

Afisarea articolelor 1-20(44) pentru cuvîntul-cheie "Energy gap"

Single CuO/Cu₂O/Cu Microwire Covered by a Nanowire Network as a Gas Sensor for the Detection of Battery Hazards

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Exciton-phonon spectra in CuIn/sub 1-x/Ga/sub x/S/sub 2/ crystals

Rădăuțanu Sergiu, Sîrbu Nicolae, Crețu Raisa, Tezlevan Victor

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Proceedings of the International Semiconductor Conference

Vol. 2. 1997. New Jersey. [DOI 10.1109/SMICND.1997](https://doi.org/10.1109/SMICND.1997).

Disponibil online 6 December, 2023. Descarcări-0. Vizualizări-114

Photoluminescence study of α -ZnAl₂S₄ single crystals

Ursachi Veaceslav, Boldurescu V., Burlacov Igor, Sîrbu Nicolae, Nyari Terezia

Institute of Applied Physics, Academy of Sciences of Moldova

Proceedings of the International Semiconductor Conference

Vol. 1. 2000. New Jersey. [DOI 10.1109/SMICND.2000](https://doi.org/10.1109/SMICND.2000).

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Spatial dispersion effects in the exciton-polariton reflectivity spectra of CuGaS₂ crystals

Sîrbu Nicolae, Ursachi Veaceslav, Nyari Terezia, Blaje M., Prunic P., Tezlevan Victor

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Vol. 1. 2000. New Jersey. [DOI 10.1109/SMICND.2000](https://doi.org/10.1109/SMICND.2000).

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Development of new techniques of CdS/CdTe solar cell enhancement

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Proceedings of the International Semiconductor Conference

Vol. 1, Ediția 29. 2006. New Jersey. [ISBN 1424401097, 978-142440109-3](https://doi.org/10.1109/SMICND.2006).

Disponibil online 22 November, 2023. Descarcări-0. Vizualizări-123

Electronic and vibrational reflectivity and absorption spectra in ZrS₂ crystals

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Japanese Journal of Applied Physics

/ 1996 / ISSN 0021-4922 /ISSNe 1347-4065

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Near band edge anisotropic optical transitions in wide band gap semiconductor Cu₂ZnSiS₄

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Journal of Applied Physics

/ 2010 / ISSN 0021-8979 /ISSNe 1089-7550

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High-pressure effects on the optical-absorption edge of Cd In 2S₄, MgIn₂S₄, and Mn In 2S₄ thiospinels

Ruiz-Fuertes Javier¹, Errandonea Daniel J.H.¹, Manjon Francisco Javier², Martinez-Garcia D¹, Segura Alfredo¹, Ursachi Veaceslav³, Tighineanu Ion³

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Journal of Applied Physics

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Disponibil online 10 April, 2018. Descarcări-0. Vizualizări-849

Optical properties of α -ZnAl₂S₄: Cr single crystals

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Journal of Applied Physics

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High aspect ratio ternary Zn_{1-x}Cd_xO nanowires by electrodeposition for light-emitting diode applications

Lupan Oleg¹², Pauporte Thierry¹, Le Bahers Tangui¹, Ciofini Ilaria¹, Viana Bruno³

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Journal of Physical Chemistry C

/ 2011 / ISSN 1932-7447 /ISSNe 1932-7455

Disponibil online 28 February, 2024. Descarcări-0. Vizualizări-79

Variable-range hopping conductivity and structure of density of localized states in LaMnO₃+ δ under pressure

Laiho Reino¹, Lisunov Constantin¹², Lahderanta Erkki³, Shubnikov M.¹⁴, Stepanov Iu¹⁴, Petrenko Piotr², Khokhulin A.⁵, Zakhvalinskii Vasilii¹⁵

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Journal of Physics Condensed Matter

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Asymmetry of a complex gap near the Fermi level, determined from measurements of the thermopower in La_{1-x}CaxMn_{1-y}FeyO₃

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Temperature dependence of the exciton gap in monocrystalline CuGaSe₂

Meeder Alexander¹, Jager-Waldau Arnulf², Tezlevan Victor³, Aruşanov Ernest³, Schedel-Niedrig Thomas¹, Lux-Steiner Martha Ch. H.¹

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Journal of Physics Condensed Matter

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Properties of nonadiabatic superconducting systems with paramagnetic impurity

Palistrant Maria, Kochorbe Fyodor

Institute of Applied Physics, Academy of Sciences of Moldova

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

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Journal of Physics D: Applied Physics

/ 2009 / ISSN 0022-3727 /ISSNe 1361-6463

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Exciton spectra and energy band structure of CuGaSe₂ single crystals

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Journal of Physics D: Applied Physics

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Dielectric functions and fundamental band gaps of Cu₂In₄Se₇, CuGa₃Se₅ and CuGa₅Se₈ crystals

Leon Maximo¹, Levcenco Sergiu², Nateprov Alexandr², Nicorici Andrei², Merino Jose Manuel¹, Serna Rosalia³, Aruşanov Ernest^{1,2}

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Journal of Physics D: Applied Physics

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Optical properties of CuGa₃Se₅ single crystals

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Optical study of monocrystalline CuIn₄Se₆

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Journal of Physics D: Applied Physics

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Disponibil online 14 September, 2023. Descarcări-0. Vizualizări-106

Photoconductive properties of HgGa₂S₄

Ricci P.C.¹, Anedda Alberto¹, Corpino Riccardo¹, Tighineanu Ion², Ursachi Veaceslav³

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Journal of Physics and Chemistry of Solids

/ 2003 / ISSN 0022-3697 /ISSNe 0022-3697

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Excitation and temperature tuned photoluminescence in HgGa₂S₄ single crystals

Ursachi Veaceslav¹, Ricci P.C.², Tighineanu Ion³, Anedda Alberto², Sîrbu Nicolae³, Tezlevan Victor³

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Journal of Physics and Chemistry of Solids

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Disponibil online 22 January, 2024. Descarcări-0. Vizualizări-59

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

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Disponibil online 29 November, 2023. Descarcări-0. Vizualizări-125

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

Andrieș Andrei, Verlan Victor

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Synthesis and properties of β -Ga₂O₃ nanowires and nanosheets on doped GaS:Mn substrates

Sprincean Veaceslav¹, Qiu Haoyi², Lupan Oleg^{2,3}, Tjardts Tim², Petersen Deik², Veziroglu Salih², Adelung Rainer², Caraman Mihail¹

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Materials Science in Semiconductor Processing

/ 2024 / ISSN 1369-8001 /ISSNe 1873-4081

Disponibil online 30 December, 2023. Descarcări-0. Vizualizări-151

Heterostructures on InP substrate for high-speed detection devices over a large spectral range (0.8-1.6 μ m)

Budianu Elena¹, Purica Munizer¹, Rusu Emil²

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Microelectronic Engineering

/ 2000 / ISSN - /ISSNe 0167-9317

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Energy band structure of CuInS₂ crystals

Sîrbu Nicolae, Tăzlăvan Victor, Crețu Raisa

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Fundamental absorption edge in CuIn 5Se 8 and CuGa 3Se 5 single crystals

Leon Maximo¹, Levcenco Sergiu², Sîrbu Nicolae³, Nateprov Alexandr², Tezlevan Victor², Merino Jose Manuel¹, Aruşanov Ernest²

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Physica Status Solidi (A) Applications and Materials Science

/ 2006 / ISSN 1862-6300

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A comparison of pores in silicon and pores in III-V compound materials

Christophersen Marc¹, Langa Sergiu¹², Carstensen Juergen¹, Tighineanu Ion², Foll Helmut¹

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Physica Status Solidi (A) Applied Research

/ 2003 / ISSN 0031-8965 /ISSNe 1521-396X

Disponibil online 20 November, 2023. Descarcări-0. Vizualizări-82

Spectroscopical study of amorphous AsSe:Sn films

Iovu Mihail¹, Sîrbu Nicolae¹, Shutov Serghei¹, Vasiliev Ion¹, Rebeja S.¹, Colomeico Eduard¹, Popescu Mihai A.², Sava Florinel²

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Disponibil online 22 November, 2023. Descarcări-0. Vizualizări-81

Structural and optical high-pressure study of spinel-type MnIn 2S4

Manjon Francisco Javier¹, Segura Alfredo², Amboage Monica³, Pellicer-Porres Julio², Sanchez-Royo Juan F.², Itie Jean Paul⁴, Flank Anne Marie⁴, Lagarde Pierre⁴, Polian Alain⁵, Ursachi Veaceslav⁶, Tighineanu Ion⁶

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Physica Status Solidi (B) Basic Research

/ 2007 / ISSN 0370-1972

Disponibil online 15 September, 2023. Descarcări-0. Vizualizări-99

Multiphonon emission process on DX-like centers in indium doped Pb 0.75Sn0.25Te

Romcevic Nebojsa Z.¹, Hohlov Dumitru², Stojanovic Dusanka¹, Romcevic Maja J.³, Nicorici Andrei⁴

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Lattice dynamics and electronic excitations in a large family of lacunar spinels with a breathing pyrochlore lattice structure

Reschke Stephan¹, Meggle F.¹, Mayr Franz¹, Țurcan Vladimir¹², Prodan Lilian¹², Nakamura Hiroyuki³, Deisenhofer Joachim¹, Kuntscher Christine A.¹, Kezsmarki Istvan¹

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Structural transition in the magnetoelectric ZnCr₂S₄ spinel under pressure

Efthimiopoulos Ilias¹, Liu Zhi T.Y.², Khare Sanjay V.², Sarin Pankaj³, Țurcan Vladimir⁴⁵, Loidl Alois⁴, Popov Dimitriy Yu.⁶, Wang Yuejian¹

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Excitons in atomically thin black phosphorus

Sorrente Alessandro¹, Mitioglu Anatolie¹²³, Galkowski Krzysztof¹, Tabis Wojciech¹⁴, Maude Duncan Kennedy¹, Plochocka Paulina¹

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Physical Review B

/ 2016 / ISSN 2469-9950 /ISSNe 2469-9969

Disponibil online 22 January, 2023. Descarcări-0. Vizualizări-248

Contactless electroreflectance and piezoreflectance study of GaAs/GaAsP multiple quantum well structures

Gorea Oleg, Korotcov Alexandru, Malikova Lyudmila, Pollak Fred Hugo

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Vol. 1. 1999. New Jersey. [DOI 10.1109/SMICND.1999](https://doi.org/10.1109/SMICND.1999).

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Exciton-phonon spectra of CuGa_{1-x}Se₂ crystals

Sîrbu Nicolae, Nyari Terezia, Bogdanash M., Tezlevan Victor

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Optical absorption and photoconductivity of ReS₂ crystals

Arușanov Ernest, Bucher Ernst, Kloc Christian L., Culicova Olga, Culiuc Leonid, Siminel Anatolii

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Optical reflectance studies of highly specular anisotropic nanoporous (111) InP membrane

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Semiconductor Science and Technology

/ 2015 / ISSN 0268-1242

Disponibil online 20 December, 2017. Descarcări-0. Vizualizări-824

Electron field emission from narrow band gap semiconductors (InAs)

Litovcenko Volodimir¹, Evtukh A. A.¹, Semenenko Mykola¹, Grygoriev Anton¹, Yilmazoglu Oktay², Hartnagel Hans Ludwig², Sîrbu Lilian³, Tighineanu Ion^{3,4}, Ursachi Veaceslav⁴

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Interband emission of cadmium thiogallate

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Semiconductors

/ 2000 / ISSN 1063-7826

Disponibil online 16 October, 2023. Descarcări-0. Vizualizări-122

Optical absorption of CdGa₂S₄

Aruşanov Ernest, Jitari Vasile, Knap Wojciech, Culicova Olga, Culiuc Leonid, Siminel Anatolii
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Observation of 0.4 eV electron trap in electron-irradiated InP:Fe single crystals

Tighineanu Ion, Pyshnaya N., Călin Mircea, Ursachi Veaceslav

Institute of Applied Physics, Academy of Sciences of Moldova

Conference Proceedings - International Conference on Indium Phosphide and Related Materials

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Effect of Sn dopant on the properties of ZnO nanorod arrays

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Temperature dependence of time-averaged hole drift mobility in As₂S₃ derived from PA measurements

Andrieş Andrei, Culeac Ion, Ewen Peter J.S., Owen Alan E.

Institute of Applied Physics, Academy of Sciences of Moldova

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