

Afisarea articolelor -19-0(17) pentru cuvântul-cheie "density functional theory"

Magnetic and vibrational properties of the covalent chain antiferromagnet RbFeS₂

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Comparison of Thermal Annealing versus Hydrothermal Treatment Effects on the Detection Performances of ZnO Nanowires

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

Lupan Oleg^{1,2,3}, Ababii Nicolai², Mishra Abhishek Kumar⁴, Gronenberg Ole⁵, Vahl Alexander¹, Schurmann Ulrich⁶, Duppel Viola⁷, Kruger Helge⁶, Chow Lee³, Kienle Lorenz⁶, Faupel Franz⁶, Adelung Rainer⁶, De Leeuw Nora H^{8,9}, Hansen Sandra⁶

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Bis[2-(hydroxyimino)cyclohexan-1-one oximato-κ² N,N']copper(II)

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Acta Crystallographica Section E: Structure Reports Online

/ 2013 / ISSN 1600-5368

Disponibil online 22 February, 2024. Descarcări-0. Vizualizări-81

Charge-Transport Properties of F6TNAP-Based Charge-Transfer Cocrystals

Dasari Raghunath Reddy¹, Wang Xu², Wiscons Ren A.³, Haneef Hamna F.⁴, Ashokan Ajith¹, Zhang Yadong¹, Fonari Marina^{5,6}, Barlow Stephen V.¹, Coropceanu Veaceslav¹, Timofeeva Tatiana⁵, Jurchescu Oana D.⁴, Bredas J.-L.¹, Matzger Adam Jay³, Marder Seth R.¹

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Advanced Functional Materials

/ 2019 / ISSN 1616-301X

Disponibil online 4 May, 2021. Descarcări-0. Vizualizări-422

Preparation of alginate-chitosan-cyclodextrin micro- and nanoparticles loaded with anti-tuberculosis compounds

Ivancic Albert¹, Macaev Fliur¹, Aksakal Fatma², Boldescu Veaceslav¹, Pogrebnoi Serghei¹, Duca Gheorghe¹

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Beilstein Journal of Nanotechnology

/ 2016 / ISSN 2190-4286

Disponibil online 15 September, 2022. Descarcări-1. Vizualizări-340

Synthesis, spectral and theoretical characterization of 5,6-dichloro/dimethyl-2-(2',3'/2',4'/2',5'/3',4'/3',5'-dimethoxyphenyl)-1h-benzimidazoles

Gurbuz Demet, Tavman Aydin, Cinarli Adem, Boz Ismail

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Chemistry Journal of Moldova

2(11) / 2016 / ISSN 1857-1727 /ISSNe 2345-1688

Disponibil online 26 December, 2016. Descarcări-6. Vizualizări-929

First-Principles Study of Thermoelectric Properties of Covalent Organic Frameworks

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Journal of Electronic Materials

7(45) / 2016 / ISSN 0361-5235 /ISSNe 1543-186X

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Surface functionalization of ZnO:Ag columnar thin films with AgAu and AgPt bimetallic alloy nanoparticles as an efficient pathway for highly sensitive gas discrimination and early hazard detection in batteries

Vahl Alexander¹, Lupan Oleg^{1,2}, Santos-Carballal David^{3,4}, Postica Vasile², Hansen Sandra¹, Covers Heather¹, Wolff Niklas⁵, Terasa Maik-Ivo¹, Hoppe Mathias¹, Cadi-Essadek Abdelaziz³, Dankwort Torben¹, Kienle Lorenz¹, De Leeuw Nora H^{6,4}, Adelung Rainer¹, Faupel Franz¹

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Journal of Materials Chemistry A

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Robust packing patterns and luminescence quenching in mononuclear [Cu(II)(phen)2] sulfates

Melnic Elena¹, Coropceanu Eduard², Culicova Olga¹, Siminel Anatolii¹, Anderson Dane³, Rivera-Jacquez Hector J.³, Masunov Artem^{3,4}, Fonari Marina¹, Kravtsov Victor¹

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Journal of Physical Chemistry C

/ 2014 / ISSN 1932-7447 /ISSNe 1932-7455

Disponibil online 29 February, 2024. Descarcări-0. Vizualizări-137

High aspect ratio ternary Zn1- xCdxO nanowires by electrodeposition for light-emitting diode applications

Lupan Oleg^{1,2}, 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-100

Rattling-induced suppression of thermal transport in cubic In2O3 with Sn-Ga diatomic defect

Cocemasov Alexandr, Brînzari Vladimir, Nica Denis

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Journal of Physics Condensed Matter

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Energetic, structural and electronic features of Sn-, Ga-, O-based defect complexes in cubic In2O3

Cocemasov Alexandr, Brînzari Vladimir, Nica Denis

Moldova State University

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Synthesis, Powder X-Ray Diffraction, and Ab Initio Study of TlInSe 2 : Analysis of Its Thermoelectric Properties

Ciumacov Iurie^{1,2}, Mintaş Mehmet Fatih¹, Amiraslanov Imameddin³, Volz Sebastian⁴, Mammadov Samir N.⁵, Mamedov Nazim², Mammadov Tofiq², Ishikawa Masato⁶, Wakita Kazuki⁷, Seyidov Mir Hasan Yu¹

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Physica Status Solidi (A) Applications and Materials Science

/ 2019 / ISSN 1862-6300

Disponibil online 3 April, 2019. Descarcări-0. Vizualizări-826

Ab initio calculations of ideal and defective bismuth telluride nanotubes

Pokropyvnyy Oleksiy¹, Xiong Shiyun¹, Ciumacov Iurie^{1,2}, Cortona Pietro³, Volz Sebastian¹

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Physica Status Solidi (B) Basic Research

/ 2015 / ISSN 0370-1972

Disponibil online 19 April, 2023. Descarcări-0. Vizualizări-181

Structural transition in the magnetoelectric ZnCr₂S₄ spinel under pressure

Efthimiopoulos Ilias¹, Liu Zhi T.Y.², Khare Sanjay V.², Sarin Pankaj³, Ţurcan Vladimir^{4,5}, Loidl Alois⁴, Popov Dimitriy Yu.⁶, Wang Yuejian¹

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Physical Review B

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

Disponibil online 11 August, 2022. Descarcări-5. Vizualizări-263

Optical properties of quaternary kesterite-type Cu₂Zn(Sn_{1-x}Gex)S₄ crystalline alloys: Raman scattering, photoluminescence and first-principle calculations

Valakh M.¹, Litvinchuk A.², Dzhagan Volodymyr^{1,3}, Iuchimciuc Volodymyr¹, Havryliuk Ye.¹, Guc Maxim^{4,5}, Bodnar Ivan⁶, Izquierdo-Roca Victor⁴, Perez-Rodriguez Alejandro^{4,7}, Zahn Dietrich R.T.³

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