

4. Articole în reviste de peste hotare

4.2. Articole în reviste din Scopus - 4

Pd-Functionalized ZnO:Eu Columnar Films for Room-Temperature Hydrogen Gas Sensing: A Combined Experimental and Computational Approach

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ACS Applied Materials and Interfaces

Vol. 12, / 2020 / ISSN - / ISSNe 1944-8244

Disponibil online 9 October, 2020. Descarcări-0. Vizualizări-865

Improved Long-Term Stability and Reduced Humidity Effect in Gas Sensing: SiO₂ Ultra-Thin Layered ZnO Columnar Films

Postica Vasile¹, Lupan Oleg^{1,2}, Gapeeva Anna², Hansen Luka², Khaledialidusti Rasoul³, Mishra Abhishek Kumar⁴, Drewes Jonas⁵, Kersten Holger², Faupel Franz⁵, Adelung Rainer², Hansen Sandra²

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Advanced Materials Technologies

Nr. 5(6) / 2021 / ISSN - / ISSNe 2365-709X

Disponibil online 18 May, 2021. Descarcări-0. Vizualizări-490

Nanosensors Based on a Single ZnO:Eu Nanowire for Hydrogen Gas Sensing

Lupan Cristian¹, Mishra Abhishek Kumar², Mishra Abhishek Kumar³, Drewes Jonas³, Kruger Helge³, Kruger Helge³, Lupan Oleg^{1,3,4,5}, Pauporte Thierry⁴, Pauporte Thierry⁴, Kienle Lorenz³, Adelung Rainer³, De Leeuw Nora H.^{6,7}, Hansen Sandra³

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ACS Applied Materials and Interfaces

Vol. 14, / 2022 / ISSN - / ISSNe 1944-8244

Disponibil online 12 July, 2023. Descarcări-0. Vizualizări-210

Sensing performance of CuO/Cu₂O/ZnO:Fe heterostructure coated with thermally stable ultrathin hydrophobic PV3D3 polymer layer for battery application

Schröder Stefan¹, Ababii Nicolai², Lupan Oleg^{2,1}, Drewes Jonas¹, Magariu Nicolae², Kruger Helge¹, Strunskus Thomas¹, Adelung Rainer¹, Hansen Sandra¹, Faupel Franz¹

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Materials Today Chemistry

Nr. 23 / 2022 / ISSN - / ISSN_e 2468-5194

Disponibil online 10 December, 2021. Descarcări-0. Vizualizări-534



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Institutul de Dezvoltare a Societății Informaționale.

Actualizat: 04.06.2024, accesat: 04.06.2024

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

