

Moscalenco Sveatoslav

4. Articole în reviste de peste hotare

4.2. Articole în reviste din Scopus - 32

Teze/Rezumate în culegeri - 18.

Carrier multiplication in semiconductor quantum dots

Moskalenko Sveatoslav, Lelyakov Igor, Podlesny Igor

Institute of Applied Physics

Physica B: Condensed Matter

Vol. 604, / 2021 / ISSN - / ISSNNe 0921-4526

Disponibil online 30 March, 2021. Descarcări-0. Vizualizări-321

Two-Dimensional Electron-Hole System under the Influence of the Chern-Simons Gauge Field Created by the Quantum Point Vortices

Moskalenko Sveatoslav¹, Moskalenko Vsevolod¹, Podlesny Igor¹, Liberman Michael²

¹ Institute of Applied Physics, Academy of Sciences of Moldova,

² Nordic Institute for Theoretical Physics (NORDITA) KTH

Semiconductors

Vol. 55, / 2021 / ISSN 1063-7826

Disponibil online 6 October, 2023. Descarcări-0. Vizualizări-133

Thermodynamics of the Ideal Two-Dimensional Magnetoexciton Gas with Linear Dispersion Law

Moskalenko Sveatoslav¹, Podlesny Igor¹, Zubac Ion¹, Novikov Boris²

¹ Institute of Applied Physics,

² St Petersburg University

Semiconductors

Vol. 54, / 2020 / ISSN 1063-7826

Disponibil online 10 November, 2020. Descarcări-0. Vizualizări-577

Two-dimensional magnetoexciton superposition states with Dirac cone dispersion law and quantum interference effects in optical transitions

Moskalenko Sveatoslav¹, Podlesny Igor¹, Zubac Ion¹, Novikov Boris²

¹ Institute of Applied Physics,

² Saint Petersburg State University

Solid State Communications

Vol. 312, / 2020 / ISSN 0038-1098 / ISSNNe 1879-2766

Disponibil online 7 October, 2020. Descarcări-0. Vizualizări-628

Two Dimensional Bright and Dark Magnetoexcitons Interacting with Quantum Point Vortices

Moskalenko Sveatoslav, Moskalenko Vsevolod, Podlesny Igor, Zubac Ion

Institute of Applied Physics

Semiconductors

Vol. 53, / 2019 / ISSN 1063-7826

Disponibil online 9 March, 2020. Descarcări-0. Vizualizări-1041

Metastable bound states of the interacting two-dimensional magnetoexcitons

Moskalenko Svatoslav¹, Khadzhi Peter¹, Podlesny Igor¹, Dumanov Evgheni¹, Liberman Michael^{2,3}, Zubac Ion¹

¹ Institute of Applied Physics,

² Nordic Institute for Theoretical Physics (NORDITA) KTH,

³ Stockholms Universitet

Solid State Communications

Vol. 283, / 2018 / ISSN 0038-1098 / ISSN 1879-2766

Disponibil online 3 December, 2018. Descarcări-0. Vizualizări-866

Metastable Bound States of the Two-Dimensional Bimagnetoexcitons in the Lowest Landau Levels Approximation

Moskalenko Svatoslav¹, Khadzhi Peter¹, Podlesny Igor¹, Dumanov Evgheni¹, Liberman Michael², Zubac Ion¹

¹ Institute of Applied Physics,

² Nordic Institute for Theoretical Physics (NORDITA) KTH

Semiconductors

Vol. 52, / 2018 / ISSN 1063-7826

Disponibil online 21 June, 2019. Descarcări-0. Vizualizări-880

Interaction of two-dimensional magnetoexcitons

Dumanov Evgheni¹, Podlesny Igor¹, Moskalenko Svatoslav¹, Liberman Michael^{2,3}

¹ Institute of Applied Physics, Academy of Sciences of Moldova,

² Nordic Institute for Theoretical Physics (NORDITA) KTH,

³ Stockholms Universitet

Physica E: Low-Dimensional Systems and Nanostructures

Nr. 88 / 2017 / ISSN - / ISSN 1386-9477

Disponibil online 16 March, 2022. Descarcări-0. Vizualizări-238

Dispersion laws of the two-dimensional cavity magnetoexciton-polaritons

Moskalenko Svatoslav¹, Podlesny Igor¹, Dumanov Evgheni¹, Liberman Michael², Novikov Boris³

¹ Institute of Applied Physics, Academy of Sciences of Moldova,

² Nordic Institute for Theoretical Physics (NORDITA) KTH,

³ Institute of Physics, St. Petersburg

Journal of Nanophotonics

Nr. 3(10) / 2016 / ISSN 1934-2608

Disponibil online 8 December, 2022. Descarcări-0. Vizualizări-218

Exciton-polariton laser

Moskalenko Svatoslav¹, Tiginyanu Ion²

¹ Institute of Applied Physics, Academy of Sciences of Moldova,

² Institute of the Electronic Engineering and Nanotechnologies "D. Ghitu" of the Academy of Sciences of Moldova

Low Temperature Physics

Vol. 42, / 2016 / ISSN 1063-777X

Disponibil online 18 December, 2017. Descarcări-0. Vizualizări-520

Exciton-polariton laser

Moskalenko Sveatoslav¹, Tiginyanu Ion²

¹ Institute of Applied Physics, Academy of Sciences of Moldova,

² Institute of the Electronic Engineering and Nanotechnologies "D. Ghitu" of the Academy of Sciences of Moldova

Fizika Nizkikh Temperatur

Vol. 42, / 2016 / ISSN 0132-6414

Disponibil online 18 December, 2017. Descarcări-0. Vizualizări-551

Effects of Rashba spin-orbit coupling, Zeeman splitting and gyrotropy in two-dimensional cavity polaritons under the influence of the Landau quantization

Moskalenko Sveatoslav¹, Podlesny Igor¹, Dumanov Evgheni¹, Liberman Michael²³

¹ Institute of Applied Physics, Academy of Sciences of Moldova,

² Royal Institute of Tehcnology,

³ Stockholms Universitet

European Physical Journal B

Vol. 88, Nr. 9 / 2015 / ISSN 1434-6028

Disponibil online 17 May, 2023. Descarcări-0. Vizualizări-211

Landau quantization, Rashba spin-orbit coupling and Zeeman splitting of two-dimensional heavy-hole gases

Moskalenko Sveatoslav¹, Podlesny Igor¹, Dumanov Evgheni¹, Liberman Michael²³, Novikov Boris⁴

¹ Institute of Applied Physics, Academy of Sciences of Moldova,

² Royal Institute of Tehcnology,

³ Moscow Institute of Physics and Technology,

⁴ Institute of Physics, St. Petersburg

Physica Status Solidi (B) Basic Research

Vol. 252, / 2015 / ISSN 0370-1972

Disponibil online 24 May, 2023. Descarcări-0. Vizualizări-155

Two-dimensional cavity polaritons under the influence of the perpendicular strong magnetic and electric fields. the gyrotropy effects

Moskalenko Sveatoslav¹, Podlesny Igor¹, Dumanov Evgheni¹, Liberman Michael²³

¹ Institute of Applied Physics, Academy of Sciences of Moldova,

² Royal Institute of Tehcnology,

³ Stockholms Universitet

Solid State Communications

Vol. 222, / 2015 / ISSN 0038-1098 / ISSN 1879-2766

Disponibil online 14 November, 2023. Descarcări-0. Vizualizări-119

The influence of the rashba spin-orbit coupling on the two-dimensional electron-hole system and magnetoexcitons

Moskalenko Sveatoslav¹, Podlesny Igor¹, Dumanov Evgheni¹², Kiselyov Anton³

¹ Institute of Applied Physics, Academy of Sciences of Moldova,

² Technical University of Moldova,

³ State University of Civil Aviation

Journal of Nanoelectronics and Optoelectronics

Vol. 9, / 2014 / ISSN 1555-130X

Disponibil online 28 August, 2023. Descarcări-0. Vizualizări-145

Mixed exciton-plasmon collective elementary excitations of the Bose-Einstein condensed two-dimensional magnetoexcitons with motional dipole moments

Dumanov Evgheni¹, Liberman Michael², Moskalenko Sveatoslav¹, Novikov Boris³, Rusu Spiridon¹

¹ Institute of Applied Physics, Academy of Sciences of Moldova,

² Uppsala University,

³ Institute of Physics, St. Petersburg

Physica Status Solidi (B) Basic Research

Vol. 250, / 2013 / ISSN 0370-1972

Disponibil online 15 September, 2023. Descarcări-0. Vizualizări-140

True, quasi and unstable Nambu-Goldstone modes of the two-dimensional Bose-Einstein condensed magnetoexcitons

Moskalenko Sveatoslav¹, Liberman Michael^{2,3}, Snoke David W.⁴, Dumanov Evgheni¹, Rusu Spiridon¹, Cerbu Florin¹

¹ Institute of Applied Physics, Academy of Sciences of Moldova,

² Uppsala University,

³ Moscow Institute of Physics and Technology,

⁴ University of Pittsburgh

Solid State Communications

Vol. 155, / 2013 / ISSN 0038-1098 / ISSN 1879-2766

Disponibil online 14 November, 2023. Descarcări-0. Vizualizări-108

Spontaneous symmetry breaking and coherence in two-dimensional electron-hole and exciton systems

Moskalenko Sveatoslav¹, Liberman Michael^{2,3}, Dumanov Evgheni¹, Moskalenko Evgenii⁴

¹ Institute of Applied Physics, Academy of Sciences of Moldova,

² Uppsala University,

³ Moscow Institute of Physics and Technology,

⁴ Ioffe Physical-Technical Institute, RAS

Journal of Nanoelectronics and Optoelectronics

Vol. 7, / 2012 / ISSN 1555-130X

Disponibil online 25 August, 2023. Descarcări-1. Vizualizări-148

Exciton condensation under high magnetic field

Moskalenko Sveatoslav¹, Liberman Michael², Dumanov Evgheni¹

¹ Institute of Applied Physics, Academy of Sciences of Moldova,

² Uppsala University

Journal of Nanoelectronics and Optoelectronics

Vol. 6, / 2011 / ISSN 1555-130X

Disponibil online 25 August, 2023. Descarcări-0. Vizualizări-176

Landau quantization of a two-dimensional electron with the nonparabolic dispersion law, pseudospin components and chirality terms

Moskalenko Sveatoslav¹, Podlesny Igor¹, Khadzhi Peter¹, Novikov Boris², Kiselyov Anton³

¹ Institute of Applied Physics, Academy of Sciences of Moldova,

² Institute of Physics, St. Petersburg,

³ State University of Civil Aviation

Solid State Communications

Vol. 151, / 2011 / ISSN 0038-1098 / ISSN_e 1879-2766

Disponibil online 14 November, 2023. Descarcări-0. Vizualizări-93

Carrier multiplication in semiconductor quantum dots due to inseparable successive scatterings

Moskalenko Sveatoslav, Dobynde Igor, Ștefan Angela, Pavlenko Vladimir, Lelyakov Igor

Institute of Applied Physics, Academy of Sciences of Moldova

Journal of Nanoelectronics and Optoelectronics

Vol. 4, / 2009 / ISSN 1555-130X

Disponibil online 24 August, 2023. Descarcări-0. Vizualizări-167

Collective elementary excitations of two-dimensional magnetoexcitons in the Bose-Einstein condensation state

Moskalenko Sveatoslav¹, Liberman Michael², Dumanov Evgheni¹

¹ Institute of Applied Physics, Academy of Sciences of Moldova,

² Uppsala University

Journal of Nanoelectronics and Optoelectronics

Vol. 4, / 2009 / ISSN 1555-130X

Disponibil online 24 August, 2023. Descarcări-0. Vizualizări-187

Exciton-cyclotron resonance in two-dimensional structures in a strong perpendicular magnetic field and optical orientation conditions

Moskalenko Sveatoslav¹, Liberman Michael², Podlesny Igor¹

¹ Institute of Applied Physics, Academy of Sciences of Moldova,

² Uppsala University

Physical Review B - Condensed Matter and Materials Physics

Vol. 79, / 2009 / ISSN 1098-0121 / ISSN_e 1550-235X

Disponibil online 3 July, 2023. Descarcări-0. Vizualizări-155

Intra-Landau-level excitations of the two-dimensional electron-hole liquid

Moskalenko Sveatoslav¹, Liberman Michael², Dumanov Evgheni¹, Ștefan Angela¹, Shmiglyuk M.¹

¹ Institute of Applied Physics, Academy of Sciences of Moldova,

² Uppsala University

Journal of Physics Condensed Matter

Vol. 21, / 2009 / ISSN 0953-8984 / ISSN_e 1361-648X

Disponibil online 6 March, 2024. Descarcări-0. Vizualizări-96

Influence of excited Landau levels on a two-dimensional electron-hole system in a strong perpendicular magnetic field

Moskalenko Sveatoslav¹, Liberman Michael², Khadzhi Peter¹, Dumanov Evgheni¹, Podlesny Igor¹, Boțan V.²

¹ Institute of Applied Physics, Academy of Sciences of Moldova,

² Uppsala University

Solid State Communications

Vol. 140, / 2006 / ISSN 0038-1098 / ISSN_e 1879-2766

Disponibil online 13 November, 2023. Descarcări-0. Vizualizări-111

Coexistence of two Bose-Einstein condensates of two-dimensional magnetoexcitons. Exciton-plasmon collective elementary excitations

Moskalenko Sveatoslav¹, Liberman Michael², Boțan V.², Snoke David W.³

¹ Institute of Applied Physics, Academy of Sciences of Moldova,

² Uppsala University,

³ University of Pittsburgh

Solid State Communications

Vol. 134, / 2005 / ISSN 0038-1098 / ISSN_e 1879-2766

Disponibil online 13 November, 2023. Descarcări-0. Vizualizări-110

Bose-Einstein condensation of excitons in ideal two-dimensional system in a strong magnetic field

Moskalenko Sveatoslav¹, Liberman Michael², Snoke David W.³, Boțan V.², Johansson B.²

¹ Institute of Applied Physics, Academy of Sciences of Moldova,

² Uppsala University,

³ University of Pittsburgh

Physica E: Low-Dimensional Systems and Nanostructures

Nr. 3(19) / 2003 / ISSN - / ISSN_e 1386-9477

Disponibil online 12 September, 2022. Descarcări-0. Vizualizări-268

Polarizability, correlation energy, and dielectric liquid phase of Bose-Einstein condensate of two-dimensional excitons in a strong perpendicular magnetic field

Moskalenko Sveatoslav¹, Liberman Michael², Snoke David W.³, Boțan V.²

¹ Institute of Applied Physics, Academy of Sciences of Moldova,

² Uppsala University,

³ University of Pittsburgh

Physical Review B - Condensed Matter and Materials Physics

Vol. 66, / 2002 / ISSN 1098-0121 / ISSN_e 1550-235X

Disponibil online 26 June, 2023. Descarcări-0. Vizualizări-193

Propagation Hanle effect of quadrupole polaritons in Cu2O

Moskalenko Sveatoslav¹, Liberman Michael², Liberman M.A.³

¹ Institute of Applied Physics, Academy of Sciences of Moldova,

² Uppsala University,

³ P.L. Kapitza Institute for Physical Problems

Physical Review B - Condensed Matter and Materials Physics

Vol. 65, / 2002 / ISSN 1098-0121 / ISSN_e 1550-235X

Disponibil online 5 July, 2023. Descarcări-0. Vizualizări-192

Phononitons and energy spectrum instabilities of the exciton-photon-phonon system

Kiselyova E.¹, Moskalenko Sveatoslav²

¹ Moldova State University,

² Institute of Applied Physics, Academy of Sciences of Moldova

Physica Status Solidi (B) Basic Research

Vol. 211, / 1999 / ISSN 0370-1972

Disponibil online 19 September, 2023. Descarcări-0. Vizualizări-109

Transversal-longitudinal splittings of quadrupole-active exciton level in Cu₂O crystal

Moskalenko Svetoslav¹, Bobrysheva A.¹, Kiselyova E.²

¹ Institute of Applied Physics, Academy of Sciences of Moldova,

² Moldova State University

Physica Status Solidi (B) Basic Research

Vol. 213, / 1999 / ISSN 0370-1972

Disponibil online 19 September, 2023. Descarcări-0. Vizualizări-132

The Renormalization of the Energetical Spectrum and the Peculiarities of High Density Paraexciton Luminescence Band

Bobrysheva A., Moskalenko Svetoslav, Shmiglyuk M., Russu S.

Institute of Applied Physics, Academy of Sciences of Moldova

Physica Status Solidi (B) Basic Research

Vol. 190, / 1995 / ISSN 0370-1972

Disponibil online 7 February, 2024. Descarcări-0. Vizualizări-81



Copyright © 2011-2024 Instrumentul Bibliometric Național.

Institutul de Dezvoltare a Societății Informaționale.

Actualizat: 23.05.2024, accesat: 23.05.2024

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

