

# Mikhail Shestakov

## List of Publications by Citations

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19  
papers

417  
citations

13  
h-index

19  
g-index

19  
ext. papers

494  
ext. citations

4.1  
avg, IF

3.14  
L-index

#	Paper	IF	Citations
19	Ag nanocluster functionalized glasses for efficient photonic conversion in light sources, solar cells and flexible screen monitors. <i>Nanoscale</i> , <b>2013</b> , 5, 10065-75	7.7	89
18	Nonlinear Optical Properties of Ag Nanoclusters and Nanoparticles Dispersed in a Glass Host. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 15995-16002	3.8	58
17	Wavelength-Dependent Nonlinear Optical Properties of Ag Nanoparticles Dispersed in a Glass Host. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 27580-27589	3.8	29
16	Ultraviolet-driven white light generation from oxyfluoride glass co-doped with Tm <sup>3+</sup> -Tb <sup>3+</sup> -Eu <sup>3+</sup> . <i>Applied Physics Letters</i> , <b>2013</b> , 102, 161916	3.4	29
15	Preparation, structural and optical characterization of nanocrystalline ZnO doped with luminescent Ag-nanoclusters. <i>Optical Materials Express</i> , <b>2012</b> , 2, 723	2.6	27
14	Quantum cutting in Li (770 nm) and Yb (1000 nm) co-dopant emission bands by energy transfer from the ZnO nano-crystalline host. <i>Optics Express</i> , <b>2011</b> , 19, 15955-64	3.3	25
13	Visible-to-UV/Violet Upconversion Dynamics in Er <sup>3+</sup> -Doped Oxyfluoride Nanoscale Glass Ceramics. <i>Advanced Optical Materials</i> , <b>2013</b> , 1, 747-752	8.1	23
12	Oxyfluoride glass (SiO <sub>2</sub> -PbF <sub>2</sub> ) co-doped with Ag nanoclusters and Tm <sup>3+</sup> ions for UV-driven, Hg-free, white light generation with a tuneable tint. <i>Optical Materials Express</i> , <b>2014</b> , 4, 1227	2.6	19
11	Energy-transfer luminescence of a zinc oxide/ytterbium oxide nanocomposite. <i>RSC Advances</i> , <b>2012</b> , 2, 8783	3.7	19
10	Quantum Chemistry Modeling of Luminescence Kinetics of Ag Nanoclusters Dispersed in Glass Host. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 7796-7800	3.8	19
9	The size and structure of Ag particles responsible for surface plasmon effects and luminescence in Ag homogeneously doped bulk glass. <i>Journal of Applied Physics</i> , <b>2013</b> , 114, 073102	2.5	19
8	Lead silicate glass SiO <sub>2</sub> -PbF <sub>2</sub> doped with luminescent Ag nanoclusters of a fixed site. <i>RSC Advances</i> , <b>2014</b> , 4, 20699	3.7	16
7	Effect of textured seeds on the morphology and optical properties of solution- and vapor-grown ZnO nanorod arrays. <i>Inorganic Materials</i> , <b>2012</b> , 48, 469-475	0.9	16
6	Theory of the kinetics of luminescence and its temperature dependence for Ag nanoclusters dispersed in a glass host. <i>Physical Chemistry Chemical Physics</i> , <b>2013</b> , 15, 15949-53	3.6	10
5	Modern bio and chemical sensors and neuromorphic devices based on organic semiconductors. <i>Russian Chemical Reviews</i> , <b>2020</b> , 89, 1483-1506	6.8	8
4	Plasmonic Dicke Effect in Ag-Nanoclusters-Doped Oxyfluoride Glasses. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 20051-20056	3.8	7
3	Synchronous Temperature and Magnetic Field Dual-Sensing by Luminescence in a Dysprosium Single-Molecule Magnet. <i>Advanced Optical Materials</i> , <b>2021</b> , 9, 2101495	8.1	3

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| 2 | Luminescence of fixed site Ag nanoclusters in a simple oxyfluoride glass host and plasmon absorption of amorphous Ag nanoparticles in a complex oxyfluoride glass host <b>2015</b> , | 1    |
| 1 | Mechanism of millisecond lifetime luminescence of Li nanoclusters dispersed in ZnO:Li nanocrystals. <i>Optical Materials</i> , <b>2013</b> , 35, 638-643                             | 33 0 |