2020 - 1

**Electrochemical nanostructuring of (111) oriented GaAs crystals: From porous structures to nanowires**

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2017 - 1

**Synthesis and characterization of photosensible CH₃NH₃PbI₃ and CH₃NH₃PbI₃-xClₓ perovskite crystalline films**

Pleşco Irina¹, Postolache Vitalie¹, Volodina Galina², Zalamaı Victor³, Ghimpu Lidia⁴, Tiginyanu Ion¹⁴  
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**Surface Engineering and Applied Electrochemistry**  
Nr. 1(53) / 2017 / ISSN 1068-3755 / ISSNe 1934-8002  
Disponibil online 16 December, 2017. Descarcări-6. Vizualizări-262

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2016 - 8

**A comparative study of photoconductivity decay in granular and nanowire ZnO**

Postolache Vitalie  
Technical University of Moldova

**Moldavian Journal of the Physical Sciences**  
Nr. 3-4(15) / 2016 / ISSN 1810-648X / ISSNe 2537-6365  
Disponibil online 26 January, 2017. Descarcări-2. Vizualizări-250

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**A comparative study of photoconductivity decay in ZnO-based MSM structures and nanowires**

Rusu Emil¹, Postolache Vitalie², Curmei Nicolai¹, Ursaki Veacheslav¹  
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Disponibil online 26 January, 2017. Descarcări-5. Vizualizări-327

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**Light-Induced Motion of Microengines Based on Microarrays of TiO₂ Nanotubes**
Light-induced motion of microengines based on microarrays of TiO2 nanotubes

Ciobanu Vladimir¹, Guix Maria², Enachi Mihail¹, Postolache Vitalie¹, Fomin Vladimir², Schmidt Oliver², Tiginyanu Ion¹

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Health Technology Management
3rd International Conference

Nr. 1(43) / 2009 / ISSN 1810-9551

Luminescence of porous semiconductor media covered with metallic films

Postolache Vitalie

Technical University of Moldova

Moldavian Journal of the Physical Sciences

Nr. 3-4(15) / 2016 / ISSN 1810-648X / ISSNe 2537-6365

Magnetic properties of microwires and filiform nanostructures with elongated magnetic inclusions

Aleinicov Evghenii¹, Ioişer Anatolii¹, Makhnovskiy Dmitriy², Postolache Vitalie³, Tiginyanu Ion³, Ursaki Veacheslav⁴

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Surface Engineering and Applied Electrochemistry

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Strong light scattering and broadband (UV to IR) photoabsorption in stretchable 3D hybrid architectures based on Aerographite decorated by ZnO nanocrystallites

Tiginyanu Ion¹², Ghimpu Lidia¹², Grottrup Jorit³, Postolache Vitalie¹², Mecklenburg Matthias⁴, Stevens-Kalceff MarionA⁵, Ursaki Veacheslav¹², Payami Nader⁶, Feidenhansl Robert K.⁶, Schulte K.⁴, Adelung Rainer⁵, Mishra Yogendra Kumar³

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Strong light scattering and broadband (UV to IR) photoabsorption in stretchable 3D hybrid architectures based on Aerographite decorated by ZnO nanocrystallites

Tiginyanu Ion\textsuperscript{12}, Ghimpu Lidia\textsuperscript{12}, Grottrup Jorit\textsuperscript{3}, Postolache Vitalie\textsuperscript{12}, Mecklenburg Matthias\textsuperscript{4}, Stevens-Kalceff Marion\textsuperscript{3}, Ursaki Veacheslav\textsuperscript{12}, Payami Nader\textsuperscript{6}, Feidenhansl Robert K.\textsuperscript{6}, Schulte K.\textsuperscript{4}, Adelung Rainer\textsuperscript{3}, Mishra Yogendra Kumar\textsuperscript{3}

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Nr. 6 / 2016 / ISSN 2045-2322
Disponibil online 20 March, 2018. Descarcări-1. Vizualizări-223

Control of persistent photoconductivity in nanostructured InP through morphology design

Monaico Eduard\textsuperscript{12}, Postolache Vitalie\textsuperscript{1}, Borodin Eugeniu\textsuperscript{1}, Ursaki Veacheslav\textsuperscript{1}, Lupan Oleg\textsuperscript{14}, Adelung Rainer\textsuperscript{4}, Nielsch Kornelius\textsuperscript{2}, Tiginyanu Ion\textsuperscript{13}

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Disponibil online 18 December, 2017. Descarcări-0. Vizualizări-221

Photocatalytic Properties of TiO\textsubscript{2} Nanotubes Doped with Ag, Au and Pt or Covered by Ag, Au and Pt Nanodots

Enachi Mihail\textsuperscript{1}, Guix Maria\textsuperscript{2}, Branişte Tudor\textsuperscript{4}, Postolache Vitalie\textsuperscript{1}, Ciobanu Vladimir\textsuperscript{4}, Ursaki Veacheslav\textsuperscript{1}, Schmidt Oliver\textsuperscript{2}, Tiginyanu Ion\textsuperscript{13}

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Photocatalytic properties of TiO\textsubscript{2} nanotubes doped with Ag, Au and Pt or covered by Ag, Au and Pt nanodots

Enachi Mihail\textsuperscript{1}, Guix Maria\textsuperscript{2}, Branişte Tudor\textsuperscript{4}, Postolache Vitalie\textsuperscript{1}, Ciobanu Vladimir\textsuperscript{4}, Ursaki Veacheslav\textsuperscript{1}, Schmidt Oliver\textsuperscript{2}, Tiginyanu Ion\textsuperscript{13}
2014 - 2

**Fabrication of TiO2 nanotubular membranes opened from both ends by electrochemical anodization technique**

Ciobanu Vladimir¹, Enachi Mihail¹, Postolache Vitalie¹, Tiginyanu Ion²

¹ Technical University of Moldova,
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Nr. 2 / 2014 / ISSN 1857-0437

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**Photoconductivity relaxation in nanostructured InP**

Postolache Vitalie¹, Monaico Eduard¹², Borodin Eugeniu¹, Lupan Oleg¹³, Ursaki Veacheslav⁴, Adelung Rainer⁵, Nielsk Kornelius⁶, Tiginyanu Ion⁷

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**Microelectronics and Computer Science**

The 8th International Conference

Nr. 1(8) / 2009 / ISSN 1810-648X / ISSNe 2537-6365

Disponibil online 11 April, 2019. Descarcări-1. Vizualizări-134

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2013 - 2

**Comparative study of persistent photoconductivity in GaP and GaN nanostructures**

Postolache Vitalie

Technical University of Moldova

**Nanotechnologies and Biomedical Engineering**

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

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**Relaxation of photoconductivity and persistent photoconductivity in TiO nanotubes**

Enachi Mihail, Braniste Tudor, Borodin Eugeniu, Postolache Vitalie

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**Nanotechnologies and Biomedical Engineering**

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

Disponibil online 14 June, 2019. Descarcări-0. Vizualizări-96

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2012 - 2

Filiform nanostructure technologies based on microwire stretching

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**Journal of Nanoelectronics and Optoelectronics**

Nr. 7(7) / 2012 / ISSN 1555-130X

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Yellow luminescence and optical quenching of photoconductivity in ultrathin suspended GaN membranes produced by surface charge lithography

**Popa Veaceslav**, Braniște Tudor, Stevens-Kalceff MarionA, Gerthsen Dagmar, Brenner Patrice, Postolache Vitalie, Ursaki Veacheslav, Tiginyanu Ion

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Disponibil online 23 March, 2018. Descarcări-1. Vizualizări-219

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2011 - 3

Integration of Ge Nanowire Arrays in Glass Micro Fibers

**Ioïşer Anatolii**, Badinter Efim, Monaico Eduard, **Postolache Vitalie**, Hartnagel Hans Ludwig, Leporda Nicolae, Tiginyanu Ion

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Disponibil online 13 December, 2013. Descarcări-1. Vizualizări-547

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Integration of Ge Nanowire Arrays in Glass Micro-Fibers

**Ioïşer Anatolii**, Badinter Efim, Monaico Elena, Postolache Vitalie, Hartnagel Hans Ludwig, Leporda Nicolae, Tiginyanu Ion

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Электронная обработка материалов

Nr. 2(47) / 2011 / ISSN 0013-5739 / ISSNe 2345-1718

Disponibil online 24 March, 2017. Descarcări-3. Vizualizări-241
**Perspectives of single cast nanowires technology**

*Ioișer Anatolii¹, Badinter Efim¹, Leporda Nicolae², Postolache Vitalie¹, Monaico Eduard³, Tiginyanu Ion²*

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**Nanotechnologies and Biomedical Engineering**

Nr. 2-3(37) / 2006 / ISSN 1810-6455
Disponibil online 3 July, 2019. Descarcări-0. Vizualizări-104

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**2010 - 2**

**Exceptional integration of metal or semimetal nanowires in human-hair-like glass fiber**

*Badinter Efim¹, Ioișer Anatolii¹, Monaico Eduard², Postolache Vitalie³, Tiginyanu Ion²³*

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Nr. 17(64) / 2010 / ISSN 0167-577X
Disponibil online 29 March, 2018. Descarcări-0. Vizualizări-211

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**Nanostructured ZnO produced from ZnTe for random laser applications**

*Zalamai Victor¹, Burlacu Alexandru², Postolache Vitalie³, Rusu Emil², Ursaki Veacheslav¹, Tiginyanu Ion²³*

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**Moldavian Journal of the Physical Sciences**

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Disponibil online 4 December, 2013. Descarcări-2. Vizualizări-535

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**2009 - 1**

**Whispering gallery modes and random lasing in ZnO microstructures**

*Ursaki Veacheslav¹, Burlacu Alexandru¹², Rusu Emil², Postolache Vitalie³, Tiginyanu Ion²³*

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² Institute of the Electronic Engineering and Nanotechnologies “D. Ghitu” of the Academy of Sciences of Moldova,
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**2007 - 1**

**Investigation of energetic states, determined by Cu and Cd Impurity atoms, at surface of GaS and GaSe monocrystalline layers**
