

Afisarea articolelor 1-20(35) pentru cuvîntul-cheie "Gallium nitride"

Low-voltage UV-electroluminescence from ZnO-Nanowire array/p-CaN light-emitting diodes

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Advanced Materials

/ 2010 / ISSN 0935-9648 /ISSNe 1521-4095

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Electron mobility enhancement in AlN/GaN/AlN heterostructures with InGaN nanogrooves

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Built-in field effect on the electron mobility in AlN/GaN/AlN quantum wells

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Atomic-scale structure of self-assembled In(Ga)As quantum rings in GaAs

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Surface-charge lithography for GaN microstructuring based on photoelectrochemical etching techniques

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Mesenchymal stem cells proliferation and remote manipulation upon exposure to magnetic semiconductor nanoparticles

Brașiște Fiodor¹, Cobzac Vitalie², Ababii Polina², Pleșco (Jin) Irina¹, Raevschi Simion³, Didencu Alexandru², Maniuc Mihail², Nacu Viorel², Ababii Ion², Tighineanu Ion¹⁴

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Gunn diodes based on graded-gap semiconductor nitrides with boron nitride

Storozhenko Igor¹, Timanyuk V.¹, Yaroshenko A.², Arkusha Yu.²

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Micrometer-size GaN Schottky-diodes for MM-wave frequency multipliers

Cojocari Oleg¹²³, Popa Veaceslav¹³, Ursachi Veaceslav¹³, Tighineanu Ion¹³, Mutamba Kabula², Saglam M.², Hartnagel Hans Ludwig²

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Self-organized three-dimensional nanostructured architectures in bulk GaN generated by spatial modulation of doping

Tighineanu Ion¹², Stevens-Kalceff Marion A.³, Sarua Andrei⁴, Brașiște Fiodor², Monaico Eduard², Popa Veaceslav², Andrade Hugo D⁴, Thomas James⁴, Raevschi Simion⁵, Schulte K.⁶, Adelung Rainer⁷

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Effect of ge delta-doping of the Gan barrier on the performance of Ingan/Gan light-emitting diodes

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Știință, educație, cultură

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X-ray photoelectronic spectroscopy of GaN, AlGaIn layers, grown on silicon by the chemical transport reactions method

Raevschi Simion¹, Botnariuc Vasile¹, Gorceac Leonid¹, Potlog Tamara¹, Dobromir Marius², Luca Dumitru²

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Confined electron-confined phonon scattering rates in wurtzite AlN/GaN/AlN heterostructures

Pocatilov Evghenii¹, Nica Denis¹, Balandin Alexander A.²

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Optical characterization of AlN/GaN heterostructures

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Effect of p-NiO interlayer on internal quantum efficiency of p-GaN/n-ZnO light-emitting devices

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Photoluminescence of flux grown GaN crystals

Jerebțov Dmitrii¹²³⁴, Sirkeli Vadim⁵⁶, DiSalvo Francis J.³, Lahderanta Erkki², Xu Ke⁴, Lashkul Alexander V.², Laiho Reino⁷, Bobylev A.²⁸, Liu Zongliang⁴, Vinnik Denis¹, Galimov Damir¹, Dyachuk Vitaly¹

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Controlled mixed violet-blue-red electroluminescence from Eu:Nano-phosphors/ZnO-Nanowires/p-GaN light-emitting diodes

Lupan Oleg¹²³, Viana Bruno¹, Pauporte Thierry², Dhaouadi Maroua¹, Pelle Fabienne¹, Devys Lucie⁴, Gacoin Thierry⁴

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

Lupan Oleg¹², Pauporte Thierry¹, Le Bahers Tangui¹, Ciofini Ilaria¹, Viana Bruno³

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Efficiency enhancement of InGaN/GaN light-emitting diodes with pin-doped GaN quantum barrier

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Aero-Materials Based on Wide-Band-Gap Semiconductor Compounds for Multifunctional Applications: A Review

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Exciton-polariton laser

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Electrical characterization and cathodoluminescence microanalysis of AlN/GaN heterostructures

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Targeting Endothelial Cells with Multifunctional GaN/Fe Nanoparticles

Braniste Fiodor¹², Tighineanu Ion¹, Horvath Tibor², Raevschi Simion³, Birgit Andree², Cebotari Serghei², Boyle Erin C.², Haverich Axel², Hilfiker Andres²

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Zinc Oxide and Gallium Nitride Nanoparticles Application in Biomedicine: A Review

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Nonadiabatic theory of excitons in wurtzite AlGa_N/Ga_N quantum-well heterostructures

Pocatilov Evghenii¹, Nica Denis¹, Fomin Vladimir^{1,2}, Devreese Josef T.^{2,3}

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Sensing up to 40 atm Using Pressure-Sensitive Aero-GaN

Dragoman Mircea L.¹, Ciobanu Vladimir^{2,3}, Dragoman Daniela⁴, Braniște Fiodor^{2,3}, Miron Adrian Dinescu^{5,1}, Mishra Yogendra Kumar^{6,7,3}, Adelung Rainer^{3,2}

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Growth and characterization of crack-free GaN films grown on cracked Si-doped GaN templates

Sia Engkee¹, Hao Maosheng¹, Chua Soo Jin¹, Tighineanu Ion^{2,3}, Ichizli V.⁴, Mutamba Kabula⁴, Hartnagel Hans Ludwig⁴, Zhang Ji⁵, Tripathy Sudhiranjan R.⁵

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Enhanced efficiency of p-GaN/n-ZnO light-emitting devices by inserting nickel oxide interlayer. (invited paper)

Sirkeli Vadim¹, Yilmazoglu Oktay², Kuppers Franko², Hartnagel Hans Ludwig²

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Ultra-thin membranes for sensor applications

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Effect of p-NiO and n-ZnSe interlayers on the efficiency of p-GaN/n-ZnO light-emitting diode structures

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Sharp variations in the temperature dependence of optical reflectivity from AlN/GaN heterostructures

Ursachi Veaceslav¹², Tighineanu Ion¹², Sîrbu Nicolae¹², Zalamai Victor¹², Hubbard Seth Martin³, Pavlidis Dimitris³

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The influence of semiconductor nanoparticles upon the activity of mesenchymal stem cells

Branîște Fiodor¹, Cobzac Vitalie², Ababii Polina², Pleșco (Jin) Irina¹, Raevschi Simion³, Didencu Alexandru², Maniuc Mihail², Nacu Viorel², Ababii Ion², Tighineanu Ion¹

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