

Afisarea articolelor 21-40(131) pentru cuvântul-cheie "thin films"

Processes controlling the rate of in2O3 thin film gas sensor's response

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Proceedings of the International Semiconductor Conference

Vol. 1, Ediția 28. 2005. New Jersey. [ISBN 0780392140, 978-078039214-4](#).

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Microtechnology with silar and RPP for semiconductor oxide gas sensors

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Chemical bath deposition of SnO 2 and Cd 2 SnO 4 thin films

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Applied Surface Science

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Investigation of chemical bath deposition of CdO thin films using three different complexing

Khallaf Hani¹, Chen Chia-Ta²³, Chang Liann-Be²³, Lupan Oleg¹⁴, Dutta Aniruddha⁵, Heinrich Helge H.⁵, Shenouda Atef Yousef⁶, Chow Lee⁵

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Applied Surface Science

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Effects of annealing on properties of ZnO thin films prepared by electrochemical deposition in chloride medium

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Applied Surface Science

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Characterization of gallium-doped CdS thin films grown by chemical bath deposition

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Structural characterization and optical properties of ZnSe thin films

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Applied Surface Science

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Acceptor-like behavior of reducing gases on the surface of n-type In 2 O 3

Korotcenkov Ghenadie¹, Brînzari Vladimir¹, Golovanov Vyacheslav², Cerneavschii Anton¹, Matolin Vladimir³, Tadd Andrew R.⁴

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Applied Surface Science

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Structural effects in electrical conductivity of SnO2 thin films

Ivashchenko Anatolii, Cherner Iacov

Academy of Sciences of Moldova

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Band tail state related photoluminescence and photoresponse of ZnMgO solid solution nanostructured films

Morari Vadim¹, Pantazi Aida Ghiulnare², Curmei Nicolai³, Postolache Vitalie⁴, Rusu Emil¹, Enăchescu Marius², Tighineanu Ion⁴, Ursachi Veaceslav⁴

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Thickness dependence of the triplet spin-valve effect in superconductor-ferromagnet-ferromagnet heterostructures

Lenk Daniel¹, Zdravkov Vladimir¹², Kehrle Jan Michael¹, Obermeier Guenter¹, Ullrich Aladin¹, Morari Roman¹²³, Krug Von Nidda Hans Albrecht¹, Muller Claus¹, Kupriyanov Mihail³⁴, Sidorenko Anatolie², Hörn Siegfried¹, Deminov Rafael³, Tagirov Lenar¹³, Tidecks Reinhard¹

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Magnetite thin films grown by pulsed electron deposition for spintronic applications

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Telecommunications, Electronics and Informatics

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Hot wall beam epitaxial growth of PbTe layers on BaF2/CaF2/Si(111) substrates

Belenciuc Alexandr

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The role of grain size in response of SnO₂- and In₂O₃-based conductometric gas sensors

Korotcenkov Ghenadie¹, Cho Beongki¹, Brînzari Vladimir²

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Advanced Materials Research

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Morphological, structural, compositional and raman characterization of ZnS_xSe_{1-x} thin films deposited by quasi-closed volume technique

Popa Mihail

"Alec Russo" State University of Balti

Chalcogenide Letters

9(15) / 2018 / ISSN 1584-8663

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The performance of thin film solar cells employing photovoltaic ZnSe/CdTe, CdS/CdTe and ZnTe/CdTe heterojunctions

Potlog Tamara¹, Spalatu Nicolae¹, Fedorov Vladimir¹, Matciuc Natalia¹, Antonciuc Constantin¹, Botnariuc Vasile¹, Hiie Jaan², Raadik Taavi², Valdna Vello²

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Research of relaxation curves of photoconductivity of ZnS_{0.5}Se_{0.5} thin films

Popa Mihail

"Alec Russo" State University of Balti

Fizică și tehnică: procese, modele, experimente

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Magnetic-field-induced terahertz photogeneration in PbTe(Ga)

Galeeva Aleksandra¹, Egorova Svetlana¹, Chernichkin Vladimir¹, Reabova Ludmila¹, Danilov Sergey², Nicorici Andrei³, Hohlov Dumitru¹⁴

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JETP Letters

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Disponibil online 14 August, 2022. Descarcări-0. Vizualizări-161

Characterization of polarization holographic gratings obtained on azopolymer thin films by digital holographic microscopy

Cazac Veronica¹², Loșmanshii Constantin¹, Achimova Elena¹, Meșalchin Alexei¹, Abașkin Vladimir¹, Podlipnov Vladimir³

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Journal of Biomedical Photonics and Engineering

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Goglidze Tatiana, Dementiev Igor, Coval Andrei, Goncarencu Evghenii, Nedeoglo Natalia, Nedeoglo Dumitru

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Disponibil online 26 February, 2018. Descarcări-1. Vizualizări-919

Characterization of Cu₂SnS₃ polymorphism and its impact on optoelectronic properties

Oliva Florian¹, Arques Laia¹, Acebo Laura¹, Guc Maxim², Sanchez Yudania¹, Alcobe Xavier³, Perez-Rodriguez Alejandro¹³, Saucedo Edgardo M.¹, Izquierdo-Roca Victor¹

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Effect of deposition temperature on structural, morphological and optical properties of ZnTe thin films

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Disponibil online 7 April, 2023. Descarcări-0. Vizualizări-251

Technology of fabrication of chalcogenide glassy semiconducting films

Prilepov Vladimir¹, Popescu Mihai A.², Chirița Arcadii¹, Corșac Oleg¹, Chetruș Petru¹, Nasedchina Nadejda¹

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Journal of Optoelectronics and Advanced Materials

/ 2013 / ISSN 1454-4164

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Electronic transport and photoconductivity of polycrystalline CdSe thin films

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Journal of Optoelectronics and Advanced Materials

/ 2006 / ISSN 1454-4164

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Absorption spectra and extrinsic photoconductivity of Cu and Cd doped GaSe single - Crystal films

Vatavu-Cuculescu Elmira¹, Evtodiev Igor¹, Caraman Mihail¹, Rusu George G.²

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Disponibil online 23 February, 2024. Descarcări-0. Vizualizări-69

Study of generation-recombination processes of non-equilibrium charge carriers in single crystalline thin GaSe(Cu) films

Vatavu-Cuculescu Elmira¹, Evtodiev Igor¹, Caraman Mihail², Leontie Liviu³

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On the photomagnetic effect in CdTe thin films evaporated onto unheated substrates

Rusu George G.¹, Rusu Mihaela¹, Caraman Mihail²

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Photoconductivity relaxation in As₂Se₃:Sn and AsSe:Sn amorphous thin films

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Orientation-Dependent Oxygen Evolution Activity of Epitaxial Ruddlesden-Popper Pr_{0.5}Ca_{1.5}MnO₄ Thin Films

Ebrahimi Fatemeh¹, Ottinger Natalie Jacqueline¹, Belenciuc Alexandr², Șapoval Oleg², Hausmann Christopher¹, Ma Qian¹, Moșneaga Vasile³, Jooss Ch H.¹

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Two-layer structure for high spatial frequency optical data recording based on multinary chalcogenide semiconductors

Rotaru Vasile¹, Robu Ștefan¹, Ciapurin Igor¹, Dragalina Galina¹, Corșac Oleg¹, Aboudih I.², Lafond Christophe², Lessard Roger A.²

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Investigation of chemical bath deposition of ZnO thin films using six different complexing agents

Khallaf Hani¹, Chai Guangyu¹, Lupan Oleg¹², Heinrich Helge H.¹, Park Sang Hoon¹, Schulte Alfons¹, Chow Lee¹

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Journal of Physics D: Applied Physics

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In₂O₃- and SnO₂-Based Thin Film Ozone Sensors: Fundamentals

Korotcenkov Ghenadie¹, Brînzari Vladimir², Cho Beong¹

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Journal of Sensors

2016 / 2016 / ISSN 1687-725X /ISSNe 1687-7268

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Low-temperature sintering of highly conductive ZnO:Ga:Cl ceramics by means of chemical vapor transport

Colibaba Gleb¹, Rusnac Dumitru¹, Fedorov Vladimir², Petrenko Piotr³, Monaico Eduard⁴

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Effect of substrate origin and annealing conditions on stability of electrical conductivity of SnO₂ thin polycrystalline films

Ivashchenko Anatolii, Cherner Iacov, Maronchuk Irina

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Sensing properties of tellurium based films to propylamine

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Polysilicon thin layers for photovoltaic applications

Budianu Elena¹, Purica Munizer¹, Rusu Emil², Manea Elena¹, Gavrilă Raluca¹

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Preparation of CIGS solar cell components by improved e-beam ablation technology and control of their final parameters

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Achimova Elena¹, Abaşkin Vladimir¹, Meşalchin Alexei¹, Loşmanschii Constantin¹, Botnari Vladislav¹, Giancarlo Pedrini²

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Physical properties of (As₂Se₃)_{1-x}: Sn_x and (As₄S₃Se₃)_{1-x}: Sn_x glasses

Iaseniuc Oxana, Harea Diana, Harea Evghenii, Volodina Galina, Iovu Mihail

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Analytical test of the film/substrate boundary perfection in SnO₂ thin films

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Preparation of CuInSe₂ by e-beam ablation technology and properties of thin films - Solar cell components

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Chalcogenide semiconductor based sensor for fast NO₂ detection

Țiuleanu Dumitru, Marian Svetlana, Miron Valeriu, Potje-Kamloth Karin, Liess Hans Dieter

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Bilayer thin films that combine luminescent and spin crossover properties for an efficient and reversible fluorescence switching

Bas Alin-Ciprian¹, Thompson Xavier¹, Salmon Lionel¹, Thibault Christophe¹, Molnar Gabor¹, Palamarcu Oleg²³, Routaboul Lucie¹, Bousseksou Azzedine¹

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Sprincean Veaceslav¹, Leontie Liviu², Caraman Iuliana³, Untila Dumitru¹, Mihaela Girtan⁴, Gurlui Silviu², Petru Lisnic², Doroftei Corneliu², Cârlescu Aurelian², Iacomi Felicia², Caraman Mihail¹

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Structural characterization of SnO₂ gas sensing films deposited by spray pyrolysis

Korotcenkov Ghenadie¹, DiBattista Michael¹, Schwank Johannes W.¹, Brînzari Vladimir²

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SnO₂ films for thin film gas sensor design

Korotcenkov Ghenadie, Brînzari Vladimir, Dmitriev Serghei

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A study of wide band Zn_{1-x}Mg_xO and (Ga_xIn_{1-x})₂O₃ thin films prepared by the spin coating method

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Electrophysical properties of ITO:Ga₂O₃ films grown by rf magnetron sputtering

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Injection photodiodes based on metal oxide semiconductors

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Low temperature study of the uv emission in sol-gel dip-coated silver-doped zinc oxide thin films

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Disponibil online 4 December, 2016. Descarcări-10. Vizualizări-1067

Electro- and photostimulated chemical processes in aluminium-chalcogenide glass semiconductor thin layer structures

Bivol Valeriu, Triduh Ghennadi, Achimova Elena, Țiuleanu Dumitru

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ZnO/CdS/CuGaSe₂ single crystal solar cells

Naterprov A., Rădăuțanu Sergiu, Schon Jan Hendrik, Kloc K., Riazi-Nejad H., Bucher Ernst

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Nonlinear interaction between ultrashort laser pulses and a thin semiconductor film due to two-photon excitation of biexcitons

Hadji Piotr, Gaivan Serghei

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Cyclic nanoindentation for examination of the piezoresistivity and the strain-sensor behavior of indium-tin-oxide thin films

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Preparation, Chemical Composition, and Optical Properties of (β -Ga₂O₃ Composite Thin Films)/(GaS_xSe_{1-x} Lamellar Solid Solutions) Nanostructures

Sprincean Veaceslav¹, Leontie Liviu², Caraman Iuliana¹, Lupan Oleg^{3,4}, Adelung Rainer⁴, Gurlui Silviu², Cârlescu Aurelian², Doroftei Corneliu², Caraman Mihail¹

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Magneto-ionic control of magnetism in two-oxide nanocomposite thin films comprising mesoporous cobalt ferrite conformally nanocoated with HfO₂

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Ultrathin tin sulfide field-effect transistors with subthreshold slope below 60 mV/decade

Dragoman Mircea L.¹, Dinescu Adrian¹, Avram Andrei¹, Dragoman Daniela²³, Vulpe Silviu¹, Aldrigo Martino¹, Braniște Fiodor⁴, Suman Victor⁵, Rusu Emil⁵, Tighineanu Ion⁶⁷

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The microwave properties of tin sulfide thin films prepared by RF magnetron sputtering techniques

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Preparation and optical characterization of Cu₂ZnGeSe₄ thin films

Levcenco Sergiu¹, Caballero Raquel², Dermenji Lazari³, Telesh Eugene⁴, Victorov Ivan⁴, Merino Jose Manuel², Aruşanov Ernest³, Leon Maximo², Bodnar Ivan⁴

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Disponibil online 31 August, 2023. Descarcări-0. Vizualizări-125

Highly luminescent columnar ZnO films grown directly on n-Si and p-Si substrates by low-temperature electrochemical deposition

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Nonlinearity and photostructural changes in glassy As₂S₃ thin films

Michelotti Francesco¹, Fazio Eugenio S.¹, Senesi Folco¹, Bertolotti Mario¹, Ciumaş Valentin², Andrieş Andrei²

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Cazac Veronica¹², Achimova Elena¹, Abaşkin Vladimir¹, Prisacar Alexandr¹, Loşmanshii Constantin¹, Meşalchin Alexei¹, Egiazarian Karen O.²

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Effect of Corona Discharge on the Optical Properties of Thin-Film Cu-As₂Se₃ Structures

Nastas Andrian¹, Iovu Mihail¹, Tolstik Alexei²

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Highly Conductive ZnO Thin Films Deposited Using CVT Ceramics as Magnetron Targets

Colibaba Gleb¹², Rusnac Dumitru¹², Fedorov Vladimir³, Costriucova Natalia², Monaico Eduard⁴, Potlog Tamara¹

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Aerosol Spray Deposited Wurtzite ZnMgO Alloy Films with MgO Nanocrystalline Inclusions

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Silicon carbide nanolayers as a solar cell constituent

Zakhvalinskii Vasilii¹, Piliuk E.¹, Goncharov I.¹, Simașchevici Alexei², Șerban Dormidont², Bruc Leonid², Curmei Nicolai², Rusu Marin²³

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Optical properties of bismuth oxide thin films prepared by reactive d.c. magnetron sputtering onto p-GaSe (Cu)

Leontie Liviu¹, Caraman Mihail², Evtodiev Igor³, Vatavu-Cuculescu Elmira³, Mija Ana³

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Institute of Applied Physics, Academy of Sciences of Moldova

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Peculiarities of thermopower in Bi microwires at low temperatures

Ghiță Dumitru¹, Huber Tito², Konopko Leonid¹, Nikolaeva Albina¹

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Iovu Mihail, Shutov Serghei, Rebeja S., Colomeico Eduard

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Oscillations of galvanomagnetic effects on bicrystal boundary of n-type Bi_{1-x}Sb_x (0.06 ≤ x ≤ 0.15) alloys

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Transient photocurrents under optical bias in time-of-flight experiment with amorphous films of As₂Se₃:Sn and As₂S₃:Sb₂S₃

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Cu₂ZnSnS₄ thin films grown by spray pyrolysis: Characterization by Raman spectroscopy and X-ray diffraction

Gurieva Galina¹, Guc Maxim², Bruk Leonid², Izquierdo-Roca Victor³, Perez-Rodriguez Alejandro³⁴, Schorr Susan¹⁵, Arușanov Ernest²

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Optical phonons in the wurtzstannite Cu₂ ZnGeS₄ semiconductor: Polarized Raman spectroscopy and first-principle calculations

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ESR of the quasi-two-dimensional antiferromagnet CuCrO₂ with a triangular lattice

Vasiliev A.¹, Prozorova Lyudmila¹, Svistov Leonid¹, Ţurcan Vladimir²³, Dziom Vlad E.⁴, Shuvaev Alexey M.⁴, Pimenov Anna⁴

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Free-to-bound recombination in near stoichiometric Cu₂ZnSnS₄ single crystals

Levenco Sergiu¹², Tezlevan Victor², Arușanov Ernest², Schorr Susan¹, Unold Thomas¹

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Surface state band mobility and thermopower in semiconducting bismuth nanowires

Huber Tito¹, Adeyeye A.¹, Nikolaeva Albina²³, Konopko Leonid²³, Johnson R. C.⁴, Graf Michael J.⁴

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Observation of three-dimensional behavior in surface states of bismuth nanowires and the evidence for bulk-Bi surface quasiparticles

Huber Tito¹, Nikolaeva Albina²³, Konopko Leonid²³, Graf Michael J.⁴

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Quantum interference of surface states in bismuth nanowires probed by the Aharonov-Bohm oscillatory behavior of the magnetoresistance

Nikolaeva Albina¹², Ghițu Dumitru¹, Konopko Leonid¹², Graf Michael J.³, Huber Tito⁴

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Diameter-dependent thermopower of bismuth nanowires

Nikolaeva Albina¹², Huber Tito³, Ghițu Dumitru¹, Konopko Leonid¹

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Fermi-surface rearrangement in Bi bicrystals with twisting superconducting crystallite interfaces

Muntean Fiodor¹², Gilewski Andrzej², Nenkov Konstantin A.²³, Zaleski Andrzej Janusz⁴, Chistol Vitalie⁵

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Experimental magnetization evidence for two superconducting phases in Bi bicrystals with large crystallite disorientation angles

Muntean Fiodor¹², Gilewski Andrzej²³, Nenkov Konstantin A.²⁴, Warchulska Jolanta K.², Zaleski Andrzej Janusz⁵

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Rossinyol Emma¹, Arbiol Jordi¹, Peiro Francesca¹, Cornet Albert¹, Morante J. R.¹, Brînzari Vladimir², Korotcenkov Ghenadie², Golovanov Vyacheslav³

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Study of (Ga_xIn_{1-x})₂O₃ thin films produced by aerosol deposition method

Morari Vadim¹, Zalamai Victor², Rusu Emil¹, Ursachi Veaceslav², Colpo Pascal³, Tighineanu Ion²

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In₂O₃-based thin films deposited by spray pyrolysis as promising thermoelectric material

Korotcenkov Ghenadie¹, Brînzari Vladimir², Trakhtenberg Leonid³, Cho Beongki¹

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Study of temperature-based synthesis of pbte nanoparticles and their interaction with surfactant

Todosiciuc Alexandr¹, Nicorici Andrei¹, Guțul Tatiana¹, Gramm Fabian², Braginsky Leonid³, Shklover Valery³

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Mott type electrical conductivity in ZnSXSe1-x thin films

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The modelling of the chalcogenide glasses structures before and after laser illumination, based on mass spectroscopy data

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Polarized Raman scattering study of kesterite type $\text{Cu}_2\text{ZnSnS}_4$ single crystals

Guc Maxim¹², Levenco Sergiu³, Bodnar Ivan⁴, Izquierdo-Roca Victor², Fontane Xavier², Volkova Larisa⁴, Arușanov Ernest¹, Perez-Rodriguez Alejandro²⁵

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Nonlinear absorption of laser pulses in amorphous and crystalline As_2S_3 thin films

Ciumaș Valentin¹, Bostan Gheorghe¹, Cojocaru Ion¹, Mincu Niculae², Cerbari Pavel¹

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Variable-range hopping conduction and metal-insulator transition in amorphous RexSi1-x thin films

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Photoluminescence study of CdTe/CdS solar cells grown from a source with Cu residual impurity

Ghimpu Lidia¹, Ursachi Veaceslav², Potlog Tamara¹, Tighineanu Ion²

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On the peculiarities of galvanomagnetic effects in high magnetic fields in twisting bicrystals of the 3D topological insulator $\text{Bi}_{1-x}\text{Sb}_x$ ($0.07 \leq x \leq 0.2$)

Muntean Fiodor¹², Gheorghită Eugen³, Gilewski Andrzej², Chistol Vitalie⁴, Bejan Viorel³, Munteanu Vasile¹

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Size effect in galvanomagnetic phenomena in bismuth films doped with tellurium

Grabov Vladimir¹, Demidov E.¹, Komarov Vladimir¹, Matveev D.¹, Nikolaeva Albina², Markushevs D.¹, Konstantinov E.¹, Konstantinova E.¹

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Some aspects of selection of impurities improving photoelectric characteristics of chalcogenide vitreous semiconductors

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Specific features in the energy spectrum of the narrow-gap semiconductor bicrystals Bi 1 - X Sb x ($0.06 \leq x \leq 0.20$)

Georgitse A.¹, Ivanov-Omskii Vladimir², Muntean Fiodor¹, Caraman Maria¹, Postolachi Igor¹

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Photoconductivity of the Pb_{0.75}Sn_{0.25}Te:In alloy in an alternating electric field

Kojanov Alexander¹, Nicorici Andrei², Reabova Ludmila¹, Hohlov Dumitru¹, Dmitriev Alexey¹, Shklover Valery³

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Sineavschii Elerlanj, Hamidullin Rustam

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Influence of holmium impurities on photoelectric properties of As₂Se₃ and (As₂S₃)_{0.3}(As₂Se₃)_{0.7}

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Conductivity of $\text{Pb}_{1-x}\text{Sn}_x\text{Te:In}$ solid solutions in an ac electric field

Kojanov Alexander¹, Nicorici Andrei², Reabova Ludmila¹, Hohlov Dumitru¹

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Amorphous, glassy and porous semiconductors: Photocapacitance relaxation in amorphous As_2Se_3 films

Vasiliev Ion, Shutov Serghei

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Space group and phonon symmetry of $(\text{RE}_1\text{Ba}_2\text{Cu}_3\text{O}_7)_m(\text{RE}_2\text{Ba}_2\text{Cu}_3\text{O}_7)_n$ superlattices

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