHALLE, M. - SUMPTION, M.D. - COLLINGS, E.W. - RINDFLEISCH, M. - TOMSIC, M. - TEN KATE, H.H.J. - NIJHUIS, A. In *SUPERCONDUCTOR SCIENCE & TECHNOLOGY*. FEB 2013, vol. 26, no. 2., WOS
- ADCA179 KOVÁČ, Pavol - MELIŠEK, Tibor - HUŠEK, Imrich. Transport I-c measurement technique with non-soldered contacts for Ag-sheathed high T-c superconductors. In Cryogenics. - Oxford : Elsevier, 1997, vol. 37, p. 177-178. (0.486 - IF1996). (1997 - Current Contents, WOS, SCOPUS).
- Citácie:
- [1.1] PITEL, J. In *SUPERCONDUCTOR SCIENCE & TECHNOLOGY*. DEC 2013, vol. 26, no. 12., WOS

- ADCA180 KOVÁČ, Pavol - HUŠEK, Imrich - KOPERA, Ľubomír. Application of two-axial rolling for multicore Bi(2223)/Ag tapes. In Superconductor Science and Technology, 1997, vol. 10, p. 982. (1.447 - IF1996). (1997 - Current Contents, SCOPUS). ISSN 0953-2048.
Citácie:
1. [1.1] JIANG, J.Y. - MIAO, H.P. - HUANG, Y.B. - HONG, S. - PARRELL, J.A. - SCHEUERLEIN, C. - DI MICHIEL, M. - GHOSH, A.K. - TROCIIEWITZ, U.P. - HELLSTROM, E.E. - LARBALESTIER, D.C. In IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY. JUN 2013, vol. 23, no. 3, 3., WOS
- ADCA181 KOVÁČ, Pavol - HUŠEK, Imrich - PACHLA, W. Ceramic core density and homogeneity in BSCCO/Ag tapes. In IEEE Transactions on Applied Superconductivity, 1997, vol. 7, p. 2098. (0.763 - IF1996). (1997 - Current Contents).
Citácie:
1. [1.1] YAO, C. - MA, Y.W. - ZHANG, X.P. - WANG, D.L. - WANG, C.L. - LIN, H. - ZHANG, Q.J. In APPLIED PHYSICS LETTERS. FEB 25 2013, vol. 102, no. 8., WOS
- ADCA182 KOVÁČ, Pavol - HUŠEK, Imrich - MELIŠEK, Tibor. Transport currents of two-axially rolled and postannealed MgB₂/Fe wires at 4.2K. In Superconductor Science and Technology, 2002, vol. 15, p. 1340-1344. (1.511 - IF2001). (2002 - Current Contents, WOS, SCOPUS). ISSN 0953-2048.
Citácie:
1. [1.1] LYLly, M. - LAHTINEN, V. - STENVALL, A. - TARHASAARI, T. - MIKKONEN, R. In IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY. FEB 2013, vol. 23, no. 1., WOS
- ADCA183 KOVÁČ, Pavol - DHALLÉ, M. - MELIŠEK, Tibor - VAN ECK, H.J.N. - WESSEL, W.A.J. - HAKEN, B. - HUŠEK, Imrich. Dependence of the critical current in ex situ multi- and mono-filamentary MgB₂/Fe wires on axial tension and compression. In Superconductor Science and Technology, 2003, vol. 16, p. 600-607. (2.138 - IF2002). (2003 - Current Contents, WOS, SCOPUS). ISSN 0953-2048.
Citácie:
1. [1.1] WANG, Q.Y. - YAN, G. - ZHANG, P.X. - SULPICE, A. - YANG, F. - XIONG, X.M. - FENG, J.Q. - JI, P. - LI, C.S. In PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS. JAN 2013, vol. 484, p. 163-166., WOS
- ADCA184 KOVÁČ, Pavol - HUŠEK, Imrich - MELIŠEK, Tibor - GRIVEL, J.C. - PACHLA, W. - ŠTRBÍK, Vladimír - DIDUSZKO, R. - HOMMEYER, J. - ANDERSEN, N.H. The role of MgO content in ex situ MgB₂ wires. In Superconductor Science and Technology, 2004, vol. 17, p. L41-L46. (2.247 - IF2003). (2004 - Current Contents, WOS, SCOPUS). ISSN 0953-2048.
Citácie:
1. [1.1] JANG, J.J. - AHN, J.H. In PROCEEDINGS OF THE 25TH INTERNATIONAL SYMPOSIUM ON SUPERCONDUCTIVITY (ISS2012). 2013, vol. 45, p. 97-100., WOS
- ADCA185 KOVÁČ, Pavol - MELIŠEK, Tibor - DHALLÉ, M. - DEN OUDEN, A. - HUŠEK, Imrich. Critical currents of MgB₂ wires prepared in situ and ex situ subjected to axial stress. In Superconductor Science and Technology. - Bristol : IOP Publishing Ltd., 2005, vol. 18, p. 1374-1379. (1.556 - IF2004). (2005 - Current Contents, WOS, SCOPUS). ISSN 0953-2048.
Citácie:
1. [1.1] LI, C.S. - YAN, G. - WANG, Q.Y. - JIAO, G.F. - SULPICE, A. - YANG, F. - XIONG, X.M. - LIU, G.Q. - FENG, J.Q. - FENG, Y. - ZHANG, P.X. In PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS. NOV 2013, vol. 494, p. 177-180., WOS
2. [1.1] NARDELLI, D. - MATERA, D. - VIGNOLO, M. - BOVONE, G. - PALENZONA, A. - SIRI, A.S. - GRASSO, G. In SUPERCONDUCTOR SCIENCE & TECHNOLOGY. JUL 2013, vol. 26, no. 7., WOS
- ADCA186 KOVÁČ, Pavol - HUŠEK, Imrich - MELIŠEK, Tibor - GROVENOR, C.R.M. - HAIGH, S. - JONES, H. Improvement of the current carrying capability of ex situ MgB₂ wires by normal particle additions. In Superconductor Science and Technology. - Bristol : IOP Publishing Ltd., 2004, vol. 17, p. 1225-1230. (2.247 - IF2003). (2004 - Current Contents, WOS, SCOPUS). ISSN 0953-2048.
Citácie:

1. [1.1] *TRIPATHI, D. - DEY, T.K. In JOURNAL OF APPLIED PHYSICS. SEP 7 2013, vol. 114, no. 9., WOS*
- ADCA187 KOVÁČ, Pavol - MASTI, M. - LEHTONEN, J. - KOPERA, Ľubomír - KAWANO, K. - ABELL, Sam - METZ, B. - DHALLÉ, M. Comparison and analysis of Hall probe scanning, magneto-optical imaging and magnetic knife measurements of Bi-2223/Ag tape. In Superconductor Science and Technology. - Bristol : IOP Publishing Ltd., 2005, vol. 18, p. 805-812. (1.556 - IF2004). (2005 - Current Contents, WOS, SCOPUS). ISSN 0953-2048.
Citácie:
1. [1.1] *NAKAO, K. - HIRATA, N. - ITOH, A. - MURAYAMA, Y. - SEKI, T. - MACHI, T. - TANABE, K. In SUPERCONDUCTOR SCIENCE & TECHNOLOGY. MAY 2013, vol. 26, no. 5., WOS*
- ADCA188 KOVÁČ, Pavol - HUŠEK, Imrich - MELIŠEK, Tibor - AHORANTA, M. - ŠOUC, Ján - LEHTONEN, J. - GÖMÖRY, Fedor. Magnetic interaction of iron sheath with superconductor. In Superconductor Science and Technology, 2003, vol. 16, p. 1195-1201. (2.138 - IF2002). (2003 - Current Contents, WOS, SCOPUS).
Citácie:
1. [1.1] *AINSLIE, M.D. - YUAN, W.J. - FLACK, T.J. In IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY. JUN 2013, vol. 23, no. 3, 2., WOS*
- ADCA189 KOVÁČ, Pavol - HUŠEK, Imrich - KOPERA, Ľubomír - MELIŠEK, Tibor - ROSOVÁ, Alica - DOBROČKA, Edmund. Properties of in situ made MgB₂ in Nb or Ti sheath. In Superconductor Science and Technology, 2013, vol. 26, 025007. (2.758 - IF2012). (2013 - Current Contents, WOS, SCOPUS). ISSN 0953-2048.
Citácie:
1. [1.1] *LI, G.Z. - SUMPTION, M.D. - ZWAYER, J.B. - SUSNER, M.A. - RINDFLEISCH, M.A. - THONG, C.J. - TOMSIC, M.J. - COLLINGS, E.W. In SUPERCONDUCTOR SCIENCE & TECHNOLOGY. SEP 2013, vol. 26, no. 9., WOS*
- ADCA190 KOVÁČ, Pavol - HUŠEK, Imrich - SKÁKALOVÁ, V. - MEYER, J. - DOBROČKA, Edmund - HIRSCHER, M. - ROTH, S. Transport current improvements of in-situ MgB₂ tapes by the addition of carbon nanotubes, silicon carbide or graphite. In Superconductor Science and Technology, 2007, vol. 20, p. 105-111. (1.440 - IF2006). (2007 - Current Contents, SCOPUS). ISSN 0953-2048.
Citácie:
1. [1.1] *NOVOSEL, N. - GALIC, S. - PAJIC, D. - SKOKO, Z. - LONCAREK, I. - MUSTAPIC, M. - ZADRO, K. - BABIC, E. In SUPERCONDUCTOR SCIENCE & TECHNOLOGY. OCT 2013, vol. 26, no. 10., WOS*
- ADCA191 KOVÁČ, Pavol - HUŠEK, Imrich - KULICH, Miloslav - MELIŠEK, Tibor - HUŠEKOVÁ, Kristína - DOBROČKA, Edmund. Effects influencing the grain connectivity in ex-situ MgB₂ wires. In Physica C, 2010, vol. 470, p. 340-344. (0.723 - IF2009). (2010 - Current Contents, WOS, SCOPUS). ISSN 0921-4534.
Citácie:
1. [1.1] *AKAMARU, S. - ISHIKAWA, F. - NISHIMURA, K. - ABE, T. - MATSUYAMA, M. In MATERIALS TRANSACTIONS. 2013, vol. 54, no. 12, p. 2258-2264., WOS*
- ADCA192 KOVÁČ, Pavol - HUŠEK, Imrich - MELIŠEK, Tibor - KOPERA, Ľubomír. Filamentary MgB₂ wire twisted before and after heat treatment. In Superconductor Science and Technology, 2011, vol. 24, art. no. 115006. (2.402 - IF2010). (2011 - Current Contents, SCOPUS). ISSN 0953-2048.
Citácie:
1. [1.2] *Yan, G., Wang, Q., Liu, G., Xiong, X., Pan, X., Feng, Y. Materials China Vol 32, (2013), Pp 550-561, SCOPUS*
- ADCA193 KOVÁČ, Pavol - HUŠEK, Imrich - MELIŠEK, Tibor. Improved current density of filamentary MgB₂ wire by two-stage formation. In Physica C, 2012, vol. 475, p. 43-45. (1.014 - IF2011). (2012 - Current Contents, WOS, SCOPUS). ISSN 0921-4534.
Citácie:
1. [1.1] *KULICH, M. - FLUKIGER, R.L. - SENATORE, C. - TROPEANO, M. - PICCARDO, R. In SUPERCONDUCTOR SCIENCE & TECHNOLOGY. OCT 2013, vol. 26, no. 10., WOS*
2. [1.2] *Yan, G., Wang, Q., Liu, G., Xiong, X., Pan, X., Feng, Y. Materials China Vol 32,*

- (2013), Pp 550-561, SCOPUS
- ADCA194 KOVÁČ, Pavol - HUŠEK, Imrich - MELIŠEK, Tibor - KOPERA, Ľubomír - REISSNER, M. Cu stabilized MgB₂ composite wire with an NbTi barrier. In Superconductor Science and Technology, 2010, vol. 23, no., art. no. 025014. (2.694 - IF2009). (2010 - Current Contents, WOS, SCOPUS). ISSN 0953-2048.
Citácie:
1. [1.2] Sun, Y. Zhang, P., Wang, Q., Qi, M., Yang, F., Jiao, G., Yan, G.: *Materials Science Forum* 745-746 (2013) 173, SCOPUS
- ADCA195 KOVÁČ, Pavol - HUŠEK, Imrich - MELIŠEK, Tibor - KOPERA, Ľubomír - REISSNER, M. Stainless steel reinforced multi-core MgB₂ wire subjected to variable deformations. In Superconductor Science and Technology, 2010, vol. 23, art. no. 065010. (2.694 - IF2009). (2010 - Current Contents, WOS, SCOPUS). ISSN 0953-2048.
Citácie:
1. [1.1] WANG, Q.Y. - YAN, G. - ZHANG, P.X. - SULPICE, A. - YANG, F. - XIONG, X.M. - FENG, J.Q. - JI, P. - LI, C.S. In *PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS*. JAN 2013, vol. 484, p. 163-166., WOS
2. [1.2] Sun, Y. Zhang, P., Wang, Q., Qi, M., Yang, F., Jiao, G., Yan, G.: *Materials Science Forum* 745-746 (2013) 173, SCOPUS
- ADCA196 KOVÁČ, Pavol - MELIŠEK, Tibor - KOPERA, Ľubomír - KOVÁČ, Ján - HUŠEK, Imrich. Selected properties of Glidcop® sheathed MgB₂ wires. In Superconductor Science and Technology, 2012, vol. 25, 095008. (2.662 - IF2011). (2012 - Current Contents, WOS, SCOPUS). ISSN 0953-2048.
Citácie:
1. [1.2] Yan, G., Wang, Q., Liu, G., Xiong, X., Pan, X., Feng, Y. *Materials China Vol 32*, (2013), Pp 550-561, SCOPUS
- ADCA197 KOVÁČ, Pavol - HUŠEK, Imrich - DOBROČKA, Edmund - MELIŠEK, Tibor - HAESSLER, W. - HERRMANN, M. MgB₂ tapes made of mechanically alloyed precursor powder in different metallic sheaths. In Superconductor Science and Technology, 2008, vol. 21, p. 015004. (2.547 - IF2007). (2008 - Current Contents, SCOPUS). ISSN 0953-2048.
Citácie:
1. [1.1] SUN, Y.Y. - LIU, G.Q. - QI, M. - SULPICE, A. - MOSSANG, E. - YAN, G. - ZHANG, P.X. In *PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS*. FEB 2013, vol. 485, p. 24-29., WOS
2. [1.1] SUN, Y.Y. - ZHANG, P.X. - SULPICE, A. - MOSSANG, E. - LIANG, M. - YAN, G. In *JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS*. APR 2013, vol. 24, no. 4, p. 1250-1255., WOS
3. [1.1] TAKAHASHI, M. - KUMAKURA, H. In *SUPERCONDUCTOR SCIENCE & TECHNOLOGY*. JUL 2013, vol. 26, no. 7., WOS
4. [1.2] Sun, Y. Zhang, P., Wang, Q., Qi, M., Yang, F., Jiao, G., Yan, G.: *Materials Science Forum* 745-746 (2013) 173, SCOPUS
- ADCA198 KOVÁČ, Pavol - HUŠEK, Imrich - ROSOVÁ, Alica - MELIŠEK, Tibor - KOPERA, Ľubomír. Fine-filamentary in situ MgB₂ wires. In Superconductor Science and Technology, 2010, vol. 23, 105006. (2.694 - IF2009). (2010 - Current Contents, WOS, SCOPUS). ISSN 0953-2048.
Citácie:
1. [1.1] GIUNCHI, G. - SAGLIETTI, L. - ALBISETTI, A.F. - PERINI, E. - SCHIAVONE, C. - RIPAMONTI, G. - UGLIETTI, D. - BRUZZONE, P.L. In *IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY*. JUN 2013, vol. 23, no. 3, 3., WOS
2. [1.1] VIGNOLO, M. - BOVONE, G. - BERNINI, C. - PALENZONA, A. - KAWALE, S. - ROMANO, G. - SIRI, A.S. In *SUPERCONDUCTOR SCIENCE & TECHNOLOGY*. OCT 2013, vol. 26, no. 10., WOS
3. [1.1] WANG, Q.Y. - ZHANG, P.X. - YAN, G. - SULPICE, A. - XIONG, X.M. - YANG, F. - LIU, G.Q. - JIAO, G.F. - LI, C.S. In *RARE METAL MATERIALS AND ENGINEERING*. MAY 2013, vol. 42, no. 5, p. 881-884., WOS
4. [1.2] Yan, G., Wang, Q., Liu, G., Xiong, X., Pan, X., Feng, Y. *Materials China Vol 32*, (2013), Pp 550-561, SCOPUS
- ADCA199 KOVÁČ, Pavol - KOPERA, Ľubomír - HUŠEK, Imrich - CESNAK, Ladislav. Bending of

- Bi(2223)/Ag tapes at 77K and 300K. In Superconductor Science and Technology, 1996, vol. 9, p. 792. (1.493 - IF1995). (1996 - Current Contents, SCOPUS). ISSN 0953-2048.
Citácie:
1. [1.2] *Chen, Z.F., Zhang, J.Y., Wei, Z.Q., Wang, L.Z., Xin, Y., Gong, W.Z., Hong, H. 2013 IEEE International Conference on Applied Superconductivity and Electromagnetic Devices, ASEMD 2013. Beijing; China 2013, Art. no. 6780802, Pp 391-394, SCOPUS*
- ADCA200 KREMPASKÝ, Ludovít - SCHMIDT, C. Influence of supercurrents on the stability of superconducting magnets. In Physica C : Superconductivity and Its Applications, 1998, vol. 310, p. 327-334. (2.199 - IF1997). (1998 - Current Contents, WOS, SCOPUS). ISSN 0921-4534.
Citácie:
1. [1.1] *COLLINGS, E.W. - SUMPTION, M.D. - SUSNER, M.A. - DIETDERICH, D.R. - KROOPSHOOP, E. - NIJHUIS, A. In IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY. JUN 2013, vol. 23, no. 3, 2., WOS*
- ADCA201 KREMPASKÝ, Ludovít - SCHMIDT, C. Theoretical analysis of time constant measurements of technical superconductors. In IEEE Transactions on Magnetics, 1994, vol. 30, p. 2654.
Citácie:
1. [1.1] *JAIN, S. - SONG, J.M. In IEEE TRANSACTIONS ON MAGNETICS. FEB 2013, vol. 49, no. 2, 2, p. 803-806., WOS*
- ADCA202 KRIŽANOVÁ, Zuzana - VÁVRA, Ivo - HASENÖHRL, Stanislav - NOVÁK, Jozef. TEM analysis of InMnAs layers and dots prepared by low pressure MOVPE. In Vacuum, 2012, vol. 86, p. 657-660. (1.317 - IF2011). (2012 - Current Contents). ISSN 0042-207X.
Citácie:
1. [1.1] *BOURAVLEUV, A.D. - NEVEDOMSKII, V.N. - UBYIVOVK, E.V. - SAPEGA, V.F. - KHREBTOV, A.I. - SAMSONENKO, Y.B. - CIRLIN, G.E. - USTINOV, V.M. In SEMICONDUCTORS. AUG 2013, vol. 47, no. 8, p. 1037-1040., WOS*
- ADCA203 KRUPA, Igor - CECEN, Volkan - BOUDENNE, Abderrahim - KRIŽANOVÁ, Zuzana - VÁVRA, Ivo - SRNÁNEK, Rudolf - RADNÓCZI, Gyorgy. Mechanical properties and morphology of composites based on the EVA copolymer filled with expanded graphite. In Polymer - Plastics Technology and Engineering, 2012, vol. 51, p. 1388-1393. (1.279 - IF2011). (2012 - Current Contents). ISSN 0360-2559.
Citácie:
1. [1.1] *LI, S. - LANG, F.Z. - WANG, Z.B. Zinc Dimethacrylate-Reinforced Thermoplastic Vulcanizates Based on Ethylene-Vinyl Acetate Copolymer/Chlorinated Polyethylene Rubber/Nitrile Butadiene Rubber Blends. In POLYMER-PLASTICS TECHNOLOGY AND ENGINEERING. ISSN 0360-2559, MAY 28 2013, vol. 52, no. 7, p. 683-689., WOS*
- ADCA204 KÚDELA, Róbert - KUČERA, Michal - OLEJNÍKOVÁ, B. - ELIÁŠ, Peter - HASENÖHRL, Stanislav - NOVÁK, Jozef. Formation of interfaces in InGaP/GaAs/InGaP quantum wells. In Journal of Crystal Growth, 2000, vol. 212, no. 1, p. 21-28. (1.490 - IF1999). (2000 - Current Contents). ISSN 0022-0248.
Citácie:
1. [1.1] *BENDER, D.A. - CEDERBERG, J.G. - WANG, C.G. - SHEIK-BAHAE, M. In APPLIED PHYSICS LETTERS. JUN 24 2013, vol. 102, no. 25., WOS*
- ADCA205 KÚDELA, Róbert - MORVIC, Marian. Phase diagram and LPE growth of quaternary InGaAsP on GaAs. In Journal of Crystal Growth, 1987, vol. 82, p. 717-724.
Citácie:
1. [1.1] *KUECH, T.F. - MAWST, L.J. - BROWN, A.S. In ANNUAL REVIEW OF CHEMICAL AND BIOMOLECULAR ENGINEERING, VOL 4. 2013, vol. 4, p. 187-209., WOS*
- ADCA206 KÚDELA, Róbert. Growth of In_{1-x}Ga_xAs by vapour phase epitaxy and analysis of growth conditions. In Journal of Crystal Growth, 1993, vol. 133, p. 289. (1.592 - IF1992). (1993 - Current Contents). ISSN 0022-0248.
Citácie:
1. [1.2] *Schulte, K.L., Garrodb, T.J., Kim, T.W., Kirch, J., Ruder, S., Mawst, L.J., Kuech, T.F. Journal of Crystal Growth Vol 370, (2013), Pp 293-298, SCOPUS*
- ADCA207 KULIFFAYOVÁ, Marta - KRAJČI, Ludovít - JANOTKA, Ivan - ŠMATKO, Vasilij.

Thermal behaviour and characterization of cement composites with burnt kaolin sand. In Journal of Thermal Analysis and Calorimetry, 2012, vol. 108, p. 425-432. (1.604 - IF2011). ISSN 1388-6150.

Citácie:

1. [1.1] CIOBANU, C. - LAZAU, I. - PACURARIU, C. Investigation of the cellulose ethers effect on the Portland cement hydration by thermal analysis. In JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY. APR 2013, vol. 112, no. 1, p. 325-330., WOS
2. [1.1] CIOBANU, C. - LAZAU, I. - PACURARIU, C. Investigation regarding the effect of viscosity modifying admixtures upon the Portland cement hydration using thermal analysis. In JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY. APR 2013, vol. 112, no. 1, p. 331-338., WOS
3. [1.1] WONGKEO, W. - THONGSANITGARN, P. - CHINDAPRASIRT, P. - CHAIPANICH, A. Thermogravimetry of ternary cement blends. In JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY. SEP 2013, vol. 113, no. 3, p. 1079-1090., WOS

ADCA208 KULICH, Miloslav - KOVÁČ, Pavol - WEBER, H.W. - HAESSLER, W. SiC doped MgB2 wires in a Ti sheath prepared by stage formation. In Superconductor Science and Technology, 2011, vol. 24, art. no. 065025. (2.402 - IF2010). (2011 - Current Contents, SCOPUS). ISSN 0953-2048.

Citácie:

1. [1.1] TOGANO, K. - GAO, Z.S. - TAIRA, H. - ISHIDA, S. - KIHOU, K. - IYO, A. - EISAKI, H. - MATSUMOTO, A. - KUMAKURA, H. In SUPERCONDUCTOR SCIENCE & TECHNOLOGY. JUN 2013, vol. 26, no. 6., WOS

ADCA209 KUNZO, Pavol - LOBOTKA, Peter - KOVÁČOVÁ, Eva - CHRISSTOPOULOU, K. - PAPOUTSAKIS, L. - ANASTASIADIS, S.H. - KRÍŽANOVÁ, Zuzana - VÁVRA, Ivo. Nanocomposites of polyaniline and titania nanoparticles for gas sensors. In Physica status solidi A. Applications and materials science, 2013, vol. 210, p. 2341-2347. (1.469 - IF2012). (2013 - Current Contents). ISSN 1862-6300.

Citácie:

1. [1.1] MCNALLY, T. - OLENIK, I.D. In PHYSICA STATUS SOLIDI A-APPLICATIONS AND MATERIALS SCIENCE. NOV 2013, vol. 210, no. 11, p. 2249-2251., WOS

ADCA210 KUNZO, Pavol - LOBOTKA, Peter - MIČUŠÍK, Matej - KOVÁČOVÁ, Eva. Palladium-free hydrogen sensor based on oxygen-plasma-treated polyaniline. In Sensors and Actuators B-Chemical, 2012, vol. B171 - 172, p. 838 - 845. (3.898 - IF2011). (2012 - Current Contents). ISSN 0925-4005.

Citácie:

1. [1.1] CHEN, C.X. - DING, G.Q. - ZHOU, D. - LU, X.H. Synthesis of poly(aniline-co-3-amino-4-hydroxybenzoic acid) and its enhanced redox activity under highly basic conditions. In ELECTROCHIMICA ACTA. MAY 1 2013, vol. 97, p. 112-119., WOS
2. [1.1] CIRIC-MARJANOVIC, G. Recent advances in polyaniline research: Polymerization mechanisms, structural aspects, properties and applications. In SYNTHETIC METALS. AUG 1 2013, vol. 177, p. 1-47., WOS
3. [1.1] ISHPAL - KAUR, A. Spectroscopic investigations of ammonia gas sensing mechanism in polypyrrole nanotubes/nanorods. In JOURNAL OF APPLIED PHYSICS. MAR 7 2013, vol. 113, no. 9., WOS
4. [1.1] OUYANG, Y.J. - YU, G. - HU, L. - WANG, X.J. - XU, W.J. - ZHAN, Y.G. - ZHANG, X.Y. Influence of Ni or Pd coatings on oxidation of permeated hydrogen. In SURFACE ENGINEERING. MAY 2013, vol. 29, no. 4, p. 312-317., WOS
5. [1.1] SEO, H.K. - AMEEN, S. - AKHTAR, M.S. - SHIN, H.S. Structural, morphological and sensing properties of layered polyaniline nanosheets towards hazardous phenol chemical. In TALANTA. JAN 30 2013, vol. 104, p. 219-227., WOS

ADCA211 KUZMA, A. - WEIS, M. - FLICKYNGEROVÁ, S. - JAKABOVIČ, J. - ŠATKA, A. - DOBROČKA, Edmund - CHLPÍK, J. - CIRÁK, J. - DONOVAL, M. - TELEK, P. - UHEREK, F. - DONOVAL, D. Influence of surface oxidation on plasmon resonance in monolayer of gold and silver nanoparticles. In Journal of Applied Physics, 2012, vol. 112,

art. no. 103531. (2.168 - IF2011). (2012 - Current Contents). ISSN 0021-8979.

Citácie:

1. [1.1] ALISSAWI, N. - PETER, T. - STRUNSKUS, T. - EBBERT, C. - GRUNDMEIER, G. - FAUPEL, F. In *JOURNAL OF NANOPARTICLE RESEARCH*. OCT 24 2013, vol. 15, no. 11., WOS

2. [1.1] SANZ, J.M. - ORTIZ, D. - DE LA OSA, R.A. - SAIZ, J.M. - GONZALEZ, F. - BROWN, A.S. - LOSURDO, M. - EVERITT, H.O. - MORENO, F. In *JOURNAL OF PHYSICAL CHEMISTRY C*. SEP 26 2013, vol. 117, no. 38, p. 19606-19615., WOS

ADCA212

KUZMÍK, Ján - BYCHIKHIN, S. - LOSSY, R. - WÜRFL, H.-J. - DI FORTE POISSON, M.A. - TEYSSIER, J.-P. - GAQUIERE, C. - POGANY, D. Transient self-heating effects in multifinger AlGaIn/GaN HEMTs with metal airbridges. In *Solid-State Electronics*, 2007, vol. 51, p. 969-974. (1.160 - IF2006). (2007 - Current Contents). ISSN 0038-1101.

Citácie:

1. [1.1] WANG, A. - TADJER, M.J. - CALLE, F. In *SEMICONDUCTOR SCIENCE AND TECHNOLOGY*. MAY 2013, vol. 28, no. 5., WOS

ADCA213

KUZMÍK, Ján - KOSTOPOULOS, T. - KONSTANTINIDIS, G. - CARLIN, J.-F. - GEORGAKILAS, A. - POGANY, D. In AlN/GaN HEMTs: A first insight into technological optimization. In *IEEE Transactions on Electron Devices*, 2006, vol. 53, p. 422-426. (2006 - Current Contents). ISSN 0018-9383.

Citácie:

1. [1.1] CHEN, R.S. - TANG, C.C. - HSIAO, C.L. - HOLTZ, P.O. - BIRCH, J. In *APPLIED SURFACE SCIENCE*. NOV 15 2013, vol. 285, B, p. 625-628., WOS

2. [1.1] DAWAHRE, N. - SHEN, G. - RENFROW, S.N. - KIM, S.M. - KUNG, P. In *JOURNAL OF VACUUM SCIENCE & TECHNOLOGY B*. JUL 2013, vol. 31, no. 4., WOS

3. [1.1] GONZALEZ-POSADA, F. - AZIZE, M. - GAO, X. - GUO, S.P. - MONROY, E. - PALACIOS, T. In *JAPANESE JOURNAL OF APPLIED PHYSICS*. AUG 2013, vol. 52, no. 8, 2, SI., WOS

4. [1.1] KIM, H.Y. - KIM, J. - LIU, L. - LO, C.F. - REN, F. - PEARTON, S.J. In *JOURNAL OF VACUUM SCIENCE & TECHNOLOGY B*. SEP 2013, vol. 31, no. 5., WOS

5. [1.1] KIM, S. - KIM, H.J. - CHOI, S. - LOCHNER, Z. - RYOU, J.H. - DUPUIS, R.D. - AHN, K.S. - KIM, H. In *JAPANESE JOURNAL OF APPLIED PHYSICS*. OCT 2013, vol. 52, no. 10, 2, SI., WOS

6. [1.1] KIM, S. - KIM, H.J. - CHOI, S. - RYOU, J.H. - DUPUIS, R.D. - AHN, K.S. - KIM, H. In *JAPANESE JOURNAL OF APPLIED PHYSICS*. OCT 2013, vol. 52, no. 10, 2, SI., WOS

7. [1.1] ROSSETTO, I. - RAMPAZZO, F. - SILVESTRI, R. - ZANANDREA, A. - DUA, C. - DELAGE, S. - OUALLI, M. - MENEGHINI, M. - ZANONI, E. - MENEGHESSO, G. In *MICROELECTRONICS RELIABILITY*. SEP-NOV 2013, vol. 53, no. 9-11, SI, p. 1476-1480., WOS

8. [1.1] ZHANG, K. - XUE, J.S. - CAO, M. - YANG, L.Y. - CHEN, Y.H. - ZHANG, J.C. - MA, X.H. - HAO, Y. In *JOURNAL OF APPLIED PHYSICS*. MAY 7 2013, vol. 113, no. 17., WOS

ADCA214

KUZMÍK, Ján - POZZOVIVO, G. - ABERMANN, S. - CARLIN, J.-F. - GONSCHOREK, M. - FELTIN, E. - GRANDJEAN, N. - BERTAGNOLLI, E. - STRASSER, G. - POGANY, D. Technology and performance of InAlN/AlN/GaN HEMTs with gate insulation and current collapse suppression using ZrO₂ or HfO₂. In *IEEE Transactions on Electron Devices*, 2008, vol. 55, p. 937-941. (2.160 - IF2007). (2008 - Current Contents). ISSN 0018-9383.

Citácie:

1. [1.1] MAO, W. - HAO, Y. - YANG, C. - ZHANG, J.C. - MA, X.H. - WANG, C. - LIU, H.X. - YANG, L.A. - ZHANG, J.F. - ZHENG, X.F. - ZHANG, K. - CHEN, Y.H. - YANG, L.Y. In *CHINESE PHYSICS LETTERS*. MAY 2013, vol. 30, no. 5., WOS

2. [1.1] TIAN, B.L. - CHEN, C. - ZHANG, J.H. - ZHANG, W.L. - LIU, X.Z. In *CHINESE PHYSICS LETTERS*. FEB 2013, vol. 30, no. 2., WOS

3. [1.1] WU, T.Y. - HU, C.C. - SZE, P.W. - HUANG, T.J. - ADRIYANTO, F. - WU, C.L. -

- WANG, Y.H. In *SOLID-STATE ELECTRONICS*. APR 2013, vol. 82, p. 1-5., WOS
4. [1.1] YE, G. - WANG, H. - ARULKUMARAN, S. - NG, G.I. - HOFSTETTER, R. - LI, Y. - ANAND, M.J. - ANG, K.S. - MAUNG, Y.K.T. - FOO, S.C. In *APPLIED PHYSICS LETTERS*. SEP 30 2013, vol. 103, no. 14., WOS
5. [1.1] ZHANG, W. - ZHANG, Y. - MAO, W. - MA, X.H. - ZHANG, J.C. - HAO, Y. In *IEEE ELECTRON DEVICE LETTERS*. JAN 2013, vol. 34, no. 1, p. 45-47., WOS
- ADCA215 KUZMÍK, Ján. InAlN/(In)GaN high electron mobility transistors some aspects of the quantum well heterostructure proposal. In *Semiconductor Science and Technology*. - Bristol : Institute of Physics, 2002, vol. 17, p. 540-544. ISSN 0268-1242.
- Citácie:
1. [1.1] DADGAR, A. - FRITZE, S. - SCHULZ, O. - HENNIG, J. - BLASING, J. - WITTE, H. - DIEZ, A. - HEINLE, U. - KUNZE, M. - DAUMILLER, I. - HABERLAND, K. - KROST, A. In *JOURNAL OF CRYSTAL GROWTH*. MAY 1 2013, vol. 370, p. 278-281., WOS
2. [1.1] ELIBOL, K. - ATMACA, G. - TASLI, P. - LISESIVDIN, S.B. In *SOLID STATE COMMUNICATIONS*. MAY 2013, vol. 162, p. 8-12., WOS
3. [1.1] JONES, E. - COOPER, D. - ROUVIERE, J.L. - BECHE, A. - AZIZE, M. - PALACIOS, T. - GRADECAK, S. In *APPLIED PHYSICS LETTERS*. DEC 2 2013, vol. 103, no. 23., WOS
4. [1.1] KIM, S. - KIM, H.J. - CHOI, S. - LOCHNER, Z. - RYOU, J.H. - DUPUIS, R.D. - AHN, K.S. - KIM, H. In *JAPANESE JOURNAL OF APPLIED PHYSICS*. OCT 2013, vol. 52, no. 10, 2, SI., WOS
5. [1.1] KIM, S. - KIM, H.J. - CHOI, S. - RYOU, J.H. - DUPUIS, R.D. - AHN, K.S. - KIM, H. In *JAPANESE JOURNAL OF APPLIED PHYSICS*. OCT 2013, vol. 52, no. 10, 2, SI., WOS
6. [1.1] SAITO, H. - TAKADA, Y. - KURAGUCHI, M. - YUMOTO, M. - TSUDA, K. In *PHYSICA STATUS SOLIDI C: CURRENT TOPICS IN SOLID STATE PHYSICS, VOL 10, NO 5*. 2013, vol. 10, no. 5, p. 824-826., WOS
7. [1.1] SLEPKO, A. - RAMDANI, J. - DEMKOV, A.A. In *JOURNAL OF APPLIED PHYSICS*. JAN 7 2013, vol. 113, no. 1., WOS
8. [1.1] YANG, Y.N. - WANG, X.Q. - LU, L.W. - HUANG, C.C. - XU, F.J. - SHEN, B. In *ACTA PHYSICA SINICA*. SEP 2013, vol. 62, no. 17., WOS
- ADCA216 KUZMÍK, Ján - JAVORKA, P. - MARSO, M. - KORDOŠ, Peter. Annealing of Schottky contacts deposited on dry etched AlGaIn/GaN. In *Semiconductor Science and Technology*. - Bristol : Institute of Physics, 2002, vol. 17, p. L76-L78. ISSN 0268-1242.
- Citácie:
1. [1.1] LI, H.J. - LIU, G.P. - WEI, H.Y. - JIAO, C.M. - WANG, J.X. - ZHANG, H. - JIN, D.D. - FENG, Y.X. - YANG, S.Y. - WANG, L.S. - ZHU, Q.S. - WANG, Z.G. In *APPLIED PHYSICS LETTERS*. DEC 2 2013, vol. 103, no. 23., WOS
2. [1.1] YATABE, Z. - HORI, Y. - KIM, S. - HASHIZUME, T. In *APPLIED PHYSICS EXPRESS*. JAN 2013, vol. 6, no. 1., WOS
- ADCA217 KUZMÍK, Ján. N-polarity InN/GaN/InAlN high-electron-mobility transistors. In *Applied Physics Express*, 2012, vol. 5, 044101. (3.013 - IF2011). (2012 - Current Contents). ISSN 1882-0778.
- Citácie:
1. [1.1] WONG, M.H. - KELLER, S. - NIDHI, S.D. - DENNINGHOFF, D.J. - KOLLURI, S. - BROWN, D.F. - LU, J. - FICHTENBAUM, N.A. - AHMADI, E. - SINGISETTI, U. - CHINI, A. - RAJAN, S. - DENBAARS, S.P. - SPECK, J.S. - MISHRA, U.K. In *SEMICONDUCTOR SCIENCE AND TECHNOLOGY*. JUL 2013, vol. 28, no. 7, SI., WOS
2. [1.1] XIA, H. - FENG, Y. - PATTERSON, R. - JIA, X. - SHRESTHA, S. - CONIBEER, G. In *JOURNAL OF APPLIED PHYSICS*. APR 28 2013, vol. 113, no. 16., WOS
- ADCA218 KUZMÍK, Ján - KONSTANTINIDIS, G. - HARASEK, S. - HAŠČÍK, Štefan - BERTAGNOLLI, E. - GEORGAKILAS, A. - POGANY, D. ZrO₂/(Al)GaN metal-oxide-semiconductor structures characterization and application. In *Semiconductor Science and Technology*, 2004, vol. 19, p. 1364-1368. ISSN 0268-1242.
- Citácie:
1. [1.1] KAMBAYASHI, H. - NOMURA, T. - UEDA, H. - HARADA, K. - MOROZUMI, Y.

- HASEBE, K. - TERAMOTO, A. - SUGAWA, S. - OHMI, T. In *JAPANESE JOURNAL OF APPLIED PHYSICS*. APR 2013, vol. 52, no. 4, 2, SI., WOS
2. [1.2] Lee, Y.-C., Kao, T.-T., Shen, S.-C. 2013 International Conference on Compound Semiconductor Manufacturing Technology, CS MANTECH 2013 pp. 333-336, SCOPUS
- ADCA219 KUZMÍK, Ján - BYCHIKHIN, S. - NEUBURGER, M. - DADGAR, A. - KROST, A. - KOHN, E. - POGANY, D. Transient thermal characterization of AlGaIn/GaN HEMTs grown on silicon. In *IEEE Transactions on Electron Devices*, 2005, vol. 52, p. 1698-1705. ISSN 0018-9383.

Citácie:

1. [1.1] DOUGLAS, E.A. - GILA, B.P. - ABERNATHY, C.R. - REN, F. - PEARTON, S.J. In *LOW-DIMENSIONAL NANOSCALE ELECTRONIC AND PHOTONIC DEVICES 5 -AND- STATE-OF-THE-ART PROGRAM ON COMPOUND SEMICONDUCTORS 54 (SOTAPOCS 54)*. 2012, vol. 50, no. 6, p. 261-272., WOS
2. [1.1] SHENOY, B.M. - MAHAPATRA, D.R. - HEGDE, G. In *JOURNAL OF APPLIED PHYSICS*. JUL 28 2013, vol. 114, no. 4., WOS
3. [1.1] WANG, A. - TADJER, M.J. - CALLE, F. In *SEMICONDUCTOR SCIENCE AND TECHNOLOGY*. MAY 2013, vol. 28, no. 5., WOS
4. [1.1] YAHYAZADEH, R. - HASHEMPOUR, Z. In *CHINA SEMICONDUCTOR TECHNOLOGY INTERNATIONAL CONFERENCE 2012 (CSTIC 2012)*. 2012, vol. 44, no. 1, p. 165-172., WOS
5. [1.1] YAHYAZADEH, R. - HASHEMPOUR, Z. In *CHINA SEMICONDUCTOR TECHNOLOGY INTERNATIONAL CONFERENCE 2012 (CSTIC 2012)*. 2012, vol. 44, no. 1, p. 49-55., WOS
6. [1.1] ZHENG, H. - JAGANNADHAM, K. In *IEEE TRANSACTIONS ON ELECTRON DEVICES*. JUN 2013, vol. 60, no. 6, p. 1911-1915., WOS
7. [1.2] Manno, M., Wang, P., Bar-Cohen, A. ASME 2013 International Technical Conference and Exhibition on Packaging and Integration of Electronic and Photonic Microsystems, InterPACK 2013 2, SCOPUS

- ADCA220 KUZMÍK, Ján - JAVORKA, P. - ALAM, A. - MARSO, M. - HEUKEN, M. - KORDOŠ, Peter. Determination of channel temperature in AlGaIn/GaN HEMTs grown on sapphire and silicon substrates using DC characterization method. In *IEEE Transactions on Electron Devices*, 2002, vol. 49, p. 1496-1498. ISSN 0018-9383.

Citácie:

1. [1.1] ABBATE, C. - IANNUZZO, F. - BUSATTO, G. In *MICROELECTRONICS RELIABILITY*. SEP-NOV 2013, vol. 53, no. 9-11, SI, p. 1481-1485., WOS
2. [1.1] DOUGLAS, E.A. - GILA, B.P. - ABERNATHY, C.R. - REN, F. - PEARTON, S.J. In *LOW-DIMENSIONAL NANOSCALE ELECTRONIC AND PHOTONIC DEVICES 5 -AND- STATE-OF-THE-ART PROGRAM ON COMPOUND SEMICONDUCTORS 54 (SOTAPOCS 54)*. 2012, vol. 50, no. 6, p. 261-272., WOS
3. [1.1] FONTSERE, A. - PEREZ-TOMAS, A. - PLACIDI, M. - BARON, N. - CHENOT, S. - MORENO, J.C. - CORDIER, Y. In *ECS SOLID STATE LETTERS*. 2013, vol. 2, no. 1, p. P4-P7., WOS
4. [1.1] LEE, D.S. - WANG, H. - HSU, A. - AZIZE, M. - LABOUTIN, O. - CAO, Y. - JOHNSON, J.W. - BEAM, E. - KETTERSON, A. - SCHUETTE, M.L. - SAUNIER, P. - PALACIOS, T. In *IEEE ELECTRON DEVICE LETTERS*. AUG 2013, vol. 34, no. 8, p. 969-971., WOS
5. [1.1] MARINELLA, M.J. - DASGUPTA, S. - KAPLAR, R.J. - SUN, M. - ATCITY, S. - PALACIOS, T. In *GALLIUM NITRIDE AND SILICON CARBIDE POWER TECHNOLOGIES 3*. 2013, vol. 58, no. 4, p. 365-374., WOS
6. [1.1] MARTIN-HORCAJO, S. - WANG, A. - ROMERO, M.F. - TADJER, M.J. - CALLE, F. In *IEEE TRANSACTIONS ON ELECTRON DEVICES*. DEC 2013, vol. 60, no. 12, p. 4105-4111., WOS
7. [1.1] NOCHETTO, H.C. - JANKOWSKI, N.R. - BAR-COHEN, A. In *PROCEEDINGS OF THE ASME INTERNATIONAL MECHANICAL ENGINEERING CONGRESS AND EXPOSITION, 2011, VOL 10, PTS A AND B*. 2012, p. 241-249., WOS
8. [1.1] ZHAO, M. - LIU, X.Y. - ZHENG, Y.K. - PENG, M.Z. - OUYANG, S.H. - LI, Y.K. - WEI, K. In *OPTICS COMMUNICATIONS*. MAR 15 2013, vol. 291, p. 104-109., WOS

9. [1.2] Lee, D.S., Wang, H., Hsu, A., Azize, M., Laboutin, O., Cao, Y., Johnson, W., Beam, E.c, Ketterson, A., Schuette, M., Saunier, P., Palacios, T. *Device Research Conference - Conference Digest, DRC 2013, Art. no 6633860, Pp 195-196, SCOPUS*
- ADCA221 KUZMÍK, Ján - BYCHIKHIN, S. - POGANY, D. - PICHONAT, E. - LANCERY, O. - GAQUIERE, C. - TSIKATOURAS, G. - DELIGEORGIS, G. - GEORGAKILAS, A. Thermal characterization of MBE-grown GaN/AlGaIn/GaN device on single crystalline diamond. In *Journal of Applied Physics*, 2011, vol. 109, art. no. 086106. (2.079 - IF2010). (2011 - Current Contents). ISSN 0021-8979.
- Citácie:
1. [1.1] CHO, J.W. - LI, Z.J. - BOZORG-GRAYELI, E. - KODAMA, T. - FRANCIS, D. - EJECKAM, F. - FAILI, F. - ASHEGHI, M. - GOODSON, K.E. In *IEEE TRANSACTIONS ON COMPONENTS PACKAGING AND MANUFACTURING TECHNOLOGY. JAN 2013, vol. 3, no. 1, p. 79-85., WOS*
2. [1.2] Won, Y. Cho, J., Agonafer, D., Asheghi, M., Goodson, K.E.: *Technical Digest - IEEE CSIC 2013, Art. no. 6659222 2013, SCOPUS*
- ADCA222 KUZMÍK, Ján - VITANOV, S. - DUA, C. - CARLIN, J.-F. - OSTERMAIER, C. - ALEXEWICZ, A. - STRASSER, G. - POGANY, D. - GORNIK, E. - GRANDJEAN, N. - DELAGE, S. - PALANKOVSKI, V. Buffer-related degradation aspects of single and double-heterostructure quantum well InAlN/GaN high-electron-mobility transistors. In *Japanese Journal of Applied Physics*, 2012, vol. 51, art. no. 054102. (1.058 - IF2011). (2012 - Current Contents). ISSN 0021-4922.
- Citácie:
1. [1.2] Tang, C., Sheng, K., Xie, G. *International Conference on Communications, Circuits and Systems, ICCAS 2013, 2, 6765355, pp. 353-357, SCOPUS*
- ADCA223 KUZMÍK, Ján - POZZOVIVO, G. - OSTERMAIER, C. - STRASSER, G. - POGANY, D. - GORNIK, E. - CARLIN, J.-F. - GONSCHOREK, M. - FELTIN, E. - GRANDJEAN, N. Analysis of degradation mechanisms in lattice-matched InAlN/GaN high-electron-mobility transistors. In *Journal of Applied Physics*, 2009, vol. 106, art. no. 124503. (2.201 - IF2008). (2009 - Current Contents, WOS, SCOPUS). ISSN 0021-8979.
- Citácie:
1. [1.1] CHEN, H.R. - YANG, L.A. - LONG, S. - HAO, Y. In *JOURNAL OF APPLIED PHYSICS. MAY 21 2013, vol. 113, no. 19., WOS*
2. [1.1] GEUM, D.M. - SHIN, S.H. - KIM, M.S. - JANG, J.H. In *ELECTRONICS LETTERS. NOV 21 2013, vol. 49, no. 24, p. 1536-+, WOS*
3. [1.1] HIROKI, M. - WATANABE, N. - MAEDA, N. - YOKOYAMA, H. - KUMAKURA, K. - YAMAMOTO, H. In *JAPANESE JOURNAL OF APPLIED PHYSICS. APR 2013, vol. 52, no. 4, 2, SI., WOS*
4. [1.1] KYAW, L.M. - LIU, Y. - BERA, M.K. - NGOO, Y.J. - TRIPATHY, S. - CHOR, E.F. In *WIDE-BANDGAP SEMICONDUCTOR MATERIALS AND DEVICES 14. 2013, vol. 53, no. 2, p. 75-83., WOS*
5. [1.1] LECOURT, F. - AGBOTON, A. - KETTENISS, N. - BEHMENBURG, H. - DEFRANCE, N. - HOEL, V. - KALISCH, H. - VESCAN, A. - HEUKEN, M. - DE JAEGER, J.C. In *IEEE ELECTRON DEVICE LETTERS. AUG 2013, vol. 34, no. 8, p. 978-980., WOS*
6. [1.1] LIU, L. - LO, C.F. - XI, Y.Y. - WANG, Y.X. - KIM, H.Y. - KIM, J. - PEARTON, S.J. - LABOUTIN, O. - CAO, Y. - JOHNSON, J.W. - KRAVCHENKO, I.I. - REN, F. In *GALLIUM NITRIDE MATERIALS AND DEVICES VIII. 2013, vol. 8625., WOS*
7. [1.1] NSELE, S.D. - ESCOTTE, L. - TARTARIN, J.G. - PIOTROWICZ, S. - DELAGE, S.L. In *IEEE TRANSACTIONS ON ELECTRON DEVICES. APR 2013, vol. 60, no. 4, p. 1372-1378., WOS*
8. [1.1] ZHOU, Q. - CHEN, W.J. - LIU, S.H. - ZHANG, B. - FENG, Z.H. - CAI, S.J. - CHEN, K.J. In *GALLIUM NITRIDE AND SILICON CARBIDE POWER TECHNOLOGIES 3. 2013, vol. 58, no. 4, p. 351-363., WOS*
9. [1.1] ZHOU, Q. - CHEN, W.J. - LIU, S.H. - ZHANG, B. - FENG, Z.H. - CAI, S.J. - CHEN, K.J. In *IEEE TRANSACTIONS ON ELECTRON DEVICES. MAR 2013, vol. 60, no. 3, p. 1075-1081., WOS*
10. [1.2] Liu, B., Feng, Z., Dun, S., Zhang, X., Gu, G., Wang, Y., Xu, P., He, Z., Cai, S.

- Journal of Semiconductors 34 (2013) 044006, SCOPUS*
- ADCA224 KUZMÍK, Ján - GEORGAKILAS, A. Proposal of InN channel high electron-mobility transistors. In IEEE Transactions on Electron Devices, 2011, vol. 58, p. 720. (2.255 - IF2010). (2011 - Current Contents). ISSN 0018-9383.
- Citácie:
1. [1.1] HADI, W.A. - GURAM, P.K. - SHUR, M.S. - O'LEARY, S.K. In JOURNAL OF APPLIED PHYSICS. MAR 21 2013, vol. 113, no. 11., WOS
 2. [1.2] Ghosh, K., Singiseti, U. Device Research Conference - Conference Digest, DRC 2013, Art. no. 6633803, SCOPUS
- ADCA225 KUZMÍK, Ján. Power electronics on InAlN/(In)GaN: prospect for a record performance. In IEEE Electron Devices Letters, 2001, vol. 22, p. 510-512. (2001 - Current Contents). ISSN 0741-3106.
- Citácie:
1. [1.1] AKAZAWA, M. - CHIBA, M. - NAKANO, T. In APPLIED PHYSICS LETTERS. JUN 10 2013, vol. 102, no. 23., WOS
 2. [1.1] AKAZAWA, M. - NAKANO, T. In JAPANESE JOURNAL OF APPLIED PHYSICS. AUG 2013, vol. 52, no. 8, 2, SI., WOS
 3. [1.1] BALIGA, B.J. In SEMICONDUCTOR SCIENCE AND TECHNOLOGY. JUL 2013, vol. 28, no. 7, SI., WOS
 4. [1.1] BERA, M.K. - LIU, Y. - KYAW, L.M. - NGOO, Y.J. - CHOR, E.F. In WIDE-BANDGAP SEMICONDUCTOR MATERIALS AND DEVICES 14. 2013, vol. 53, no. 2, p. 65-74., WOS
 5. [1.1] BRAZZINI, T. - TADJER, M.J. - GACEVIC, Z. - PANDEY, S. - CAVALLINI, A. - CALLE, F. In SEMICONDUCTOR SCIENCE AND TECHNOLOGY. MAY 2013, vol. 28, no. 5., WOS
 6. [1.1] CHEN, H.R. - YANG, L.A. - LONG, S. - HAO, Y. In JOURNAL OF APPLIED PHYSICS. MAY 21 2013, vol. 113, no. 19., WOS
 7. [1.1] DADGAR, A. - FRITZE, S. - SCHULZ, O. - HENNIG, J. - BLASING, J. - WITTE, H. - DIEZ, A. - HEINLE, U. - KUNZE, M. - DAUMILLER, I. - HABERLAND, K. - KROST, A. In JOURNAL OF CRYSTAL GROWTH. MAY 1 2013, vol. 370, p. 278-281., WOS
 8. [1.1] GEUM, D.M. - SHIN, S.H. - KIM, M.S. - JANG, J.H. In ELECTRONICS LETTERS. NOV 21 2013, vol. 49, no. 24, p. 1536-+., WOS
 9. [1.1] GONZALEZ-POSADA, F. - AZIZE, M. - GAO, X. - GUO, S.P. - MONROY, E. - PALACIOS, T. In JAPANESE JOURNAL OF APPLIED PHYSICS. AUG 2013, vol. 52, no. 8, 2, SI., WOS
 10. [1.1] HIROKI, M. - ODA, Y. - WATANABE, N. - MAEDA, N. - YOKOYAMA, H. - KUMAKURA, K. - YAMAMOTO, H. In JOURNAL OF CRYSTAL GROWTH. NOV 1 2013, vol. 382, p. 36-40., WOS
 11. [1.1] HIROKI, M. - WATANABE, N. - MAEDA, N. - YOKOYAMA, H. - KUMAKURA, K. - YAMAMOTO, H. In JAPANESE JOURNAL OF APPLIED PHYSICS. APR 2013, vol. 52, no. 4, 2, SI., WOS
 12. [1.1] HOSSAIN, M.I. - ISLAM, K.N. - HOWLADER, C.Q. - MAHMOOD, Z.H. In 16TH INTERNATIONAL WORKSHOP ON PHYSICS OF SEMICONDUCTOR DEVICES. 2012, vol. 8549., WOS
 13. [1.1] HUANG, W.C. - CHANG, E.Y. - WONG, Y.Y. - LIN, K.L. - HSIAO, Y.L. - DEE, C.F. - MAJLIS, B.Y. In SAINS MALAYSIANA. FEB 2013, vol. 42, no. 2, p. 247-250., WOS
 14. [1.1] KACHI, T. In IEICE ELECTRONICS EXPRESS. 2013, vol. 10, no. 21., WOS
 15. [1.1] KIM, H.Y. - KIM, J. - LIU, L. - LO, C.F. - REN, F. - PEARTON, S.J. In JOURNAL OF VACUUM SCIENCE & TECHNOLOGY B. SEP 2013, vol. 31, no. 5., WOS
 16. [1.1] KIM, S. - RYOU, J.H. - DUPUIS, R.D. - KIM, H. In APPLIED PHYSICS LETTERS. FEB 4 2013, vol. 102, no. 5., WOS
 17. [1.1] KYAW, L.M. - LIU, Y. - BERA, M.K. - NGOO, Y.J. - TRIPATHY, S. - CHOR, E.F. In WIDE-BANDGAP SEMICONDUCTOR MATERIALS AND DEVICES 14. 2013, vol. 53, no. 2, p. 75-83., WOS
 18. [1.1] LEE, D.S. - LABOUTIN, O. - CAO, Y. - JOHNSON, W. - BEAM, E. -

- KETTERSON, A. - SCHUETTE, M. - SAUNIER, P. - KOPP, D. - FAY, P. - PALACIOS, T. In *PHYSICA STATUS SOLIDI C: CURRENT TOPICS IN SOLID STATE PHYSICS, VOL 10, NO 5. 2013, vol. 10, no. 5, p. 827-830.*, WOS
19. [1.1] LIU, L. - LO, C.F. - XI, Y.Y. - WANG, Y.X. - KIM, H.Y. - KIM, J. - PEARTON, S.J. - LABOUTIN, O. - CAO, Y. - JOHNSON, J.W. - KRAVCHENKO, I.I. - REN, F. In *GALLIUM NITRIDE MATERIALS AND DEVICES VIII. 2013, vol. 8625.*, WOS
20. [1.1] LU, J. - DENNINGHOFF, D. - YELURI, R. - LAL, S. - GUPTA, G. - LAURENT, M. - KELLER, S. - DENBAARS, S.P. - MISHRA, U.K. In *APPLIED PHYSICS LETTERS. JUN 10 2013, vol. 102, no. 23.*, WOS
21. [1.1] LUGANI, L. - CARLIN, J.F. - PY, M.A. - MARTIN, D. - ROSSI, F. - SALVIATI, G. - HERFURTH, P. - KOHN, E. - BLASING, J. - KROST, A. - GRANDJEAN, N. In *JOURNAL OF APPLIED PHYSICS. JUN 7 2013, vol. 113, no. 21.*, WOS
22. [1.1] MAO, W. - HAO, Y. - YANG, C. - ZHANG, J.C. - MA, X.H. - WANG, C. - LIU, H.X. - YANG, L.A. - ZHANG, J.F. - ZHENG, X.F. - ZHANG, K. - CHEN, Y.H. - YANG, L.Y. In *CHINESE PHYSICS LETTERS. MAY 2013, vol. 30, no. 5.*, WOS
23. [1.1] MATULIONIS, A. In *SEMICONDUCTOR SCIENCE AND TECHNOLOGY. JUL 2013, vol. 28, no. 7, SI.*, WOS
24. [1.1] MEDJDOUB, F. - TAGRO, Y. - GRIMBERT, B. - DUCATTEAU, D. - ROLLAND, N. In *INTERNATIONAL JOURNAL OF MICROWAVE AND WIRELESS TECHNOLOGIES. JUN 2013, vol. 5, no. 3, SI, p. 335-340.*, WOS
25. [1.1] NAKANO, T. - AKAZAWA, M. In *IEICE TRANSACTIONS ON ELECTRONICS. MAY 2013, vol. E96C, no. 5, p. 686-689.*, WOS
26. [1.1] NSELE, S.D. - ESCOTTE, L. - TARTARIN, J.G. - PIOTROWICZ, S. - DELAGE, S.L. In *IEEE TRANSACTIONS ON ELECTRON DEVICES. APR 2013, vol. 60, no. 4, p. 1372-1378.*, WOS
27. [1.1] NSELE, S.D. - ESCOTTE, L. - TARTARIN, J.G. - PIOTROWICZ, S. In *2013 22ND INTERNATIONAL CONFERENCE ON NOISE AND FLUCTUATIONS (ICNF). 2013.*, WOS
28. [1.1] PARDESHI, H. - RAJ, G. - PATI, S. - MOHANKUMAR, N. - SARKAR, C.K. In *SUPERLATTICES AND MICROSTRUCTURES. AUG 2013, vol. 60, p. 47-59.*, WOS
29. [1.1] PARDESHI, H.M. - RAJ, G. - PATI, S. - MOHANKUMAR, N. - SARKAR, C.K. In *SUPERLATTICES AND MICROSTRUCTURES. AUG 2013, vol. 60, p. 10-22.*, WOS
30. [1.1] PEREZ-TOMAS, A. - FONTSERE, A. - JENNINGS, M.R. - GAMMON, P.M. In *MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING. OCT 2013, vol. 16, no. 5, SI, p. 1336-1345.*, WOS
31. [1.1] PERILLAT-MERCEROZ, G. - COSENDEY, G. - CARLIN, J.F. - BUTTE, R. - GRANDJEAN, N. In *JOURNAL OF APPLIED PHYSICS. FEB 14 2013, vol. 113, no. 6.*, WOS
32. [1.1] SAITO, H. - TAKADA, Y. - KURAGUCHI, M. - YUMOTO, M. - TSUDA, K. In *PHYSICA STATUS SOLIDI C: CURRENT TOPICS IN SOLID STATE PHYSICS, VOL 10, NO 5. 2013, vol. 10, no. 5, p. 824-826.*, WOS
33. [1.1] SARIKAVAK-LISESIVDIN, B. - LISESIVDIN, S.B. - OZBAY, E. In *CURRENT APPLIED PHYSICS. JAN 2013, vol. 13, no. 1, p. 224-227.*, WOS
34. [1.1] SASIKUMAR, A. - AREHART, A.R. - MARTIN-HORCAJO, S. - ROMERO, M.F. - PEI, Y. - BROWN, D. - RECHT, F. - DI FORTE-POISSON, M.A. - CALLE, F. - TADJER, M.J. - KELLER, S. - DENBAARS, S.P. - MISHRA, U.K. - RINGEL, S.A. In *APPLIED PHYSICS LETTERS. JUL 15 2013, vol. 103, no. 3.*, WOS
35. [1.1] SAUNIER, P. - SCHUETTE, M.L. - CHOU, T.M. - TSERNG, H.Q. - KETTERSON, A. - BEAM, E. - PILLA, M. - GAO, X. In *IEEE TRANSACTIONS ON ELECTRON DEVICES. OCT 2013, vol. 60, no. 10, SI, p. 3099-3104.*, WOS
36. [1.1] SCHUETTE, M.L. - KETTERSON, A. - SONG, B. - BEAM, E. - CHOU, T.M. - PILLA, M. - TSERNG, H.Q. - GAO, X. - GUO, S.P. - FAY, P.J. - XING, H.G. - SAUNIER, P. In *IEEE ELECTRON DEVICE LETTERS. JUN 2013, vol. 34, no. 6, p. 741-743.*, WOS
37. [1.1] SIMUKOVIC, A. - MATULIONIS, A. - LIBERIS, J. - SERMUKSNIS, E. - SAKALAS, P. - ZHANG, F. - LEACH, J.H. - AVRUTIN, V. - MORKOC, H. In *SEMICONDUCTOR SCIENCE AND TECHNOLOGY. MAY 2013, vol. 28, no. 5.*, WOS
38. [1.1] TIRELLI, S. - LUGANI, L. - MARTI, D. - CARLIN, J.F. - GRANDJEAN, N. -

- BOLOGNESI, C.R. In IEEE TRANSACTIONS ON ELECTRON DEVICES. OCT 2013, vol. 60, no. 10, SI, p. 3091-3098., WOS*
39. [1.1] *TIRELLI, S. - MARTI, D. - LUGANI, L. - CARLIN, J.F. - GRANDJEAN, N. - BOLOGNESI, C.R. In JAPANESE JOURNAL OF APPLIED PHYSICS. AUG 2013, vol. 52, no. 8, 2, SI., WOS*
40. [1.1] *XUE, J.S. - ZHANG, J.C. - HAO, Y. In JAPANESE JOURNAL OF APPLIED PHYSICS. AUG 2013, vol. 52, no. 8, 2, SI., WOS*
41. [1.1] *ZHANG, L.L. - DONG, K.X. - CHEN, D.J. - LIU, Y.L. - XUE, J.J. - LU, H. - ZHANG, R. - ZHENG, Y.D. In APPLIED PHYSICS LETTERS. JUN 17 2013, vol. 102, no. 24., WOS*
42. [1.1] *ZHOU, Q. - CHEN, W.J. - LIU, S.H. - ZHANG, B. - FENG, Z.H. - CAI, S.J. - CHEN, K.J. In 2013 25TH INTERNATIONAL SYMPOSIUM ON POWER SEMICONDUCTOR DEVICES AND ICS (ISPSD). 2013, p. 195-198., WOS*
43. [1.1] *ZHOU, Q. - CHEN, W.J. - LIU, S.H. - ZHANG, B. - FENG, Z.H. - CAI, S.J. - CHEN, K.J. In GALLIUM NITRIDE AND SILICON CARBIDE POWER TECHNOLOGIES 3. 2013, vol. 58, no. 4, p. 351-363., WOS*
44. [1.1] *ZHOU, Q. - CHEN, W.J. - LIU, S.H. - ZHANG, B. - FENG, Z.H. - CAI, S.J. - CHEN, K.J. In IEEE TRANSACTIONS ON ELECTRON DEVICES. MAR 2013, vol. 60, no. 3, p. 1075-1081., WOS*
45. [1.2] *Liu, B., Feng, Z., Dun, S., Zhang, X., Gu, G., Wang, Y., Xu, P., He, Z., Cai, S.: Journal of Semiconductors 34 (2013) 044006, SCOPUS*
46. [1.2] *Xie, S., Feng, Z., Liu, B., Dun, S., Mao, L., Zhang, S.: Transactions of the Tianjin University 19 (2013) 43, SCOPUS*
- ADCA226 KUZMÍK, Ján - BYCHIKHIN, S. - POGANY, D. - GAQUIERE, C. - PICHONAT, E. - MORVAN, E. Investigation of the thermal boundary resistance at the III-Nitride/substrate interface using optical methods. In Journal of Applied Physics. - New York : American Institute of Physics, 2007, vol. 101, p. 054508. (2.316 - IF2006). (2007 - Current Contents, SCOPUS). ISSN 0021-8979.
- Citácie:
1. [1.1] *CHO, J.W. - LI, Z.J. - BOZORG-GRAYELI, E. - KODAMA, T. - FRANCIS, D. - EJECKAM, F. - FAILI, F. - ASHEGHI, M. - GOODSON, K.E. In IEEE TRANSACTIONS ON COMPONENTS PACKAGING AND MANUFACTURING TECHNOLOGY. JAN 2013, vol. 3, no. 1, p. 79-85., WOS*
2. [1.1] *HAN, N. - CUONG, T.V. - HAN, M. - RYU, B.D. - CHANDRAMOHAN, S. - PARK, J.B. - KANG, J.H. - PARK, Y.J. - KO, K.B. - KIM, H.Y. - KIM, H.K. - RYU, J.H. - KATHARRIA, Y.S. - CHOI, C.J. - HONG, C.H. In NATURE COMMUNICATIONS. FEB 2013, vol. 4., WOS*
3. [1.1] *ZHENG, H. - JAGANNADHAM, K. In IEEE TRANSACTIONS ON ELECTRON DEVICES. JUN 2013, vol. 60, no. 6, p. 1911-1915., WOS*
4. [1.2] *Won, Y., Cho, J., Agonafer, D., Asheghi, M., Goodson, K.E. Technical Digest - IEEE CSIC (2013) 6659222, SCOPUS*
- ADCA227 KVITKOVIČ, Jozef - VOCCIO, J. - PAMIDI, S.V. Shielding of AC magnetic fields by coils and sheets of superconducting tapes. In IEEE Transactions on Applied Superconductivity, 2009, vol. 19, p. 3577-3580. (0.919 - IF2008). (2009 - Current Contents, SCOPUS).
- Citácie:
1. [1.1] *SHIEH, J.J. - CHEM, G.T. - CHUANG, W. In 39TH ANNUAL CONFERENCE OF THE IEEE INDUSTRIAL ELECTRONICS SOCIETY (IECON 2013). 2013, p. 258-261., WOS*
- ADCA228 LALINSKÝ, Tibor - DRŽÍK, Milan - TOMÁŠKA, M. - KRNÁČ, Martin - HAŠČÍK, Štefan - MOZOLOVÁ, Želmíra - KLASOVITÝ, M. - KOSTIČ, Ivan. Coplanar waveguides supported by InGaP and GaAs/AlGaAs membrane-like bridges. In Journal of Micromechanics and Microengineering, 2002, vol. 12, p. 465-469. ISSN 0960-1317.
- Citácie:
1. [1.1] *YANG, G. - LIAO, X.P. - ZHANG, Z.Q. In JOURNAL OF MICROMECHANICS AND MICROENGINEERING. APR 2013, vol. 23, no. 4., WOS*
- ADCA229 LALINSKÝ, Tibor - DRŽÍK, Milan - VANKO, Gabriel - VALLO, Martin - KUTIŠ, V. - BRUNCKO, J. - HAŠČÍK, Štefan - JAKOVENKO, J. - HUSÁK, M. Piezoelectric response

of AlGaN/GaN based circular-HEMT structures. In *Microelectronic Engineering*, 2011, vol. 88, p. 2424-2426. (1.569 - IF2010). (2011 - Current Contents). ISSN 0167-9317.

Citácie:

1. [1.1] CHAPIN, C.A. - CHIAMORI, H.C. - HOU, M. - SENESKY, D.G. In *STRUCTURAL HEALTH MONITORING 2013, VOLS 1 AND 2. 2013*, p. 1621-1628., WOS

2. [1.1] WANG, C. - CHO, S.J. - KIM, N.Y. In *MICROELECTRONIC ENGINEERING. SEP 2013*, vol. 109, p. 24-27., WOS

ADCA230 LALINSKÝ, Tibor - RUFER, L. - VANKO, Gabriel - MIR, S. - HAŠČÍK, Štefan - MOZOLOVÁ, Želmíra - VINCZE, A. - UHEREK, F. AlGaN/GaN heterostructure based surface acoustic wave structures for chemical sensors. In *Applied Surface Science*, 2008, vol. 255, p. 712-714. (1.410 - IF2007). (2008 - Current Contents). ISSN 0169-4332.

Citácie:

1. [1.1] LU, X. - LEE, C.M. - WU, S.Y. - HO, H.P. - LAU, K.M. In *IEEE SENSORS JOURNAL. APR 2013*, vol. 13, no. 4, p. 1245-1251., WOS

ADCA231 LALINSKÝ, Tibor - VANKO, Gabriel - VALLO, Martin - DOBROČKA, Edmund - RÝGER, Ivan - VINCZE, A. AlGaN/GaN high electron mobility transistors with nickel oxide based gates formed by high temperature oxidation. In *Applied Physics Letters*, 2012, vol. 100, art. no. 092105. (3.844 - IF2011). (2012 - Current Contents). ISSN 0003-6951.

Citácie:

1. [1.1] KAWAKAMI, R. - NIIBE, M. - NAKANO, Y. - KONISHI, M. - MORI, Y. - TAKEICHI, A. - TOMINAGA, K. - MUKAI, T. In *JAPANESE JOURNAL OF APPLIED PHYSICS. MAY 2013*, vol. 52, no. 5, 3, SI., WOS

2. [1.1] LIU, H.Y. - LEE, C.S. - HSU, W.C. - TSENG, L.Y. - CHOU, B.Y. - HO, C.S. - WU, C.L. In *IEEE TRANSACTIONS ON ELECTRON DEVICES. JUL 2013*, vol. 60, no. 7, p. 2231-2237., WOS

3. [1.1] TRAN, B.T. - CHANG, E.Y. In *ELECTRONIC MATERIALS LETTERS. SEP 2013*, vol. 9, no. 5, p. 705-708., WOS

ADCA232 LALINSKÝ, Tibor - HUDEK, Peter - VANKO, Gabriel - DZUBA, Jaroslav - KUTIŠ, V. - SRNÁNEK, R. - CHOLEVA, P. - VALLO, Martin - DRŽÍK, Milan - MATAY, Ladislav - KOSTIČ, Ivan. Micromachined membrane structures for pressure sensors based on AlGaN/GaN circular HEMT sensing device. In *Microelectronic Engineering : an international journal of semiconductor manufacturing technology*, 2012, vol. 98, p. 578-581. (1.557 - IF2011). (2012 - Current Contents). ISSN 0167-9317.

Citácie:

1. [1.1] LINGANISO, E.C. - RODRIGUES, R. - MHLANGA, S.D. - MWAKIKUNGA, B.W. - COVILLE, N.J. - HUMMELGEN, I.A. *GaN nanostructures-poly(vinyl alcohol) composite based hydrostatic pressure sensor device. In MATERIALS CHEMISTRY AND PHYSICS. DEC 16 2013*, vol. 143, no. 1, p. 367-372., WOS

2. [1.2] WANG, C. - CHO, S.-J. - KIM, N.-Y. *Comparison of SiO₂-based double passivation scheme by e-beam evaporation and PECVD for surface passivation and gate oxide in AlGaN/GaN HEMTs. In Microelectronic Engineering. 2013*, no. 109, p. 24-27., SCOPUS

ADCA233 LALINSKÝ, Tibor - DRŽÍK, Milan - JAKOVENKO, J. - VANKO, Gabriel - MOZOLOVÁ, Želmíra - HAŠČÍK, Štefan - CHLPÍK, J. - HOTOVÝ, I. - ŘEHÁČEK, V. - KOSTIČ, Ivan - MATAY, Ladislav - HUSÁK, M. GaAs based micromachined thermal converter for gas sensors. In *Sensors and Actuators A : Physical*, 2008, vol. 142, p. 147-152. (1.350 - IF2007).

Citácie:

1. [1.2] Zhou, Z., Zhao, W., Shi, Y., Wang, T., Yu, Y.: *Yi Qi Yi Biao Xue Bao/Chinese Journal of Scientific Instruments* 34 (2013) 2757, SCOPUS

ADCA234 LALINSKÝ, Tibor - VANKO, Gabriel - VINCZE, A. - HAŠČÍK, Štefan - OSVALD, Jozef - DONOVAL, D. - TOMÁŠKA, M. - KOSTIČ, Ivan. Effect of fluorine interface redistribution on performance of AlGaN/GaN HEMTs. In *Microelectronic Engineering*, 2011, vol. 88, p. 166-169. (1.569 - IF2010). (2011 - Current Contents). ISSN 0167-9317.

Citácie:

1. [1.1] BISI, D. - MENEGHINI, M. - STOCCO, A. - CIBIN, G. - PANTELLINI, A. -

- NANNI, A. - LANZIERI, C. - ZANONI, E. - MENEGHESSO, G. Influence of Fluorine-based Dry Etching on Electrical Parameters of AlGaIn/GaN-on-Si High Electron Mobility Transistors. In 2013 PROCEEDINGS OF THE EUROPEAN SOLID-STATE DEVICE RESEARCH CONFERENCE (ESSDERC). 2013, p. 61-64., WOS*
- ADCA235 LAPIN, Juraj - PELACHOVÁ, Tatiana - WITUSIEWICZ, V.T. - DOBROČKA, Edmund. Effect of long-term ageing on microstructure stability and lattice parameters of coexisting phases in intermetallic Ti-46Al-8Ta alloy. In *Intermetallics*, 2011, vol. 19, p.121-124. (2.335 - IF2010). (2011 - Current Contents, WOS, SCOPUS). ISSN 0966-9795.
- Citácie:
 1. [1.1] RAGHAVAN, V. *Phase Diagram Updates and Evaluations of the Al-Fe-Ta, Al-Ge-Ni, Al-Li-Zn, Al-Sc-Si and Al-Ta-Ti Systems. In JOURNAL OF PHASE EQUILIBRIA AND DIFFUSION. ISSN 1547-7037, AUG 2013, vol. 34, no. 4, p. 328-349., WOS*
- ADCA236 LE BOULBAR, E.D. - EDWARDS, M.J. - VITTOZ, S. - VANKO, Gabriel - BRINKFELDT, K. - JOHANDER, P. - LALINSKÝ, Tibor - BOWEN, C.R. - ALLSOPP, D.W.E. Effect of bias conditions on pressure sensors based on AlGaIn/GaN high electron mobility transistor. In *Sensors and Actuators A*, 2013, vol. 194, p. 247-251. (3.535 - IF2012). (2013 - Current Contents). ISSN 0925-4005.
- Citácie:
 1. [1.1] MUNUSAMI, R. - YAKKALA, B.R. - PRABHAKAR, S. *In SUPERLATTICES AND MICROSTRUCTURES. DEC 2013, vol. 64, p. 388-398., WOS*
- ADCA237 LIDAY, J. - HOTOVÝ, I. - SITTER, H. - VOGRINČIČ, P. - VINCZE, A. - VÁVRA, Ivo - ŠATKA, A. - ECKE, G. - BONANNI, A. - BREZA, J. - SIMBRUNNER, C. - PLOCHBERGER, B. Investigation of NiOx-based contacts on p-GaN. In *Journal of Materials Science. Materials in Electronics*, 2010, vol. 19, p. 855-862. (1.020 - IF2009). (2010 - Current Contents, SCOPUS). ISSN 0957-4522.
- Citácie:
 1. [1.1] LI, X.J. - ZHAO, D.G. - HE, X.G. - WU, L.L. - LI, L. - YANG, J. - LE, L.C. - CHEN, P. - LIU, Z.S. - JIANG, D.S. *In ACTA PHYSICA SINICA. OCT 2013, vol. 62, no. 20., WOS*
- ADCA238 LOBOTKA, Peter - KUNZO, Pavol - KOVÁČOVÁ, Eva - VÁVRA, Ivo - KRIŽANOVÁ, Zuzana - ŠMATKO, Vasilij - STEJSKAL, J. - KONYUSHENKO, E.N. - OMASTOVÁ, Mária - ŠPITALSKÝ, Zdenko - MIČUŠÍK, Matej - KRUPA, Igor. Thin polyaniline and polyaniline/carbon nanocomposite films for gas sensing. In *Thin Solid Films : international journal on the science and technology of Thin and Thick Films*, 2011, vol. 519, p.4123 - 4127. (1.909 - IF2010). (2011 - Current Contents). ISSN 0040-6090.
- Citácie:
 1. [1.1] CIRIC-MARJANOVIC, G. *Recent advances in polyaniline composites with metals, metalloids and nonmetals. In SYNTHETIC METALS. ISSN 0379-6779, APR 15 2013, vol. 170, p. 31-56., WOS*
 2. [1.1] GHOSH, P. - DATTA, K. - MULCHANDANI, A. - SONKAWADE, R.G. - ASOKAN, K. - SHIRSAT, M.D. *A chemiresistive sensor based on conducting polymer/SWNT composite nanofibrillar matrix-effect of 100 MeV O-16 ion irradiation on gas sensing properties. In SMART MATERIALS AND STRUCTURES. ISSN 0964-1726, MAR 2013, vol. 22, no. 3., WOS*
 3. [1.1] GU, Y.Q. - HUANG, J.G. *Colorimetric detection of gaseous ammonia by polyaniline nanocoating of natural cellulose substances. In COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS. ISSN 0927-7757, SEP 20 2013, vol. 433, p. 166-172., WOS*
 4. [1.1] SINGH, A. - SALMI, Z. - JOSHI, N. - JHA, P. - KUMAR, A. - LECOQ, H. - LAU, S. - CHEHIMI, M.M. - ASWAL, D.K. - GUPTA, S.K. *Photo-induced synthesis of polypyrrole-silver nanocomposite films on N-(3-trimethoxysilylpropyl)pyrrole-modified biaxially oriented polyethylene terephthalate flexible substrates. In RSC ADVANCES. ISSN 2046-2069, 2013, vol. 3, no. 16, p. 5506-5523., WOS*
 5. [1.1] YUN, J. - JEON, S. - KIM, H.I. *Improvement of NO Gas Sensing Properties of Polyaniline/MWCNT Composite by Photocatalytic Effect of TiO2. In JOURNAL OF NANOMATERIALS. ISSN 1687-4110, 2013., WOS*

- ADCA239 LOBOTKA, Peter - DÉRER, Ján - VÁVRA, Ivo - DE JULIÁN FERNANDEZ, C. - MATTEI, G. - MAZZOLDI, P. Singli-electron transport and magnetic properties of Fe-SiO₂ nanocomposites prepared by ion implantation. In Physical Review B : Condensed Matter, 2007, vol. 75, art. no. 024423-1. (3.107 - IF2006). (2007 - Current Contents, WOS, SCOPUS). ISSN 1098-0121.
Citácie:
1. [1.1] BARINOV, I.O. - PROKHOROV, A.V. - ARAKELIAN, S.M. Generation of Entangled Polaritons in Doped Media. In NONLINEAR OPTICS AND APPLICATIONS VII. 2013, vol. 8772., WOS
- ADCA240 LUPTÁK, Roman - FRÖHLICH, Karol - ROSOVÁ, Alica - HUŠEKOVÁ, Kristína - ĎAPAJNA, Milan - MACHAJDÍK, Daniel - JERGEL, Matej - ESPINOS, J.P. - MANSILLA, C. Growth of gadolinium oxide films for advanced MOS structure. In Microelectronic Engineering, 2005, vol. 80, p. 154-157. ISSN 0167-9317.
Citácie:
1. [1.1] YANG, S.S. - GAO, H. - WANG, Y.F. - XIN, S.Y. - HE, Y.M. - WANG, Y.Z. - ZENG, W. In MATERIALS RESEARCH BULLETIN. JAN 2013, vol. 48, no. 1, p. 37-40., WOS
- ADCA241 MAJCHRÁK, Peter - DÉRER, Ján - LOBOTKA, Peter - VÁVRA, Ivo - FRAIT, Z. - HORVÁTH, D. Ferromagnetic resonance study of exchange and dipolar interactions in discontinuous multilayers. In Journal of Applied Physics, 2007, vol. 101, art. No. 113911. (2.316 - IF2006). (2007 - Current Contents, SCOPUS). ISSN 0021-8979.
Citácie:
1. [1.1] SINGH, A.K. - MALLIK, S. - BEDANTA, S. - PERUMAL, A. In JOURNAL OF PHYSICS D-APPLIED PHYSICS. NOV 6 2013, vol. 46, no. 44., WOS
- ADCA242 MAJOROŠ, Milan - GLOWACKI, B.A. - CAMPBELL, A.M. Modelling of the influence of magnetic screening on minimisation of transport AC losses in multifilamentary superconductors. In IEEE Transactions on Applied Superconductivity, 2001, vol. 11, no. 1, p. 2780-2783. (0.791 - IF2000).
Citácie:
1. [1.1] AINSLIE, M.D. - YUAN, W.J. - FLACK, T.J. In IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY. JUN 2013, vol. 23, no. 3, 2., WOS
- ADCA243 MAJOROŠ, Milan. Hysteresis losses at a gap in a thin sheet of hard superconductor carrying alternating transport current. In Physica C. Superconductivity and its applications, 1996, vol. 272, p. 62. (1.710 - IF1995). (1996 - Current Contents, SCOPUS). ISSN 0921-4534.
Citácie:
1. [1.1] BRAMBILLA, R. - GRILLI, F. - MARTINI, L. In APPLIED PHYSICS LETTERS. AUG 26 2013, vol. 103, no. 9., WOS
- ADCA244 MAJOROŠ, Milan - GLOWACKI, B.A. - CAMPBELL, A.M. - APPERLEY, M. - DARMANN, F. Transport ac losses in (Bi, Pb)SrCaCuO-2223/Ag multifilamentary tapes with different filament arrangements. In Physica C, 1999, vol. 323, p. 125-136. (1.086 - IF1998). (1999 - Current Contents). ISSN 0921-4534.
Citácie:
1. [1.1] HUANG, C.G. - YONG, H.D. - ZHOU, Y.H. In JOURNAL OF LOW TEMPERATURE PHYSICS. JUL 2013, vol. 172, no. 1-2, p. 59-69., WOS
- ADCA245 MANKE, C. - BOISSIERE, O. - WEBER, U. - BARBAR, G. - BAUMANN, P.K. - LINDNER, J. - ĎAPAJNA, Milan - FRÖHLICH, Karol. 2D and 3D growth of Ru/RuO₂ metal layers with atomic vapour deposition. In Microelectronic Engineering. - Amsterdam : Elsevier Science Publishers, 2006, vol. 83, p. 2277. ISSN 0167-9317.
Citácie:
1. [1.1] HONG, T.E. - CHOI, S.H. - YEO, S. - PARK, J.Y. - KIM, S.H. - CHEON, T. - KIM, H. - KIM, M.K. - KIM, H. In ECS JOURNAL OF SOLID STATE SCIENCE AND TECHNOLOGY. 2013, vol. 2, no. 3, p. P47-P53., WOS
- ADCA246 MARSO, M. - HEIDELBERG, G. - INDLEKOFER, K.M. - BERNÁT, J. - FOX, A. - KORDOŠ, Peter - LUTH, H. Origin of improved RF performance of AlGaN/GaN MOSHFETs compared to HFETs. In IEEE Transactions on Electron Devices, 2006, vol. 53, p. 1517-1523. (2006 - Current Contents). ISSN 0018-9383.
Citácie:

1. [1.1] HAHN, H. - BEHMENBURG, H. - KETTENISS, N. - HEUKEN, M. - KALISCH, H. - VESCAN, A. In *PHYSICA STATUS SOLIDI C: CURRENT TOPICS IN SOLID STATE PHYSICS*, VOL 10, NO 5. 2013, vol. 10, no. 5, p. 840-843., WOS
2. [1.1] LEE, K.W. - CHEN, W.S. In *ECS SOLID STATE LETTERS*. 2013, vol. 2, no. 2, p. Q9-Q11., WOS
3. [1.1] LIU, H.Y. - CHOU, B.Y. - HSU, W.C. - LEE, C.S. - SHEU, J.K. - HO, C.S. In *IEEE TRANSACTIONS ON ELECTRON DEVICES*. JAN 2013, vol. 60, no. 1, p. 213-220., WOS
4. [1.1] PARDESHI, H. - RAJ, G. - PATI, S. - MOHANKUMAR, N. - SARKAR, C.K. In *SUPERLATTICES AND MICROSTRUCTURES*. AUG 2013, vol. 60, p. 47-59., WOS
- ADCA247 MARTAUS, Jozef - CAMBEL, Vladimír - GREGUŠOVÁ, Dagmar - KÚDELA, Róbert - FEDOR, Ján. 50-nm local anodic oxidation technology of semiconductor heterostructures. In *Journal of Nanoscience and Nanotechnology*, 2010, vol.10, p. 4448-4453. (1.435 - IF2009). (2010 - Current Contents). ISSN 1533-4880.
Citácie:
1. [1.1] CHU, H. - YUN, S. - LEE, H. In *JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY*. DEC 2013, vol. 13, no. 12, p. 8055-8058., WOS
- ADCA248 MARTINEZ, E. - LERA, F. - MARTÍNEZ-LÓPEZ, M. - YANG, Y. - SCHLACHTER, S. - LEZZA, P. - KOVÁČ, Pavol. Quench development and propagation in metal/MgB2 conductors. In *Superconductor Science and Technology*, 2006, vol. 19, p. 143-150. (1.896 - IF2005). (2006 - Current Contents, WOS, SCOPUS). ISSN 0953-2048.
Citácie:
1. [1.1] JARVELA, J. - STENVALL, A. - MIKKONEN, R. In *IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY*. APR 2013, vol. 23, no. 2., WOS
2. [1.1] JARVELA, J. - STENVALL, A. - MIKKONEN, R. In *IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY*. JUN 2013, vol. 23, no. 3, 3., WOS
3. [1.1] LU, W.J. - FANG, J. - LI, D. - WU, C.Y. - GUO, L.J. In *PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS*. JAN 2013, vol. 484, p. 153-158., WOS
4. [1.1] MORANDI, A. - BRESCHI, M. - CASALI, M. - FABRI, M. - FERDEGHINI, C. - GAMBARDELLA, U. - MALAGOLI, A. - PACE, S. - RIBANI, P.L. - ROMANO, G. - SAGGESE, A. - VIGNOLO, M. In *IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY*. JUN 2013, vol. 23, no. 3, 2., WOS
- ADCA249 MENGHESSO, G. - RAMPAZZO, F. - KORDOŠ, Peter - VERZELLESI, G. - ZANONI, E. Current-collapse and hot-electron-reliability characteristics of unpassivated GaN/AlGaN/GaN HEMTs. In *IEEE Transactions on Electron Devices*, 2006, vol. 53, p. 2932. (2006 - Current Contents). ISSN 0018-9383.
Citácie:
1. [1.1] HAYASHI, K. - SASAKI, H. - OISHI, T. In *JAPANESE JOURNAL OF APPLIED PHYSICS*. DEC 2013, vol. 52, no. 12., WOS
2. [1.1] YU, C.H. - LUO, Q.Z. - LUO, X.D. - LIU, P.S. In *SCIENTIFIC WORLD JOURNAL*. 2013., WOS
3. [1.2] Xue, F. *Guti Dianzixue Yanjiu Yu Jinzhan/Research on Progress in Solid State Electronics* 33 (2013) 305, SCOPUS
- ADCA250 MIKULICS, M. - MARSO, M. - WU, S.C. - FOX, A. - LEPSA, M. - GRÜTZMACHER, D. - SOBOLEWSKI, R. - KORDOŠ, Peter. Sensitivity enhancement of metal-semiconductor-metal photodetectors on low-temperature-grown GaAs using alloyed contacts. In *IEEE Photonics Technology Letters*, 2008, vol. 20, p. 1054-1056. (2.015 - IF2007). (2008 - Current Contents).
Citácie:
1. [1.1] WANG, P. - ZHEN, Q.H. - TANG, Q. - YANG, Y.T. - GUO, L.X. - DING, K. - HUANG, F. In *OPTICS EXPRESS*. JUL 29 2013, vol. 21, no. 15, p. 18387-18397., WOS
- ADCA251 MIKULICS, M. - MARSO, M. - LEPSA, M. - GRÜTZMACHER, D. - KORDOŠ, Peter. Output power improvement in MSM photomixers by modified finger contacts configuration. In *IEEE Photonics Technology Letters*, 2009, vol. 21, p. 146-148. (2.173 - IF2008). (2009 - Current Contents).
Citácie:

1. [1.1] DU, M.D. - SUN, J.Q. - QIN, Y. - LIAO, J.F. In CHINESE PHYSICS LETTERS. JUL 2013, vol. 30, no. 7., WOS
2. [1.1] KHIABANI, N. - HUANG, Y. - SHEN, Y.C. - SAJAK, A.A. In 2013 LOUGHBOROUGH ANTENNAS AND PROPAGATION CONFERENCE (LAPC). 2013, p. 307-310., WOS
3. [1.1] TANOTO, H. - TENG, J.H. - WU, Q.Y. - SUN, M. - CHEN, Z.N. - MAIER, S.A. - WANG, B. - CHUM, C.C. - SI, G.Y. - DANNER, A.J. - CHUA, S.J. In SCIENTIFIC REPORTS. OCT 8 2013, vol. 3., WOS
- ADCA252 MIKULICS, M. - MICHAEL, E. - SCHIEDER, R. - STUTZKI, J. - GÜSTEN, R. - MARSO, M. - VAN DER HART, A. - BOCHEM, H.P. - LÜTH, Hans - KORDOŠ, Peter. Travelling-wave photomixer with recessed interdigitated contacts on low-temperature-grown GaAs. In Applied Physics Letters. - American Institute of Physics, 2006, vol. 88, p. 041118. (4.127 - IF2005). (2006 - Current Contents, SCOPUS). ISSN 0003-6951.
Citácie:
1. [1.1] DENINGER, A. In HANDBOOK OF TERAHERTZ TECHNOLOGY FOR IMAGING, SENSING AND COMMUNICATIONS. 2013, no. 34, p. 327-373., WOS
2. [1.1] YANG, K. - CAO, J.Q. - HUANG, C. - JI, T. - ZHANG, Z.Y. - LIU, Q. - WU, S.W. - LIN, J. - ZHAO, H.W. - ZHU, Z.Y. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS. JUL 15 2013, vol. 307, p. 199-202., WOS
- ADCA253 MIKULICS, M. - MICHAEL, E. - MARSO, M. - LEPSA, M. - VAN DER HART, A. - LÜTH, Hans - DEWALD, A. - STANČEK, S. - MOZOLIK, M. - KORDOŠ, Peter. Traveling-wave photomixers fabricated on high energy nitrogen-ion-implanted GaAs. In Applied Physics Letters, 2006, vol. 89, p. 071103. (4.127 - IF2005). (2006 - Current Contents, SCOPUS). ISSN 0003-6951.
Citácie:
1. [1.1] DENINGER, A. In HANDBOOK OF TERAHERTZ TECHNOLOGY FOR IMAGING, SENSING AND COMMUNICATIONS. 2013, no. 34, p. 327-373., WOS
2. [1.1] YANG, K. - CAO, J.Q. - HUANG, C. - JI, T. - ZHANG, Z.Y. - LIU, Q. - WU, S.W. - LIN, J. - ZHAO, H.W. - ZHU, Z.Y. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS. JUL 15 2013, vol. 307, p. 199-202., WOS
- ADCA254 MIKULICS, M. - MARSO, M. - MANTL, S. - LÜTH, Hans - KORDOŠ, Peter. GaAs photodetectors prepared by high-energy and high-dose nitrogen implantation. In Applied Physics Letters, 2006, vol. 89, 091103. (4.127 - IF2005). (2006 - Current Contents, SCOPUS). ISSN 0003-6951.
Citácie:
1. [1.1] DENINGER, A. In HANDBOOK OF TERAHERTZ TECHNOLOGY FOR IMAGING, SENSING AND COMMUNICATIONS. 2013, no. 34, p. 327-373., WOS
2. [1.1] MEMISOGLU, G. - VARLIKLI, C. - DIKER, H. In JOURNAL OF ELECTRONIC MATERIALS. DEC 2013, vol. 42, no. 12, p. 3502-3511., WOS
- ADCA255 MIKULICS, M. - STOKLAS, Roman - DADGAR, A. - GREGUŠOVÁ, Dagmar - NOVÁK, Jozef - GRÜTZMACHER, D. - KROST, A. - KORDOŠ, Peter. InAlN/GaN/Si heterostructures and field-effect transistors with lattice matched and tensely or compressively strained InAlN. In Applied Physics Letters, 2010, vol. 97, art. no. 173505. (3.554 - IF2009). (2010 - Current Contents, SCOPUS). ISSN 0003-6951.
Citácie:
1. [1.1] CHEN, H.R. - YANG, L.A. - LONG, S. - HAO, Y. In JOURNAL OF APPLIED PHYSICS. MAY 21 2013, vol. 113, no. 19., WOS
2. [1.1] YANG, Y.N. - WANG, X.Q. - LU, L.W. - HUANG, C.C. - XU, F.J. - SHEN, B. In ACTA PHYSICA SINICA. SEP 2013, vol. 62, no. 17., WOS
3. [1.1] ZHANG, X.F. - WANG, L. - LIU, J. - WEI, L. - XU, J. In CHINESE PHYSICS B. JAN 2013, vol. 22, no. 1., WOS
- ADCA256 MITRÓOVÁ, Zuzana - TOMAŠOVIČOVÁ, Natália - TIMKO, Milan - KONERACKÁ, Martina - KOVÁČ, Jozef - JADZYN, Jan - VÁVRA, Ivo - ÉBER, Nándor - TÓTH-KATONA, Tibor - BEAUGNON, Eric - CHAUD, Xavier - KOPČANSKÝ, Peter. The sensitivity of liquid crystal doped with functionalized carbon nanotubes to external

- magnetic fields. In *New Journal of Chemistry*, 2011, vol. 35, no. 6, p. 1260-1264. (2.631 - IF2010). (2011 - Current Contents, WOS, SCOPUS). ISSN 1144-0546.
- Citácie:
 1. [1.1] *TRIPATHI, Shashank - PRAKASH, Jai - CHANDRAN, Achu - JOSHI, Tilak - KUMAR, Anil - DHAR, Ajay - BIRADAR, Ashok M. Enhanced dielectric and electro-optical properties of a newly synthesised ferroelectric liquid crystal material by doping gold nanoparticle-decorated multiwalled carbon nanotubes. In LIQUID CRYSTALS, 2013, vol. 40, no. 9, p. 1255-1262., WOS*
- ADCA257 MORVIC, Marian - BETKO, Július. Planar Hall effect in Hall sensors made from InP/InGaAs heterostructure. In *Sensors and Actuators A*, 2005, vol. 120, p. 130-133.
- Citácie:
 1. [1.1] *REN, K. - MCCONNELL, C.A. - GAN, Y.X. - AFJEH, A.A. - ZHANG, L.H. In ELECTROCHIMICA ACTA. OCT 30 2013, vol. 109, p. 162-167., WOS*
- ADCA258 MORVIC, Marian - BOHÁČEK, Pavol - BETKO, Július - DUBECKÝ, František - HURAN, Jozef - SEKÁČOVÁ, Mária. Electrical properties of semi-insulating GaAs irradiated with neutrons. In *Nuclear Instruments and Methods in Physical Research B*, 2002, vol. 197, p. 240-246. ISSN 0168-583X.
- Citácie:
 1. [1.1] *SEDLACKOVA, K. - ZATKO, B. - SAGATOVA, A. - NECAS, V. In NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT. MAY 1 2013, vol. 709, p. 63-67., WOS*
- ADCA259 MOŠKO, Martin - MOŠKOVÁ, Antónia. Ensemble Monte Carlo simulation of electron-electron scattering: improvements of conventional methods. In *Physical Review B*, 1991, vol. 44, p. 10794-10803.
- Citácie:
 1. [1.1] *SPEZIA, S. - ADORNO, D.P. - PIZZOLATO, N. - SPAGNOLO, B. In EPL. NOV 2013, vol. 104, no. 4., WOS*
- ADCA260 MOŠKOVÁ, Antónia - MOŠKO, Martin. Exchange carrier-carrier scattering of photoexcited spin-polarized carriers in GaAs quantum wells: Monte Carlo study. In *Physical Review B*, 1994, vol. 49, p. 7443.
- Citácie:
 1. [1.1] *SPEZIA, S. - ADORNO, D.P. - PIZZOLATO, N. - SPAGNOLO, B. In EPL. NOV 2013, vol. 104, no. 4., WOS*
- ADCA261 MURPHY, J. - MULLINS, J.M. - BARNES, P.N. - HAUGAN, T.J. - LEVIN, G.A. - MAJOROŠ, Milan - SUMPTION, M.D. - COLLINGS, E.W. - POLÁK, Milan - MOZOLA, Pavol. Experiment setup for calorimetric measurements of losses in HTS coils due to AC current and external magnetic fields. In *IEEE Transactions on Applied Superconductivity*, 2013, vol. 23, p. 4701505. (1.199 - IF2012). (2013 - Current Contents, SCOPUS). ISSN 1051-8223.
- Citácie:
 1. [1.1] *NGUYEN, D.N. - KIM, C.H. - KIM, J.H. - PAMIDI, S. - ASHWORTH, S.P. In SUPERCONDUCTOR SCIENCE & TECHNOLOGY. SEP 2013, vol. 26, no. 9., WOS*
- ADCA262 NEČAS, V. - LY ANH, T. - SEKÁČOVÁ, Mária - DARMO, Juraj - DUBECKÝ, František - PERĐOCHOVÁ, A. Investigation of performance of semi-insulating GaAs detectors irradiated by high ϕ doses. In *Nuclear Instruments and Methods in Physics Research A*, 2001, vol. 458, p. 348-351. ISSN 0168-9002.
- Citácie:
 1. [1.1] *ABHIRAMI, K.M. - SATHYAMOORTHY, R. - ASOKAN, K. In RADIATION PHYSICS AND CHEMISTRY. OCT 2013, vol. 91, p. 35-39., WOS*
- ADCA263 NÉMETH, Radoslav - MOŠKO, Martin. One-dimensional ring with Kronig–Penney periodic potential: Persistent currents at full filling. In *Physica E*, 2008, vol. 40, p. 1498-1500. (0.830 - IF2007).
- Citácie:
 1. [1.1] *XIAO, S.L. - YANG, X.B. - CAI, L.Z. - LIU, T.C. In EUROPEAN PHYSICAL JOURNAL B. MAR 2013, vol. 86, no. 3., WOS*
- ADCA264 NOVÁK, Jozef - VÁVRA, Ivo - KRIŽANOVÁ, Zuzana - HASENÖHRL, Stanislav -

- ŠOLTÝS, Ján - REIFFERS, Marián - ŠTRICHOVANEC, Pavol. Dependence of Curie temperature on the surface strain in InMnAs epitaxial structures. In Applied Surface Science, 2010, vol. 256, no. 18, p. 5672-5675. (1.616 - IF2009). (2010 - Current Contents). ISSN 0169-4332.
- Citácie:
 1. [1.1] BOURAVLEUV, A.D. - NEVEDOMSKII, V.N. - UBYIVOVK, E.V. - SAPEGA, V.F. - KHREBTOV, A.I. - SAMSONENKO, Y.B. - CIRLIN, G.E. - USTINOV, V.M. In SEMICONDUCTORS. AUG 2013, vol. 47, no. 8, p. 1037-1040., WOS
- ADCA265 NOVÁK, Jozef - TELEK, P. - VÁVRA, Ivo - HASENÖHRL, Stanislav - REIFFERS, Marián. MOVPE growth and properties of light emitting diodes with an incorporated InMnAs ferromagnetic layer. In Journal of Crystal Growth, 2011, vol. 315, no. 1, p. 78-81. (1.746 - IF2010). (2011 - Current Contents, WOS, SCOPUS). ISSN 0022-0248.
- Citácie:
 1. [1.1] PUDIS, D. - SUSLIK, L. - SKRINIAROVA, J. - KOVAC, J. - KOVAC, J. - KUBICOVA, I. - MARTINCEK, I. - HASCIK, S. - SCHAAF, P. In APPLIED SURFACE SCIENCE. MAR 15 2013, vol. 269, p. 161-165., WOS
- ADCA266 NOVÁK, Jozef - ŠOLTÝS, Ján - ELIÁŠ, Peter - HASENÖHRL, Stanislav - VÁVRA, Ivo. Study of the growth and structural properties of InMnAs dots grown on high-index surfaces by MOVPE. In Materials science in semiconductor processing, 2010, vol. 13, p. 167-172. (0.388 - IF2009). (2010 - Current Contents). ISSN 1369-8001.
- Citácie:
 1. [1.1] BOURAVLEUV, A.D. - NEVEDOMSKII, V.N. - UBYIVOVK, E.V. - SAPEGA, V.F. - KHREBTOV, A.I. - SAMSONENKO, Y.B. - CIRLIN, G.E. - USTINOV, V.M. In SEMICONDUCTORS. AUG 2013, vol. 47, no. 8, p. 1037-1040., WOS
- ADCA267 NOVÁK, Jozef - MORVIC, Marian - BETKO, Július - FÖRSTER, A. - KORDOŠ, Peter. Wet chemical separation of low-temperature GaAs layers from their GaAs substrate. In Materials Science and Engineering B, 1996, vol. 40, p. 58. (1996 - Current Contents). ISSN 0921-5107.
- Citácie:
 1. [1.2] Renteria, E.J., Ahirwar, P., Clark, S.P.R., Romero, O.S., Addamane, S., Hains, C.P., Rotter, T.J., Dawson, L.R., Lavrova, O., Lester, L.F., Balakrishnan, G. Conference Record of the IEEE Photovoltaic Specialists Conference 2013, Art. no 6744973, Pp 2459-2461, SCOPUS
- ADCA268 NOVÁK, Jozef - HASENÖHRL, Stanislav - ALONSO, M.I. - GARRIGA, M. Influence of tensile and compressive strain on the band gap energy of ordered InGaP. In Applied Physics Letters, 2001, vol. 79, p. 2758-2760. (3.906 - IF2000). ISSN 0003-6951.
- Citácie:
 1. [1.1] KINACI, B. - OZEN, Y. - KIZILKAYA, K. - ASAR, T. - CETIN, S.S. - BOYALI, E. - OZTURK, M.K. - MEMMEDLI, T. - OZCELIK, S. In JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS. APR 2013, vol. 24, no. 4, p. 1375-1381., WOS
- ADCA269 OSTERMAIER, C. - POZZOVIVO, G. - CARLIN, J.-F. - BASNAR, B. - SCHRENK, W. - DOUVRY, Y. - GAQUIERE, C. - ČIČO, Karol - FRÖHLICH, Karol - GONSCHOREK, M. - GRANDJEAN, N. - STRASSER, G. - POGANY, D. - KUZMÍK, Ján. Ultrathin InAlN/AlN barrier HEMT with high performance in normally off operation. In IEEE Electron Devices Letters, 2009, vol. 30, p. 1030-1032. (3.049 - IF2008). (2009 - Current Contents). ISSN 0741-3106.
- Citácie:
 1. [1.1] KIM, S. - KIM, H.J. - CHOI, S. - LOCHNER, Z. - RYOU, J.H. - DUPUIS, R.D. - AHN, K.S. - KIM, H. In JAPANESE JOURNAL OF APPLIED PHYSICS. OCT 2013, vol. 52, no. 10, 2, SI., WOS
 2. [1.1] KIM, S. - KIM, H.J. - CHOI, S. - RYOU, J.H. - DUPUIS, R.D. - AHN, K.S. - KIM, H. In JAPANESE JOURNAL OF APPLIED PHYSICS. OCT 2013, vol. 52, no. 10, 2, SI., WOS
 3. [1.1] PANG, L. - KIM, K. In 2013 IEEE POWER AND ENERGY CONFERENCE AT ILLINOIS (PECI). 2013, p. 8-12., WOS
 4. [1.1] ROSSETTO, I. - RAMPAZZO, F. - SILVESTRI, R. - ZANANDREA, A. - DUA, C. -

- DELAGE, S. - OUALLI, M. - MENEGHINI, M. - ZANONI, E. - MENEGHESSO, G. In MICROELECTRONICS RELIABILITY. SEP-NOV 2013, vol. 53, no. 9-11, SI, p. 1476-1480., WOS*
- 5. [1.1] SARIKAVAK-LISESIVDIN, B. - LISESIVDIN, S.B. - OZBAY, E. In CURRENT APPLIED PHYSICS. JAN 2013, vol. 13, no. 1, p. 224-227., WOS*
- ADCA270 OSTERMAIER, C. - POZZOVIVO, G. - BASNAR, B. - SCHRENK, W. - SCHMID, M. - TÓTH, L. - PÉCZ, B. - CARLIN, J.-F. - GONSCHOREK, M. - GRANDJEAN, N. - STRASSER, G. - POGANY, D. - KUZMÍK, Ján. Metal-related gate sinking due to interfacial oxygen layer in Ir/InAlN high electron mobility transistors. In Applied Physics Letters, 2010, vol. 96, 263515. (3.554 - IF2009). (2010 - Current Contents, SCOPUS). ISSN 0003-6951.
- Citácie:
- 1. [1.1] LI, L.A. - KISHI, A. - SHIRAIISHI, T. - JIANG, Y. - WANG, Q.P. - AO, J.P. - OHNO, Y. In JAPANESE JOURNAL OF APPLIED PHYSICS. NOV 2013, vol. 52, no. 11, 2, SI., WOS*
- 2. [1.1] VALLO, M. - LALINSKY, T. - DOBROCKA, E. - VANKO, G. - VINCZE, A. - RYGER, I. In APPLIED SURFACE SCIENCE. FEB 15 2013, vol. 267, p. 159-163., WOS*
- ADCA271 OSVALD, Jozef - KUZMÍK, Ján - KONSTANTINIDIS, G. - LOBOTKA, Peter - GEORGAKILAS, A. Temperature dependence of Ni/Au/n-GaN Schottky diodes I-V characteristics. In Microelectronic Engineering, 2005, vol. 81, p. 181-187. ISSN 0167-9317.
- Citácie:
- 1. [1.1] ELGAWADI, A. - GAINER, G. - KRASINSKI, J. In JOURNAL OF PHYSICS-CONDENSED MATTER. AUG 21 2013, vol. 25, no. 33., WOS*
- 2. [1.1] PETA, K.R. - LEE, S.T. - KIM, M.D. - OH, J.E. - KIM, S.G. - KIM, T.G. In JOURNAL OF CRYSTAL GROWTH. SEP 1 2013, vol. 378, p. 299-302., WOS*
- ADCA272 OSVALD, Jozef - DOBROČKA, Edmund. Generalized approach to the parameter extraction from Schottky diodes I-V characteristics. In Semiconductor Science and Technology, 1996, vol. 11, p. 1198-1202. (1996 - Current Contents). ISSN 0268-1242.
- Citácie:
- 1. [1.1] EFEGLU, H. - TURUT, A. In INTERNATIONAL JOURNAL OF MODERN PHYSICS B. JUL 30 2013, vol. 27, no. 19., WOS*
- ADCA273 OSVALD, Jozef. Series resistance influence on intersecting behaviour of inhomogeneous Schottky diodes I-V curves. In Solid-State Electronics, 2006, vol. 50, p. 228-231. (2006 - Current Contents). ISSN 0038-1101.
- Citácie:
- 1. [1.1] AFANDIYEVA, I.M. - DEMIREZEN, S. - ALTINDAL, S. In JOURNAL OF ALLOYS AND COMPOUNDS. MAR 5 2013, vol. 552, p. 423-429., WOS*
- 2. [1.1] ALTUNTAS, H. - OZCELIK, S. In JOURNAL OF ALLOYS AND COMPOUNDS. NOV 15 2013, vol. 577, p. 143-147., WOS*
- 3. [1.1] ARSLAN, E. - TURHAN, S. - GOKDEN, S. - TEKE, A. - OZBAY, E. In THIN SOLID FILMS. DEC 2 2013, vol. 548, p. 411-418., WOS*
- 4. [1.1] BOBBY, A. - VERMA, S. - ASOKAN, K. - SARUN, P.M. - ANTONY, B.K. In PHYSICA B-CONDENSED MATTER. DEC 15 2013, vol. 431, p. 6-10., WOS*
- ADCA274 OSVALD, Jozef. Intersecting behaviour of nanoscale Schottky diodes I-V curves. In Solid State Communications : an international journal, 2006, vol. 138, p. 39-42. (1.489 - IF2005). (2006 - Current Contents, WOS, SCOPUS). ISSN 0038-1098.
- Citácie:
- 1. [1.1] ARSLAN, E. - TURHAN, S. - GOKDEN, S. - TEKE, A. - OZBAY, E. In THIN SOLID FILMS. DEC 2 2013, vol. 548, p. 411-418., WOS*
- 2. [1.1] BOUZAZI, B. - KOJIMA, N. - OHSHITA, Y. - YAMAGUCHI, M. In JOURNAL OF ALLOYS AND COMPOUNDS. MAR 5 2013, vol. 552, p. 469-474., WOS*
- 3. [1.1] KIM, H. - SOHN, A. - CHO, Y. - KIM, D.W. In JOURNAL OF ELECTRONIC PACKAGING. MAR 2013, vol. 135, no. 1., WOS*
- 4. [1.1] LEE, H. - LEE, Y.K. - VAN, T.N. - PARK, J.Y. In APPLIED PHYSICS LETTERS. OCT 21 2013, vol. 103, no. 17., WOS*
- 5. [1.1] WANG, M.Z. - LIANG, F.X. - NIE, B. - ZENG, L.H. - ZHENG, L.X. - LV, P. - YU, Y.Q. - XIE, C. - LI, Y.Y. - LUO, L.B. In PARTICLE & PARTICLE SYSTEMS*

- CHARACTERIZATION. JUL 2013, vol. 30, no. 7, p. 630-636., WOS*
- ADCA275 OSVALD, Jozef. Temperature dependence of barrier height parameters of inhomogeneous Schottky diodes. In *Microelectronic Engineering*, 2009, vol. 86, p. 117-120. (1.583 - IF2008). (2009 - Current Contents). ISSN 0167-9317.
Citácie:
1. [1.1] *BIREL, O. - KAVASOGLU, N. - KAVASOGLU, A.S. - DINCALP, H. - METIN, B. In PHYSICA B-CONDENSED MATTER. MAR 1 2013, vol. 412, p. 64-69., WOS*
2. [1.1] *SAGLAM, M. - GUZELDIR, B. - ATES, A. - BUGUR, E. In JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS. FEB 2013, vol. 74, no. 2, p. 370-376., WOS*
3. [1.1] *ZHAO, M. - LIU, X.Y. - ZHENG, Y.K. - LI, Y.K. - OUYANG, S.H. In MATERIALS SCIENCE AND ENGINEERING B-ADVANCED FUNCTIONAL SOLID-STATE MATERIALS. APR 20 2013, vol. 178, no. 7, p. 465-470., WOS*
- ADCA276 OSVALD, Jozef. Numerical study of electrical transport in inhomogeneous Schottky diodes. In *Journal of Applied Physics*, 1999, vol. 85, p. 1935-1942. (1.729 - IF1998). (1999 - Current Contents, WOS, SCOPUS). ISSN 0021-8979.
Citácie:
1. [1.1] *BOBBY, A. - VERMA, S. - ASOKAN, K. - SARUN, P.M. - ANTONY, B.K. In PHYSICA B-CONDENSED MATTER. DEC 15 2013, vol. 431, p. 6-10., WOS*
- ADCA277 OSVALD, Jozef - HORVÁTH, Zs.J. Theoretical study of the temperature dependence of electrical characteristics of Schottky diodes with an inverse near-surface layer. In *Applied Surface Science*, 2004, vol. 234, p. 349-354. ISSN 0169-4332.
Citácie:
1. [1.1] *AFANDIYEVA, I.M. - DEMIREZEN, S. - ALTINDAL, S. In JOURNAL OF ALLOYS AND COMPOUNDS. MAR 5 2013, vol. 552, p. 423-429., WOS*
2. [1.1] *KIM, H. - SOHN, A. - CHO, Y. - KIM, D.W. In JOURNAL OF ELECTRONIC PACKAGING. MAR 2013, vol. 135, no. 1., WOS*
3. [1.1] *KORKUT, H. In NANO-MICRO LETTERS. 2013, vol. 5, no. 1, p. 34-39., WOS*
4. [1.1] *KORUCU, D. - DUMAN, S. In THIN SOLID FILMS. MAR 15 2013, vol. 531, p. 436-441., WOS*
5. [1.1] *KORUCU, D. - TURUT, A. - EFEOGLU, H. In PHYSICA B-CONDENSED MATTER. APR 1 2013, vol. 414, p. 35-41., WOS*
6. [1.1] *YUKSEL, O.F. - TUGLUOGLU, N. - SAFAK, H. - NALCACIGIL, Z. - KUS, M. - KARADENIZ, S. In THIN SOLID FILMS. MAY 1 2013, vol. 534, p. 614-620., WOS*
- ADCA278 OSVALD, Jozef. Comment on „Negative Schottky barrier between titanium and n-type Si(001) for low-resistance ohmic contacts. In *Solid-State Electronics*. - Oxford : Elsevier, 2004, vol. 48, p. 2347-2349. ISSN 0038-1101.
Citácie:
1. [1.1] *TONG, Y. - HAN, G.Q. - LIU, B. - YANG, Y. - WANG, L.X. - WANG, W. - YEO, Y.C. In IEEE TRANSACTIONS ON ELECTRON DEVICES. FEB 2013, vol. 60, no. 2, SI, p. 746-752., WOS*
- ADCA279 OSVALD, Jozef - BURIAN, Eduard. C-V dependence of inhomogeneous Schottky diodes. In *Solid-State Electronics*, 1998, vol. 42, p. 191-195. (0.500 - IF1997). (1998 - Current Contents). ISSN 0038-1101.
Citácie:
1. [1.1] *KARATAS, S. - YILDIRIM, N. - TURUT, A. In SUPERLATTICES AND MICROSTRUCTURES. DEC 2013, vol. 64, p. 483-494., WOS*
- ADCA280 OSVALD, Jozef. Influence of deep levels on capacitance-voltage characteristics of AlGaIn/GaN heterostructures. In *Journal of Applied Physics*, 2011, vol. 110, art. no. 073702. (2.079 - IF2010). (2011 - Current Contents). ISSN 0021-8979.
Citácie:
1. [1.1] *BERA, L.K. - THAM, W.H. - KAJEN, R.S. - DOLMANAN, S.B. - KUMAR, M.K. - LIN, V.K.X. - ANG, D.S. - BHAT, T.N. - YAKOVLEV, N. - TRIPATHY, S. In ECS SOLID STATE LETTERS. 2013, vol. 2, no. 12, p. Q105-Q108., WOS*
2. [1.1] *YANG, Y.N. - WANG, X.Q. - LU, L.W. - HUANG, C.C. - XU, F.J. - SHEN, B. In ACTA PHYSICA SINICA. SEP 2013, vol. 62, no. 17., WOS*
- ADCA281 PAASI, J. - KALLIOHAKA, T. - KORPELA, A. - SÖDERLUND, L. - HERRMANN, P.F. - KVITKOVIČ, Jozef - MAJOROŠ, Milan. Homogeneity studies of multifilamentary

BSCCO tapes by three-axis Hall sensor magnetometry. In IEEE Transactions on Applied Superconductivity, 1999, vol. 9, p. 1598-1600. (0.782 - IF1998). (1999 - Current Contents, WOS, SCOPUS).

Citácie:

1. [1.1] GARCIA-MARTIN, J. - GOMEZ-GIL, J. In RUSSIAN JOURNAL OF NONDESTRUCTIVE TESTING. AUG 2013, vol. 49, no. 8, p. 482-491., WOS
2. [1.1] ZOU, S.N. - GU, C. - QU, T.M. - HAN, Z. In REVIEW OF SCIENTIFIC INSTRUMENTS. OCT 2013, vol. 84, no. 10., WOS

ADCA282 PACHLA, W. - MARCINIAK, H. - SZULC, A. - WROBLEVSKI, M. - KOVÁČ, Pavol - HUŠEK, Imrich - MELIŠEK, Tibor. Investigation of texture formation and phase transition in press-, CIP- and roll-sintered Ag-sheathed Bi(2223) tapes. In IEEE Transactions on Applied Superconductivity, 1997, vol. 7, p. 2090. (0.763 - IF1996). (1997 - Current Contents).

Citácie:

1. [1.1] YAO, C. - LIN, H. - ZHANG, X.P. - WANG, D.L. - ZHANG, Q.J. - MA, Y.W. - AWAJI, S. - WATANABE, K. In SUPERCONDUCTOR SCIENCE & TECHNOLOGY. JUL 2013, vol. 26, no. 7., WOS

ADCA283 PACHLA, W. - KOVÁČ, Pavol - HUŠEK, Imrich - MELIŠEK, Tibor - MÜLLER, M. - ŠTRBÍK, Vladimír - MAZUR, A. - PRESZ, A. The effect of hydrostatic extrusion on the Jc (B) characteristic of ex situ MgB2 wires. In Superconductor Science and Technology, 2005, vol. 18, p. 552-556. (1.556 - IF2004). (2005 - Current Contents, WOS, SCOPUS). ISSN 0953-2048.

Citácie:

1. [1.1] BHADARIA, P.P.S. - GUPTA, A. - KISHAN, H. - NARLIKAR, A.V. In JOURNAL OF APPLIED PHYSICS. FEB 14 2013, vol. 113, no. 6., WOS

ADCA284 PACHLA, W. - PRESZ, A. - DIDUSZKO, R. - KOVÁČ, Pavol - HUŠEK, Imrich. Structural inhomogeneity of superconducting ex situ MgB2/Cu wires made by the powder-in-tube technique. In Superconductor Science and Technology, 2002, vol. 15, p. 1281-1287. (1.511 - IF2001). (2002 - Current Contents, WOS, SCOPUS). ISSN 0953-2048.

Citácie:

1. [1.1] LIU, G.Q. - SUN, Y.Y. - WANG, Q.Y. - FENG, J.Q. - JIA, J.L. - YAN, G. - LI, C.S. In RARE METAL MATERIALS AND ENGINEERING. FEB 2013, vol. 42, no. 2, p. 396-399., WOS

ADCA285 PARDO, Enric - GÖMÖRY, Fedor - ŠOUC, Ján - CEBALLOS, J.M. Current distribution and ac loss for a superconducting rectangular strip with in-phase alternating current and applied field. In Superconductor Science and Technology. - Bristol : IOP Publishing Ltd., 2007, vol. 20, p. 351-364. (1.440 - IF2006). (2007 - Current Contents, SCOPUS). ISSN 0953-2048.

Citácie:

1. [1.1] GU, C. - QU, T.M. - LI, X.F. - HAN, Z.H. In IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY. APR 2013, vol. 23, no. 2., WOS
2. [1.1] NAVAU, C. - DEL-VALLE, N. - SANCHEZ, A. In IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY. FEB 2013, vol. 23, no. 1., WOS
3. [1.1] RUIZ, H.S. - BADIA-MAJOS, A. - GENENKO, Y.A. - YAMPOLSKII, S.V. In IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY. JUN 2013, vol. 23, no. 3, 3., WOS
4. [1.1] RUIZ, H.S. - BADIA-MAJOS, A. In JOURNAL OF APPLIED PHYSICS. MAY 21 2013, vol. 113, no. 19., WOS
5. [1.1] ZERMENO, V.M.R. - GRILLI, F. - SIROIS, F. In SUPERCONDUCTOR SCIENCE & TECHNOLOGY. MAY 2013, vol. 26, no. 5., WOS
6. [1.1] ZHILICHEV, Y. In IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY. AUG 2013, vol. 23, no. 4., WOS

ADCA286 PARDO, Enric - VOJENČIAK, Michal - GÖMÖRY, Fedor - ŠOUC, Ján. Low-magnetic-field dependence and anisotropy of the critical current density in coated conductors. In Superconductor Science and Technology, 2011, vol. 24, art. no. 065007. (2.402 - IF2010). (2011 - Current Contents, SCOPUS). ISSN 0953-2048.

Citácie:

1. [1.1] CHEN, Y.R. - ZHANG, M. - CHUDY, M. - MATSUDA, K. - COOMBS, T. In *PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS*. APR 2013, vol. 487, p. 31-36., WOS
2. [1.1] CHEN, Y.R. - ZHANG, M. - CHUDY, M. - MATSUDA, K. - COOMBS, T. In *PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS*. JUN 2013, vol. 489, p. 1-7., WOS
3. [1.1] CHEN, Y.R. - ZHANG, M. - CHUDY, M. - WANG, W. - ZHONG, Z.Y. - HUANG, Z. - COOMBS, T. In *IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY*. JUN 2013, vol. 23, no. 3, 3., WOS
4. [1.1] NAKAO, K. - HIRATA, N. - ITOH, A. - MURAYAMA, Y. - SEKI, T. - MACHI, T. - TANABE, K. In *SUPERCONDUCTOR SCIENCE & TECHNOLOGY*. MAY 2013, vol. 26, no. 5., WOS
5. [1.1] PITEL, J. In *SUPERCONDUCTOR SCIENCE & TECHNOLOGY*. DEC 2013, vol. 26, no. 12., WOS
6. [1.1] SU, X.L. - XIONG, L.T. - GAO, Y.W. - ZHOU, Y.H. In *JOURNAL OF LOW TEMPERATURE PHYSICS*. JUL 2013, vol. 172, no. 1-2, p. 154-161., WOS
- ADCA287 PARDO, Enric - ŠOUČ, Ján - VOJENČIAK, Michal. AC loss measurement and simulation of a coated conductor pancake coil with ferromagnetic parts. In *Superconductor Science and Technology*, 2009, vol. 22, art. no. 075007. (1.847 - IF2008). (2009 - Current Contents, WOS, SCOPUS). ISSN 0953-2048.
- Citácie:
1. [1.1] AINSLIE, M.D. - YUAN, W.J. - FLACK, T.J. In *IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY*. JUN 2013, vol. 23, no. 3, 2., WOS
2. [1.1] AMARO, N. - PINA, J.M. - MARTINS, J. - CEBALLOS, J.M. In *TECHNOLOGICAL INNOVATION FOR THE INTERNET OF THINGS*. 2013, vol. 394, p. 449-456., WOS
3. [1.1] JIANG, Z.A. - LONG, N.J. - BADCOCK, R.A. - STAINES, M. - SLADE, R.A. - CAPLIN, A.D. - AMEMIYA, N. In *SUPERCONDUCTOR SCIENCE & TECHNOLOGY*. MAR 2012, vol. 25, no. 3., WOS
- ADCA288 PARDO, Enric - ŠOUČ, Ján - KOVÁČ, Ján. AC loss in ReBCO pancake coils and stacks of them: modelling and measurement. In *Superconductor Science and Technology*, 2012, vol. 25, art. no. 035003. (2.662 - IF2011). (2012 - Current Contents, WOS, SCOPUS). ISSN 0953-2048.
- Citácie:
1. [1.1] CHEN, Y.R. - ZHANG, M. - CHUDY, M. - MATSUDA, K. - COOMBS, T. In *PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS*. APR 2013, vol. 487, p. 31-36., WOS
2. [1.1] CHEN, Y.R. - ZHANG, M. - CHUDY, M. - MATSUDA, K. - COOMBS, T. In *PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS*. JUN 2013, vol. 489, p. 1-7., WOS
3. [1.1] CHUDY, M. - CHEN, Y.R. - ZHANG, M. - COOMBS, T.A. In *SUPERCONDUCTOR SCIENCE & TECHNOLOGY*. JUL 2013, vol. 26, no. 7., WOS
4. [1.1] GRINENKO, V. - FUCHS, G. - NENKOV, K. - HOLZAPFEL, B. In *SUPERCONDUCTOR SCIENCE & TECHNOLOGY*. MAR 2013, vol. 26, no. 3., WOS
- ADCA289 PARDO, Enric. Modeling of coated conductor pancake coils with a large number of turns. In *Superconductor Science and Technology*, 2008, vol. 21, art. no. 065014. (2.547 - IF2007). (2008 - Current Contents, SCOPUS). ISSN 0953-2048.
- Citácie:
1. [1.1] CHEN, Y.R. - ZHANG, M. - CHUDY, M. - MATSUDA, K. - COOMBS, T. In *PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS*. APR 2013, vol. 487, p. 31-36., WOS
2. [1.1] CHEN, Y.R. - ZHANG, M. - CHUDY, M. - MATSUDA, K. - COOMBS, T. In *PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS*. JUN 2013, vol. 489, p. 1-7., WOS
3. [1.1] CHEN, Y.R. - ZHANG, M. - CHUDY, M. - WANG, W. - ZHONG, Z.Y. - HUANG, Z. - COOMBS, T. In *IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY*. JUN 2013, vol. 23, no. 3, 3., WOS

4. [1.1] CHUDY, M. - CHEN, Y.R. - ZHANG, M. - COOMBS, T.A. In *SUPERCONDUCTOR SCIENCE & TECHNOLOGY*. JUL 2013, vol. 26, no. 7., WOS
5. [1.1] GU, C. - QU, T.M. - LI, X.F. - HAN, Z.H. In *IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY*. APR 2013, vol. 23, no. 2., WOS
6. [1.1] NAVAU, C. - DEL-VALLE, N. - SANCHEZ, A. In *IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY*. FEB 2013, vol. 23, no. 1., WOS
7. [1.1] PITEL, J. In *SUPERCONDUCTOR SCIENCE & TECHNOLOGY*. DEC 2013, vol. 26, no. 12., WOS
8. [1.1] ZERMENO, V.M.R. - GRILLI, F. - SIROIS, F. In *SUPERCONDUCTOR SCIENCE & TECHNOLOGY*. MAY 2013, vol. 26, no. 5., WOS
- ADCA290 PARDO, Enric - GRILLI, F. Numerical simulations of the angular dependence of magnetization AC losses: coated conductors, Roebel cables and double pancake coils. In *Superconductor Science and Technology*, 2012, vol. 25, art. no. 014008. (2.662 - IF2011). (2012 - Current Contents, WOS, SCOPUS). ISSN 0953-2048.
Citácie:
1. [1.1] GRINENKO, V. - FUCHS, G. - NENKOV, K. - HOLZAPFEL, B. In *SUPERCONDUCTOR SCIENCE & TECHNOLOGY*. MAR 2013, vol. 26, no. 3., WOS
2. [1.1] JIANG, Z.N. - KOMEDA, T. - AMEMIYA, N. - LONG, N.J. - STAINES, M. - BADCOCK, R.A. - BUMBY, C. - BUCKLEY, R.G. In *SUPERCONDUCTOR SCIENCE & TECHNOLOGY*. MAR 2013, vol. 26, no. 3., WOS
3. [1.1] NAVAU, C. - DEL-VALLE, N. - SANCHEZ, A. In *IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY*. FEB 2013, vol. 23, no. 1., WOS
4. [1.1] RAUH, H. - MA, G.T. In *JOURNAL OF APPLIED PHYSICS*. NOV 21 2013, vol. 114, no. 19., WOS
5. [1.1] SU, X.L. - XIONG, L.T. - GAO, Y.W. - ZHOU, Y.H. In *JOURNAL OF LOW TEMPERATURE PHYSICS*. JUL 2013, vol. 172, no. 1-2, p. 154-161., WOS
6. [1.1] XIA, J. - YONG, H.D. - ZHOU, Y.H. In *JOURNAL OF APPLIED PHYSICS*. SEP 7 2013, vol. 114, no. 9., WOS
7. [1.1] ZHANG, M. - KVIKOVIC, J. - KIM, C.H. - PAMIDI, S.V. - COMBS, T.A. In *JOURNAL OF APPLIED PHYSICS*. JUL 28 2013, vol. 114, no. 4., WOS
8. [1.2] Xia, J., Zhou, Y.-H. *13th International Conference on Fracture 2013*, 4, pp. 3289-3297, SCOPUS
- ADCA291 PASKALEVA, A. - ĽAPAJNA, Milan - DOBROČKA, Edmund - HUŠEKOVÁ, Kristína - ATANASSOVA, E. - FRÖHLICH, Karol. Structural and dielectric properties of Ru-based gate/Hf-doped Ta2O5 stacks. In *Applied Surface Science*, 2011, vol. 257, p. 7876-7880. (1.793 - IF2010). (2011 - Current Contents). ISSN 0169-4332.
Citácie:
1. [1.1] LORENZI, P. - RAO, R. - PRIFTI, T. - IRRERA, F. In *MICROELECTRONICS RELIABILITY*. SEP-NOV 2013, vol. 53, no. 9-11, SI, p. 1203-1207., WOS
- ADCA292 PASKALEVA, A. - ĽAPAJNA, Milan - ATANASSOVA, E. - FRÖHLICH, Karol - VINCZE, A. - DOBROČKA, Edmund. Effect of Ti doping on Ta2O5 stacks with Ru and Al gates. In *Applied Surface Science*, 2008, vol. 254, p. 5879-5885. (1.410 - IF2007). (2008 - Current Contents). ISSN 0169-4332.
Citácie:
1. [1.1] LU, L. - NISHIDA, T. - ECHIZEN, M. - ISHIKAWA, Y. - UCHIYAMA, K. - URAOKA, Y. In *APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING*. AUG 2013, vol. 112, no. 2, p. 425-430., WOS
- ADCA293 PITEL, Jozef - KOVÁČ, Pavol. On some consequences of an external magnetic field applied to HTS coils. In *Physica C*, 2011, vol. 471, p. 1680-1688. (1.415 - IF2010). (2011 - Current Contents). ISSN 0921-4534.
Citácie:
1. [1.1] CHUDY, M. - CHEN, Y.R. - ZHANG, M. - COOMBS, T.A. In *SUPERCONDUCTOR SCIENCE & TECHNOLOGY*. JUL 2013, vol. 26, no. 7., WOS
- ADCA294 PITEL, Jozef - KOVÁČ, Pavol - HUŠEK, Imrich. Calculation of the critical currents of Bi(2223)/Ag tapes and coils with reduced anisotropy in $I_c(B)$ characteristic - effect of different proportional representations of the filaments oriented parallel and perpendicularly to tape surface. In *Physica C : Superconductivity and Its Applications*, 2000, vol. 330, p.

130-140. (1.114 - IF1999). (2000 - Current Contents, SCOPUS). ISSN 0921-4534.

Citácie:

1. [1.1] TSUZUKI, K. - MOTOHIRO, M. - FELDER, B. - WATASAKI, M. - KASE, S. - SATO, R. - IZUMI, M. In *IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY*. JUN 2013, vol. 23, no. 3, 2., WOS

ADCA295 PITEL, Jozef - KOVÁČ, Pavol - LEHTONEN, J. - PAASI, J. Energy storage critical current considerations of Bi(2223)/Ag coils for micro-superconducting magnetic energy storage: influence of operating temperature and winding geometry within the same overall tape length. In *Superconductor Science and Technology*, 2001, vol. 14, p. 173-184. (1.250 - IF2000). (2001 - Current Contents, WOS, SCOPUS). ISSN 0953-2048.

Citácie:

1. [1.1] NAGASAKI, Y. - NAKAMURA, T. - FUNAKI, I. - ASHIDA, Y. - YAMAKAWA, H. In *PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS*. SEP 2013, vol. 492, p. 96-102., WOS

ADCA296 PITEL, Jozef - KOVÁČ, Pavol. Compensation of the radial magnetic field component of solenoids wound with the anisotropic Bi(2223)/Ag tape. In *Superconductor Science and Technology*, 1997, vol. 10, p. 847. (1.447 - IF1996). (1997 - Current Contents, SCOPUS). ISSN 0953-2048.

Citácie:

1. [1.1] CHUDY, M. - CHEN, Y.R. - ZHANG, M. - COOMBS, T.A. In *SUPERCONDUCTOR SCIENCE & TECHNOLOGY*. JUL 2013, vol. 26, no. 7., WOS
2. [1.1] NAGAI, M. - ISHIGURI, S. In *PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS*. DEC 2013, vol. 495, p. 213-216., WOS

ADCA297 PITEL, Jozef - KOVÁČ, Pavol. Influence of external magnetic field on critical currents of solenoids wound with anisotropic HTS tapes - theoretical analysis. In *Superconductor Science and Technology*, 1997, vol. 10, p. 7. (1.447 - IF1996). (1997 - Current Contents, SCOPUS). ISSN 0953-2048.

Citácie:

1. [1.1] CHUDY, M. - CHEN, Y.R. - ZHANG, M. - COOMBS, T.A. In *SUPERCONDUCTOR SCIENCE & TECHNOLOGY*. JUL 2013, vol. 26, no. 7., WOS
2. [1.1] PARKINSON, B.J. - SLADE, R. - MALLET, M.J.D. - CHAMRITSKI, V. In *IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY*. JUN 2013, vol. 23, no. 3, 2., WOS

ADCA298 PLECENIK, Andrej - TOMASEK, M. - PLECENIK, T. - TRUCHLY, M. - NOSKOVIC, J. - ZAHORAN, M. - ROCH, T. - BELOGOLOVSKII, M. - ŠPANKOVÁ, Marianna - CHROMIK, Štefan - KÚŠ, P. Studies of resistance switching effects in metal/YBa₂Cu₃O_{7-x}. In *Applied Surface Science*, 2010, vol. 256, p. 5684-5687. (1.616 - IF2009). (2010 - Current Contents). ISSN 0169-4332.

Citácie:

1. [1.1] SCHULMAN, A. - ACHA, C. In *JOURNAL OF APPLIED PHYSICS*. DEC 28 2013, vol. 114, no. 24., WOS
2. [1.1] TSUI, S. - SALVO, C. - LOPEZ, M. In *JOURNAL OF APPLIED PHYSICS*. DEC 1 2012, vol. 112, no. 11., WOS
3. [1.1] TULINA, N.A. - BORISENKO, I.Y. - SHMYTKO, I.M. - IONOV, A.M. - KOLESNIKOV, N.N. - BORISENKO, D.N. In *PHYSICS LETTERS A*. OCT 1 2012, vol. 376, no. 45, p. 3398-3401., WOS
4. [1.1] TULINA, N.A. - BORISENKO, I.Y. - SIROTKIN, V.V. In *SOLID STATE COMMUNICATIONS*. SEP 2013, vol. 170, p. 48-52., WOS
5. [1.1] WANG, W.H. - DONG, R.X. - YAN, X.L. - YANG, B. - AN, X.L. In *IEEE TRANSACTIONS ON NANOTECHNOLOGY*. NOV 2012, vol. 11, no. 6, p. 1135-1139., WOS
6. [1.1] XUE, Y.C. - DAI, H.Y. - XUE, R.Z. - SHI, K. - CHEN, Z.P. - LI, T. - CHEN, L.M. In *MATERIALS AND COMPUTATIONAL MECHANICS*, PTS 1-3. 2012, vol. 117-119, 1-3, p. 811-816., WOS

ADCA299 PLECENIK, Andrej - GRAJCAR, M. - BEŇAČKA, Štefan - SEIDEL, P. - PFUCH, A. Surface characterization of high-T_c superconductors using YBa₂Cu₃O_x/Au and Bi₂Sr₂CaCu₂O_y/Au point contacts. In *Physical Review B*, 1994, vol. 49, no. 14, p. 10016.

(3.159 - IF1993). (1994 - Current Contents). ISSN 1098-0121.

Citácie:

1. [1.1] DAGHERO, D. - TORTELLO, M. - PECCHIO, P. - STEPANOV, V.A. - GONNELLI, R.S. In *LOW TEMPERATURE PHYSICS*. MAR 2013, vol. 39, no. 3, p. 199-210., WOS
2. [1.1] GLOOS, K. - TUULI, E. In *JOURNAL OF THE KOREAN PHYSICAL SOCIETY*. MAY 2013, vol. 62, no. 10, p. 1575-1579., WOS
3. [1.1] GLOOS, K. - TUULI, E. In *LOW TEMPERATURE PHYSICS*. MAR 2013, vol. 39, no. 3, p. 252-258., WOS
4. [1.1] GONNELLI, R.S. - DAGHERO, D. - TORTELLO, M. In *CURRENT OPINION IN SOLID STATE & MATERIALS SCIENCE*. APR 2013, vol. 17, no. 2, p. 72-80., WOS
5. [1.1] LI, X.W. In *PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS*. FEB 2013, vol. 485, p. 35-38., WOS
6. [1.1] PENG, H.B. - DE, D. - LV, B. - WEI, F.Y. - CHU, C.W. In *PHYSICAL REVIEW B*. JUL 25 2013, vol. 88, no. 2., WOS
7. [1.1] SZABO, P. - GIROVSKY, J. - PRIBULOVA, Z. - KACMARCIK, J. - MORI, T. - SAMUELY, P. In *SUPERCONDUCTOR SCIENCE & TECHNOLOGY*. APR 2013, vol. 26, no. 4., WOS

ADCA300 PLECENIK, Andrej - GRAJCAR, M. - SEIDEL, P. - NEBEL, R. - SCHMAUDER, T. - BEŇAČKA, Štefan - DARULA, Marian. Modification of YBa₂Cu₃O₇-beta-Au point contact interface properties by applied electric voltage. In *Physica B : condensed matter*, 1996, vol. 218, p. 209-212. (1996 - Current Contents, SCOPUS). ISSN 0921-4526.

Citácie:

1. [1.1] TULINA, N.A. - BORISENKO, I.Y. - SIROTKIN, V.V. In *SOLID STATE COMMUNICATIONS*. SEP 2013, vol. 170, p. 48-52., WOS

ADCA301 PLECENIK, Andrej - FRÖHLICH, Karol - ESPINOS, J.P. - HOLDAGO, J.P. - HALABICA, Andrej - PRIPKO, Mojmir - GILABERT, A. Degradation of LaMnO₃- φ surface layer in LaMnO₃- φ /metal interface. In *Applied Physics Letters*, 2002, vol. 81, p. 859-861. ISSN 0003-6951.

Citácie:

1. [1.1] BARRIONUEVO, D. - ORTEGA, N. - KUMAR, A. - CHATTERJEE, R. - SCOTT, J.F. - KATIYAR, R.S. In *JOURNAL OF APPLIED PHYSICS*. DEC 21 2013, vol. 114, no. 23., WOS

ADCA302 PLECENIK, T. - TOMASEK, M. - BELOGOLOVSKII, M. - TRUCHLY, M. - GREGOR, M. - NOSKOVIC, J. - ZAHORAN, M. - ROCH, T. - BOYLO, I. - ŠPANKOVÁ, Marianna - CHROMIK, Štefan - KÚŠ, P. - PLECENÍK, A. Effect of crystallographic anisotropy on the resistance switching phenomenon in perovskites. In *Journal of Applied Physics*, 2012, vol. 111, art. no. 056106. (2.168 - IF2011). (2012 - Current Contents). ISSN 0021-8979.

Citácie:

1. [1.1] SCHULMAN, A. - ACHA, C. In *JOURNAL OF APPLIED PHYSICS*. DEC 28 2013, vol. 114, no. 24., WOS

ADCA303 POLÁK, Milan - KVITKOVIČ, Jozef - MOZOLA, Pavol - BARNES, P.N. - LEVIN, G.A. Characterization of individual filaments in a multifilamentary YBCO coated conductor. In *IEEE Transactions on Applied Superconductivity*, 2007, vol. 17, p. 3163-3166. (0.717 - IF2006). (2007 - Current Contents, WOS, SCOPUS).

Citácie:

1. [1.1] AINSLIE, M.D. - YUAN, W.J. - FLACK, T.J. In *IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY*. JUN 2013, vol. 23, no. 3, 2., WOS
2. [1.1] WEBBER, R.J. - DELMAS, J. - YOHANNES, D.T. - VIVALDA, J. In *2013 IEEE 14TH INTERNATIONAL SUPERCONDUCTIVE ELECTRONICS CONFERENCE (ISEC)*. 2013., WOS

ADCA304 POLÁK, Milan - KVITKOVIČ, Jozef - MOZOLA, Pavol - UŠÁK, E. - BARNES, P.N. - LEVIN, G.A. Frequency dependence of hysteresis loss in YBCO tapes. In *Superconductor Science and Technology*, 2007, vol. 20, p. S293-S298. (1.440 - IF2006). (2007 - Current Contents, SCOPUS). ISSN 0953-2048.

Citácie:

1. [1.1] KESGIN, I. - MAJKIC, G. - SELVAMANICKAM, V. In *IEEE TRANSACTIONS*

- ON APPLIED SUPERCONDUCTIVITY. JUN 2013, vol. 23, no. 3, 2., WOS*
- ADCA305 POLÁK, Milan - BARNES, P.N. - KVITKOVIČ, Jozef - LEVIN, G.A. - MOZOLA, Pavol - UŠÁK, Pavol. Properties of an experimental coil wound with YBCO coated conductor carrying an AC current with frequencies up to 864 Hz. In IEEE Transactions on Applied Superconductivity, 2008, vol. 18, p. 1240-1244. (1.551 - IF2007). (2008 - Current Contents, SCOPUS).
- Citácie:
1. [1.1] *SOUC, J. - GOMORY, F. - KOVAC, J. - NAST, R. - JUNG, A. - VOJENCIAK, M. - GRILLI, F. - GOLDACKER, W. In SUPERCONDUCTOR SCIENCE & TECHNOLOGY. JUL 2013, vol. 26, no. 7., WOS*
- ADCA306 POLÁK, Milan - BARNES, P.N. - MOZOLA, Pavol - LEVIN, G.A. Critical current in YBCO coated conductors in the presence of a macroscopic defect. In IEEE Transactions on Applied Superconductivity, 2009, vol. 19, p. 2921-2934. (0.919 - IF2008). (2009 - Current Contents, SCOPUS).
- Citácie:
1. [1.1] *LECLERC, J. - BERGER, K. - DOUINE, B. - LEVEQUE, J. In PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS. SEP 2013, vol. 492, p. 158-164., WOS*
- ADCA307 POLÁK, Milan - DEMENČÍK, Eduard - HUŠEK, Imrich - KOPERA, Ľubomír - KOVÁČ, Pavol - MOZOLA, Pavol - TAKÁCS, Silvester. AC losses and transverse resistivity in filamentary MgB₂ tape with Ti barriers. In Physica C, 2011, vol. 471, p. 389-394. (1.415 - IF2010). (2011 - Current Contents). ISSN 0921-4534.
- Citácie:
1. [1.1] *ZHOU, C. - OFFRINGA, W. - BERGEN, A. - WESSEL, W.A.J. - KROOSHOO, H.J.G. - DHALLE, M. - SUMPTION, M.D. - COLLINGS, E.W. - RINDFLEISCH, M. - TOMSIC, M. - TEN KATE, H.H.J. - NIJHUIS, A. In SUPERCONDUCTOR SCIENCE & TECHNOLOGY. FEB 2013, vol. 26, no. 2., WOS*
- ADCA308 POLÁK, Milan - TAKÁCS, Silvester - BARNES, P.N. - LEVIN, G.A. The effect of resistive filament interconnections on coupling losses in filamentary YBa₂Cu₃O₇ coated conductors. In Superconductor Science and Technology, 2009, vol. 22, art. no. 025016. (1.847 - IF2008). (2009 - Current Contents, WOS, SCOPUS). ISSN 0953-2048.
- Citácie:
1. [1.1] *SOUC, J. - GOMORY, F. - KOVAC, J. - NAST, R. - JUNG, A. - VOJENCIAK, M. - GRILLI, F. - GOLDACKER, W. In SUPERCONDUCTOR SCIENCE & TECHNOLOGY. JUL 2013, vol. 26, no. 7., WOS*
- ADCA309 POLÁK, Milan - UŠÁK, Pavol - PITEL, Jozef - JANŠÁK, Lubomil - TIMORANSKÝ, Z. - ŽÍŽEK, F. - PIEL, H. Comparison of solenoidal and pancake model windings for a superconducting transformer. In IEEE Transactions on Applied Superconductivity, 2001, vol. 11, no. 1, p. 1478-1481. (0.791 - IF2000).
- Citácie:
1. [1.1] *YAN, Z.M. - WANG, Y. - WU, R. - LUO, W.B. In IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY. DEC 2013, vol. 23, no. 6., WOS*
- ADCA310 POLÁK, Milan - HLÁŠNIK, Ivan - KREMPASKÝ, Ľudovít. Voltage-current characteristics of NbTi and Nb₃Sn superconductors in the flux creep region. In Cryogenics, 1973, vol. 13, p. 702-706.
- Citácie:
1. [1.1] *HOSSEINI, N. - ZABETIAN, A. - KANANIAN, S. - FARDMANESH, M. In JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM. MAY 2013, vol. 26, no. 5, SI, p. 1485-1488., WOS*
2. [1.1] *KEILIN, V.E. - SHUTOVA, D.I. In IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY. JUN 2013, vol. 23, no. 3, 2., WOS*
3. [1.1] *ROMANOVSKII, V. - WATANABE, K. - AWAJI, S. In PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS. DEC 2013, vol. 495, p. 25-32., WOS*
4. [1.1] *VOJENCIAK, M. - GRILLI, F. - STENVALL, A. - KLING, A. - GOLDACKER, W. In CRYOGENICS. OCT 2013, vol. 57, p. 189-194., WOS*
- ADCA311 POLÁK, Milan - ZHANG, W. - PARRELL, J.A. - CAI, X.Y. - POLYANSKII, A. -

- HELLSTROM, E.E. - LARBALESTIER, D.C. - MAJOROŠ, Milan. Current transfer lengths and the origin of linear components in the voltage-current curves of Ag-sheathed BSCCO composites. In Superconductor Science and Technology, 1997, vol. 10, p. 769. (1.447 - IF1996). (1997 - Current Contents, SCOPUS). ISSN 0953-2048.
- Citácie:
- [1.1] *VOJENCIAK, M. - GRILLI, F. - STENVALL, A. - KLING, A. - GOLDACKER, W. In CRYOGENICS. OCT 2013, vol. 57, p. 189-194., WOS*
- ADCA312 POLÁK, Milan - UŠÁK, Pavol - DEMENČÍK, Eduard. The distribution of magnetization and transport currents in DyBCO tape. In Physica C, 2006, vol. 440, p. 40-44. (0.948 - IF2005). (2006 - Current Contents, WOS, SCOPUS). ISSN 0921-4534.
- Citácie:
- [1.1] *XUE, C. - HE, A. - YONG, H.D. - ZHOU, Y.H. In AIP ADVANCES. DEC 2013, vol. 3, no. 12., WOS*
- ADCA313 POLÁK, Milan - BARNES, P.N. - LEVIN, G.A. YBCO/Ag boundary resistivity in YBCO tapes with metallic substrates. In Superconductor Science and Technology. - Bristol : IOP Publishing Ltd., 2006, vol. 19, p. 817-820. (1.896 - IF2005). (2006 - Current Contents, WOS, SCOPUS). ISSN 0953-2048.
- Citácie:
- [1.1] *LACROIX, C. - FOURNIER-LUPIEN, J.H. - MCMEEKIN, K. - SIROIS, F. In IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY. JUN 2013, vol. 23, no. 3, 2., WOS*
 - [1.1] *TAKACS, S. In SUPERCONDUCTOR SCIENCE & TECHNOLOGY. MAY 2013, vol. 26, no. 5., WOS*
 - [1.1] *VOJENCIAK, M. - GRILLI, F. - STENVALL, A. - KLING, A. - GOLDACKER, W. In CRYOGENICS. OCT 2013, vol. 57, p. 189-194., WOS*
 - [1.1] *WEBBER, R.J. - DELMAS, J. - YOHANNES, D.T. - VIVALDA, J. In 2013 IEEE 14TH INTERNATIONAL SUPERCONDUCTIVE ELECTRONICS CONFERENCE (ISEC). 2013., WOS*
- ADCA314 POLÁK, Milan - PARDO, Enric - MOZOLA, Pavol - ŠOUC, Ján. Magnetic field in the winding of an YBCO pancake coil: experiments and calculations. In IEEE Transactions on Applied Superconductivity, 2012, vol. 22, 6600204. (1.041 - IF2011). (2012 - Current Contents, SCOPUS). ISSN 1051-8223.
- Citácie:
- [1.1] *RAUH, H. - MA, G.T. In JOURNAL OF APPLIED PHYSICS. NOV 21 2013, vol. 114, no. 19., WOS*
- ADCA315 POZZOVIVO, G. - KUZMÍK, Ján - GOLKA, S. - SCHRENK, W. - STRASSER, G. - POGANY, D. - ČIČO, Karol - ĽAPAJNA, Milan - FRÖHLICH, Karol - CARLIN, J.-F. - GONSCHOREK, M. - FELTIN, E. - GRANDJEAN, N. Gate insulation and drain current saturation mechanism in InAlN/GaN metal-oxide-semiconductor high-electron-mobility transistors. In Applied Physics Letters, 2007, vol. 91, art. no. 043509. (3.977 - IF2006). (2007 - Current Contents, SCOPUS). ISSN 0003-6951.
- Citácie:
- [1.1] *AKAZAWA, M. - CHIBA, M. - NAKANO, T. In APPLIED PHYSICS LETTERS. JUN 10 2013, vol. 102, no. 23., WOS*
 - [1.1] *BERA, M.K. - LIU, Y. - KYAW, L.M. - NGOO, Y.J. - CHOR, E.F. In WIDE-BANDGAP SEMICONDUCTOR MATERIALS AND DEVICES 14. 2013, vol. 53, no. 2, p. 65-74., WOS*
 - [1.1] *HIROKI, M. - WATANABE, N. - MAEDA, N. - YOKOYAMA, H. - KUMAKURA, K. - YAMAMOTO, H. In JAPANESE JOURNAL OF APPLIED PHYSICS. APR 2013, vol. 52, no. 4, 2, SI., WOS*
 - [1.1] *PARDESHI, H. - RAJ, G. - PATI, S. - MOHANKUMAR, N. - SARKAR, C.K. In SUPERLATTICES AND MICROSTRUCTURES. AUG 2013, vol. 60, p. 47-59., WOS*
 - [1.1] *ZHANG, X.F. - WANG, L. - LIU, J. - WEI, L. - XU, J. In CHINESE PHYSICS B. JAN 2013, vol. 22, no. 1., WOS*
- ADCA316 PUDIŠ, D. - ŠUŠLIK, Ľ. - ŠKRINIAROVÁ, J. - KOVÁČ, Ján - MARTINČEK, I. - KOVÁČ, Jaroslav - HAŠČÍK, Štefan - KUBICOVA, I. - NOVÁK, Jozef - VESELÝ, M. Light extraction from a light emitting diode with photonic structure in the surface layer

- investigated by NSOM. In Optics and Laser Technology, 2011, vol. 43, p. 917-921. (1.616 - IF2010). (2011 - Current Contents). ISSN 0030-3992.
- Citácie:
- [1.1] WANG, J. - LI, S.G. In MEASUREMENT TECHNOLOGY AND ENGINEERING RESEARCHES IN INDUSTRY, PTS 1-3. 2013, vol. 333-335, p. 555-558., WOS
 - [1.1] YIN, Z.M. - LIU, X.Y. - WANG, H.N. - WU, Y.Z. - HAO, X.P. - JI, Z.W. - XU, X.G. In OPTICS EXPRESS. NOV 18 2013, vol. 21, no. 23, p. 28531-28542., WOS
- ADCA317 RABBERS, J.J. - HAKEN, B. ten - GÖMÖRY, Fedor - TEN KATE, H.H. Self-field loss of BSCCO/Ag tape in external AC magnetic field. In Physica C : Superconductivity and Its Applications, 1998, vol. 300, p. 1-5. (2.199 - IF1997). (1998 - Current Contents, WOS, SCOPUS). ISSN 0921-4534.
- Citácie:
- [1.1] PARDO, E. - KOVAC, J. - SOUC, J. In IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY. JUN 2013, vol. 23, no. 3, 2., WOS
- ADCA318 RAJŇÁK, Michal - KURIMSKÝ, Juraj - DOLNÍK, Bystrík - MARTON, Karol - TOMČO, Ladislav - TACULESCU, A. - VÉKÁS, Ladislau - KOVÁČ, Jozef - VÁVRA, Ivo - TÓTHOVÁ, Jana - KOPČANSKÝ, Peter - TIMKO, Milan. Dielectric response of transformer oil based ferrofluid in low frequency range. In Journal of Applied Physics, 2013, vol. 114, no. 3, art. no. 034313. (2.210 - IF2012). (2013 - Current Contents, WOS, SCOPUS). ISSN 0021-8979.
- Citácie:
- [1.1] SEMISALOVA, A.S. - PEROV, N.S. - STEPANOV, G.V. - KRAMARENKO, E.Y. - KHOKHLOV, A.R. Strong magnetodielectric effects in magnetorheological elastomers. In SOFT MATTER. 2013, vol. 9, no. 47, p. 11318-11324., WOS
- ADCA319 RAPOŠ, M. - RUŽINSKÝ, M. - LUBY, Štefan - ČERVENÁK, Ján. Dielectric properties of me-cdte-me thin-film structures. In Thin Solid Films, 1976, vol. 36, p. 103-106.
- Citácie:
- [1.1] SRIVASTAVA, P. - SINGH, K. In JOURNAL OF ELECTRONIC MATERIALS. SEP 2013, vol. 42, no. 9, p. 2733-2738., WOS
 - [1.1] SRIVASTAVA, P. - SINGH, K. In MATERIALS LETTERS. OCT 1 2013, vol. 108, p. 25-28., WOS
 - [1.1] SRIVASTAVA, P. - SINGH, K. In SCIENCE OF ADVANCED MATERIALS. JUL 2013, vol. 5, no. 7, p. 836-843., WOS
- ADCA320 REPARAZ, J.S. - BERNARDI, A. - GONI, A. - ALONSO, M.I. - GARRIGA, M. - NOVÁK, Jozef - VÁVRA, Ivo. Phonon pressure coefficient as a probe of the strain status of self-assembled quantum dots. In Applied Physics Letters, 2007, vol. 91, p. 081914. (3.977 - IF2006). (2007 - Current Contents, SCOPUS). ISSN 0003-6951.
- Citácie:
- [1.1] HERNANDEZ, S. - MISKA, P. - GRUN, M. - ESTRADE, S. - PEIRO, F. - GARRIDO, B. - VERGNAT, M. - PELLEGRINO, P. In JOURNAL OF APPLIED PHYSICS. DEC 21 2013, vol. 114, no. 23., WOS
- ADCA321 ROCH, T. - DOBROČKA, Edmund - MIKULA, M. - PIDÍK, A. - ĎURINA, P. - HAIDRY, A.A. - PLECENIK, T. - TRUCHLY, M. - GRANČIČ, B. - PLECENÍK, A. - KÚŠ, P. Strong biaxial texture and polymorph nature in TiO2 thin film formed by ex-situ annealing on c-plane Al2O3 surface. In Journal of Crystal Growth, 2012, vol. 338, 118-124. (1.726 - IF2011). (2012 - Current Contents, WOS, SCOPUS). ISSN 0022-0248.
- Citácie:
- [1.1] TARRE, A. - MOLDRE, K. - NIILISK, A. - MANDAR, H. - AARIK, J. - ROSENAL, A. In JOURNAL OF VACUUM SCIENCE & TECHNOLOGY A. JAN-FEB 2013, vol. 31, no. 1., WOS
- ADCA322 ROSINA, Milan - AUDIER, M. - DUBOURDIEU, C. - FRÖHLICH, Karol - WEISS, F. Defects in (La0.7Sr0.3MnO3/SrTiO3)15 superlattices grown by pulsed injection MOCVD. In Journal of Crystal Growth. - Amsterdam : Elsevier Science, 2003, vol. 259, p. 358-366. ISSN 0022-0248.
- Citácie:
- [1.1] LIANG, Y.C. - ZHONG, H. In APPLIED SURFACE SCIENCE. OCT 15 2013, vol. 283, p. 490-497., WOS

- ADCA323 ROSOVÁ, Alica - BOULESTEIX, C. - VÁVRA, Ivo. Role of microtwins in twin lamella intersections and intersections in YBa₂Cu₃O_{7-y}. In *Physica C : superconductivity and its applications*, 1993, vol. 214, p. 247. (2.044 - IF1992). (1993 - Current Contents, SCOPUS). ISSN 0921-4534.
Citácie:
1. [1.1] JIAN, H.B. - SHAO, D.F. - YANG, Z.R. - ZHU, X.B. - SUN, Y.P. In PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS. MAY 2013, vol. 488, p. 39-45., WOS
- ADCA324 ROSTILA, L. - DEMENČÍK, Eduard - ŠOUC, Ján - BRISIGOTTI, S. - KOVÁČ, Pavol - POLÁK, Milan - GRASSO, G. - LYLY, M. - STENVALL, A. - TUMINO, A. - KOPERA, Lubomír. Magnesium diboride wires with nonmagnetic matrices – AC loss measurements and numerical calculations. In *IEEE Transactions on Applied Superconductivity*, 2011, vol. 21, p. 3338-3341. (1.035 - IF2010). (2011 - Current Contents, WOS, SCOPUS). ISSN 1051-8223.
Citácie:
1. [1.1] TAXT, H. - MAGNUSSON, N. - RUNDE, M. In CRYOGENICS. FEB 2013, vol. 54, p. 44-49., WOS
- ADCA325 ROSTILA, L. - LEHTONEN, J. - MASTI, M. - LALLOUET, N. - SAUGRAIN, J.-M. - ALLAIS, A. - SCHIPPL, K. - SCHMIDT, Fritz - BALOG, G. - MAROT, G. - RAVEX, A. - USOV, A.I. - GÖMÖRY, Fedor - KLINČOK, Boris - ŠOUC, Ján - FREYHARDT, H.C. Design of a 30 m long 1 kV YBCO cable. In *Superconductor Science and Technology*, 2006, vol. 19, p. 418-422. (1.896 - IF2005). (2006 - Current Contents, WOS, SCOPUS). ISSN 0953-2048.
Citácie:
1. [1.1] SUHARTA, W.G. - MUGIRAHARDJO, H. - PRATAPA, S. - DARMINTO, D. - SUASMORO, S. In JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM. NOV 2013, vol. 26, no. 11, p. 3209-3214., WOS
- ADCA326 SAFRAN, Serap - GÖMÖRY, Fedor - GENCER, A. AC loss in stacks of Bi-2223/Ag tapes modified with ferromagnetic covers at the edges. In *Superconductor Science and Technology*, 2010, vol. 23, 105003. (2.694 - IF2009). (2010 - Current Contents, WOS, SCOPUS). ISSN 0953-2048.
Citácie:
1. [1.1] AINSLIE, M.D. - YUAN, W.J. - FLACK, T.J. In IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY. JUN 2013, vol. 23, no. 3, 2., WOS
- ADCA327 SAFRAN, Serap - VOJENČIAK, Michal - GENCER, A. - GÖMÖRY, Fedor. Critical current and AC loss of DI-BSCCO tape modified by the deposition of ferromagnetic layer on edges. In *IEEE Transactions on Applied Superconductivity*, 2010, vol. 20, p. 2294-2300. (1.310 - IF2009). (2010 - Current Contents, SCOPUS). ISSN 1051-8223.
Citácie:
1. [1.1] CZERWINSKI, D. In PRZEGLAD ELEKTROTECHNICZNY. 2012, vol. 88, no. 2, p. 161-164., WOS
- ADCA328 SEDLÁČKOVÁ, K. - UJVÁRI, T. - GRASIN, R. - LOBOTKA, Peter - BERTÓTI, I. - RADNÓCZI, G. C- Ti nanocomposite thin films: structure, mechanical and electrical properties. In *Vacuum*, 2008, vol. 82, p. 214-216. (2008 - Current Contents).
Citácie:
1. [1.1] BALAZSI, K. - LUKACS, I.E. - GURBAN, S. - MENYHARD, M. - BACAKOVA, L. - VANDROVCOVA, M. - BALAZSI, C. In JOURNAL OF THE EUROPEAN CERAMIC SOCIETY. OCT 2013, vol. 33, no. 12, SI, p. 2217-2221., WOS
2. [1.1] BALAZSI, K. - VANDROVCOVA, M. - BACAKOVA, L. - BALAZSI, C. In MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS. APR 1 2013, vol. 33, no. 3, p. 1671-1675., WOS
3. [1.1] CHEN, Y.M. - LIAO, B. - WU, X.Y. - ZHANG, H.X. - ZHANG, X. In SURFACE & COATINGS TECHNOLOGY. AUG 15 2013, vol. 228, p. S210-S213., WOS
- ADCA329 SEDLÁČKOVÁ, K. - LOBOTKA, Peter - VÁVRA, Ivo - RADNÓCZI, G. Structural, electrical and magnetic properties of carbon-nickel composite thin films. In *Carbon*, 2005, vol. 43, p. 2192-2198. (3.331 - IF2004). (2005 - Current Contents). ISSN 0008-6223.
Citácie:

1. [1.1] ACHOUR, A. - EL MEL, A.A. - BOUTS, N. - GAUTRON, E. - GRIGORE, E. - ANGLERAUD, B. - LE BRIZOUAL, L. - TESSIER, P.Y. - DJOUADI, M.A. In DIAMOND AND RELATED MATERIALS. APR 2013, vol. 34, p. 76-83., WOS
2. [1.1] KAIRAITIS, G. - GALDIKAS, A. In MATERIALS SCIENCE-MEDZIAGOTYRA. 2013, vol. 19, no. 3, p. 264-269., WOS
3. [1.1] UHLIG, S. - STRUIS, R. - SCHMID-ENGEL, H. - BOCK, J. - PROBST, A.C. - FREITAG-WEBER, O. - ZIZAK, I. - CHERNIKOV, R. - SCHULTES, G. In DIAMOND AND RELATED MATERIALS. APR 2013, vol. 34, p. 25-35., WOS
4. [1.1] VEPREK, S. In JOURNAL OF VACUUM SCIENCE & TECHNOLOGY A. SEP 2013, vol. 31, no. 5., WOS
5. [1.2] Bosworth, D. , Stelmashenko, N., Barber, Z.H.: Materials Research Society Symposium Proceedings 1451 (2013) 145, SCOPUS
- ADCA330 SERENYI, M. - BETKO, Július - NEMCSICS, A. - KHANH, N.Q. - MORVIC, Marian. Fabrication of a-SiGe structure by RF sputtering for solar cell purpose. In Physica Status Solidi c, 2003, vol. 0, p. 857-861.
Citácie:
1. [1.1] CHE, X.S. - LIU, Z.T. - LI, Y.P. - LIU, Q.J. In COMPUTATIONAL MATERIALS SCIENCE. MAR 2013, vol. 69, p. 121-127., WOS
2. [1.1] CHE, X.S. - LIU, Z.T. - LI, Y.P. - TAN, T.T. In JOURNAL OF ALLOYS AND COMPOUNDS. NOV 15 2013, vol. 577, p. 15-18., WOS
3. [1.1] CHE, X.S. - LIU, Z.T. - LI, Y.P. - WANG, N. - XU, Z. In VACUUM. APR 2013, vol. 90, SI, p. 75-79., WOS
4. [1.1] CHE, X.S. - LIU, Z.T. - LI, Y.P. - WANG, N. In JOURNAL OF NON-CRYSTALLINE SOLIDS. MAR 1 2013, vol. 363, p. 46-49., WOS
- ADCA331 SCHRÖFEL, A. - KRATOŠOVÁ, G. - BOHUNICKÁ, M. - DOBROČKA, Edmund - VÁVRA, Ivo. Biosynthesis of gold nanoparticles using diatoms-silica-gold and EPS-gold bionanocomposite formation. In Journal of Nanoparticle Research, 2011, vol. 13, p. 3207-3216. (3.253 - IF2010). (2011 - Current Contents). ISSN 1388-0764.
Citácie:
1. [1.1] ASMATHUNISHA, N. - KATHIRESAN, K. In COLLOIDS AND SURFACES B-BIOINTERFACES. MAR 1 2013, vol. 103, p. 283-287., WOS
2. [1.1] CHEN, Z.G. - WANG, Z. - CHEN, X. - XU, H.X. - LIU, J.B. In JOURNAL OF NANOPARTICLE RESEARCH. SEP 2013, vol. 15, no. 9., WOS
3. [1.2] Roehrich, A. Drobny, G.: Accounts Chemical Research 46 (2013) 2136, SCOPUS
- ADCA332 SPRINGHOLZ, G. - SCHWARZL, T. - HEISS, W. - BAUER, G. - AIGLE, M. - PASCHER, H. - VÁVRA, Ivo. Midinfrared surface-emitting PbSe/PbEuTe quantum-dot lasers. In Applied Physics Letters, 2001, vol. 79, p. 1225. (3.906 - IF2000). ISSN 0003-6951.
Citácie:
1. [1.1] BAKHTINOV, A.P. - VODOP'YANOV, V.N. - IVANOV, V.I. - KOVALYUK, Z.D. - LYTUVYN, O.S. In PHYSICS OF THE SOLID STATE. JAN 2013, vol. 55, no. 1, p. 181-195., WOS
- ADCA333 SPRINGHOLZ, G. - SCHWARTZ, T. - HEISS, W. - FROMHERZ, T. - BAUER, G. - AIGLE, M. - PASCHER, H. - VÁVRA, Ivo. Fabrication of 3.9-4.2 μm mid-infrared surface emitting PbSe/PbEuTe quantum dot lasers using molecular beam epitaxy. In Physica E, 2002, vol. 13, p. 876-880.
Citácie:
1. [1.1] ISBER, S. - GRATENS, X. - CHARAR, S. - GOLACKI, Z. In JEMS 2012 - JOINT EUROPEAN MAGNETIC SYMPOSIA. 2012, vol. 40., WOS
- ADCA334 SPRINGHOLZ, G. - PINCZOLITS, M. - HOLÝ, V. - ZERLAUTH, S. - VÁVRA, Ivo - BAUER, G. Vertical and lateral ordering in self-organized quantum dot superlattices. In Physica E, 2001, vol. 9, p. 149-163. (2001 - Current Contents).
Citácie:
1. [1.1] VALVO, M. - BONGIORNO, C. - GIANNAZZO, F. - TERRASI, A. In JOURNAL OF APPLIED PHYSICS. JAN 21 2013, vol. 113, no. 3., WOS
2. [1.1] WU, J. - HU, X. - LEE, J. - KIM, E.S. - WANG, Z.M.M. In ADVANCED OPTICAL MATERIALS. MAR 2013, vol. 1, no. 3, p. 201-214., WOS

3. [1.1] ZINOVYEV, V.A. - DVURECHENSKII, A.V. - KUCHINSKAYA, P.A. - ARMBRISTER, V.A. In *PHYSICAL REVIEW LETTERS*. DEC 27 2013, vol. 111, no. 26., WOS
- ADCA335 SRNÁNEK, R. - JAKABOVIČ, J. - KOVÁČ, Jaroslav - KOVÁČ, Jaroslav Jr. - HAŠKO, D. - ŠATKA, A. - DOBROČKA, Edmund - DONOVAL, D. Identification of the crystalline-phases in thin pentacene layers by Raman spectroscopy. In *Vacuum*, 2012, vol. 86, p.627-629. (1.317 - IF2011). (2012 - Current Contents). ISSN 0042-207X.
Citácie:
1. [1.1] HOFER, A. - BIBERGER, R. - BENSTETTER, G. - WILKE, B. - GOBEL, H. In *MICROELECTRONICS RELIABILITY*. SEP-NOV 2013, vol. 53, no. 9-11, SI, p. 1430-1433., WOS
- ADCA336 SRNÁNEK, R. - JAKABOVIČ, J. - DOBROČKA, Edmund - IRMER, G. - HEINEMEYER, U. - HEINEMEYER, K. - SCHREIBER, F. - VINCZE, A. - MACHOVIC, V. - KOVÁČ, Ján - DONOVAL, D. Evidence of pentacene bulk and thin film phase transformation into an orthorhombic phase by iodine diffusion. In *Chemical Physics Letters*, 2010, vol. 484, p. 299-303. (2.291 - IF2009). (2010 - Current Contents). ISSN 0009-2614.
Citácie:
1. [1.1] ABDUR, R. - JEONG, K. - LEE, M.J. - LEE, J. In *ORGANIC ELECTRONICS*. APR 2013, vol. 14, no. 4, p. 1142-1148., WOS
2. [1.1] HAN, W.N. - YOSHIDA, H. - UENO, N. - KERA, S. In *APPLIED PHYSICS LETTERS*. SEP 16 2013, vol. 103, no. 12., WOS
- ADCA337 STENVALL, A. - MIKKONEN, R. - KOVÁČ, Pavol. Comparison of 1D, 2D and 3D quench onset simulations. In *Physica C*, 2010, vol. 470, p. 2047-2050. (0.723 - IF2009). (2010 - Current Contents, WOS, SCOPUS). ISSN 0921-4534.
Citácie:
1. [1.1] PELEGRIN, J. - ROMANO, G. - MARTINEZ, E. - ANGUREL, L.A. - NAVARRO, R. - FERDEGHINI, C. - BRISIGOTTI, S. - GRASSO, G. - NARDELLI, D. In *SUPERCONDUCTOR SCIENCE & TECHNOLOGY*. APR 2013, vol. 26, no. 4., WOS
- ADCA338 STENVALL, A. - MIKKONEN, R. - KOVÁČ, Pavol. Relation between transverse and longitudinal normal zone propagation velocities in impregnated MgB2 windings. In *IEEE Transactions on Applied Superconductivity*, 2009, vol. 19, p. 2403-2406. (0.919 - IF2008). (2009 - Current Contents, SCOPUS).
Citácie:
1. [1.1] MORANDI, A. - BRESCHI, M. - CASALI, M. - FABBRI, M. - FERDEGHINI, C. - GAMBARDELLA, U. - MALAGOLI, A. - PACE, S. - RIBANI, P.L. - ROMANO, G. - SAGGESE, A. - VIGNOLO, M. In *IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY*. JUN 2013, vol. 23, no. 3, 2., WOS
- ADCA339 STOKLAS, Roman - GREGUŠOVÁ, Dagmar - NOVÁK, Jozef - VESCAN, A. - KORDOŠ, Peter. Investigation of trapping effects in AlGaIn/GaN/Si field-effect transistors by frequency dependent capacitance and conductance analysis. In *Applied Physics Letters*, 2008, vol. 93, art. no. 124103. (3.596 - IF2007). (2008 - Current Contents, WOS, SCOPUS). ISSN 0003-6951.
Citácie:
1. [1.1] FENG, Q. - DU, K. - LI, Y.K. - SHI, P. - FENG, Q. In *CHINESE PHYSICS LETTERS*. DEC 2013, vol. 30, no. 12., WOS
2. [1.1] FIORENZA, P. - GRECO, G. - FISICHELLA, G. - ROCCAFORTE, F. - MALANDRINO, G. - LO NIGRO, R. In *APPLIED PHYSICS LETTERS*. SEP 9 2013, vol. 103, no. 11., WOS
3. [1.1] MA, X.H. - ZHU, J.J. - LIAO, X.Y. - YUE, T. - CHEN, W.W. - HAO, Y. In *APPLIED PHYSICS LETTERS*. JUL 15 2013, vol. 103, no. 3., WOS
4. [1.1] PEREZ-TOMAS, A. - FONTSERE, A. - SANCHEZ, S. - JENNINGS, M.R. - GAMMON, P.M. - CORDIER, Y. In *APPLIED PHYSICS LETTERS*. JAN 14 2013, vol. 102, no. 2., WOS
5. [1.1] ZHANG, K. - XUE, J.S. - CAO, M. - YANG, L.Y. - CHEN, Y.H. - ZHANG, J.C. - MA, X.H. - HAO, Y. In *JOURNAL OF APPLIED PHYSICS*. MAY 7 2013, vol. 113, no. 17., WOS
- ADCA340 STOKLAS, Roman - GREGUŠOVÁ, Dagmar - GAŽI, Štefan - NOVÁK, Jozef - KORDOŠ,

- Peter. Performance of AlGaIn/GaN metal-insulator-semiconductor heterostructure field-effect transistors with AlN gate insulator prepared by reactive magnetron sputtering. In Journal of Vacuum Science and Technology B, 2011, vol. 29, 01A809. (1.268 - IF2010). (2011 - Current Contents). ISSN 1071-1023.
- Citácie:
1. [1.1] NGUYEN, T.Q. - SHIH, H.A. - KUDO, M. - SUZUKI, T. In *PHYSICA STATUS SOLIDI C: CURRENT TOPICS IN SOLID STATE PHYSICS, VOL 10, NO 11. 2013, vol. 10, no. 11, p. 1401-1404., WOS*
- ADCA341 ŠAFRÁNKOVÁ, Jaroslava - HURAN, Jozef - HOTOVÝ, I. - KOBZEV, A.P. - KORENEV, S.A. Characterization of nitrogen-doped amorphous silicon carbide thin films. In Vacuum, 1998, vol. 51, p. 165-167. (0.480 - IF1997). (1998 - Current Contents).
- Citácie:
1. [1.1] SCHNABEL, M. - LOPER, P. - GUTSCH, S. - WILSHAW, P.R. - JANZ, S. In *THIN SOLID FILMS. JAN 1 2013, vol. 527, p. 193-199., WOS*
- ADCA342 ŠEBO, Pavol - MOSER, Zbigniew - ŠVEC, Peter - JANIČKOVIČ, Dušan - DOBROČKA, Edmund - GASIOR, Wladyslaw - PSTRUŠ, Janus. Effect of indium on the microstructure of the interface between Sn₃.13Ag_{0.74}CuIn solder and Cu substrate. In Journal of Alloys and Compounds, 2009, vol. 480, no. 2, p. 409-415. (1.510 - IF2008). (2009 - Current Contents, WOS, SCOPUS). ISSN 0925-8388.
- Citácie:
1. [1.1] LEJUSTE, C. - HODAJ, F. - PETIT, L. Solid state interaction between a Sn-Ag-Cu-In solder alloy and Cu substrate. In *INTERMETALLICS. ISSN 0966-9795, MAY 2013, vol. 36, p. 102-108., WOS*
- ADCA343 ŠMATKO, Vasilij - GOLOVANOV, V. - LIU, C.C. - KIV, A. - FUKS, D. - DONCHEV, I. - IVANOVSKAYA, M. Structural stability of In₂O₃ films as sensor materials Structural stability of In₂O₃ films as sensor materials. In Journal of Materials Science. Materials in Electronics, 2010, vol. 21, p. 360-363. (1.020 - IF2009). (2010 - Current Contents, SCOPUS). ISSN 0957-4522.
- Citácie:
1. [1.1] AFZAL, A. - IQBAL, N. - MUJAHID, A. - SCHIRHAGL, R. In *ANALYTICA CHIMICA ACTA. JUL 17 2013, vol. 787, p. 36-49., WOS*
2. [1.1] ESTACIO, E.S. - QUE, C.T. - AWITAN, F.C.B. - BUGANTE, J.I. - DE VERA, F.I. - AZARES, J. - AFALLA, J. - DE VERO, J. - SOMINTAC, A.S. - SARMAGO, R.V. - SALVADOR, A.A. - YAMAMOTO, K. - TANI, M. In *OPTICS EXPRESS. FEB 13 2012, vol. 20, no. 4, p. 4518-4524., WOS*
3. [1.1] KOROTCENKOV, G. - CHO, B.K. In *PROGRESS IN CRYSTAL GROWTH AND CHARACTERIZATION OF MATERIALS. 2012, vol. 58, no. 4, p. 167-208., WOS*
- ADCA344 ŠOUC, Ján - GÖMÖRY, Fedor - KLINČOK, Boris - FROLEK, Lubomír - VOJENČIAK, Michal - USOSKIN, A. - RUTT, A. AC loss measurement of the YBCO cable model. In IEEE Transactions on Applied Superconductivity, 2007, vol. 17, p. 1718-1721. (0.717 - IF2006). (2007 - Current Contents, WOS, SCOPUS).
- Citácie:
1. [1.1] LI, Z.Y. - MA, Y.H. - RYU, K. - OH, S.R. - YIM, S.W. - HWANG, S.D. In *IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY. JUN 2013, vol. 23, no. 3, 2., WOS*
- ADCA345 ŠOUC, Ján - GÖMÖRY, Fedor - VOJENČIAK, Michal. Calibration free method for measurement of the AC magnetization loss. In Superconductor Science and Technology, 2005, vol. 18, p. 592-595. (1.556 - IF2004). (2005 - Current Contents, WOS, SCOPUS). ISSN 0953-2048.
- Citácie:
1. [1.1] GLASSON, N.D. - STAINES, M.P. - JIANG, Z.N. - ALLPRESS, N.S. In *IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY. JUN 2013, vol. 23, no. 3, 2., WOS*
- ADCA346 ŠOUC, Ján - VOJENČIAK, Michal - GÖMÖRY, Fedor. Experimentally determined transport and magnetization ac losses of small cable models constructed from YBCO coated conductors. In Superconductor Science and Technology, 2010, vol. 23, art. no. 045029. (2.694 - IF2009). (2010 - Current Contents, WOS, SCOPUS). ISSN 0953-2048.

Citácie:

1. [1.1] FUKUI, S. - HATAKEYAMA, S. - NANAYAMA, J. - MARUKO, A. - OGAWA, J. - SATO, T. - OKA, T. - TSUKAMOTO, O. In *IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY*. JUN 2013, vol. 23, no. 3, 2., WOS

2. [1.1] LI, Q. - AMEMIYA, N. - NISHINO, R. - NAKAMURA, T. - OKUMA, T. In *PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS*. JAN 2013, vol. 484, p. 217-222., WOS

ADCA347 ŠOUC, Ján - PARDO, Enric - VOJENČIAK, Michal - GÖMÖRY, Fedor. Theoretical and experimental study of AC loss in high temperature superconductor single pancake coils. In *Superconductor Science and Technology*, 2009, vol. 22, art. no. 015006. (1.847 - IF2008). (2009 - Current Contents, WOS, SCOPUS). ISSN 0953-2048.

Citácie:

1. [1.1] GRINENKO, V. - FUCHS, G. - NENKOV, K. - HOLZAPFEL, B. In

SUPERCONDUCTOR SCIENCE & TECHNOLOGY. MAR 2013, vol. 26, no. 3., WOS

2. [1.1] NGUYEN, D.N. - KIM, C.H. - KIM, J.H. - PAMIDI, S. - ASHWORTH, S.P. In *SUPERCONDUCTOR SCIENCE & TECHNOLOGY*. SEP 2013, vol. 26, no. 9., WOS

3. [1.1] STENVALL, A. - GRILLI, F. - LYL, M. In *IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY*. JUN 2013, vol. 23, no. 3, 3., WOS

4. [1.1] ZERMENO, V.M.R. - ABRAHAMSEN, A.B. - MIJATOVIC, N. - JENSEN, B.B. - SORENSEN, M.P. In *JOURNAL OF APPLIED PHYSICS*. NOV 7 2013, vol. 114, no. 17., WOS

ADCA348 ŠOUC, Ján - GÖMÖRY, Fedor - VOJENČIAK, Michal. Coated conductor arrangement for reduced AC losses in a resistive-type superconducting fault current limiter. In *Superconductor Science and Technology*, 2012, vol. 25, art. no.014005. (2.662 - IF2011). (2012 - Current Contents, WOS, SCOPUS). ISSN 0953-2048.

Citácie:

1. [1.2] Rahman, S.A., Moharana, A., Varma, R.K., Litzenberger, W.H. *IEEE Power and Energy Society General Meeting 2013*, 6672936, SCOPUS

ADCA349 ŠPANKOVÁ, Marianna - VÁVRA, Ivo - CHROMIK, Štefan - HARASEK, S. - LUPTÁK, Roman - ŠOLTÝS, Ján - HUŠEKOVÁ, Kristína. Structural properties of Y2O3 thin films grown on Si(100) and Si(111) substrates. In *Materials Science and Engineering B. B.Solid-State Materials for Advanced Technology*. - Lausanne : Elsevier Science, 2005, vol. 16, p. 30-33. (0.924 - IF2004). (2005 - Current Contents, SCOPUS). ISSN 0921-5107.

Citácie:

1. [1.1] LEI, P. - ZHU, J.Q. - ZHU, Y.K. - JIANG, C.Z. - YIN, X.B. In *SURFACE & COATINGS TECHNOLOGY*. AUG 25 2013, vol. 229, p. 226-230., WOS

2. [1.1] LI, Q. - LIU, J. - LV, W.L. - MO, L.B. - DUAN, D.W. - GU, H.W. - DING, F.Z. - TANG, T. - LUO, D.L. - CAO, J.L. In *INTERNATIONAL JOURNAL OF HYDROGEN ENERGY*. APR 15 2013, vol. 38, no. 11, p. 4266-4271., WOS

3. [1.1] TSIPIS, A. - GKARMPOUNIS, D. In *INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY*. MAR 5 2013, vol. 113, no. 5, SI, p. 694-708., WOS

ADCA350 ŠPANKOVÁ, Marianna - CHROMIK, Štefan - VÁVRA, Ivo - SEDLÁČKOVÁ, K. - LOBOTKA, Peter - LUCAS, S. - STANČEK, S. Epitaxial LSMO films grown on MgO single crystalline substrates. In *Applied Surface Science*, 2007, vol. 253, p. 7599-7603. (1.440 - IF2006). (2007 - Current Contents). ISSN 0169-4332.

Citácie:

1. [1.1] CHENG, H.G. - DENG, N. In *2012 IEEE 11TH INTERNATIONAL CONFERENCE ON SOLID-STATE AND INTEGRATED CIRCUIT TECHNOLOGY (ICSICT-2012)*. 2012, p. 1251-1253., WOS

2. [1.1] MISHRA, A. - DUTTA, A. - SAMADDAR, S. - GUPTA, A.K. In *THIN SOLID FILMS*. MAY 1 2013, vol. 534, p. 67-69., WOS

3. [1.1] NAVASERY, M. - HALIM, S.A. - BAHMANROKH, G. - ERFANI, M. - SOLTANI, N. - DEHZANGI, A. - KAMALIANFAR, A. - DIN, F.U. - ABDOLMOHAMMADI, S. - CHEN, S.K. - LIM, K.P. - MEHDIPOUR, L.A. - ANUAR, A. In *INTERNATIONAL JOURNAL OF ELECTROCHEMICAL SCIENCE*. MAY 2013, vol. 8, no. 5, p. 6905-6921., WOS

4. [1.1] NAVASERY, M. - HALIM, S.A. - SOLTANI, N. - BAHMANROKH, G. -

- DEHZANGI, A. - ERFANI H, M. - KAMALIANFAR, A. - CHEN, S.K. - PAN, K.Y. In INTERNATIONAL JOURNAL OF ELECTROCHEMICAL SCIENCE. JAN 2013, vol. 8, no. 1, p. 467-476., WOS*
5. [1.1] ZHU, X.R. - ZHU, Z.G. - CHEN, C. - SHEN, H.L. - TSUKAMOTO, K. - YANAGISAWA, T. - OKUTOMI, M. - HIGUCHI, N. In CERAMICS INTERNATIONAL. DEC 2013, vol. 39, no. 8, p. 9025-9031., WOS
- ADCA351 TAKÁCS, Silvester - WERNER, A. - SOCHOR, M. Loss contributions in superconducting magnets caused by transient magnetic fields. In Fusion Engineering and Design, 2006, vol. 81, p. 2509-2513. ISSN 0920-3796.
 Citácie:
1. [1.1] DROTZIGER, S. - FIETZ, W.H. - HEIDUK, M. - HELLER, R. - LANGE, C. - LIETZOW, R. - MOHRING, T. In IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY. JUN 2012, vol. 22, no. 3., WOS
- ADCA352 TAKÁCS, Silvester - POLÁK, Milan - KREMPASKÝ, Ludovít. Critical currents of NbTi tapes with differently oriented defects. In Cryogenics, 1983, vol. 23, p. 155. ISSN 0011-2275.
 Citácie:
1. [1.1] ROLANDO, G. - FOUSSAT, A. - KNASTER, J. - ILIN, Y. - NIJHUIS, A. In SUPERCONDUCTOR SCIENCE & TECHNOLOGY. AUG 2013, vol. 26, no. 8., WOS
- ADCA353 TAKÁCS, Silvester. Current and magnetic field distribution in finite superconducting cables. In Superconductor Science and Technology, 2002, vol. 15, p. 1377-1384. (1.511 - IF2001). (2002 - Current Contents, WOS, SCOPUS). ISSN 0953-2048.
 Citácie:
1. [1.1] MARCHEVSKY, M. - DIMARCO, J. - FELICE, H. - HAFALIA, A.R. - JOSEPH, J. - LIZARAZO, J. - WANG, X. - SABBI, G. In IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY. JUN 2013, vol. 23, no. 3, 3., WOS
- ADCA354 TAKÁCS, Silvester. Hysteresis losses in superconductors with an out-of-phase applied magnetic field and current: slab geometry. In Superconductor Science and Technology, 2007, vol. 20, p. 1093-1096. (1.440 - IF2006). (2007 - Current Contents, SCOPUS). ISSN 0953-2048.
 Citácie:
1. [1.1] RUIZ, H.S. - BADIA-MAJOS, A. In JOURNAL OF APPLIED PHYSICS. MAY 21 2013, vol. 113, no. 19., WOS
2. [1.2] Wang, Y.: Fundamental Elements of Applied Superconductivity in Electrical Engineering. Wiley: 2013. ISBN: 9781118451144, SCOPUS
- ADCA355 ĎAPAJNA, Milan - JURKOVIČ, Michal - VALIK, L. - HAŠČÍK, Štefan - GREGUŠOVÁ, Dagmar - BRUNNER, F. - CHO, E.-M. - KUZMÍK, Ján. Bulk and interface trapping in the gate dielectric of GaN based metal-oxide-semiconductor high-electron mobility transistors. In Applied Physics Letters, 2013, vol. 102, 243509. (3.794 - IF2012). (2013 - Current Contents). ISSN 0003-6951.
 Citácie:
1. [1.1] HORI, Y. - YATABE, Z. - HASHIZUME, T. In JOURNAL OF APPLIED PHYSICS. DEC 28 2013, vol. 114, no. 24., WOS
- ADCA356 ĎAPAJNA, Milan - ČIČO, Karol - KUZMÍK, Ján - POGANY, D. - POZZOVIVO, G. - STRASSER, G. - CARLIN, J.-F. - GRANDJEAN, N. - FRÖHLICH, Karol. Thermally induced voltage shift in capacitance-voltage characteristics and its relation to oxide/semiconductor interface states in Ni/Al₂O₃/InAlN/GaN heterostructures. In Semiconductor Science and Technology, 2009, vol. 24, art. no. 035008. (1.434 - IF2008). (2009 - Current Contents). ISSN 0268-1242.
 Citácie:
1. [1.1] AKAZAWA, M. - CHIBA, M. - NAKANO, T. In APPLIED PHYSICS LETTERS. JUN 10 2013, vol. 102, no. 23., WOS
2. [1.1] HAHN, H. - BEHMENBURG, H. - KETTENISS, N. - HEUKEN, M. - KALISCH, H. - VESCAN, A. In PHYSICA STATUS SOLIDI C: CURRENT TOPICS IN SOLID STATE PHYSICS, VOL 10, NO 5. 2013, vol. 10, no. 5, p. 840-843., WOS
3. [1.1] YANG, Y.N. - WANG, X.Q. - LU, L.W. - HUANG, C.C. - XU, F.J. - SHEN, B. In ACTA PHYSICA SINICA. SEP 2013, vol. 62, no. 17., WOS

- ADCA357 ĎAPAJNA, Milan - HUŠEKOVÁ, Kristína - ESPINOS, J.P. - HARMATHA, L. - FRÖHLICH, Karol. Precise determination of metal effective work function and fixed oxide charge in MOS capacitors with high- ϵ dielectric. In *Materials science in semiconductor processing*, 2006, vol. 9, p. 969-974. (2006 - Current Contents).
Citácie:
1. [1.1] JELENKOVIC, E.V. - TO, S. In *ECS SOLID STATE LETTERS*. 2013, vol. 2, no. 5, p. P42-P43., WOS
- ADCA358 ĎAPAJNA, 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] NOH, Y. - YOO, K. - KO, M.J. - SONG, O. In *KOREAN JOURNAL OF METALS AND MATERIALS*. MAR 2013, vol. 51, no. 3, p. 239-243., WOS
2. [1.1] PARK, T. - LEE, J. - PARK, J. - JEON, H. - JEON, H. In *JAPANESE JOURNAL OF APPLIED PHYSICS*. MAY 2013, vol. 52, no. 5, 4, SI., WOS
3. [1.1] SCHEUERMANN, A.G. - PRANGE, J.D. - GUNJI, M. - CHIDSEY, C.E.D. - MCINTYRE, P.C. In *ENERGY & ENVIRONMENTAL SCIENCE*. AUG 2013, vol. 6, no. 8, p. 2487-2496., WOS
- ADCA359 ĎAPAJNA, Milan - KUZMÍK, Ján. A comprehensive analytical model for threshold voltage calculation in GaN based metal-oxide-semiconductor high-electron-mobility transistors. In *Applied Physics Letters*, 2012, vol. 100, art. no. 113509. (3.844 - IF2011). (2012 - Current Contents). ISSN 0003-6951.
Citácie:
1. [1.1] AKAZAWA, M. - NAKANO, T. In *JAPANESE JOURNAL OF APPLIED PHYSICS*. AUG 2013, vol. 52, no. 8, 2, SI., WOS
2. [1.1] CHOU, B.Y. - HSU, W.C. - LEE, C.S. - LIU, H.Y. - HO, C.S. In *SEMICONDUCTOR SCIENCE AND TECHNOLOGY*. JUL 2013, vol. 28, no. 7, SI., WOS
3. [1.1] GREGUSOVA, D. - HUSEKOVA, K. - STOKLAS, R. - BLAHO, M. - JURKOVIC, M. - CARLIN, J.F. - GRANDJEAN, N. - KORDOS, P. In *JAPANESE JOURNAL OF APPLIED PHYSICS*. AUG 2013, vol. 52, no. 8, 2, SI., WOS
4. [1.1] HAHN, H. - BEHMENBURG, H. - KETTENISS, N. - HEUKEN, M. - KALISCH, H. - VESCAN, A. In *PHYSICA STATUS SOLIDI C: CURRENT TOPICS IN SOLID STATE PHYSICS, VOL 10, NO 5*. 2013, vol. 10, no. 5, p. 840-843., WOS
5. [1.1] JOHNSON, D.W. - LEE, R.T.P. - HILL, R.J.W. - WONG, M.H. - BERSUKER, G. - PINER, E.L. - KIRSCH, P.D. - HARRIS, H.R. In *IEEE TRANSACTIONS ON ELECTRON DEVICES*. OCT 2013, vol. 60, no. 10, SI, p. 3197-3203., WOS
6. [1.1] OSVALD, J. In *PHYSICA STATUS SOLIDI A-APPLICATIONS AND MATERIALS SCIENCE*. JUL 2013, vol. 210, no. 7, p. 1340-1344., WOS
7. [1.1] VAN HOVE, M. - KANG, X.W. - STOFFELS, S. - WELLEKENS, D. - RONCHI, N. - VENEGAS, R. - GEENS, K. - DECOUTERE, S. In *IEEE TRANSACTIONS ON ELECTRON DEVICES*. OCT 2013, vol. 60, no. 10, SI, p. 3071-3078., WOS
8. [1.1] WANG, Y.H. - LIANG, Y.C. - SAMUDRA, G.S. - CHANG, T.F. - HUANG, C.F. - YUAN, L. - LO, G.Q. In *2013 IEEE ECCE ASIA DOWNUNDER (ECCE ASIA)*. 2013, p. 379-384., WOS
9. [1.1] WANG, Y.H. - LIANG, Y.C. - SAMUDRA, G.S. - CHANG, T.F. - HUANG, C.F. - YUAN, L. - LO, G.Q. In *SEMICONDUCTOR SCIENCE AND TECHNOLOGY*. DEC 2013, vol. 28, no. 12., WOS
10. [1.1] ZHANG, Y.H. - SUN, M. - JOGLEKAR, S.J. - FUJISHIMA, T. - PALACIOS, T. In *APPLIED PHYSICS LETTERS*. JUL 15 2013, vol. 103, no. 3., WOS
- ADCA360 ĎAPAJNA, Milan - KILLAT, N. - MOEREKE, J. - PASKOVA, T. - EVANS, Kevin R. - LEACH, J. - LI, X. - OZGUR, U. - MORKOC, H. - CHABAK, K.D. - CRESPO, A. - GILLESPIE, J.K. - FITCH, R. - KOSSLER, M. - WALKER, D.E. - TREJO, M. - VIA, G.D. - BLEVINS, J.D. - KUBALL, M. Non-arrhenius degradation of AlGaIn/GaN HEMTs grown on bulk GaN substrates. In *IEEE Electron Devices Letters*, 2012, vol. 33, p. 1126-1128. (2.849 - IF2011). (2012 - Current Contents). ISSN 0741-3106.
Citácie:

1. [1.1] ZANONI, E. - MENEGHINI, M. - CHINI, A. - MARCON, D. - MENEGHESSO, G. In *IEEE TRANSACTIONS ON ELECTRON DEVICES*. OCT 2013, vol. 60, no. 10, SI, p. 3119-3131., WOS
- ADCA361 TEBANO, R. - MELE, R. - BOFFA, V. - GÖMÖRY, Fedor - STRÝČEK, František - SEILER, Eugen. Numerical investigation on AC properties in high T-c superconducting tapes. In *International Journal of Modern Physics B*, 2003, vol. 17, p. 528-533. ISSN 0217-9792.
Citácie:
1. [1.1] RUIZ, H.S. - BADIA-MAJOS, A. In *JOURNAL OF APPLIED PHYSICS*. MAY 21 2013, vol. 113, no. 19., WOS
- ADCA362 TERZIEVA, S. - VOJENČIAK, Michal - GRILLI, F. - NAST, R. - ŠOUC, Ján - GOLDACKER, W. - JUNG, A. - KUDYMOW, A. - KLING, A. Investigation of the effect of striated strands on the AC losses of 2G Roebel cables. In *Superconductor Science and Technology*, 2011, vol. 24, art.no. 045001. (2.402 - IF2010). (2011 - Current Contents, SCOPUS). ISSN 0953-2048.
Citácie:
1. [1.1] KESGIN, I. - LEVIN, G.A. - HAUGAN, T.J. - SELVAMANICKAM, V. In *APPLIED PHYSICS LETTERS*. DEC 16 2013, vol. 103, no. 25., WOS
2. [1.1] MACHI, T. - NAKAO, K. - KATO, T. - HIRAYAMA, T. - TANABE, K. In *SUPERCONDUCTOR SCIENCE & TECHNOLOGY*. OCT 2013, vol. 26, no. 10., WOS
3. [1.1] TAKACS, S. In *SUPERCONDUCTOR SCIENCE & TECHNOLOGY*. MAY 2013, vol. 26, no. 5., WOS
- ADCA363 TERZIEVA, S. - VOJENČIAK, Michal - PARDO, Enric - GRILLI, F. - DRECHSLER, A. - KLING, A. - KUDYMOW, A. - GÖMÖRY, Fedor - GOLDACKER, W. Transport and magnetization ac losses of ROEBEL assembled coated conductor cables: measurements and calculations. In *Superconductor Science and Technology*, 2010, vol. 23, art. no. 014023. (2.694 - IF2009). (2010 - Current Contents, WOS, SCOPUS). ISSN 0953-2048.
Citácie:
1. [1.1] GRINENKO, V. - FUCHS, G. - NENKOV, K. - HOLZAPFEL, B. In *SUPERCONDUCTOR SCIENCE & TECHNOLOGY*. MAR 2013, vol. 26, no. 3., WOS
2. [1.1] HESCH, K. - AKTAA, J. - ANTUSCH, S. - BOCCACCINI, L.V. - DAY, C. - DEMANGE, D. - FIETZ, W.H. - GANTENBEIN, G. - MOSLANG, A. - NORAJITRA, P. - RIETH, M. In *FUSION SCIENCE AND TECHNOLOGY*. JAN 2012, vol. 61, no. 1T, p. 64-69., WOS
3. [1.1] JIANG, Z.N. - KOMEDA, T. - AMEMIYA, N. - LONG, N.J. - STAINES, M. - BADCOCK, R.A. - BUMBY, C. - BUCKLEY, R.G. In *SUPERCONDUCTOR SCIENCE & TECHNOLOGY*. MAR 2013, vol. 26, no. 3., WOS
4. [1.1] YANAGI, N. - MITO, T. - NOGUCHI, H. - TERAZAKI, Y. - TAMURA, H. - IWAKUMA, M. - AOKI, Y. - IZUMI, T. - SHIOHARA, Y. In *ADVANCES IN SUPERCONDUCTIVITY XXIV*. 2012, vol. 27, p. 444-447., WOS
5. [1.1] ZERMENO, V.M.R. - ABRAHAMSEN, A.B. - MIJATOVIC, N. - JENSEN, B.B. - SORENSEN, M.P. In *JOURNAL OF APPLIED PHYSICS*. NOV 7 2013, vol. 114, no. 17., WOS
- ADCA364 THAKUR, K.P. - RAJ, A. - BRANDT, E.H. - KVITKOVIČ, Jozef - PAMIDI, S.V. Frequency-dependent critical current and transport ac loss of superconductor strip and Roebel cable. In *Superconductor Science and Technology*, 2011, vol. 24, art. no. 065024. (2.402 - IF2010). (2011 - Current Contents, SCOPUS). ISSN 0953-2048.
Citácie:
1. [1.1] RUIZ, H.S. - BADIA-MAJOS, A. In *JOURNAL OF APPLIED PHYSICS*. MAY 21 2013, vol. 113, no. 19., WOS
2. [1.1] SOUC, J. - GOMORY, F. - KOVAC, J. - NAST, R. - JUNG, A. - VOJENČIAK, M. - GRILLI, F. - GOLDACKER, W. In *SUPERCONDUCTOR SCIENCE & TECHNOLOGY*. JUL 2013, vol. 26, no. 7., WOS
3. [1.1] STENVALL, A. - SIAHRANG, M. - GRILLI, F. - SIROIS, F. In *SUPERCONDUCTOR SCIENCE & TECHNOLOGY*. APR 2013, vol. 26, no. 4., WOS
4. [1.1] ZERMENO, V.M.R. - ABRAHAMSEN, A.B. - MIJATOVIC, N. - JENSEN, B.B. - SORENSEN, M.P. In *JOURNAL OF APPLIED PHYSICS*. NOV 7 2013, vol. 114, no. 17., WOS

WOS

- ADCA365 TIMKO, Milan - DŽAROVÁ, Anežka - KOPČANSKÝ, Peter - ZÁVIŠOVÁ, Vlasta - KONERACKÁ, Martina - KOVÁČ, Jozef - ŠPRINCOVÁ, Adriana - VÁCLAVÍKOVÁ, Miroslava - IVANIČOVÁ, Lucia - VÁVRA, Ivo. Magnetic Properties of Magnetite Formed by Biomineralization and Chemical Synthesis. In Acta Physica Polonica A, 2008, vol. 113, no. 1, p. 573-576. (0.340 - IF2007). (2008 - Current Contents, WOS, SCOPUS). ISSN 1898-794X.
Citácie:
1. [1.1] JOZEF CZAK, A. - HORNOWSKI, T. - ROZYNEK, Z. - SKUMIEL, A. - FOSSUM, J.O. In INTERNATIONAL JOURNAL OF THERMOPHYSICS. APR 2013, vol. 34, no. 4, p. 609-619., WOS
- ADCA366 TÓBIK, Jaroslav - CAMBEL, Vladimír - KARAPETROV, Goran. Dynamic of vortex nucleation in nanomagnets with broken symmetry. In Physical Review B, 2012, vol. 86, 134433. (3.691 - IF2011). (2012 - Current Contents, WOS, SCOPUS). ISSN 1098-0121.
Citácie:
1. [1.1] BORTOLOTTI, P. - GRIMALDI, E. - DUSSAUX, A. - GROLLIER, J. - CROS, V. - SERPICO, C. - YAKUSHIJI, K. - FUKUSHIMA, A. - KUBOTA, H. - MATSUMOTO, R. - YUASA, S. In PHYSICAL REVIEW B. NOV 20 2013, vol. 88, no. 17., WOS
2. [1.1] ZHANG, L.F. - COVACI, L. - MILOSEVIC, M.V. - BERDIYOROV, G.R. - PEETERS, F.M. In PHYSICAL REVIEW B. OCT 7 2013, vol. 88, no. 14., WOS
- ADCA367 TOMASEK, M. - PLECENIK, T. - TRUCHLY, M. - NOSKOVIC, J. - ROCH, T. - ZAHORAN, M. - CHROMIK, Štefan - ŠPANKOVÁ, Marianna - KÚŠ, P. - PLECENIK, Andrej. Temperature dependence of the resistance switching effect studied on the metal/YBa₂Cu₃O_{6+x} planar junctions. In Journal of Vacuum Science and Technology B, 2011, vol. 29, art.no. 01AD04. (1.268 - IF2010). (2011 - Current Contents). ISSN 1071-1023.
Citácie:
1. [1.1] KUANG, M.Q. - WU, S.Y. - HU, X.F. - LI, G.L. - ZHANG, Z.H. In PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS. SEP 2013, vol. 492, p. 55-58., WOS
2. [1.2] Golebiowski, J. Waśkiewicz, J.: Przegląd Elektrotechniczny 89 (2013) 83, SCOPUS
- ADCA368 TSINDLEKHT, M.I. - GENKIN, V.M. - GAŽI, Štefan - CHROMIK, Štefan. AC conductivity of a niobium thin film in a swept magnetic field. In Journal of Physics: Condensed Matter, 2013, vol. 25, 085701. (2.355 - IF2012). (2013 - Current Contents, WOS, SCOPUS). ISSN 0953-8984.
Citácie:
1. [1.1] KANG, N.L. - LEE, S.S. - CHOI, S.D. In AIP ADVANCES. JUL 2013, vol. 3, no. 7., WOS
- ADCA369 UEDA, K. - KRČMÁR, Roman - GENDIAR, Andrej - NISHINO, T. Corner transfer matrix renormalization group method applied to the ising model on the hyperbolic plane. In Journal of Physical Society of Japan, vol. 76, 2007, art. no. 084004.
Citácie:
1. [1.1] ZUBASZEWSKA, M. - MACIOLEK, A. - DRZEWINSKI, A. In PHYSICAL REVIEW E. NOV 20 2013, vol. 88, no. 5., WOS
- ADCA370 ULBRICHT, A. - DUCHATEAU, J.L. - FIETZ, W.H. - CIAZYNSKI, D. - FILLUNGER, H. - FINK, S. - HELLER, R. - MAIX, R. - NICOLLET, S. - RAFF, S. - RICCI, M. - SALPIETRO, E. - ZAHN, G. - ZANINO, R. - BAGNASCO, M. - BESETTE, D. - BOBROV, E. - BONICELLI, T. - BRUZZONE, P.L. - DARWESCHSAD, M.S. - DECOOL, P. - DOLGETTA, N. - DELLA CORTE, A. - FORMISANO, A. - GRÜNHAGEN, A. - HERTOOUT, P. - HERZ, W. - HUGUET, M. - HURD, F. - ILYIN, Yu. - KOMAREK, P. - LIBEYRE, P. - MARCHESE, V. - MARINUCCI, C. - MARTINEZ, A. - MARTONE, R. - MARTOVETSKY, N.N. - MICHAEL, P. - MITCHELL, N. - NIJHUIS, A. - NÖTHER, G. - NUNOYA, Y. - POLÁK, Milan - PORTONE, A. - SAVOLDI RICHARD, L. - SPADONI, M. - SÜBER, M. - TURTÚ, S. - VOSTNER, A. - TAKAHASHI, Y. - WUCHNER, F. - ZANI, L. The ITER toroidal field model coil project. In Fusion Engineering and Design, 2005, vol. 73, p. 189-327.

- Citácie:
 1. [1.1] *IVANOV, D.P. - KOLBASOV, B.N. - ANASHKIN, I.O. - KHVOSTENKO, P.P. - PAN, W.J. - PRADHAN, S. - SHARMA, A.N. - SONG, Y.T. - WENG, P.D. In FUSION ENGINEERING AND DESIGN. OCT 2013, vol. 88, no. 9-10, p. 1569-1575., WOS*
 2. [1.2] *Ueno, K., Matsui, K., Nishino, T., Isono, T., Okuno, K. Plasma and Fusion Research 8 (2013), 2405062, SCOPUS*
- ADCA371 UŠÁK, Pavol - POLÁK, Milan - KVITKOVIČ, Jozef - BARNES, P.N. - LEVIN, G.A. Current distribution in the winding of a superconducting coil. In IEEE Transactions on Applied Superconductivity, 2008, vol. 18, p. 1597-1600. (1.551 - IF2007). (2008 - Current Contents, SCOPUS).
 Citácie:
 1. [1.1] *IWAI, S. - MIYAZAKI, H. - TOSAKA, T. - TASAKI, K. - URATA, M. - IOKA, S. - ISHII, Y. In PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS. NOV 2013, vol. 494, p. 203-207., WOS*
 2. [1.1] *MATSUMOTO, S. - KIYOSHI, T. - MIYAZOE, A. - OTSUKA, A. - HAMADA, M. - MAEDA, H. - YANAGISAWA, Y. - NAKAGOME, H. - SUEMATSU, H. In IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY. JUN 2013, vol. 23, no. 3, 2., WOS*
- ADCA372 UŠÁK, Pavol - POLÁK, Milan - DEMENČÍK, Eduard - KVITKOVIČ, Jozef - LEVIN, G.A. - BARNES, P.N. The current distribution in a striated YBCO tape subjected to both a magnetization and a transport current. In Superconductor Science and Technology, 2007, vol. 20, p. 994-1001. (1.440 - IF2006). (2007 - Current Contents, SCOPUS). ISSN 0953-2048.
 Citácie:
 1. [1.1] *ZOU, S.N. - GU, C. - QU, T.M. - HAN, Z. In REVIEW OF SCIENTIFIC INSTRUMENTS. OCT 2013, vol. 84, no. 10., WOS*
- ADCA373 VAGOVIČ, Patrik - KORYTÁR, Dušan - CECILIA, A. - HAMANN, E. - ŠVÉDA, L. - PELLICCIA, D. - HÄRTWIG, J. - ZÁPRAŽNÝ, Zdenko - OBERTA, P. - DOLBANYA, I. - SHAWNEY, K. - FLESchIG, U. - FIEDERLE, M. - BAUMBACH, T. High-resolution high-efficiency X-ray imaging system based on the in-line Bragg magnifier and the Medipix detector. In Journal of Synchrotron Radiation, 2013, vol. 20, p. 153-159. (2.186 - IF2012). (2013 - Current Contents). ISSN 0909-0495.
 Citácie:
 1. [3] *Kim SJ, Lee SJ, Park IK, Lee JE, Park SH, Seol KH, Kim JC. In Progress in Medical Physics 2013 24 (1): 41-47*
- ADCA374 VALENTOVIČ, Daniel - ČERVENÁK, Ján - LUBY, Štefan - ALDEA, M.L. - BOTILA, T. Some non-equilibrium phenomena in sputtered cde thin films. In Physica status solidi A, 1979, vol. 56, pp. 341-347. ISSN 0031-8965.
 Citácie:
 1. [1.1] *CIUREA, M.L. In ROMANIAN REPORTS IN PHYSICS. 2013, vol. 65, no. 3, p. 841-856., WOS*
- ADCA375 VALLO, Martin - LALINSKÝ, Tibor - DOBROČKA, Edmund - VANKO, Gabriel - VINCZE, A. - RÝGER, Ivan. Impact of Ir gate interfacial oxide layers on performance of AlGaIn/GaN HEMT. In Applied Surface Science, 2013, vol. 267, p. 159-163. (2.112 - IF2012). (2013 - Current Contents, WOS, SCOPUS). ISSN 0169-4332.
 Citácie:
 1. [1.1] *LIN, R.M. - CHU, F.C. - DAS, A. - LIAO, S.Y. - SU, V.C. In JAPANESE JOURNAL OF APPLIED PHYSICS. NOV 2013, vol. 52, no. 11, 1., WOS*
- ADCA376 VALOVIČ, Albín - HURAN, Jozef - KUČERA, Michal - KOBZEV, A.P. - GAŽI, Štefan. Properties study of silicon carbide thin films prepared by electron cyclotron resonance plasma technology. In European Physical Journal - Applied Physics, 2011, vol. 56, 24013. (0.902 - IF2010). (2011 - Current Contents). ISSN 1286-0042.
 Citácie:
 1. [1.1] *OMAR, M.F. - LEY, H.H. - ZAINAL, J. - ISMAIL, A.K. - IBRAHIM, R.K.R. - SAKRANI, S. In 2013 IEEE 4TH INTERNATIONAL CONFERENCE ON PHOTONICS (ICP). 2013, p. 153-155., WOS*
- ADCA377 VANKO, Gabriel - VALLO, Martin - BRUNCKO, J. - LALINSKÝ, Tibor. Laser ablated

ZnO layers for AlGaIn/GaN HEMT passivation. In Vacuum, 2012, vol. 86, p. 672-674. (1.317 - IF2011). (2012 - Current Contents). ISSN 0042-207X.

Citácie:

1. [1.1] *ELLER, B.S. - YANG, J.L. - NEMANICH, R.J. In JOURNAL OF VACUUM SCIENCE & TECHNOLOGY A. SEP 2013, vol. 31, no. 5., WOS*

ADCA378

VANKO, Gabriel - LALINSKÝ, Tibor - MOZOLOVÁ, Želmíra - LIDAY, J. - VOGRINČIČ, P. - VINCZE, A. - UHEREK, F. - HAŠČÍK, Štefan - KOSTIČ, Ivan. Nb-Ti/Al/Ni/Au based ohmic contacts to AlGaIn/GaN. In Vacuum, 2007, vol. 82, p. 193-169. (0.830 - IF2006).

Citácie:

1. [1.1] *LIN, Y.S. - LIAN, Y.W. - YANG, J.M. - LU, H.C. - HUANG, Y.C. - CHENG, C.H. - HSU, S.S.H. Contact engineering of GaN-on-silicon power devices for breakdown voltage enhancement. In SEMICONDUCTOR SCIENCE AND TECHNOLOGY. JUL 2013, vol. 28, no. 7, SI., WOS*

ADCA379

VANKO, Gabriel - LALINSKÝ, Tibor - HAŠČÍK, Štefan - RÝGER, Ivan - MOZOLOVÁ, Želmíra - ŠKRINIAROVÁ, J. - TOMÁŠKA, M. - KOSTIČ, Ivan - VINCZE, A. Impact of SF6 plasma treatment on performance of AlGaIn/GaN HEMT. In Vacuum, 2009, vol. 84, p. 235-237. (1.114 - IF2008). (2009 - Current Contents). ISSN 0042-207X.

Citácie:

1. [1.1] *ZHANG, H.Y. - YANG, X.M. - YU, T. - JIN, C.G. - YE, C. - ZHUGE, L.J. - WU, X.M. Role of high-frequency power in C4F8 dual-frequency capacitively coupled plasmas treating high-k HfO2 films. In JOURNAL OF PHYSICS D-APPLIED PHYSICS. OCT 30 2013, vol. 46, no. 43., WOS*

2. [1.2] *Bisi, D., Meneghini, M., Stocco, A., Cibin, G., Pantellini, A., Nanni, A., Lanzieri, C.b, Zanoni, E., Meneghesso, G. European Solid-State Device Research Conference 2013, Art. no. 6818819, Pp 61-64, SCOPUS*

ADCA380

VANKO, Gabriel - DRŽÍK, Milan - VALLO, Martin - LALINSKÝ, Tibor - KUTIŠ, V. - STANČÍK, S. - RÝGER, Ivan - BENČUROVÁ, Anna. AlGaIn/GaN C-HEMT structures for dynamic stress detection. In Sensors and Actuators A, 2011, vol. 172, p. 98-102. (3.368 - IF2010). (2011 - Current Contents). ISSN 0925-4005.

Citácie:

1. [1.1] *WANG, A. - TADJER, M.J. - ANDERSON, T.J. - BARANYAI, R. - POMEROY, J.W. - FEYGELSON, T.I. - HOBART, K.D. - PATE, B.B. - CALLE, F. - KUBALL, M. Impact of Intrinsic Stress in Diamond Capping Layers on the Electrical Behavior of AlGaIn/GaN HEMTs. In IEEE TRANSACTIONS ON ELECTRON DEVICES. OCT 2013, vol. 60, no. 10, SI, p. 3149-3156., WOS*

ADCA381

VÁVRA, Ivo - LUBY, Štefan. Resistivity and structure of evaporated polycrystalline molybdenumfilms. In Thin Solid Films, 1980, vol. 69, p. 169-174. ISSN 0040-6090.

Citácie:

1. [1.1] *RAFAJA, D. - KOSTENBAUER, H. - MUHLE, U. - LOFFLER, C. - SCHREIBER, G. - KATHREIN, M. - WINKLER, J. In THIN SOLID FILMS. JAN 15 2013, vol. 528, p. 42-48., WOS*

ADCA382

VÁVRA, Ivo - LOBOTKA, Peter - DÉRER, Ján - GAŽI, Štefan - WALLENBERG, L.R. - HOLÝ, V. - KUBĚNA, J. - SOBOTA, J. Stacked Josephson junction based on Nb/Ti superlattice. In Journal of Low Temperature Physics, 1997, vol. 106, p. 373. (1.448 - IF1996). (1997 - Current Contents, WOS, SCOPUS). ISSN 0022-2291.

Citácie:

1. [1.1] *KASHYAP, S. - CHATTOPADHYAY, K. In THIN SOLID FILMS. MAR 15 2013, vol. 531, p. 312-319., WOS*

ADCA383

VÁVRA, Ondrej - GAŽI, Štefan - GOLUBOVIČ, J. - VÁVRA, Ivo - DÉRER, Ján - VERBEECK, J. - VAN TENDELOO, G. - MOSHCHALKOV, V.V. 0 and ? phase Josephson coupling through an insulating barrier with magnetic impurities. In Physical Review B : condensed matter, 2006, vol. 74, p. 020502. (3.185 - IF2005). (2006 - Current Contents, WOS, SCOPUS). ISSN 1098-0121.

Citácie:

1. [1.1] *ALI, A. - SUSANTO, H. - WATTIS, J.A.D. In PHYSICA D-NONLINEAR PHENOMENA. MAR 1 2013, vol. 246, no. 1, p. 15-22., WOS*

- ADCA384 VILJAMAA, Jonna - ROSTILA, L. - KOVÁČ, Pavol - MELIŠEK, Tibor - HINTERBERGER, A. - REISSNER, M. Comparison of different critical current density models for undoped monofilamentary Ti-sheathed MgB2 tapes. In Journal of Superconductivity and Novel Magnetism, 2011, vol. 24, p. 287-297. (1.014 - IF2010). (2011 - Current Contents). ISSN 1557-1939.
Citácie:
1. [1.1] *GIUNCHI, G. - SAGLIETTI, L. - ALBISETTI, A.F. - PERINI, E. - SCHIAVONE, C. - RIPAMONTI, G. - UGLIETTI, D. - BRUZZONE, P.L. In IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY. JUN 2013, vol. 23, no. 3, 3., WOS*
- ADCA385 VILJAMAA, Jonna - KARIO, A. - DOBROČKA, Edmund - REISSNER, M. - KULICH, Miloslav - KOVÁČ, Pavol - HAESSLER, W. Effect of heat treatment temperature on superconducting performance of B4C added MgB2/Nb conductors. In Physica C, 2012, vol. 473, p. 34-40. (1.014 - IF2011). (2012 - Current Contents, WOS, SCOPUS). ISSN 0921-4534.
Citácie:
1. [1.2] *Yan, G.a, Wang, Q.b, Liu, G.b, Xiong, X.b, Pan, X.a, Feng, Y. Materials China Vol. 32, (2013), Pp 550-561, SCOPUS*
- ADCA386 VINCZE, A. - ŠATKA, A. - PETERNAI, L. - KOVÁČ, Jaroslav - HASENÖHRL, Stanislav - VESELÝ, M. SIMS and SEM analysis of In1-x-yP LED structure grown on In1-xP graded buffer. In Applied Surface Science, 2006, vol. 252, p. 7279-7282. (2006 - Current Contents). ISSN 0169-4332.
Citácie:
1. [1.1] *BOUHEMADOU, A. - GHEBOULI, M.A. - GHEBOULI, B. - FATMI, M. - BIN-OMRAN, S. - UCGUN, E. - OCAK, H.Y. In MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING. JUN 2013, vol. 16, no. 3, p. 718-726., WOS*
- ADCA387 VINCZE, A. - LUPTÁK, Roman - HUŠEKOVÁ, Kristína - DOBROČKA, Edmund - FRÖHLICH, Karol. Thermal stability of GdScO3 and LaLuO3 films prepared by liquid injection MOCVD. In Vacuum, 2009, vol. 84, p. 170. (1.114 - IF2008). (2009 - Current Contents).
Citácie:
1. [1.1] *FEIJOO, P.C. - PAMPILLON, M.A. - ANDRES, E.S. - FIERRO, J.L.G. In SEMICONDUCTOR SCIENCE AND TECHNOLOGY. AUG 2013, vol. 28, no. 8., WOS*
2. [1.1] *WANG, Y.Y. - QI, Z.M. - SHAO, T. - CHENG, X.R. - ZHANG, G.B. - LI, T.T. - LI, C.X. - PAN, G.Q. In JOURNAL OF ALLOYS AND COMPOUNDS. SEP 15 2013, vol. 571, p. 103-106., WOS*
- ADCA388 VOJENČIAK, Michal - ŠOUC, Ján - GÖMÖRY, Fedor. Critical current and AC loss analysis of a superconducting power transmission cable with ferromagnetic diverters. In Superconductor Science and Technology, 2011, vol. 24, art. no. 075001. (2.402 - IF2010). (2011 - Current Contents, SCOPUS). ISSN 0953-2048.
Citácie:
1. [1.1] *AINSLIE, M.D. - YUAN, W.J. - FLACK, T.J. In IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY. JUN 2013, vol. 23, no. 3, 2., WOS*
2. [1.1] *GOZZELINO, L. - GERBALDO, R. - GHIGO, G. - LAVIANO, F. - AGOSTINO, A. - BONOMETTI, E. - CHIAMPI, M. - MANZIN, A. - ZILBERTI, L. In IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY. JUN 2013, vol. 23, no. 3, 3., WOS*
- ADCA389 VOJENČIAK, Michal - ŠOUC, Ján - CEBALLOS, J.M. - GÖMÖRY, Fedor - KLINČOK, Boris - PARDO, Enric - GRILLI, F. Study of ac loss in Bi-2223/Ag tape under the simultaneous action of ac transport current and ac magnetic field shifted in phase. In Superconductor Science and Technology. - Bristol : IOP Publishing Ltd., 2006, vol. 19, p. 397-404. (1.896 - IF2005). (2006 - Current Contents, WOS, SCOPUS). ISSN 0953-2048.
Citácie:
1. [1.1] *RUIZ, H.S. - BADIA-MAJOS, A. In JOURNAL OF APPLIED PHYSICS. MAY 21 2013, vol. 113, no. 19., WOS*
- ADCA390 WEISS, F. - LINDNER, J. - SENATEUR, J.P. - DUBORDIEU, C. - GALINDO, V. - AUDIER, M. - ABRUTIS, A. - ROSINA, Milan - FRÖHLICH, Karol - HAESSLER, W. - OSWALD, Steffen - FIGUERAS, A. - SANTISO, J. Injection MOCVD : ferroelectric thin

films and functional oxide superlattices. In Surface and coatings technology, 2000, vol. 133-134, p. 191-197.

Citácie:

1. [1.1] MANOLE, C.C. - MAURY, F. - DEMETRESCU, I. In NINETEENTH EUROPEAN CONFERENCE ON CHEMICAL VAPOR DEPOSITION (EUROCVI 19). 2013, vol. 46, p. 46-55., WOS

- ADCA391 ZANINO, R. - BAGNASCO, M. - BELLINA, F. - BONICELLI, T. - DELLA CORTE, A. - DI ZENOBIO, A. - FIETZ, W.H. - FORMISANO, A. - HELLER, R. - ILUIN, Yu. - MARCHESE, V. - MARTONE, R. - MUZZI, L. - NIJHUIS, A. - POLÁK, Milan - RIBANI, P. - SALPIETRO, E. - SAVOLDI RICHARD, L. - TURTU, S. - VERDINI, L. - ZAHN, G.R. Current distribution measurement on the ITER-type NbTi bus bar III. In IEEE Transactions on Applied Superconductivity, vol. 15, 2005, p. 1407-1410.

Citácie:

1. [1.1] FERRERO, R. - MARRACCI, M. - TELLINI, B. In IEEE TRANSACTIONS ON INSTRUMENTATION AND MEASUREMENT. JAN 2013, vol. 62, no. 1, p. 177-184., WOS

- ADCA392 ZANNELLA, S. - MONTELATICI, L. - GRENCI, G. - POJER, M. - JANŠÁK, Lubomil - MAJOROŠ, Milan - COLETTA, G. - MELE, R. - TEBANO, R. - ZANOVELLO, F. AC losses in transport current regime in applied ac magnetic field: experimental analysis and modeling. In IEEE Transactions on Applied Superconductivity, 2001, vol. 11, no. 1, p. 2441-2444. (0.791 - IF2000).

Citácie:

1. [1.1] RUIZ, H.S. - BADIA-MAJOS, A. In JOURNAL OF APPLIED PHYSICS. MAY 21 2013, vol. 113, no. 19., WOS

- ADCA393 ZÁPRAŽNÝ, Zdenko - KORYTÁR, Dušan - ÁČ, V. - KONOPKA, Pavol - BIELECKI, J. Phase contrast imaging of lightweight objects using microfocus X-ray source and high resolution CCD camera. In Journal of Instrumentation, 2012, vol. 7, c03005. (1.869 - IF2011). (2012 - Current Contents, WOS, SCOPUS). ISSN 1748-0221.

Citácie:

1. [1.1] SUNG, Y.J. - GUPTA, R. In OPTICS EXPRESS. OCT 7 2013, vol. 21, no. 20, p. 23671-23678., WOS

2. [1.1] SUNG, Y.J. - SHEPPARD, C.J.R. - BARBASTATHIS, G. - ANDO, M. - GUPTA, R. In OPTICS EXPRESS. JUL 29 2013, vol. 21, no. 15, p. 17547-17557., WOS

- ADCA394 ZAŤKO, Bohumír - DUBECKÝ, František - PŘIBIL, Jiří - BOHÁČEK, Pavol - FROLLO, Ivan - ŠČEPKO, Pavol - MUDROŇ, J. - GRYBOŚ, Paweł - NEČAS, V. On the development of portable X-ray CT mini-system using semi-insulating GaAs radiation imaging detectors. In Nuclear Instruments and Methods in Physics Research A, 2009, vol. 607, p. 67-70. (1.019 - IF2008). ISSN 0168-9002.

Citácie:

1. [1.1] MOULEESWARAN, D. - KOYAMA, T. - TANAKA, A. - HAYAKAWA, Y. In JOURNAL OF CRYSTAL GROWTH. JAN 1 2013, vol. 362, p. 238-242., WOS

- ADCA395 ZÁVIŠOVÁ, Vlasta - KONERACKÁ, Martina - ŠTRBÁK, Oliver - TOMAŠOVIČOVÁ, Natália - KOPČANSKÝ, Peter - TIMKO, Milan - VÁVRA, Ivo. Encapsulation of indomethacin in magnetic biodegradable polymer nanoparticles. In Journal of Magnetism and Magnetic Materials, 2007, vol. 311, no. 1, p. 379-382. (1.212 - IF2006). (2007 - Current Contents, WOS, SCOPUS). ISSN 0304-8853.

Citácie:

1. [1.1] ANIRUDHAN, T.S. - DILU, D. - SANDEEP, S. Synthesis and characterisation of chitosan crosslinked-beta-cyclodextrin grafted silylated magnetic nanoparticles for controlled release of Indomethacin. In JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS. OCT 2013, vol. 343, p. 149-156., WOS

- ADCA396 ZÁVIŠOVÁ, Vlasta - KONERACKÁ, Martina - MÚČKOVÁ, Marta - LAZOVÁ, Jana - JURÍKOVÁ, Alena - LANCZ, Gábor - TOMAŠOVIČOVÁ, Natália - TIMKO, Milan - KOVÁČ, Jozef - VÁVRA, Ivo - FABIÁN, Martin - FEOKTYSOV, A. - GARAMUS, Vasil M. - AVDEEV, Mikhail V. - KOPČANSKÝ, Peter. Magnetic fluid poly(ethylene glycol) with moderate anticancer activity. In Journal of Magnetism and Magnetic Materials, 2011, vol. 323, no. 10, p. 1408-1412. (1.690 - IF2010). (2011 - Current Contents, WOS,

SCOPUS). ISSN 0304-8853.

Citácie:

1. [1.1] ARANA, M. - JACOBO, S.E. - TROIANI, H. - BERCOFF, P.G. In *IEEE TRANSACTIONS ON MAGNETICS*. AUG 2013, vol. 49, no. 8, 1, p. 4547-4550., WOS

ADDA Vedecké práce v domácich karentovaných časopisoch impaktovaných

ADDA01 BÁRDOŠOVÁ, Mária - HODGE, P. - ŠMATKO, Vasilij - TREGOLD, R.H. - WHITEHEAD, D. A new method of forming synthetic opals. In *Acta Physica Slovaca : journal for experimental and theoretical physics*, 2004, vol. 54, no. 4, p. 409-415. (0.579 - IF2003). (2004 - Current Contents, WOS, SCOPUS). ISSN 0323-0465.

Citácie:

1. [1.1] YANG, Y.M. *Fabrication of Antireflective Self-Cleaning Surfaces Using Layer-by-Layer Assembly Techniques*. In *SELF-CLEANING MATERIALS AND SURFACES: A NANOTECHNOLOGY APPROACH*. 2013, p. 277-311., WOS

ADDA02 MESÁROŠOVÁ, Monika - ČIAMPOR, Fedor - ZÁVIŠOVÁ, Vlasta - KONERACKÁ, Martina - URSÍNYOVÁ, M. - KOZICS, Katarína - TOMAŠOVIČOVÁ, Natália - HASHIM, Anežka - VÁVRA, Ivo - KRIŽANOVÁ, Zuzana - HUSEKOVA, Z. - KUBOVČIKOVÁ, Martina - KOPČANSKÝ, Peter - TIMKO, Milan - GÁBELOVÁ, Alena. The intensity of internalization and cytotoxicity of superparamagnetic iron oxide nanoparticles with different surface modifications in human tumor and diploid lung cells. In *Neoplasma*, 2012, vol. 59, no. 5, p. 584-597. (1.440 - IF2011). (2012 - Current Contents, WOS, SCOPUS). ISSN 0028-2685.

Citácie:

1. [1.1] POMBO-GARCIA, K. - ZARSCHLER, K. - BARRETO, J.A. - HESSE, J. - SPICCIA, L. - GRAHAM, B. - STEPHAN, H. *Design, synthesis, characterisation and in vitro studies of hydrophilic, colloidally stable, Cu-64(II)-labelled, ultrasmall iron oxide nanoparticles in a range of human cell lines*. In *RSC ADVANCES*. 2013, vol. 3, no. 44, p. 22443-22454., WOS

ADDA03 TAKÁCS, Silvester. Properties of superfine superconducting filaments embedded in normal matrix. In *Czechoslovak journal of physics*, 1986, vol. 36, p. 524-536. ISSN 0011-4626.

Citácie:

1. [1.1] CORDOBA, R. - BATURINA, T.I. - SESE, J. - MIRONOV, A.Y. - DE TERESA, J.M. - IBARRA, M.R. - NASIMOV, D.A. - GUTAKOVSKII, A.K. - LATYSHEV, A.V. - GUILLAMON, I. - SUDEROW, H. - VIEIRA, S. - BAKLANOV, M.R. - PALACIOS, J.J. - VINOKUR, V.M. In *NATURE COMMUNICATIONS*. FEB 2013, vol. 4., WOS

ADEB Vedecké práce v zahraničných nekarentovaných časopisoch neimpaktovaných

ADEB01 BLAGOEV, B. - MATEEV, E. - ŠTRBÍK, Vladimír - NURGALIEV, T. - USPENSKAYA, L. Magnetron sputtering of polycrystalline LSMO/YBCO structures on sapphire substrates. In *Journal of Physics: Conference Series : 16th International Summer School on Vacuum, Electron, and Ion Technologies (VEIT 2009)*, 2010, vol. 223, art. no. 012015. (2010 - WOS, SCOPUS). ISSN 1742-6588.

Citácie:

1. [1.2] Chattopadhyay, S., Panda, J., Nath, T.K. *Journal of Applied Physics* 113 (2013), 194501, SCOPUS

ADEB02 ČIČO, Karol - GREGUŠOVÁ, Dagmar - GAŽI, Štefan - ŠOLTÝS, Ján - KUZMÍK, Ján - CARLIN, J.-F. - GRANDJEAN, N. - POGANY, D. - FRÖHLICH, Karol. Optimization of the ohmic contact processing in InAlN/GaN high electron mobility transistors for lower temperature of annealing. In *Physica Status Solidi C*, 2010, vol. 7, p. 108-111. (2010 - INSPEC, SCOPUS). ISSN 1862-6351.

Citácie:

1. [1.1] KIM, S. - RYOU, J.H. - DUPUIS, R.D. - KIM, H. In *APPLIED PHYSICS LETTERS*. FEB 4 2013, vol. 102, no. 5., WOS

ADEB03 EDWARDS, M.J. - LE BOULBAR, E.D. - VITTOZ, S. - VANKO, Gabriel - BRINKFELDT, K. - RUFER, L. - JOHANDER, P. - LALINSKÝ, Tibor - BOWEN, C.R. -

ALLSOPP, D.W.E. Pressure and temperature dependence of GaN/AlGaIn HEMT based sensors on a sapphire membrane. In *Physica status solidi C. Current topics in solid state physics*, 2012, vol. 9, p. 960-963. (2012 - SCOPUS). ISSN 1862-6351.

Citácie:

1. [1.1] FANG, J.Y. - LEE, G.Y. - CHYI, J.I. - HSU, C.P. - KANG, Y.W. - FANG, K.C. - KAO, W.L. - YAO, D.J. - HSU, C.H. - HUANG, Y.F. - CHEN, C.C. - LI, S.S. - YEH, J.A. - REN, F. - WANG, Y.L. In *JOURNAL OF APPLIED PHYSICS. NOV 28 2013, vol. 114, no. 20., WOS*

2. [1.2] Fang, J.-Y., Hsu, C.-P., Kang, Y.-W., Fang, K.C., Ren, F., Wang, Y.-L. *ECS Transactions Vol 58, (2014), Pp 3-7, SCOPUS*

ADEB04 FEDORKO, P. - SKÁKALOVÁ, V. - FOLTIN, O. - KOLENIC, F. - ŠMATKO, Vasilij. Carbon Onions: Optical investigations of electron beam irradiated carbon materials. In *Materials Science Forum*, 1995, vol. 191, p. 171-176. ISSN 0255-5476.

Citácie:

1. [1.1] BAMBHA, R.P. - DANSSON, M.A. - SCHRADER, P.E. - MICHELSEN, H.A. In *APPLIED PHYSICS B-LASERS AND OPTICS. SEP 2013, vol. 112, no. 3, p. 343-358., WOS*

ADEB05 HOTOVÝ, I. - HURAN, Jozef - SPIESS, L. - ROMANUS, H. - CAPONE, S. - REHACEK, V. - TAURINO, A.M. - DONOVAL, D. - SICILIANO, P. Au-NiO nanocrystalline thin films for sensor application. In *Journal of Physics: Conference Series*, 2007, vol. 61, p. 435-439. ISSN 1742-6588.

Citácie:

1. [1.1] CHRISTY, A.J. - UMADEVI, M. In *MATERIALS RESEARCH BULLETIN. OCT 2013, vol. 48, no. 10, p. 4248-4254., WOS*

ADEB06 HUDEC, Boris - HUŠEKOVÁ, Kristína - DOBROČKA, Edmund - LALINSKÝ, Tibor - AARIK, J. - AIDLA, A. - FRÖHLICH, Karol. High-permittivity metal-insulator-metal capacitors with TiO₂ rutile dielectric and RuO₂ bottom electrode. In *Institute of Physics Conference Series : Materials Science and Engineering*, 2010, vol. 8, art. no. 012024. (2010 - SCOPUS). ISSN 1757-8981.

Citácie:

1. [1.1] BHATTACHARYA, P. - SAHOO, S. - DAS, C.K. In *EXPRESS POLYMER LETTERS. MAR 2013, vol. 7, no. 3, p. 212-223., WOS*

2. [1.1] MAMALCHEL, A. - TYRSTED, C. - BOJESEN, E.D. - HALD, P. - IVERSEN, B.B. In *CRYSTAL GROWTH & DESIGN. NOV 2013, vol. 13, no. 11, p. 4730-4734., WOS*

3. [1.1] YEN, C.F. - LEE, M.K. In *SOLID-STATE ELECTRONICS. JUL 2012, vol. 73, p. 56-59., WOS*

ADEB07 KOVÁČ, Pavol - HUŠEK, Imrich - MELIŠEK, Tibor. MgB₂ composite superconductors made by ex-situ and in-situ process. In *Advances in Science and Technology*, 2006, vol. 47, p. 131-136.

Citácie:

1. [1.1] NARDELLI, D. - MATERA, D. - VIGNOLO, M. - BOVONE, G. - PALENZONA, A. - SIRI, A.S. - GRASSO, G. In *SUPERCONDUCTOR SCIENCE & TECHNOLOGY. JUL 2013, vol. 26, no. 7., WOS*

ADEB08 KUZMÍK, Ján - POZZOVIVO, G. - CARLIN, J.-F. - GONSCHOREK, M. - FELTIN, E. - GRANDJEAN, N. - STRASSER, G. - POGANY, D. - GORNIK, E. Off-state breakdown in InAlN/GaN HEMTs. In *Physica Status Solidi (C) : current topics in solid state physics*, 2009, vol. 6, p. S925-S928. (2009 - INSPEC, SCOPUS). ISSN 1862-6351.

Citácie:

1. [1.1] OHI, K. - ASUBAR, J.T. - NISHIGUCHI, K. - HASHIZUME, T. In *IEEE TRANSACTIONS ON ELECTRON DEVICES. OCT 2013, vol. 60, no. 10, SI, p. 2997-3004., WOS*

2. [1.1] SAITO, H. - TAKADA, Y. - KURAGUCHI, M. - YUMOTO, M. - TSUDA, K. In *PHYSICA STATUS SOLIDI C: CURRENT TOPICS IN SOLID STATE PHYSICS, VOL 10, NO 5. 2013, vol. 10, no. 5, p. 824-826., WOS*

3. [1.1] ZHOU, Q. - CHEN, W.J. - LIU, S.H. - ZHANG, B. - FENG, Z.H. - CAI, S.J. - CHEN, K.J. In *2013 25TH INTERNATIONAL SYMPOSIUM ON POWER SEMICONDUCTOR DEVICES AND ICS (ISPSD). 2013, p. 195-198., WOS*

4. [1.1] ZHOU, Q. - CHEN, W.J. - LIU, S.H. - ZHANG, B. - FENG, Z.H. - CAI, S.J. - CHEN, K.J. In GALLIUM NITRIDE AND SILICON CARBIDE POWER TECHNOLOGIES 3. 2013, vol. 58, no. 4, p. 351-363., WOS

5. [1.1] ZHOU, Q. - CHEN, W.J. - LIU, S.H. - ZHANG, B. - FENG, Z.H. - CAI, S.J. - CHEN, K.J. In IEEE TRANSACTIONS ON ELECTRON DEVICES. MAR 2013, vol. 60, no. 3, p. 1075-1081., WOS

ADEB09 POLÁK, Milan - UŠÁK, E. - JANŠÁK, Lubomil - DEMENČÍK, Eduard - LEVIN, G.A. - BARNES, P.N. - WEHLER, D. - MOENTER, B. Coupling losses and transverse resistivity of multifilament YBCO coated. In Journal of Physics: Conference Series, 2006, vol. 43, p. 591-594. (2006 - WOS, SCOPUS). ISSN 1742-6588.

Citácie:

1. [1.1] AINSLIE, M.D. - YUAN, W.J. - FLACK, T.J. In IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY. JUN 2013, vol. 23, no. 3, 2., WOS

ADEB10 POZZOVIVO, G. - KUZMÍK, Ján - GIESEN, C. - HEUKEN, M. - LIDAY, J. - STRASSER, G. - POGANY, D. Low resistance ohmic contacts annealed at 600 °C on a InAlN/GaN heterostructure with SiCl₄-reactive ion etching surface treatment. In Physica Status Solidi (C) : current topics in solid state physics, 2009, vol. 6, p. S999-S1002. (2009 - INSPEC, SCOPUS). ISSN 1862-6351.

Citácie:

1. [1.1] KIM, S. - KIM, H.J. - CHOI, S. - LOCHNER, Z. - RYOU, J.H. - DUPUIS, R.D. - AHN, K.S. - KIM, H. In JAPANESE JOURNAL OF APPLIED PHYSICS. OCT 2013, vol. 52, no. 10, 2, SI., WOS

2. [1.1] KIM, S. - RYOU, J.H. - DUPUIS, R.D. - KIM, H. In APPLIED PHYSICS LETTERS. FEB 4 2013, vol. 102, no. 5., WOS

ADEB11 SEILER, Eugen - FROLEK, Lubomír. AC loss of the YBCO coated conductor in high magnetic fields. In Journal of Physics: Conference Series, 2008, vol. 97, art. no. 012028. (2008 - WOS, SCOPUS). ISSN 1742-6588.

Citácie:

1. [1.1] GUILLEMAUT, C. - VELAZQUEZ, J.J.E.H. - SUAREZ, A. In FUSION ENGINEERING AND DESIGN. DEC 2013, vol. 88, no. 12, p. 3312-3323., WOS

ADEB12 ŠOUC, Ján - VOJENČIAK, Michal - GÖMÖRY, Fedor - GRANADOS, X. - USOV, A.I. - RUTT, A. AC loss of YBCO coated tape prepared by laser ablation. In Journal of Physics: Conference Series, 2006, vol. 43, p. 127-129. (2006 - WOS, SCOPUS). ISSN 1742-6588.

Citácie:

1. [1.1] METKUS, K.M. - OSOFSKY, M.S. - CHARIPAR, N.A. - PIQUE, A. In JOURNAL OF LASER MICRO NANOENGINEERING. JAN 2013, vol. 8, no. 1, p. 19-23., WOS

ADFA Vedecké práce v domácich nekarentovaných časopisoch impaktovaných

ADFA01 FRÖHLICH, Karol - FEDOR, Ján - KOSTIČ, Ivan - MAŇKA, Ján - BALLO, P. Gadolinium scandate: next candidate for alternative gate dielectric in CMOS technology? In Journal of Electrical Engineering, 2011, vol. 62, p. 54-56. (0.278 - IF2010). (2011 - INSPEC, SCOPUS). ISSN 1335-3632.

Citácie:

1. [1.1] FEIJOO, P.C. - PAMPILLON, M.A. - ANDRES, E.S. - FIERRO, J.L.G. In SEMICONDUCTOR SCIENCE AND TECHNOLOGY. AUG 2013, vol. 28, no. 8., WOS

2. [1.1] PAMPILLON, M.A. - FEIJOO, P.C. - SAN ANDRES, E. - LUCIA, M.L. In JOURNAL OF VACUUM SCIENCE & TECHNOLOGY B. JAN 2013, vol. 31, no. 1., WOS

3. [1.1] PAMPILLON, M.A. - FEIJOO, P.C. - SAN ANDRES, E. In MICROELECTRONIC ENGINEERING. SEP 2013, vol. 109, p. 236-239., WOS

ADFA02 HURAN, Jozef - VALOVIČ, Albin - KUČERA, Michal - KLEINOVÁ, Angela - KOVÁČOVÁ, Eva - BOHÁČEK, Pavol - SEKÁČOVÁ, Mária. Hydrogenated amorphous silicon carbon nitride films prepared by PECVD technology: properties. In Journal of Electrical Engineering, 2012, vol. 65, p. 333-335. (0.370 - IF2011). (2012 - INSPEC, SCOPUS). ISSN 1335-3632.

Citácie:

1. [1.1] *GANGOPADHYAY, U. - JANA, S. - DAS, S. - GHOSH, P. - MONDAL, A. In JOURNAL OF RENEWABLE AND SUSTAINABLE ENERGY. MAY 1 2013, vol. 5, no. 3., WOS*

ADFA03 ŠTRBÍK, Vladimír - CHROMIK, Štefan. Characterization of electrical transport in LSMO with enhanced temperature of metal-insulator transition. In Journal of Electrical Engineering, 2012, vol. 63, p. 270-272. (0.370 - IF2011). (2012 - INSPEC, SCOPUS). ISSN 1335-3632.

Citácie:

1. [1.1] *BARRIONUEVO, D. - ORTEGA, N. - KUMAR, A. - CHATTERJEE, R. - SCOTT, J.F. - KATIYAR, R.S. In JOURNAL OF APPLIED PHYSICS. DEC 21 2013, vol. 114, no. 23., WOS*

2. [1.1] *ZHU, H.W. - WANG, S.L. - LI, X.Y. In MODERN PHYSICS LETTERS B. JUL 10 2013, vol. 27, no. 17., WOS*

ADFA04 ŠTRBÍK, Vladimír - BEŇAČKA, Štefan - GAŽL, Štefan - ŠMATKO, Vasilij - CHROMIK, Štefan - DUJAVOVÁ, Agáta - VÁVRA, Ivo. Effect of gallium focused ion beam irradiation on properties of YBa₂Cu₃O_x/La_{0,67}Sr_{0,33}MnO₃ heterostructures. In Journal of Electrical Engineering, 2011, vol. 62, p. 109-113. (0.278 - IF2010). (2011 - INSPEC, SCOPUS). ISSN 1335-3632.

Citácie:

1. [1.1] *CUI, A.J. - LI, W.X. - SHEN, T.H.H. - YAO, Y. - FENTON, J.C. - PENG, Y. - LIU, Z. - ZHANG, J.W. - GU, C.Z. In SCIENTIFIC REPORTS. AUG 13 2013, vol. 3., WOS*

2. [1.1] *POPOVIC, Z. - DOBROSAVLJEVIC-GRUJIC, L. - ZIKIC, R. In JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN. NOV 2013, vol. 82, no. 11., WOS*

ADFB Vedecké práce v domácich nekarentovaných časopisoch neimpaktovaných

ADFB01 HRIVNÁK, Lubomír. The approximative formulas for longitudinal optical phonon energy and density in tetrahedrally coordinated AnB_{8-n} crystals. In Czechoslovak journal of physics B, 1986, vol. 36, p. 771. ISSN 0011-4626.

Citácie:

1. [1.2] *Ferris, K.F., Jones, D.M. IEEE Transactions on Nuclear Science 60 (2013), 6497533, pp. 1237-1242, SCOPUS*

ADFB02 PŘIBIL, Jiří - ZÁTKO, Bohumír - FROLLO, Ivan - DUBECKÝ, František - ŠČEPKO, P. - MUDROŇ, J. Quantum imaging X-ray CT systems based on GaAs radiation detectors using perspective imaging reconstruction techniques. In Measurement Science Review, 2009, vol. 9, no. 1, p. 27-32. (2009 - WOS, SCOPUS, Copernicus International). ISSN 1335-8871.

Citácie:

1. [1.2] *GROS D'AILLON, E. - AVENEL, M.-L. - FARCAGE, D. - VERGER, L. Development and characterization of a 3D GaAs X-ray detector for medical imaging. In NUCLEAR INSTRUMENTS AND METHODS IN PHYSICS RESEARCH, SECTION A: ACCELERATORS, SPECTROMETERS, DETECTORS AND ASSOCIATED EQUIPMENT. ISSN 0168-9002, 2013, vol. 727, p. 126-130., SCOPUS*

ADFB03 PUDIŠ, D. - ŠKRINIAROVÁ, J. - MARTINČEK, I. - KOVÁČ, Jaroslav - TARJÁNYI, N. - HAŠČÍK, Štefan. Periodic structures patterned on metal and III-V compound surfaces using two-beam interference method. In Journal of Electrical Engineering, 2009, vol. 60, p. 166-169. (2009 - INSPEC, SCOPUS). ISSN 1335-3632.

Citácie:

1. [1.1] *INDRISIUNAS, S. - VOISIAT, B. - GEDVILAS, M. - RACIUKAITIS, G. In JOURNAL OF MICROMECHANICS AND MICROENGINEERING. SEP 2013, vol. 23, no. 9., WOS*

AEC Vedecké práce v zahraničných recenzovaných vedeckých zborníkoch (aj konferenčných), monografiách

AEC01 BOHÁČEK, Pavol - HURAN, Jozef - KOBZEV, A.P. - BALALYKIN, N.I. - PETZOLD, J. PECVD silicon carbon nitrid thin films: properties. In ASDAM 2008 : conference proceedings. Editors Štefan Haščík, Jozef Osvald. - Piscataway, NJ : Institute of Electrical

and Electronics Engineers, 2008, p. 291-294. ISBN 978-1-4244-2325-5.

Citácie:

1. [1.1] *LIU, X.F. - ZHANG, L.T. - LIU, Y.S. - YE, F. - YIN, X.W. In CERAMICS INTERNATIONAL. MAY 2013, vol. 39, no. 4, p. 3971-3977., WOS*

AEC02

ELIÁŠ, Peter - GREGUŠOVÁ, Dagmar - ŠTRICHOVANEC, Pavol - KOSTIČ, Ivan - NOVÁK, Jozef. Deposition of AZ5214-E layers on non-planar substrates with a “draping” technique. In ASDAM 2006 : proceedings of the 6th International Conference on Advanced Semiconductor Devices and Microsystems. - Piscataway : IEEE, 2006, p. 97-100. ISBN 1-4244-0396-0.

Citácie:

1. [1.1] *ANDOK, R. - BENCUROVA, A. - HRKUT, P. - KONECNIKOVA, A. - MATAY, L. - NEMEC, P. - SKRINIAROVA, J. THE AZ 5214E RESIST IN EBDW LITHOGRAPHY AND ITS USE AS A RIE ETCH-MASK IN ETCHING THIN AG LAYERS IN N-2 PLASMA. In JOURNAL OF ELECTRICAL ENGINEERING-ELEKTROTECHNICKY CASOPIS. NOV-DEC 2013, vol. 64, no. 6, p. 371-375., WOS*

AEC03

KORDOŠ, Peter - ALAM, A. - BETKO, Július - CHOW, P.P. - HEUKEN, M. - JAVORKA, P. - KOCAN, M. - MARSO, M. - MORVIC, Marian - HOVE, J. M. van. Material and device issues of GaN-based HEMTs. In EDMO 2000 : 8th IEEE International Symposium on High Performance Electron Devices for Microwave and Optoelectronic Applications. - New York : IEEE PRESS, 2000, p. 61-66. ISBN 0-7803-6550-X.

Citácie:

1. [1.1] *YIGLETU, F.M. - KHANDELWAL, S. - FJELDLY, T.A. - INIGUEZ, B. In IEEE TRANSACTIONS ON ELECTRON DEVICES. NOV 2013, vol. 60, no. 11, p. 3746-3752., WOS*

AEC04

KVITKOVIČ, Jozef - POLÁK, Milan. Cryogenic microsize Hall sensors. In Applied Superconductivity : EUCAS 93. 1.Vol. Editor H.C. Freyhardt. - Oberursel : DGM, 1993, p. 1629.

Citácie:

1. [1.1] *SOLOVYOV, M. - PARDO, E. - SOUC, J. - GOMORY, F. - SKARBA, M. - KONOPKA, P. - PEKARCIKOVA, M. - JANOVEC, J. In SUPERCONDUCTOR SCIENCE & TECHNOLOGY. NOV 2013, vol. 26, no. 11., WOS*

AEC05

OSVALD, Jozef. Simulation of influence of AlGaIn/GaN heterojunction parameters on its capacitance curves. In ASDAM 2008 : conference proceedings. Editors Štefan Haščík, Jozef Osvald. - Piscataway, NJ : Institute of Electrical and Electronics Engineers, 2008, p. 319-322. ISBN 978-1-4244-2325-5.

Citácie:

1. [1.1] *PARDESHI, H. - RAJ, G. - PATI, S. - MOHANKUMAR, N. - SARKAR, C.K. In SUPERLATTICES AND MICROSTRUCTURES. AUG 2013, vol. 60, p. 47-59., WOS*

AEC06

OSVALD, Jozef. Influence of interface states on C-V characteristics of AlGaIn/GaN heterostructures. In ASDAM 2010 : proceedings of the 8th International Conference on Advanced Semiconductor Devices and Microsystems. Eds. J. Breza, D. Donoval and E. Vavrinský. - Piscataway : IEEE, 2010, p. 167-170. ISBN 978-1-4244-8572-7.

Citácie:

1. [1.1] *KUMAR, M. - SHEU, G. - TSAI, J.R. - YANG, S.M. - GUO, Y.F. In CHINA SEMICONDUCTOR TECHNOLOGY INTERNATIONAL CONFERENCE 2012 (CSTIC 2012). 2012, vol. 44, no. 1, p. 1285-1289., WOS*

AEC07

ĎAPAJNA, Milan - GREGUŠOVÁ, Dagmar - ČIČO, Karol - FEDOR, Ján - CARLIN, J.-F. - GRANDJEAN, N. - KILLAT, N. - KUBALL, M. - KUZMÍK, Ján. Early stage degradation of InAlIn/GaN HEMTs during electrical stress. In ASDAM 2012 : conference proceedings. Eds. Š. Haščík, J. Osvald. - Piscataway : IEEE, 2012, p. 7-10. ISBN 978-1-4673-1195-3.

Citácie:

1. [1.1] *ROSSETTO, I. - RAMPAZZO, F. - SILVESTRI, R. - ZANANDREA, A. - DUA, C. - DELAGE, S. - OUALLI, M. - MENEGHINI, M. - ZANONI, E. - MENEGHESSO, G. In MICROELECTRONICS RELIABILITY. SEP-NOV 2013, vol. 53, no. 9-11, SI, p. 1476-1480., WOS*

AEC08

VALIK, L. - ĎAPAJNA, Milan - GUCMANN, Filip - FEDOR, Ján - ŠIFFALOVIČ, Peter - FRÖHLICH, Karol. Distribution of fixed charge in MOS structures with ALD grown Al₂O₃

studied by capacitance measurements. In ASDAM 2012 : conference proceedings. Eds. Š. Haščík, J. Oswald. - Piscataway : IEEE, 2012, p. 227-230. ISBN 978-1-4673-1195-3.

Citácie:

1. [1.1] FREEDSMAN, J.J. - KUBO, T. - EGAWA, T. In *IEEE TRANSACTIONS ON ELECTRON DEVICES*. OCT 2013, vol. 60, no. 10, SI, p. 3079-3083., WOS

AFG Abstrakty príspevkov zo zahraničných konferencií

AFG01 JURKOVIC, Michal - GREGUŠOVÁ, Dagmar - HAŠČÍK, Štefan - BLAHO, Michal - ČIČO, Karol - PALANKOVSKI, V. - CARLIN, J.-F. - GRANDJEAN, N. - KUZMÍK, Ján. Polarization engineered normally-off GaN/InAlN/AlN/GaN HEMT. In International Workshop on Nitride Semiconductors. - Sapporo, 2012.

Citácie:

1. [1.1] MIZUTANI, T. - YAMADA, H. - KISHIMOTO, S. - NAKAMURA, F. In *JOURNAL OF APPLIED PHYSICS*. JAN 21 2013, vol. 113, no. 3., WOS

Príloha D

Údaje o pedagogickej činnosti organizácie

Semestrálne prednášky:

doc. RNDr. Edmund Dobročka, CSc.

Názov semestr. predmetu: Moderné metódy diagnostiky materiálov

Počet hodín za semester: 24

Názov katedry a vysokej školy: Fakulta elektrotechniky a informatiky STU, ÚJFI

doc. Ing. Fedor Gömöry, DrSc.

Názov semestr. predmetu: Elektrina a magnetizmus

Počet hodín za semester: 26

Názov katedry a vysokej školy: Materiálovotechnologická fakulta STU v Trnave, Ústav materiálov

doc. Ing. Fedor Gömöry, DrSc.

Názov semestr. predmetu: Progresívne materiály a technológie

Počet hodín za semester: 14

Názov katedry a vysokej školy: Materiálovotechnologická fakulta STU v Trnave, Ústav materiálov

doc. RNDr. Martin Moško, DrSc.

Názov semestr. predmetu: Elektróny v neusporiadaných a mezoskopických systémoch

Počet hodín za semester: 48

Názov katedry a vysokej školy: Fakulta matematiky, fyziky a informatiky UK, Katedra fyziky

doc. RNDr. Martin Moško, DrSc.

Názov semestr. predmetu: Termodynamika materiálov a štatistická fyzika

Počet hodín za semester: 60

Názov katedry a vysokej školy: Fakulta elektrotechniky a informatiky STU, ÚJFI

doc. RNDr. Martin Moško, DrSc.

Názov semestr. predmetu: Úvod do mezoskopickej fyziky

Počet hodín za semester: 26

Názov katedry a vysokej školy: Fakulta matematiky, fyziky a informatiky UK, Katedra fyziky

Semestrálne cvičenia:

doc. RNDr. Edmund Dobročka, CSc.

Názov semestr. predmetu: Moderné metódy diagnostiky materiálov

Počet hodín za semester: 24

Názov katedry a vysokej školy: Fakulta elektrotechniky a informatiky STU, ÚJFI

Individuálne prednášky:

doc. RNDr. Martin Moško, DrSc.

Názov semestr. predmetu: Jednoelektrónové tunelovanie a Coulombovská blokáda

Počet hodín za semester: 4

Názov katedry a vysokej školy: Fakulta elektrotechniky a informatiky STU, ÚJFI

RNDr. Vladimír Štrbík, CSc.

Názov semestr. predmetu: Supravodivosť a fyzika nízkych teplôt

Počet hodín za semester: 4

Názov katedry a vysokej školy: Fakulta elektrotechniky a informatiky STU, ÚJFI

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					Karol Fröhlich	3
					Fedor Gömöry	2
					Pavol Kováč	3
					Peter Lobotka	2
					Peter Lobotka	2
					Peter Lobotka	2
					Peter Lobotka	2
Bulharsko	Vladimír Štrbík	7				
Česko	František Dubecký	6			Ján Kuzmík	1
	Gabriel Vanko	5			Peter Lobotka	1
	Gabriel Vanko	5			Ján Šoltýs	1
	Bohumír Zaťko	5			Ivo Vávra	4
					Ivo Vávra	2
					Ivo Vávra	4
					Ivo Vávra	1
					Ivo Vávra	5
					Ivo Vávra	4
					Ivo Vávra	1
					Ivo Vávra	1
					Ivo Vávra	2
					Ivo Vávra	2
					Bohumír Zaťko	3
Čína					Štefan Chromik	11
					Michaela Sojková	11
					Marianna Španková	11
Dánsko					Fedor Gömöry	2
Estónsko					Peter Lobotka	4
Francúzsko					Fedor Gömöry	3

				Enric Pardo	3
				Michal Vojenčiak	3
Grécko				Karol Čičo	8
				Ján Kuzmík	13
Izrael	Štefan Chromik	10		Pavol Boháček	7
				Jozef Huran	7
Maďarsko				Peter Lobotka	5
				Peter Lobotka	4
				Peter Lobotka	2
Nemecko				Karol Fröhlich	3
				Peter Jančovič	10
				Pavol Kováč	3
				Miloslav Kulich	5
				Peter Lobotka	2
				Michal Vojenčiak	2
				Michal Vojenčiak	6
				Zdenko Zápražný	7
Poľsko	Štefan Chromik	4			
Rakúsko				Boris Brunner	1
				Fedor Gömöry	1
				Pavol Kováč	1
				Michaela Rifliková	1
				Simona Zajkoska	2
				Simona Zajkoska	4
Rusko				Jozef Huran	49
				Daniel Machajdík	84
Srbsko				Pavol Kunzo	3
				Peter Lobotka	3
Španielsko				Fedor Gömöry	3
				Fedor Gömöry	2
				Enric Pardo	7
				Michal Vojenčiak	3
Švajčiarsko				Fedor Gömöry	5

					Fedor Gömöry	4
					Fedor Gömöry	6
					Mykola Soloviov	4
					Ján Šouc	4
					Michal Vojenčiak	4
Taliansko	František Dubecký	10			Ján Kuzmík	2
	Dušan Korytár	7			Peter Lobotka	4
	Zdenko Zápražný	5			Jozef Pitel	2
					Zdenko Zápražný	4
USA					Ján Fedor	30
					Ján Fedor	24
					Fedor Gömöry	4
Počet vyslaní spolu	10	64			72	443

(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
Bulharsko	Blagoev B.	7			Blagoev B.	24
Grécko					Bairamis A.	8
					Zervos C.	8
Nemecko					Calka P.	7
					Kario A.	21
					Klink A.	21
					Scheiter J.	5
Poľsko					Aboleshev	7
					Gierlowski P.	7
Portugalsko					Da Costa S.	3
Španielsko					Miranda E.	30
					Pique A.	27
Taliansko	Bonnini E.	7				
	Gombia E.	7				
USA					Nagasaki Y.	60
Počet prijatí spolu	3	21			13	228

(C) Účasť pracovníkov pracoviska na konferenciách v zahraničí (nezahrnutých v "A"):

Krajina	Názov konferencie	Meno pracovníka	Počet dní
Česko	IIR	Lubomír Frolek	5
	PSMT	Ivan Rýger	2

	SMK	Ivo Vávra	6
	SPPT	Jozef Huran	4
	US	Ján Šoltýs	1
Fínsko	into2014	Zdenko Zápražný	4
Francúzsko	MRS	Karol Fröhlich	4
	Msnows 2014	Vladimír Cambel	4
	XTOP	Dušan Korytár	6
Grécko	WOCSDICE	Ján Kuzmík	5
		Jozef Osvald	5
Holandsko	ICEC	Pavol Kováč	5
Chorvátsko	ICTF	Agáta Laurenčíková	6
		Jozef Novák	6
		Michaela Sojková	6
		Marianna Španková	6
		Vladimír Štrbík	6
Írsko	WODIM	Karol Čičo	3
		Karol Fröhlich	3
		Filip Gucmann	3
		Peter Jančovič	3
Kórejská republika	CCA	Michal Vojenčiak	10
Poľsko	IWNS	Michal Blaho	6
		Ján Kuzmík	6
		Jozef Osvald	6
		Roman Stoklas	6
		Milan Ťapajna	6
	JST	Karol Fröhlich	2
	WQAC	Dušan Korytár	5
Rakúsko	AWW	Ján Fedor	4
		Simona Zajkoska	4
	EPD 2014	Pavol Kunzo	6
	IWEPNM	Martin Hulman	8
	JVC	Martin Hulman	6
		Jozef Novák	6
	SAW	Ivan Rýger	2
		Gabriel Vanko	2
Švajčiarsko	iCMOVPE	Stanislav Hasenöhrl	6
		Jozef Novák	6
	MNE 2014	Jaroslav Dzuba	5
		Gabriel Vanko	5
Taliansko	CIMTEC 2014	Fedor Gömöry	6
		Pavol Kováč	6
		Enric Pardo	6
	EASAW	Ján Kuzmík	5
	EUROSENSORS 2014	Ivan Rýger	4
	ICSE	Fedor Gömöry	5
		Pavol Kováč	5
	iWORID	Bohumír Zaťko	5
Turecko	ICSM 2014	Boris Brunner	6
		Fedor Gömöry	6
USA	ASC 2014	Fedor Gömöry	9

		Mykola Soloviov	9
	AXOC	Zdenko Zápražný	8
	EMA	Enric Pardo	8
	MRS	Fedor Gömöry	6
	NSS	Bohumír Zaťko	9
	PVSC	Jozef Huran	10
Spolu	36	58	313

Vysvetlivky: MAD - medziakademické dohody, KD - kultúrne dohody, VTS - vedecko-technická spolupráca v rámci vládnych dohôd

Skratky použité v tabuľke C:

ASC 2014 - Applied Superconductivity Conference
 AWW - XVI. Annual Winter Workshop
 AXOC - Advances in X-Ray/EUV Optics and Components IX
 CCA - International Workshop on Coated Conductors for Applications 2014
 CIMTEC 2014 - 6th Forum on New Materials
 EASAW - European Space Agency Workshop 2014
 EMA - Electronic Materials and Applications 2014
 EPD 2014 - 5th International Conference on Electrophoretic Deposition V
 EUROSENSORS 2014 - 28th European Conference on Solid-State Transducers
 ICEC - 25th International Cryogenics Engineering Conference
 iCMOPE - 17th International Conference on Metalorganic Vapor Phase Epitaxy
 ICSE - International Conference Superconductivity for Energy 2014
 ICSM 2014 - 4th International Conference on Superconductivity and Magnetism
 ICTF - 16th International Conference on Thin Films
 IIR - 13th CRYOGENICS 2014 IIR International Conference
 into2014 - Industrial Tomography Workshop
 IWEPNM - 28th International Winterschool on Electronic Properties of Novel Materials
 IWNS - International Workshop on Nitrides Semiconductors 2014
 iWORID - 16th International Workshops on Radiation Imaging Detectors
 JST - 2nd V4-JST Workshop on Advanced Materials
 JVC - 15th Joint Vacuum Conference
 MNE 2014 - 40th International Conference on Micro and Nano Engineering
 MRS - 2014 MRS Spring Meeting & Exhibit
 MRS - E-MRS 2014 Spring Meeting
 Msnows 2014 - Msnows 2014
 NSS - 21th Symposium on Room-Temperature Semiconductor X-ray and Gamma-ray Detectors
 PSMT - 40. seminář Pravidelné setkání zájemců o mikrovlnnou techniku
 PVSC - 40th IEEE Photovoltaic Specialists Conference
 SAW - SAW Sensor Symposium 2014
 SMK - 18. světový mikroskopický kongres
 SPPT - 26th Symposium on Plasma Physics and Technology
 US - UnivSEM Workshop
 WOCSDICE - 38th European Workshop on Compound Semiconductor Devices and Integrated Circuits and 12th Expert Evaluation & Control of Compound Semiconductor Materials and Technology
 WODIM - 18th Workshop on Dielectrics in Microelectronics
 WQAC - 19th Polish-Slovak-Czech Optical Conference on Wave and Quantum Aspects of Contemporary Optics
 XTOP - 12th Biennial Conference on High-Resolution X-Ray Diffraction and Imaging