

## Iovu Maria

Articole în reviste din RM - 5. Publicații la conferințe din RM - 2. Publicații peste hotare - 13.  
Publicații indexate în SCOPUS - 6. Teze/Rezumate în culegeri - 3.

### 2024 - 1

**Академик Андрей Андриеш - основатель школы физики аморфных полупроводников в Молдове**

*Iovu M., Кожокару И.*

Институт прикладной физики, ГУМ

**Электронная обработка материалов**

Vol. 60, Nr. 1 / 2024 / ISSN 0013-5739 / ISSNе 2345-1718

Disponibil online 26 March, 2024. Descarcări-0. Vizualizări-98

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### 2012 - 1

**Photosensible nanocomposites pepc/ana-ch: preparation technique and some optical properties**

*Bordian Olga<sup>1</sup>, Verlan Victor<sup>1</sup>, Iovu Maria<sup>1</sup>, Culeac Ion<sup>1</sup>, Popushoi Ana<sup>2</sup>, Barba Nicanor<sup>2</sup>*

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

<sup>2</sup> Moldova State University

**Moldavian Journal of the Physical Sciences**

Nr. 4(11) / 2012 / ISSN 1810-648X / ISSNе 2537-6365

Disponibil online 30 November, 2013. Descarcări-7. Vizualizări-1445

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### 2011 - 4

**New optical materials based on chalcogenide glasses**

*Yovu M., Benea Vasile, Cojocaru Ion, Kolomeyko Eduard, Tăzlăvan Victor, Iovu Maria*

Institute of Applied Physics, Academy of Sciences of Moldova

**Annual Congress of the American Romanian Academy of Arts and Sciences. Proceedings of the 35th ARA Congress**

Nr. 4(34) / 2017 / ISSN 0882-4096

Disponibil online 12 March, 2024. Descarcări-0. Vizualizări-135

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**New optical materials based on chalcogenide glasses**

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**On the compositional dependence of refractive index in amorphous Ge xAs xSe 1-2x films**



Yovu M.<sup>1</sup>, Benea Vasile<sup>1</sup>, Kolomeyko Eduard<sup>1</sup>, Iovu Maria<sup>1</sup>, Cojocaru Ion<sup>1</sup>, Shpotyuk Oleh<sup>1</sup>, Golovchak Roman<sup>2</sup>

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<sup>2</sup> Scientific Research Company „CARAT”, Livov. Ukraine

## **Journal of Optoelectronics and Advanced Materials**

Vol. 13, / 2011 / ISSN 1454-4164

Disponibil online 27 February, 2024. Descarcări-0. Vizualizări-108

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### **The dependence of optical parameters on composition in the GexAsxSe1-2x glassy system**

*Benea Vasile, Iovu Maria, Cojocaru Ion, Yovu M., Kolomeyko Eduard, Tăzlăvan Victor*

Institute of Applied Physics, Academy of Sciences of Moldova

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

Nr. 1(10) / 2011 / ISSN 1810-648X / ISSNe 2537-6365

Disponibil online 16 December, 2013. Descarcări-8. Vizualizări-1138

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## **2010 - 4**

### **CPPP 3 P The dependence of optical parameters on composition in GexAsxSe1-2x glassy system**

*Benea Vasile, Yovu M., Kolomeyko Eduard, Iovu Maria, Cojocaru Ion, Tăzlăvan Victor*

Institute of Applied Physics

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

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

Disponibil online 16 April, 2021. Descarcări-0. Vizualizări-331

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### **MSP 30P Post-technological structural modification route for network glass-forming systems**

*Shpotyuk M.<sup>1</sup>, Shpotyuk O.<sup>1</sup>, Kovalskyy A.<sup>2</sup>, Iovu Maria<sup>3</sup>, Andriesh Andrei<sup>3</sup>*

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

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Disponibil online 15 April, 2021. Descarcări-0. Vizualizări-353

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### **MSP 6P The study of some luminescent materials on the basis of organic copolymers grafted with isothiocyanatochalcones and phthalocyanine derivatives**

*Robu Stephan V.<sup>1,2</sup>, Dragalina Galina<sup>1</sup>, Popushoi Ana<sup>1</sup>, Mitcov Dmitri<sup>1</sup>, Barba Nicanor<sup>1</sup>, Andriesh Andrei<sup>2</sup>, Culeac Ion<sup>2</sup>, Iovu Maria<sup>2</sup>, Nistor Yu.<sup>2</sup>*

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

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

Disponibil online 15 April, 2021. Descarcări-3. Vizualizări-425

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**Optical properties of GexAsxSe1-2x glasses**  

*Benea Vasile<sup>1</sup>, Yovu M.<sup>1</sup>, Kolomeyko Eduard<sup>1</sup>, Iovu Maria<sup>1</sup>, Cojocaru Ion<sup>1</sup>, Shpotyuk Oleh<sup>2</sup>*

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### **Proceedings of SPIE - The International Society for Optical Engineering**

Nr. 3(91) / 2015 / ISSN 1810-6455

Disponibil online 30 November, 2023. Descarcări-0. Vizualizări-157

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## **2009 - 4**

### **Chalcogenide glasses as materials for ir fibers**

*Andriesh Andrei<sup>1</sup>, Iovu Maria<sup>1</sup>, Shpotyuk Oleh<sup>2</sup>, Culeac Ion<sup>1</sup>*

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

<sup>2</sup> Scientific Research Company „CARAT”, Livov. Ukraine

### **ICT plus “Information and Communication Technologies - 2009”**

Nr. 5(151) / 2013 / ISSN 1811-0770 / ISSNe 2587-411X

Disponibil online 12 October, 2022. Descarcări-3. Vizualizări-522

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### **Light Induced Modification of the Refractive Index of Sb<sub>2</sub>Se<sub>3</sub>:Sn Thin Films**

*Iovu Maria, Harea Diana, Iaseniuc Oxana, Kolomeyko Eduard, Meshalkin Alexei, Yovu M.*

Institute of Applied Physics

### **Microelectronics and Computer Science The 6th International Conference**

Nr. 4(98) / 2016 / ISSN 1810-9136

Disponibil online 11 July, 2023. Descarcări-1. Vizualizări-153

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### **Modification of the optical constants in amorphous Sb<sub>2</sub>Se<sub>3</sub>:Sn thin films under the illumination and heat treatment**

*Harea Diana, Iovu Maria, Iaseniuc Oxana, Kolomeyko Eduard, Meshalkin Alexei, Yovu M.*

Institute of Applied Physics, Academy of Sciences of Moldova

### **Journal of Optoelectronics and Advanced Materials**

Vol. 11, / 2009 / ISSN 1454-4164

Disponibil online 26 February, 2024. Descarcări-0. Vizualizări-108

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### **Optical absorption and photoconductivity of As<sub>2</sub>Se<sub>3</sub>:Sn and Sb<sub>2</sub>Se<sub>3</sub>:Sn thin film structures**

*Iovu Maria<sup>1</sup>, Yovu M.<sup>1</sup>, Vasiliev Ion<sup>1</sup>, Harea Diana<sup>1</sup>, Cojocaru Ion<sup>1</sup>, Kolomeyko Eduard<sup>1</sup>, Shpotyuk Oleh<sup>2</sup>*

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### **Proceedings of SPIE - The International Society for Optical Engineering**

Nr. 2(74) / 2017 / ISSN 1561-4042 / ISSNe 2587-4330

Disponibil online 1 December, 2023. Descarcări-0. Vizualizări-169

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## **2008 - 1**

### **The scientific school of academician A.M. Andriesh**

*Iovu Maria*

Institute of Applied Physics, Academy of Sciences of Moldova

**Moldavian Journal of the Physical Sciences**

Nr. 4(7) / 2008 / ISSN 1810-648X / ISSNe 2537-6365

Disponibil online 16 December, 2013. Descarcări-2. Vizualizări-801

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**2007 - 2**

**Light induced phenomena in amorphous As<sub>100-x</sub>Se<sub>x</sub> and As<sub>40</sub>Se<sub>60</sub>:Sn thin films**

*Iovu Maria, Yovu M., Harea Diana, Kolomeyko Eduard, Ciorbă Valeriu*

Institute of Applied Physics, Academy of Sciences of Moldova

**Proceedings of SPIE - The International Society for Optical Engineering**

// ISSN -

Disponibil online 24 January, 2024. Descarcări-0. Vizualizări-106

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**Modification of refractive index in amorphous As-Se films induced by composition and illumination**

*Yovu M., Harea Diana, Kolomeyko Eduard, Iovu Maria, Ciorbă Valeriu*

Institute of Applied Physics, Academy of Sciences of Moldova

**Proceedings of SPIE - The International Society for Optical Engineering**

Nr. 3(79) / 2013 / ISSN 1810-6455

Disponibil online 4 December, 2023. Descarcări-0. Vizualizări-140

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**2005 - 2**

**Optical photoinduced phenomena and holographic recording in amorphous As-Se thin films**

*Yovu M.<sup>1</sup>, Ciorbă Valeriu<sup>1</sup>, Kolomeyko Eduard<sup>1</sup>, Iovu Maria<sup>1</sup>, Nastase A.<sup>1</sup>, Prisacari A.<sup>1</sup>, Popescu Mihai A.<sup>2</sup>, Shpotyuk Oleh<sup>3</sup>*

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<sup>3</sup> Lviv Scientific Research Institute of Materials, Scientific Research Company Carat

**Journal of Optoelectronics and Advanced Materials**

Vol. 7, / 2005 / ISSN 1454-4164

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**Transient photocurrent in  $\alpha$ -As<sub>2</sub>Se<sub>3</sub> thin films with optical bias**

*Iovu Maria, Harea Diana, Vasiliev Ion, Kolomeyko Eduard, Yovu M.*

Institute of Applied Physics, Academy of Sciences of Moldova

**Proceedings of SPIE - The International Society for Optical Engineering**

Vol. 94, / 2016 / ISSN 2469-9950 / ISSNe 2469-9969

Disponibil online 26 January, 2024. Descarcări-0. Vizualizări-129

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**2003 - 3**

**Photoconductivity of amorphous As<sub>2</sub>S<sub>3</sub>-Sb<sub>2</sub>S<sub>3</sub> thin films**

*Iovu Maria, Yovu M., Shutov Serghei*

Center of Optoelectronics

**Proceedings of SPIE - The International Society for Optical Engineering**

Vol. 27, / 2016 / ISSN 0957-4484

Disponibil online 30 January, 2024. Descarcări-2. Vizualizări-119

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**Photoconductivity relaxation in amorphous As-Se thin films doped with Sn, Mn, Sm and Dy**

*Iovu Maria, Yovu M., Kolomeyko Eduard*

Center of Optoelectronics

**Journal of Optoelectronics and Advanced Materials**

Vol. 5, / 2003 / ISSN 1454-4164

Disponibil online 22 February, 2024. Descarcări-0. Vizualizări-104

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**Semiconductoare necristaline pentru tehnologii optoelectronice avansate**

*Iovu Maria*

Academia de Științe a Moldovei

**Fizica și Tehnologiile Moderne**

Nr. 3(3) / 2003 / ISSN 1810-6498 / ISSN<sub>e</sub> 2537-6349

Disponibil online 30 November, 2013. Descarcări-5. Vizualizări-828

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**2001 - 1**

**Photoconductivity and transport properties of As-Se thin films**

*Iovu Maria, Yovu M., Shutov Serghei, Kolomeyko Eduard, Rebeja S.*

Institute of Applied Physics, Academy of Sciences of Moldova

**Journal of Optoelectronics and Advanced Materials**

Vol. 3, / 2001 / ISSN 1454-4164

Disponibil online 22 February, 2024. Descarcări-0. Vizualizări-86

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