

Afisarea articolelor 1-20(32) pentru cuvântul-cheie "quantum dots"

System for digital processing of multidimensional signals

Ceban Victor, Macovei Mihai

Institute of Applied Physics, Academy of Sciences of Moldova

Microelectronics and Computer Science

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The quantum dynamics of a nanomechanical resonator coupled to two quantum dots

Ceban Victor, Macovei Mihai

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

Lupan Oleg¹, Pauporte Thierry^{1,2}, Viana Bruno³

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Advanced Materials

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

Disponibil online 28 June, 2023. Descarcări-0. Vizualizări-207

Kinetics of cascade photoluminescence of exciton complexes in CdSe/CdS/CdZnS quantum dots

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Telecommunications, Electronics and Informatics

Ed. 6. 2018. Chișinău, Republica Moldova. [ISBN 978-9975-45-540-4](#).

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Preparation and characterization of CdSe colloidal quantum dots by optical spectroscopy and 2D DOSY NMR

Geru Ion¹, Bordian Olga², Culeac Ion², Turtă Constantin¹, Verlan Victor², Barbă Alic¹

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Proceedings of SPIE - The International Society for Optical Engineering

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Introduction to Biosensing

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Electronic structure of self-assembled quantum dots in high magnetic fields

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Time-resolved photoluminescence of CdSe/CdS/CdZnS colloidal quantum dots

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Photoluminescence spectra of quantum dots: Enhanced efficiency of the electron-phonon interaction

Devreese Josef T.¹, Fomin Vladimir¹², Gladilin Vladimir¹², Klimin Serghei¹²

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Impurity-bound hole polaron in a cylindrical quantum wire

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Energy of the bound state in a parabolic quantum well in magnetic and electric fields

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Collective quantum dot inversion and amplification of photon and phonon waves

Das Sumanta¹², Macovei Mihai¹²

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Physical Review B - Condensed Matter and Materials Physics

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Excitons in wurtzite AlGaIn/GaN quantum-well heterostructures

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Model of Raman scattering in self-assembled InAs GaAs quantum dots

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Charge-carrier states and light absorption in ordered quantum dot superlattices

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Photoluminescence of spherical quantum dots

Fomin Vladimir¹, Gladilin Vladimir¹, Devreese Josef T.¹, Pocatilov Evghenii², Balaban Serghei², Klimin Serghei²

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Synthesis and characterization of colloidal PbS quantum dots in gelatin

Mitioglu Anatolie, Gherman Corneliu, Lascova-Baciu Renata, Cuharuc Anatolii, Gavriliuță Anatolie, Culiuc Leonid

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Synthesis of colloidal InP nanocrystal quantum dots

Sîrbu Lilian¹, Guțul Tatiana¹, Todosiciuc Alexandr¹, Dănilă Mihai², Muller Raluca², Sarua Andrei³, Webster R.³, Tighineanu Ion¹⁴, Ursachi Veaceslav⁴⁵

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Plasmonic enhancement of scattering and emission of light in nanostructures: from basic science to biomedical applications

Gaponenko Serghei

Stepanov Institute of Physics, National Academy of Sciences of Belarus

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Solution-processed photodetectors

Mostaque Shaikh Khaled¹, Kuddus Abdul¹, Rahman Md. Ferdous², Korotcenkov Ghenadie³, Hossain Jaker¹

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QDs of wide band gap II-VI semiconductors luminescent properties and photodetector applications

Abdullah Muwaffaq¹, Al-Nashy Baqer Obeid², Korotcenkov Ghenadie³, Al-Khursan Amin Habbe¹

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Optical spectra in the region of exciton resonances in quantum wells and quantum dots of In_{0.3}Ga_{0.7}As/GaAs heterostructures

Sîrbu Nicolae¹, Dorogan Valerian¹, Dorogan Andrei¹, Vieru Tatiana¹, Ursachi Veaceslav², Zalamai Victor²

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