

Afisarea articolelor -19-0(13) pentru cuvîntul-cheie "transmission electron microscopy"

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

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ACS Applied Materials and Interfaces

/ 2020 / ISSN - /ISSNe 1944-8244

Disponibil online 15 March, 2021. Descarcări-0. Vizualizări-839

Sacrificial Template Synthesis and Properties of 3D Hollow-Silicon Nano- and Microstructures

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ACS Applied Materials and Interfaces

/ 2016 / ISSN - /ISSNe 1944-8244

Disponibil online 14 September, 2022. Descarcări-0. Vizualizări-258

Development of materials for thermoelectric generators: superlattice Ca₃Co₄O₉-Sr₃Co₄O₉

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Design of titania nanotube structures by focused laser beam writing

Enachi Mihail¹, Sarua Andrei², Stevens-Kalceff Marion A.³, Tighineanu Ion⁴, Ghimpu Lidia¹, Ursachi Veaceslav⁵

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Soft magnetic behaviour of nanocrystalline Fe-based glass-coated microwires

Garcia Carlos J.¹, Zhukov Arcady¹, Ipatov Mihail¹, Zhukova V.^{1,2}, del Val Juan Jose¹, Dominguez Lourdes¹, Blanco Juan Maria¹, Larin Vladimir³, Gonzalez Estevez Julian Maria¹

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Journal of Optoelectronics and Advanced Materials

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Disponibil online 26 February, 2024. Descarcări-0. Vizualizări-60

Gold electroplating as a tool for assessing the conductivity of InP nanostructures fabricated by anodic etching of crystalline substrates

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Journal of the Electrochemical Society

/ 2017 / ISSN 0013-4651

Disponibil online 15 December, 2017. Descarcări-1. Vizualizări-831

Facile fabrication of semiconducting oxide nanostructures by direct ink writing of readily available metal microparticles and their application as low power acetone gas sensors

Siebert Leonard¹, Wolff Niklas¹, Ababii Nicolai², Terasa Maik-Ivo¹, Lupan Oleg^{1,2}, Vahl Alexander¹, Duppel Viola³, Qiu Haoyi¹, Tienken Maik¹, Mirabelli Mattia¹, Şontea Victor², Faupel Franz¹, Kienle Lorenz¹, Adelung Rainer¹

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Nano Energy

/ 2020 / ISSN 2211-2855

Disponibil online 26 January, 2020. Descarcări-0. Vizualizări-1122

Thermal conductivity of graphene with defects induced by electron beam irradiation

Malekpour Hoda¹, Ramnani Pankaj¹, Srinivasan Srilok², Balasubramanian Ganesh², Nica Denis^{1,3}, Mulchandani Ashok K.¹, Lake Roger K.¹, Balandin Alexander A.¹

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/ 2016 / ISSN 2040-3364 /ISSNe 2040-3372

Disponibil online 5 December, 2022. Descarcări-0. Vizualizări-296

In-situ boron doping of chemical-bath deposited CdS thin films

Khallaf Hani¹, Chai Guangyu², Lupan Oleg^{1,3}, Chow Lee^{1,4}, Heinrich Helge H.^{1,4}, Park Sang Hoon¹, Schulte Alfons¹

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Low-temperature structural transition in FeCr 2S 4

Mertinat M.¹, Țurcan Vladimir^{1,2}, Samusi D.², Tidecks Reinhard¹, Haider Ferdinand¹

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Superparamagnetic amorphous iron oxide nanowires self-assembled into ordered layered structures

Iacob Mihail^{1,2}, Sîrbu Dumitru², Țugui Codrin¹, Stiubianu George Theodor¹, Sacarescu Liviu¹, Cozan Vasile¹, Zelenakova Adriana³, Cizmar Erik³, Feher Alexander³, Cazacu Maria¹

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Advanced Hybrid GaN/ZnO Nanoarchitected Microtubes for Fluorescent Micromotors Driven by UV Light

Wolff Niklas¹, Ciobanu Vladimir², Enachi Mihail², Kamp Marius¹, Branîște Fiodor², Duppel Viola³, Shree Sindu¹, Raevschi Simion⁴, Medina-Sanchez Mariana⁵, Adelung Rainer¹, Schmidt Oliver⁵, Kienle Lorenz¹, Tighineanu Ion^{2,6}

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Small

2(16) / 2020 / ISSN 1613-6810 /ISSNe 1613-6829

Disponibil online 13 March, 2020. Descarcări-2. Vizualizări-1358

Synthesis of Single-Wall Carbon Nanotubes by Excimer Laser Ablation

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Электронная обработка материалов

4(50) / 2014 / ISSN 0013-5739 /ISSNe 2345-1718

Disponibil online 8 December, 2015. Descarcări-2. Vizualizări-833



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Actualizat: 15.05.2024, accesat: 15.05.2024

Disponibil: <https://ibn.idsi.md>

