

Moscalenco Sveatoslav

3. Articole în reviste din RM

3.1. Articole în reviste științifice din RM (perioada în care au avut categorie de clasificare + 2 numere până la aprobarea statutului de publicație științifică)

3.1.1. Articole în reviste de cat. A - 7

Teze/Rezumate în culegeri - [18](#).

2022 - 1

Combined optical quantum transitions with the participation of twodimensional magnetoexcitons

Moskalenko Sveatoslav, Podlesny Igor, Lelyakov Igor

Institute of Applied Physics

Materials Science and Condensed Matter Physics

Nr. 1(53) / 2009 / ISSN 1810-6455

Disponibil online 14 April, 2022. Descarcări-0. Vizualizări-252

2019 - 2

CMT 5 P The elementary excitations of 2D magnetoexcitons in the Bec state with wave vector $k=0$

Moskalenko Sveatoslav¹, Liberman Michael², Dumanov Evgheni¹, Rusu Spiridon¹, Sanduleac Ionel¹

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Materials Science and Condensed Matter Physics

Nr. 16(29) / 2012 / ISSN 1857-0054

Disponibil online 14 April, 2021. Descarcări-0. Vizualizări-339

Two-dimensional magnetoexcitons under the influence of the Rashba spinorbit coupling

Hakioglu Tugrul¹, Liberman Michael², Moskalenko Sveatoslav³, Podlesny Igor³

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Materials Science and Condensed Matter Physics

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2018 - 1

Collective elementary excitations of 2D magnetoexcitons taking into account excited Landau levels

Moskalenko Sveatoslav¹, Liberman Michael², Dumanov Evgheni¹, Rusu Spiridon¹, Cerbu Florin¹

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Nanotechnologies and Biomedical Engineering

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Disponibil online 18 July, 2019. Descarcări-0. Vizualizări-614

2017 - 2

Exchange electron-hole interaction of two-dimensional magnetoexcitons under the influence of the Rashba spin-orbit coupling

Moskalenko Svetoslav¹, Podlesny Igor¹, Novikov Boris^{2,3}, Kiselyova E.⁴, Lelyakov Igor¹, Shutova Liudmila^{1,4}

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Nanotechnologies and Biomedical Engineering

Nr. 2-3(37) / 2006 / ISSN 1810-6455

Disponibil online 18 July, 2019. Descarcări-0. Vizualizări-647

CMT 1 P Landau quantization of two-dimensional heavy holes and the energy spectrum of magnetoexcitons

Moskalenko Svetoslav¹, Podlesny Igor¹, Kiselyov Anton², Buzut Aculina¹

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Materials Science and Condensed Matter Physics

Nr. 2(17) / 2006 / ISSN 1810-1852 / ISSNe 1810-1879

Disponibil online 6 March, 2020. Descarcări-0. Vizualizări-568

2016 - 2

Collective elementary excitations of two-dimensional magnetoexcitons interacting with plasmons under the influence of excited Landau levels

Moskalenko Svetoslav¹, Liberman Michael², Snoke David W.³, Dumanov Evgheni¹, Rusu Spiridon¹, Cerbu Florin¹

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Materials Science and Condensed Matter Physics

Nr. 2(17) / 2006 / ISSN 1810-1852 / ISSNe 1810-1879

Disponibil online 5 March, 2020. Descarcări-1. Vizualizări-698

Landau quantization of two-dimensional heavy holes and acceptor-bound trions Auger-recombination lines

Podlesny Igor¹, Moskalenko Svetoslav¹, Kiselyov Anton², Shutova Liudmila¹, Lelyakov Igor¹

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Nanotechnologies and Biomedical Engineering

Nr. 1(29) / 2005 / ISSN 1810-6455

Disponibil online 18 June, 2019. Descarcări-0. Vizualizări-655

2015 - 2

True, quasi and unstable Nambu-Goldstone modes of the 2D Bose-Einstein condensed magnetoexcitons with different wave vectors

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

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Nanotechnologies and Biomedical Engineering

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Disponibil online 19 June, 2019. Descarcări-0. Vizualizări-610

Two-dimensional magnetoexciton-polariton in semiconductor microcavity

Moskalenko Sveatoslav¹, Podlesny Igor¹, Liberman Michael², Novikov Boris³, Kiselyova E.⁴

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² Uppsala University,

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Nanotechnologies and Biomedical Engineering

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Disponibil online 17 June, 2019. Descarcări-0. Vizualizări-657

2014 - 3

Landau quantization of two-dimensional heavy-holes accompanied by Rashba spin-orbit coupling and Zeeman splitting

Podlesny Igor¹, Moskalenko Sveatoslav¹, Dumanov Evgheni¹, Liberman Michael^{2,3}, Leleacov A.¹

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Materials Science and Condensed Matter Physics

Nr. 3(21) / 2005 / ISSN 1810-9551

Disponibil online 25 February, 2019. Descarcări-0. Vizualizări-740

The influence of the Rashba spin-orbit coupling on twodimensional magnetoexciton-polaritons in microcavity

Dumanov Evgheni¹, Moskalenko Sveatoslav¹, Podlesny Igor¹, Liberman Michael^{2,3}, Rusu Spiridon¹, Bajireanu Valentina¹

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Materials Science and Condensed Matter Physics

Nr. 3(21) / 2005 / ISSN 1810-9551

Disponibil online 25 February, 2019. Descarcări-3. Vizualizări-702

Two-dimensional cavity polaritons under the influence of a strong perpendicular magnetic field

Moskalenko Svetoslav¹, Podlesny Igor¹, Dumanov Evgheni¹, Liberman Michael^{2,3}, Rusu Spiridon¹, Bajireanu Valentina¹

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Materials Science and Condensed Matter Physics

Nr. 3(21) / 2005 / ISSN 1810-9551

Disponibil online 22 February, 2019. Descarcări-0. Vizualizări-866

2013 - 3

Exciton-polariton laser

Moskalenko Svetoslav¹, Tiginyanu Ion²

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Nanotechnologies and Biomedical Engineering

Nr. 1(307) / 2009 / ISSN 1857-064X

Disponibil online 20 March, 2018. Descarcări-7. Vizualizări-726

Two-dimensional cavity polaritons under the influence of the Landau quantization, Rashba spin-orbit coupling and Zeeman splitting

Moskalenko Svetoslav¹, Podlesny Igor¹, Dumanov Evgheni¹, Liberman Michael², Lelyakov Igor¹

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Nanotechnologies and Biomedical Engineering

Nr. 1(307) / 2009 / ISSN 1857-064X

Disponibil online 9 April, 2019. Descarcări-0. Vizualizări-767

Dispersion laws of some two-dimensional cavity magnetoexciton-polariton branches

Podlesny Igor, Moskalenko Svetoslav, Dumanov Evgheni, Rusu Spiridon

Institute of Applied Physics, Academy of Sciences of Moldova

Materials Science and Condensed Matter Physics

Nr. 3(4) / 2005 / ISSN 1810-648X / ISSNe 2537-6365

Disponibil online 19 July, 2019. Descarcări-1. Vizualizări-569

2012 - 2

Interaction of the two-dimensional magnetoexcitons with wave vector $K=0$ under the influence of the Rashba spin-orbit coupling and Zeeman splitting effects

Dumanov Evgheni, Moskalenko Svetoslav, Podlesny Igor, Lelyakov Igor

Institute of Applied Physics, Academy of Sciences of Moldova

Materials Science and Condensed Matter Physics

Nr. 3(4) / 2005 / ISSN 1810-648X / ISSNe 2537-6365

Disponibil online 19 July, 2019. Descarcări-0. Vizualizări-703

Interactions and Bound States of the Two-Dimensional Magnetoexcitons

Moskalenko Svetoslav¹, Khadzhi Peter¹, Dumanov Evgheni¹, Podlesny Igor¹, Liberman Michael², Zubac Ion¹

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Multidisciplinarity in Modern Science for the Benefit of Society

Nr. 3(303) / 2007 / ISSN 1857-064X

Disponibil online 15 March, 2018. Descarcări-2. Vizualizări-1016

2011 - 2

Metastable bound states of the two-dimensional quasi-bimagnetoexcitons

Moskalenko Svetoslav¹, Khadzhi Peter¹, Dumanov Evgheni¹, Podlesny Igor¹, Liberman Michael², Zubac Ion¹

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Microelectronics and Computer Science

// ISSN -

Disponibil online 31 October, 2017. Descarcări-3. Vizualizări-928

Two-dimensional para-, ortho- and bi- magnetoexcitons interacting with quantum point vortices

Moskalenko Svetoslav¹, Moskalenko Vsevolod¹, Khadzhi Peter¹, Podlesny Igor¹, Liberman Michael², Zubac Ion¹

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Materials Science and Condensed Matter Physics

Nr. 4(64) / 2008 / ISSN 1810-9136

Disponibil online 14 January, 2019. Descarcări-8. Vizualizări-765

2010 - 2

Superposition States of the Two-Dimensional Magnetoexcitons with Dirac Cone Dispersion Law and Quantum Interference Effects in Optical Transitions

Moskalenko Svetoslav¹, Podlesny Igor¹, Zubac Ion¹, Novikov Boris²

¹ Institute of Applied Physics,

² Institute of Physics, St. Petersburg

Nanotechnologies and Biomedical Engineering

Nr. 1-2(141) / 2006 / ISSN 1957-2294

Disponibil online 1 September, 2020. Descarcări-2. Vizualizări-542

The similarity between two-dimensional magnetoexcitons and the excitons in transition metal dichalcogenides

Moskalenko Svetoslav, Moskalenko Svetoslav, Moskalenko Svetoslav

Institute of Applied Physics

Amorphous and Nanostructured Chalcogenides

Nr. 3 / 2011 / ISSN 1857-4130

Disponibil online 2 September, 2020. Descarcări-0. Vizualizări-484

2006 - 1

Electron structure of the two 2D exciton states

Moskalenko Sveatoslav, Zubac Ion, Guminiuc Anastasia

Institute of Applied Physics

Perspectivile și Problemele Integrării în Spațiul European al Cercetării și Educației

Nr. 3(50) / 2014 / ISSN 0013-5739 / ISSNe 2345-1718

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