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Publicații peste hotare - 7.

Publicații indexate în SCOPUS - 6.

2021 - 1

Highly sensitive and selective hydrogen single-nanowire nanosensor

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Sensors and Actuators, B: Chemical

Vol. 113, / 2006 / ISSN - / ISSN e 0925-4005

Disponibil online 26 June, 2023. Descărcări-0. Vizualizări-169

2013 - 1

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

Lupan Oleg¹², Pauporte Thierry¹, Chow Lee³, Viana Bruno⁴, Pellé Fabienne⁴, Ono Luis K.³, Roldan Cuenya Beatriz³, Heinrich Helge H.³

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Applied Surface Science

Vol. 256, / 2010 / ISSN 0169-4332

Disponibil online 28 June, 2023. Descărcări-0. Vizualizări-179

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Synthesis and characterization of ag- or sb-doped zno nanorods by a facile hydrothermal route

Lupan Oleg¹², Chow Lee¹³, Ono Luis K.¹, Cuenya Beatriz Roldan¹³, Chai Guangyu⁴, Khallaf Hani¹, Park Sang Hoon¹, Schulte Alfons¹

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Journal of Physical Chemistry C

Vol. 114, / 2010 / ISSN 1932-7447 / ISSN e 1932-7455

Disponibil online 6 July, 2023. Descărcări-0. Vizualizări-178

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Synthesis and characterization of ZnO nanowires for nanosensor applications

Lupan Oleg¹², Emelchenko Gennady A.³, Ursachi Veaceslav⁴², Chai Guangyu¹, Redkin A.N.⁵, Gruzintsev Alex N.⁵, Tiginyanu Ion⁴²⁶, Chow Lee¹, Ono Luis K.¹, Roldan Cuenya Beatriz¹, Heinrich Helge H.¹, Yakimov Eugeny⁵

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Materials Research Bulletin

Vol. 45, / 2010 / ISSN 0025-5408

Disponibil online 29 March, 2018. Descarcări-0. Vizualizări-811

Comparative study of hydrothermal treatment and thermal annealing effects on the properties of electrodeposited micro-columnar ZnO thin films

Lupan Oleg¹², Pauporte Thierry², Tiginyanu Ion³, Ursachi Veaceslav³, Shontya Viktor¹, Ono Luis K.⁴, Cuenya Beatriz Roldan⁴, Chow Lee⁴

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Nr. 22(519) / 2011 / ISSN - / ISSN 0040-6090

Disponibil online 28 March, 2018. Descarcări-0. Vizualizări-832

Synthesis and characterization of Cu-doped ZnO one-dimensional structures for miniaturized sensor applications with faster response

Chow Lee¹², Lupan Oleg¹³, Chai Guangyu¹, Khallaf Hani¹, Ono Luis K.¹, Roldan Cuenya Beatriz¹, Tiginyanu Ion⁴³, Ursachi Veaceslav⁴³, Shontya Viktor³, Schulte Alfons⁵

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Sensors and Actuators, A: Physical

Vol. 189, / 2013 / ISSN 0924-4247

Disponibil online 23 March, 2018. Descarcări-1. Vizualizări-825

2006 - 1

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

Lupan Oleg¹²³⁴, Magariu Nicolae³, Khaledialidusti Rasoul⁵, Mishra Abhishek Kumar⁶, Hansen Sandra², Kruger Helge², Postica Vasile³, Heinrich Helge H.⁴⁷, Viana Bruno¹, Ono Luis K.⁴, Cuenya Beatriz Roldan⁴⁸, Chow Lee⁴, Adelung Rainer², Pauporte Thierry¹

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ACS Applied Materials and Interfaces

Vol. 13, / 2021 / ISSN - / ISSNe 1944-8244

Disponibil online 6 May, 2021. Descarcări-0. Vizualizări-557



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Institutul de Dezvoltare a Societății Informaționale.

Actualizat: 03.06.2024, accesat: 03.06.2024

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

