Mikhail Shestakov

List of Publications by Year
in descending order

19	550	566801 15	839053 18
papers	citations	h-index	g-index

19	19	19	761
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ag nanocluster functionalized glasses for efficient photonic conversion in light sources, solar cells and flexible screen monitors. Nanoscale, 2013, 5, 10065.	2.8	109
2	Nonlinear Optical Properties of Ag Nanoclusters and Nanoparticles Dispersed in a Glass Host. Journal of Physical Chemistry C, 2014, 118, 15995-16002.	1.5	75
3	Wavelength-Dependent Nonlinear Optical Properties of Ag Nanoparticles Dispersed in a Glass Host. Journal of Physical Chemistry C, 2017, 121, 27580-27589.	1.5	45
4	Ultraviolet-driven white light generation from oxyfluoride glass co-doped with Tm3+-Tb3+-Eu3+. Applied Physics Letters, 2013, 102, .	1.5	32
5	Preparation, structural and optical characterization of nanocrystalline ZnO doped with luminescent Ag-nanoclusters. Optical Materials Express, 2012, 2, 723.	1.6	29
6	Visibleâ€toâ€UV/Violet Upconversion Dynamics in Er³⁺â€Doped Oxyfluoride Nanoscale Glass Ceramics. Advanced Optical Materials, 2013, 1, 747-752.	3.6	28
7	Quantum cutting in Li (770 nm) and Yb (1000 nm) co-dopant emission bands by energy transfer from the ZnO nano-crystalline host. Optics Express, 2011, 19, 15955.	1.7	26
8	Oxyfluoride glass (SiO_2-PbF_2) co-doped with Ag nanoclusters and Tm^3+ ions for UV-driven, Hg-free, white light generation with a tuneable tint. Optical Materials Express, 2014, 4, 1227.	1.6	26
9	The size and structure of Ag particles responsible for surface plasmon effects and luminescence in Ag homogeneously doped bulk glass. Journal of Applied Physics, 2013, 114, .	1.1	25
10	Quantum Chemistry Modeling of Luminescence Kinetics of Ag Nanoclusters Dispersed in Glass Host. Journal of Physical Chemistry C, 2013, 117, 7796-7800.	1.5	24
11	Synchronous Temperature and Magnetic Field Dualâ€Sensing by Luminescence in a Dysprosium Singleâ€Molecule Magnet. Advanced Optical Materials, 2021, 9, 2101495.	3.6	24
12	Energy-transfer luminescence of a zinc oxide/ytterbium oxide nanocomposite. RSC Advances, 2012, 2, 8783.	1.7	23
13	Lead silicate glass SiO2â€“PbF2 doped with luminescent Ag nanoclusters of a fixed site. RSC Advances, 2014, 4, 20699.	1.7	21
14	Effect of textured seeds on the morphology and optical properties of solution- and vapor-grown ZnO nanorod arrays. Inorganic Materials, 2012, 48, 469-475.	0.2	19
15	Modern bio and chemical sensors and neuromorphic devices based on organic semiconductors. Russian Chemical Reviews, 2020, 89, 1483-1506.	2.5	19
16	Theory of the kinetics of luminescence and its temperature dependence for Ag nanoclusters dispersed in a glass host. Physical Chemistry Chemical Physics, 2013, 15, 15949.	1.3	14
17	Plasmonic Dicke Effect in Ag-Nanoclusters-Doped Oxyfluoride Glasses. Journal of Physical Chemistry C, 2015, 119, 20051-20056.	1.5	9
18	Mechanism of millisecond lifetime luminescence of Li nanoclusters dispersed in ZnO:Li nanocrystals. Optical Materials, 2013, 35, 638-643.	1.7	1

#	Article	IF	Citations
19	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. , 2015, , .		1