

## **Dumanov Evgheni**

6. Publicații la manifestări științifice de peste hotare

6.2. Publicații la manifestări științifice indexate în Scopus - 4

**Teze/Rezumate în culegeri - 13.**

### **2017 - 2**

#### **Interactions and Bound States of the Two-Dimensional Magnetoexcitons**

*Moskalenko Svetoslav<sup>1</sup>, Khadzhi Peter<sup>1</sup>, Dumanov Evgheni<sup>1</sup>, Podlesny Igor<sup>1</sup>, Liberman Michael<sup>2</sup>, Zubac Ion<sup>1</sup>*

<sup>1</sup> Institute of Applied Physics, Academy of Sciences of Moldova,

<sup>2</sup> Stockholms Universitet

#### **Multidisciplinarity in Modern Science for the Benefit of Society**

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

Disponibil online 15 March, 2018. Descarcări-2. Vizualizări-1024

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#### **Metastable bound states of the two-dimensional quasi-bimagnetoexcitons**

*Moskalenko Svetoslav<sup>1</sup>, Khadzhi Peter<sup>1</sup>, Dumanov Evgheni<sup>1</sup>, Podlesny Igor<sup>1</sup>, Liberman Michael<sup>2</sup>, Zubac Ion<sup>1</sup>*

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#### **Microelectronics and Computer Science**

// ISSN -

Disponibil online 31 October, 2017. Descarcări-3. Vizualizări-929

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### **2016 - 2**

#### **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

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#### **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**

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Disponibil online 19 July, 2019. Descarcări-0. Vizualizări-714

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### **2015 - 2**

#### **Theoretical study of external cavity diode laser using simulation of modes**

*Dumanov Evgheni<sup>1,2</sup>, Tronciu Vasile<sup>1</sup>, Wenzel Helmut<sup>3</sup>*

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### **Telecommunications, Electronics and Informatics**

Nr. 4(4) / 2005 / ISSN 1857-0011

Disponibil online 17 May, 2018. Descarcări-7. Vizualizări-658

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

*Moskalenko Sveatoslav<sup>1</sup>, Podlesny Igor<sup>1</sup>, Dumanov Evgheni<sup>1</sup>, Liberman Michael<sup>2</sup>, Lelyakov Igor<sup>1</sup>*

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### **Nanotechnologies and Biomedical Engineering**

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

Disponibil online 9 April, 2019. Descarcări-0. Vizualizări-776

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## **2014 - 4**

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

*Podlesny Igor<sup>1</sup>, Moskalenko Sveatoslav<sup>1</sup>, Dumanov Evgheni<sup>1</sup>, Liberman Michael<sup>2,3</sup>, Leleacov A.<sup>1</sup>*

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### **Materials Science and Condensed Matter Physics**

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Disponibil online 25 February, 2019. Descarcări-0. Vizualizări-744

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

*Dumanov Evgheni<sup>1</sup>, Moskalenko Sveatoslav<sup>1</sup>, Podlesny Igor<sup>1</sup>, Liberman Michael<sup>2,3</sup>, Rusu Spiridon<sup>1</sup>, Bajireanu Valentina<sup>1</sup>*

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### **Materials Science and Condensed Matter Physics**

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### **Theoretical study of the modal behaviour of an external cavity diode laser**

*Dumanov Evgheni<sup>1,2</sup>, Tronciu Vasile<sup>2</sup>, Wenzel Helmut<sup>3</sup>*

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### **Materials Science and Condensed Matter Physics**

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Disponibil online 16 March, 2019. Descarcări-1. Vizualizări-612

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

*Moskalenko Sveatoslav<sup>1</sup>, Podlesny Igor<sup>1</sup>, Dumanov Evgheni<sup>1</sup>, Liberman Michael<sup>2,3</sup>, Rusu Spiridon<sup>1</sup>, Bajireanu Valentina<sup>1</sup>*

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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-869

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**2013 - 1**

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

*Dumanov Evgheni<sup>1</sup>, Moskalenko Sveatoslav<sup>1</sup>, Liberman Michael<sup>2,3</sup>, Snoke David W.<sup>4</sup>, Rusu Spiridon<sup>1</sup>, Cerbu Florin<sup>1</sup>*

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<sup>4</sup> University of Pittsburgh

**Nanotechnologies and Biomedical Engineering**

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**2012 - 1**

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

*Moskalenko Sveatoslav<sup>1</sup>, Liberman Michael<sup>2</sup>, Snoke David W.<sup>3</sup>, Dumanov Evgheni<sup>1</sup>, Rusu Spiridon<sup>1</sup>, Cerbu Florin<sup>1</sup>*

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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-699

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**2011 - 1**

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

*Moskalenko Sveatoslav<sup>1</sup>, Liberman Michael<sup>2</sup>, Dumanov Evgheni<sup>1</sup>, Rusu Spiridon<sup>1</sup>, Cerbu Florin<sup>1</sup>*

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## **Nanotechnologies and Biomedical Engineering**

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Disponibil online 18 July, 2019. Descarcări-0. Vizualizări-615

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### **2010 - 1**

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

*Moskalenko Sveatoslav<sup>1</sup>, Liberman Michael<sup>2</sup>, Dumanov Evgheni<sup>1</sup>, Rusu Spiridon<sup>1</sup>, Sanduleac Ionel<sup>1</sup>*

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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

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### **2008 - 2**

#### **Collective elementary excitations of two-dimensional electron-hole system in a strong perpendicular magnetic field**

*Dumanov Evgheni, Colun Sergiu*

Institute of Applied Physics

#### **International Conference of Young Researchers**

Nr. 1-2(12-13) / 2011 / ISSN 1857-2251

Disponibil online 25 May, 2021. Descarcări-0. Vizualizări-376

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#### **Optical properties of CUI<sub>N</sub>7SE<sub>12</sub>**

*Dumanov Evgheni, Colun Sergiu*

Institute of Applied Physics

#### **International Conference of Young Researchers**

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