

5. Publicații la manifestări din RM

5.4. Teze / rezumate în culegerile de la alte manifestări din RM - 31

## **2016 - 13**

### **Femtosecond-induced dynamics in thin dichalcogenide layers**

*Ilyin Nikita, Brekhov Kirill, Shestakova Anastasia, Grishunin K., Mishina E.*

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

Nr. 3(4) / 2005 / ISSN 1810-648X / ISSN<sub>e</sub> 2537-6365

Disponibil online 31 July, 2019. Descărcări-2. Vizualizări-647

---

### **Hysteresis-free magnetoelectric dc magnetic field sensor**

*Ekonomov N., Burdin D., Chashin D., Fetisov Y.*

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

Nr. 3(4) / 2005 / ISSN 1810-648X / ISSN<sub>e</sub> 2537-6365

Disponibil online 2 August, 2019. Descărcări-0. Vizualizări-462

---

### **Laser-induced structural modification in ferroelectrics**

*Elshin A., Mishina E.*

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

Nr. 3(4) / 2005 / ISSN 1810-648X / ISSN<sub>e</sub> 2537-6365

Disponibil online 29 July, 2019. Descărcări-0. Vizualizări-587

---

### **Low-temperature GaAs for generation and detection of terahertz radiation**

*Bilyk V., Buryakov A., Pushkarev S.*

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

Nr. 3(4) / 2005 / ISSN 1810-648X / ISSN<sub>e</sub> 2537-6365

Disponibil online 2 August, 2019. Descărcări-2. Vizualizări-657

---

### **Magnetoelectric properties in oxide multilayer heterostructures YFeO<sub>3</sub> / LaFeO<sub>3</sub>**

*Buryakov A., Mishina E., Alaria J., Borisov P., Dyer M., Manning T., Lepadatu S., Cain M.*

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

Nr. 3(4) / 2005 / ISSN 1810-648X / ISSN<sub>e</sub> 2537-6365

Disponibil online 1 August, 2019. Descărcări-1. Vizualizări-855

---

### **Optics of 2D transition metal dichalcogenides**

*Mishina E., Kulyuk Leonid*

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

Nr. 3(4) / 2005 / ISSN 1810-648X / ISSN<sub>e</sub> 2537-6365

Disponibil online 19 July, 2019. Descărcări-0. Vizualizări-645

---

**Physics and chemistry of WS<sub>2</sub> deposited on a substrate: the route for efficient performance**

*Shestakova Anastasia, Lavrov Sergey, Mishina E., Nikorich Andrey V., Nicorici Valentina, Kulyuk Leonid*

**Materials Science and Condensed Matter Physics**

Nr. 3(4) / 2005 / ISSN 1810-648X / ISSN<sub>e</sub> 2537-6365

Disponibil online 2 August, 2019. Descarcări-5. Vizualizări-858

---

**Piezoelectric energy harvester**

*Chashin D., Fetisov L., Fetisov Y., Shamonin M.*

**Materials Science and Condensed Matter Physics**

Nr. 3(4) / 2005 / ISSN 1810-648X / ISSN<sub>e</sub> 2537-6365

Disponibil online 2 August, 2019. Descarcări-5. Vizualizări-525

---

**Second harmonic generation in nanoscale films of transition metal dichalcogenide: accounting for multipath interference**

*Kudryavtsev Andrei, Lavrov Sergey, Shestakova Anastasia, Kulyuk Leonid, Mishina E.*

**Materials Science and Condensed Matter Physics**

Nr. 3(4) / 2005 / ISSN 1810-648X / ISSN<sub>e</sub> 2537-6365

Disponibil online 31 July, 2019. Descarcări-0. Vizualizări-714

---

**Switching of ferroelectric polarization in planar structures BST/BFO studied by nonlinear optical microscopy**

*Shestakova Anastasia, Lavrov Sergey, Sherstyuk N., Mishina E.*

**Materials Science and Condensed Matter Physics**

Nr. 3(4) / 2005 / ISSN 1810-648X / ISSN<sub>e</sub> 2537-6365

Disponibil online 30 July, 2019. Descarcări-2. Vizualizări-680

---

**The optical second harmonic generation under the terahertz pulses in the strontium titanate crystal SrTiO<sub>3</sub>**

*Grishunin K., Ilyin Nikita, Ovchinnikov A., Chefonov O., Sherstyuk N.*

**Materials Science and Condensed Matter Physics**

Nr. 3(4) / 2005 / ISSN 1810-648X / ISSN<sub>e</sub> 2537-6365

Disponibil online 31 July, 2019. Descarcări-1. Vizualizări-642

---

**The temperature dependence of Sn<sub>2</sub>P<sub>2</sub>S<sub>6</sub> crystal nonlinear optical response study by the time-resolution spectroscopy technique**

*Brekhov Kirill, Grishunin K.*

**Materials Science and Condensed Matter Physics**

Nr. 3(4) / 2005 / ISSN 1810-648X / ISSN<sub>e</sub> 2537-6365

Disponibil online 29 July, 2019. Descarcări-5. Vizualizări-672

---

**Ultrafast carrier dynamics in LT-GAAS doped by δ-Si**

*Khusyainov D., Dekeyser C.*

**Materials Science and Condensed Matter Physics**

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

Disponibil online 5 August, 2019. Descarcări-1. Vizualizări-651

---

## 2014 - 9

### **Distribution of spontaneous polarization in perforated ferroelectric films**

*Sherstyuk N., Brekhov Kirill, Lavrov Sergey, Mishina E.*

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

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

Disponibil online 11 March, 2019. Descarcări-0. Vizualizări-755

---

### **Ferroelectric microstructure formation in amorphous thin films by femtosecond laser annealing**

*Elshin A., Firsova N., Mishina E.*

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

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

Disponibil online 27 February, 2019. Descarcări-0. Vizualizări-495

---

### **Investigating the effect of induced optical inhomogeneity in ferroelectric crystal semiconductor Sn<sub>2</sub>P<sub>2</sub>S<sub>6</sub> by optical second harmonic generation method**

*Brekhov Kirill, Ilin N., Grishunin K., Bolotov A., Mishina E.*

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

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

Disponibil online 3 March, 2019. Descarcări-1. Vizualizări-718

---

### **Investigation of nonlinear optical properties of glycine microcrystals by the method of confocal nonlinear optical microscopy**

*Kudryavtsev Andrei*

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

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

Disponibil online 26 February, 2019. Descarcări-0. Vizualizări-644

---

### **Magnetoelectric effect in bilayer composites: temperature dependencies**

*Burdin D., Chashin D., Ekonomov N., Fetisov Y.*

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

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

Disponibil online 4 March, 2019. Descarcări-0. Vizualizări-519

---

### **Magnetostriction of ferromagnet in AC magnetic field**

*Ekonomov N., Burdin D., Chashin D., Fetisov Y.*

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

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

Disponibil online 4 March, 2019. Descarcări-0. Vizualizări-496

---

### **Modeling of two-dimensional photonic crystals based on BST ferroelectric thin films**

*Grishunin K., Sherstyuk N.*

**Materials Science and Condensed Matter Physics**

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

Disponibil online 12 March, 2019. Descarcări-2. Vizualizări-587

---

**Second harmonic generation in oxide multilayer heterostructures YFeO<sub>3</sub>/LaFeO<sub>3</sub>**

*Buryakov A., Mishina E., Alaria J., Borisov P., Dyer M., Manning T., Lepadatu S., Cain M.*

**Materials Science and Condensed Matter Physics**

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

Disponibil online 4 March, 2019. Descarcări-2. Vizualizări-753

---

**Three-dimensional observations of polar domain structures using a second harmonic generation microscopy**

*Lavrov Sergey, Mishina E., Volk T., Kokhanchik L.*

**Materials Science and Condensed Matter Physics**

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

Disponibil online 27 February, 2019. Descarcări-5. Vizualizări-628

---

**2012 - 7**

**Complex oxide planar nanostructures for optoelectronics and telecommunications**

*Mishina E.*

**Materials Science and Condensed Matter Physics**

Nr. 2(17) / 2006 / ISSN 1810-1852 / ISSN<sub>e</sub> 1810-1879

Disponibil online 27 March, 2020. Descarcări-0. Vizualizări-398

---

**CPPP 2 P Switching of ferroelectric polarization in planar structures BST/NBFO studied by scanning near-field optical microscopy**

*Brekhov Kirill, Lavrov Sergey, Sherstyuk N., Mishina E., Muhortov V.*

**Materials Science and Condensed Matter Physics**

Nr. 2(17) / 2006 / ISSN 1810-1852 / ISSN<sub>e</sub> 1810-1879

Disponibil online 19 March, 2020. Descarcări-0. Vizualizări-663

---

**CPPP 53P Optical properties of photonic crystal waveguides based on GaAs, Si and ferroelectric thin films**

*Ilyin Nikita, Dobritsky A., Sherstyuk N., Mishina E.*

**Materials Science and Condensed Matter Physics**

Nr. 2(17) / 2006 / ISSN 1810-1852 / ISSN<sub>e</sub> 1810-1879

Disponibil online 23 March, 2020. Descarcări-0. Vizualizări-565

---

**CPPP 54P P Electrophysical investigation of the electron tunnelin hrough ferroelectric/manganite junction**

*Ivanov M., Buryakov A., Mishina E.*

**Materials Science and Condensed Matter Physics**

Nr. 2(17) / 2006 / ISSN 1810-1852 / ISSN<sub>e</sub> 1810-1879

Disponibil online 23 March, 2020. Descarcări-1. Vizualizări-453

---

**Femtosecond laser annealing of ferroelectric PZT films on a metal substrate: nonlinear optical and piezo-force microscopy studies**

*Firsova N., Mishina E., Senkevich S., Pronin I.*

**Materials Science and Condensed Matter Physics**

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

Disponibil online 9 March, 2020. Descarcări-1. Vizualizări-528

---

**NNN 20 P Nonlinear qualities of ZnO nanostructures.**

*Shvyrkov K., Kedryavtsev A., Lavrov Sergey, Sherstyuk N., Mishina E., Rusu Emil, Kulyuk Leonid*

**Materials Science and Condensed Matter Physics**

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

Disponibil online 25 March, 2020. Descarcări-1. Vizualizări-738

---

**Two-photon near-field and confocal optics of bio-inspired peptide nanostructures**

*Kudryavtsev Andrei, Mishina E., Lavrov Sergey, Handelman A., Rosenman G.*

**Materials Science and Condensed Matter Physics**

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

Disponibil online 23 March, 2020. Descarcări-2. Vizualizări-739

---

**2010 - 2**

**CPPP 36 P Ferroelectric polarization switching in ferroelectric thin films and planar structures**

*Sherstyuk N., Ilyin Nikita, Muhortov V., Mishina E.*

**Materials Science and Condensed Matter Physics**

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

Disponibil online 19 April, 2021. Descarcări-0. Vizualizări-392

---

**Femtosecond dynamics of surface plasmons-polaritons in planar plasmonic crystals in the vicinity of band-gap**

*Sychev F., Vabishchevich P., Bessonov V., Shcherbakov M., Dolgova T., Fedyanin A., Mishina E., Sigov Aleksander*

**Materials Science and Condensed Matter Physics**

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

Disponibil online 16 April, 2021. Descarcări-3. Vizualizări-364

---

