

## **Institute of Physics, St. Petersburg**

Lista publicațiilor - 15 articole. [Descărcări](#) - 20. [Vizualizări](#) - 8100.

[Articole în reviste din RM](#) - 3. [Publicații la conferințe din RM](#) - 3. [Publicații peste hotare](#) - 9.

### **2020 - 5**

#### **Optical selection rules for the quantum transitions from the ground state of the crystal to the superposition states of the two-dimensional magnetoexcitons**

*Moskalenko Sveatoslav, Podlesny Igor, Zubac Ion, Novikov Boris*

#### **Advanced Topics in Optoelectronics, Microelectronics and Nanotechnologies**

Nr. 7 / 2007 / ISSN 1857-0224 / ISSN<sub>e</sub> 1857-4432

Disponibil online 4 September, 2020. Descărcări-0. Vizualizări-597

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#### **Superposition states of the two-dimensional magnetoexcitons with dirac cone dispersion law and quantum interference effects in optical transitions**

*Moskalenko Sveatoslav, Podlesny Igor, Zubac Ion, Novikov Boris*

#### **IFMBE Proceedings. 4th International Conference on Nanotechnologies and Biomedical Engineering**

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#### **Symmetric and asymmetric two-dimensional magnetoexciton superposition states in the conditions of strong perpendicular magnetic field**

*Moskalenko Sveatoslav, Podlesny Igor, Zubac Ion, Novikov Boris*

#### **Nanostructures: Physics and Technologies 28th International Symposium**

Nr. 1-2(30) / 2014 / ISSN 1857-3711 / ISSN<sub>e</sub> 2345-1750

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#### **The influence of the exchange electron-hole Coulomb interaction on the formation of superposition states of two-dimensional magnetoexcitons**

*Moskalenko Sveatoslav, Podlesny Igor, Zubac Ion, Novikov Boris*

#### **PLMCN 2020 Online Conference International Conference on Physics of Light-Matter Coupling in Nanostructures**

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#### **Thermodynamics of the ideal two-dimensional magnetoexciton gas with linear dispersion law**

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Nr. 1-2(30) / 2014 / ISSN 1857-3711 / ISSN<sub>e</sub> 2345-1750

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### **2019 - 1**

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

*Moskalenko Sveatoslav, Podlesny Igor, Zubac Ion, Novikov Boris*

## **Nanotechnologies and Biomedical Engineering**

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Disponibil online 1 September, 2020. Descarcări-2. Vizualizări-550

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## **2018 - 1**

### **Two-dimensional biexcitons and cavity polaritons in the strong perpendicular magnetic field**

*Moskalenko Sveatoslav, Khadzhi Peter, Podlesny Igor, Dumanov Evgheni, Liberman Michael, Novikov Boris, Zubac Ion*

### **High Magnetic Fields in Semiconductor PhysicsHMF 23**

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## **2016 - 1**

### **Dispersion laws of the two-dimensional cavity magnetoexciton-polaritons**

*Moskalenko Sveatoslav, Podlesny Igor, Dumanov Evgheni, Liberman Michael, Novikov Boris*

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

*Moskalenko Sveatoslav, Podlesny Igor, Dumanov Evgheni, Liberman Michael, Novikov Boris*

### **Physica Status Solidi (B) Basic Research**

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## **2014 - 1**

### **Bose-einstein condensation of two-dimensional polaritons in microcavity under the influence of the landau quantization and rashba spin-orbit coupling**

*Moskalenko Vsevolod, Dumanov Evgheni, Podlesny Igor, Liberman Michael, Novikov Boris, Rusu Spiridon, Bajireanu Valentina*

### **Moldavian Journal of the Physical Sciences**

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## **2013 - 1**

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

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## 2012 - 2

### **Optical orientation and spin polarization of the electrons and nuclei in semiconductor quantum dots**

*Moskalenko Sveatoslav, Podlesny Igor, Novikov Boris, Lelyakov Igor*

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*Moskalenko Sveatoslav, Liberman Michael, Dumanov Evgheni, Novikov Boris, Kiselyova E., Cerbu Florin*

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

*Moskalenko Sveatoslav, Podlesny Igor, Novikov Boris, Kiselyova E., Lelyakov Igor, Shutova Liudmila*

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

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

*Moskalenko Sveatoslav, Podlesny Igor, Khadzhi Peter, Novikov Boris, Kiselyov Anton*

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Disponibil online 14 November, 2023. Descarcări-0. Vizualizări-100

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Actualizat: 03.07.2024, accesat: 04.07.2024

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

