

Afisarea articolelor 21-40(75) pentru cuvântul-cheie "ZnO"

Pd-doped ZnO nanostructured films for multifunctional applications

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Microelectronics and Computer Science

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Disponibil online 22 October, 2017. Descarcări-5. Vizualizări-896

Gas sensors based on optical fiber coated with nanocrystalline TiO2 and nanofibrous ZnO

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

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Al2O3/ZnO Heterostructure- Based Sensors for Volatile Organic Compounds in Safety Applications

Lupan Oleg¹²³, Santos-Carballal David⁴, Magariu Nicolae², Mishra Abhishek Kumar⁵, Ababii Nicolai², Kruger Helge¹, Wolff Niklas¹, Vahl Alexander¹, Bodduluri Mani Teja⁶, Kohlmann Niklas¹, Kienle Lorenz¹, Adelung Rainer¹

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Fabrication of ZnO Nanobrushes by H2-C2H2Plasma Etching for H2Sensing Applications

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Low-Temperature Preparation of Ag-Doped ZnO Nanowire Arrays, DFT Study, and Application to Light-Emitting Diode

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Single step integration of ZnO Nano-and microneedles in Si trenches by novel flame transport approach: Whispering gallery modes and photocatalytic properties

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Epitaxial electrodeposition of ZnO nanowire arrays on p-GaN for efficient UV-light-emitting diode fabrication

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Detectors based on Pd-doped and PdO-functionalized ZnO nanostructures

Postica Vasile¹, Lupan Oleg¹²³, Ababii Nicolai¹, Hoppe Mathias³, Adelung Rainer³, Chow Lee⁴, Şontea Victor¹, Aschehoug Patrick², Viana Bruno², Pauporte Thierry²

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Rapid fabrication technique for interpenetrated ZnO nanotetrapod networks for fast UV sensors

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UV radiation and CH₄ gas detection with a single ZnO:Pd nanowire

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Impact of size upon lasing in ZnO microtetrapods

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Refractive index dispersion deduced from lasing modes in ZnO microtetrapods

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Eu-doped ZnO nanowire arrays grown by electrodeposition

Lupan Oleg¹²³⁴, Pauporte Thierry¹, Viana Bruno², Aschehoug Patrick², Ahmadi Mahdi³, Cuenya Beatriz Roldan³, Rudzevich Yauheni³, Lin Yuqing³, Chow Lee³

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

Lupan Oleg¹², Pauporte Thierry¹, Chow Lee³, Viana Bruno⁴, Pelle Fabienne⁴, Ono Luis Katsuya³, Roldan Cuenya Beatriz³, Heinrich Helge H.³

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Semiconducting Oxide - Based Micro- and Nano-Sensors for Environmental and Biomedical Monitoring

Magariu Nicolae¹, Ababii Nicolai¹, Zadorojneac Tudor¹, Kruger Helge², Bodduluri Mani Teja³, Pauporte Thierry⁴, Adelung Rainer², Hansen Sandra², Lupan Oleg¹

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Study of piezoelectricity in structures based on nanofibrous ZnO layers and polysilane

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Low temperature preparation of Ag-doped ZnO nanowire arrays for sensor and light-emitting diode applications

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Nanosensors based on individual hibrid structures and their application in gas sensing at room temperature

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Micro-nano-technologies of zinc and copper oxides for sensor and medicine applications

Lupan Oleg¹, Postica Vasile¹, Hoppe Mathias², Șontea Victor¹, Railean Serghei¹, Adelung Rainer²

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Detection properties of individual and networked CNT-ZnO-hybrid tetrapods

Postica Vasile¹, Lupan Oleg¹, Șontea Victor¹, Trofim Viorel¹, Schutt Fabian², Smazna Daria², Mishra Yogendra Kumar², Adelung Rainer²

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The Reliability to Gamma Radiation of Gas Sensors Based on Nanostructured ZnO:Eu

Lupan Cristian¹, Bîrnaz Adrian¹, Buzdugan Artur¹, Zimoch Lukas², Adelung Rainer², Lupan Oleg¹²

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Electrodeposition of Cu-doped ZnO nanowire arrays and heterojunction formation with p-GaN for color tunable light emitting diode applications

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Detectarea luminii uv pe baza rețelelor de ZnO

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Photocatalytic applications of doped zinc oxide porous films grown by magnetron sputtering

Ghimpu Lidia¹, Reimer Tim²³⁴, Smazna Daria², Hoppe Mathias², Benecke Wolfgang⁴, Bejenari A.¹, Cojocaru Ala², Lupan Oleg²⁵, Adelung Rainer², Tighineanu Ion¹⁵

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Single nanowire nanosensors: A case study of the effects of metal doping on ZnO

Lupan Oleg¹, Chow Lee², Pauporte Thierry³, Viana Bruno³, Adelung Rainer⁴

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UV nanophotodetector based on a single ZnO: Au nanowire functionalized with Au-nanoparticles

Postica Vasile¹, Pauporte Thierry², Viana Bruno², Cavers Heather³, Hoppe Mathias³, Adelung Rainer³, Lupan Oleg¹

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Protein-corona formation on aluminum doped zinc oxide and gallium nitride nanoparticles

Ciobanu Vladimir¹, Roncari Francesco², Ceccone Giacomo², Braniste Fiodor¹, Ponti Jessica², Bogni Alessia², Guerrini Giuditta², Cassano Domenico², Colpo Pascal², Tighineanu Ion¹³

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Nanosensors based on individual hybrid structures and their application in gas sensing at room temperature

Postica Vasile¹, Rasch Florian², Schutt Fabian², Adelung Rainer², Lupan Oleg¹

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The Photophysical Properties of Ga-doped ZnO Thin Films Grown by Spray Pyrolysis Method

Worasawat Suchada¹, Taku Miyake¹, Potlog Tamara², Mimura Hidenori³

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Magnetron sputtering and characterization of doped zinc oxide nanofibrous films and their applications

Lupan Oleg¹², Ghimpu Lidia³, Reimer Tim¹⁴, Hoppe Mathias¹, Paulowicz Ingo¹, Gedamu Dawit M.¹, Mishra Yogendra Kumar¹, Hammerich D.¹, Chemnitz Steffen⁴, Crețu Vasiliu², Tighineanu Ion²³, Adelung Rainer¹

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Integration of metal and metal oxide nanowires directly on chip by top-down technology and their electrical characteristics

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Well-aligned arrays of vertically oriented ZnO nanowires electrodeposited on ITO-coated glass and their integration in dye sensitized solar cells

Lupan Oleg¹, Guerin Victoire Marie¹, Tighineanu Ion²³, Ursachi Veaceslav²³, Chow Lee⁴, Heinrich Helge H.⁴, Pauporte Thierry¹

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

Lupan Oleg^{1,2}, Pauporte Thierry¹, Le Bahers Tanguy¹, Ciofini Ilaria¹, Viana Bruno³

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Low-temperature sintering of highly conductive ZnO:Ga:Cl ceramics by means of chemical vapor transport

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Photoluminescence study of ZnO nanostructures grown on silicon by MOCVD

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Characterizations of pure and eu-doped ZnO aerogels nanostructures elaborated by a modified sol gel process

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The influence of temperature and pressure technological parameters on the characteristics of ZnO nanostructures synthesized by sol-gel process in isopropanol

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Luminescent properties of low-dimensional ZnO:Ag powders obtained by chemical deposition from aqueous solution

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Materials for integrated of THz sensors in EWOD chips

Sîrbu Lilian¹, Muller Raluca², Dănilă Mihai², Schiopu Vasilica², Matei Alina², Comanescu Florin Constantin², Ștefan Angela³, Baracu Angela Mihaela², Dascălu Traian³

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Photocatalytic degradation of organic dyes using TiO₂nanotube arrays and aero-ZnO- ZnS under UV and visible light illumination

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Al₂O₃/ZnO composite-based sensors for battery safety applications: An experimental and theoretical investigation

Santos-Carballal David¹, Lupan Oleg²³, Magariu Nicolae³, Ababii Nicolai³, Kruger Helge², Bodduluri Mani Teja⁴, De Leeuw Nora H¹⁵, Hansen Sandra², Adelung Rainer²

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Highly luminescent columnar ZnO films grown directly on n-Si and p-Si substrates by low-temperature electrochemical deposition

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ZnO-based terahertz quantum cascade lasers

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Exciton polariton spectra and carrier effective masses in ZnO single crystals

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Al-Doped ZnO Nanowires by Electrochemical Deposition for Selective VOC Nanosensor and Nanophotodetector

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Ultraviolet photoconductive sensor based on single ZnO nanowire

Lupan Oleg¹², Chai Guangyu³, Chow Lee¹, Emelcenco Gennady⁴, Heinrich Helge H.¹, Ursachi Veaceslav⁵², Gruzintev Alex⁶, Tighineanu Ion²⁷, Redkin A⁶

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Functionalized Pd/ZnO Nanowires for Nanosensors

Lupan Oleg¹²³, Postica Vasile², Adelung Rainer¹, Labat Frederic³, Ciofini Ilaria³, Schurmann Ulrich¹, Kienle Lorenz¹, Chow Lee⁴, Viana Bruno³, Pauporte Thierry³

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Rapid hydrothermal synthesis of zinc oxide nanorods on single crystal sapphire substrate

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Nanofibrous zinc oxide films synthesized by magnetron sputtering

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