

Yulia Kuznetsova

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

353
citations

933264

10
h-index

839398

18
g-index

30
all docs

30
docs citations

30
times ranked

395
citing authors

#	ARTICLE	IF	CITATIONS
1	Energy gaps, refractive index and photon emission from point defects in copper-doped Gd ₂ O ₃ nanocrystalline films. <i>Journal of Alloys and Compounds</i> , 2022, 904, 163872.	2.8	9
2	Temperature-dependent luminescence of intrinsic defects and excitons in nanocrystalline monoclinic Y ₂ O ₃ films. <i>Journal of Luminescence</i> , 2022, 250, 119102.	1.5	3
3	The high refractive index of Gd ₂ O ₃ thin films obtained by magnetron sputtering. <i>Optical Materials</i> , 2021, 120, 111382.	1.7	7
4	Excited states of modified oxygen-deficient centers and Si quantum dots in Gd-implanted silica glasses: Emission dynamics and lifetime distributions. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 23184-23195.	1.3	3
5	Kinetic selection of nonradiative excitation in photonic nanoparticles Gd ₂ O ₃ :Er. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 6818-6825.	1.3	9
6	Fabrication of (Y _{0.95} Eu _{0.05}) ₂ O ₃ phosphors with enhanced properties by co-precipitation of layered rare-earth hydroxide. <i>Journal of Alloys and Compounds</i> , 2019, 805, 258-266.	2.8	21
7	Synthesis and Properties of (Ca/Sr) _{1-x} Bi _{2x} MoO ₄ Solid Solutions. <i>Inorganic Materials</i> , 2019, 55, 1020-1025.	0.2	6
8	Intrinsic Defect-Assisted UV-Visible Energy Conversion in Gd ₂ O ₃ :Er Nanoparticles. <i>Physica Status Solidi (B): Basic Research</i> , 2019, 256, 1800356.	0.7	2
9	Local atomic configurations, energy structure, and optical properties of implantation defects in Gd-doped silica glass: An XPS, PL, and DFT study. <i>Journal of Alloys and Compounds</i> , 2019, 796, 77-85.	2.8	10
10	Synthesis and luminescence properties of yttrium oxide ceramics with a variable europium content. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	2
11	Creation of Si quantum dots in a silica matrix due to conversion of radiation defects under pulsed ion-beam exposure. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 25467-25473.	1.3	5
12	Luminescence at VUV-excitation of oxygen-deficient centers in silica glass implanted with 80 keV Re-ions. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	1
13	Electronic Structure and Optical Absorption in Gd-Implanted Silica Glasses. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2019, 216, 1800522.	0.8	10
14	Down-conversion of UV radiation in erbium-doped gadolinium oxide nanoparticles. <i>Applied Materials Today</i> , 2018, 12, 34-42.	2.3	26
15	Interband optical transitions in Gd ₂ O ₃ :Er nanoparticles – prospective system for energy converters. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 292, 012047.	0.3	10
16	Electronic structure, charge transfer, and intrinsic luminescence of gadolinium oxide nanoparticles: Experiment and theory. <i>Applied Surface Science</i> , 2018, 436, 697-707.	3.1	63
17	Optical properties and energy band parameters of luminescent CaMoO ₄ :Bi ceramics. <i>Journal of Physics: Conference Series</i> , 2018, 1124, 051005.	0.3	1
18	The ways to improve the energy conversion efficiency in erbium-doped Gd ₂ O ₃ nanoparticles. <i>Journal of Physics: Conference Series</i> , 2018, 1124, 041013.	0.3	0

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19	Up-conversion emission in Gd ₂ O ₃ doped with RE-ions. AIP Conference Proceedings, 2018, , .	0.3	0
20	Upconversion Luminescence of Gd ₂ O ₃ Nanocrystals Doped with Er ³⁺ and Yb ³⁺ Ions. Technical Physics Letters, 2018, 44, 622-625.	0.2	9
21	Atomic structure, electronic states, and optical properties of epitaxially grown $\hat{\Gamma}^2$ -Ga ₂ O ₃ layers. Superlattices and Microstructures, 2018, 120, 90-100.	1.4	60
22	Characteristic features of optical absorption for Gd ₂ O ₃ and NiO nanoparticles. Journal of Nanoparticle Research, 2017, 19, 1.	0.8	10
23	Optical properties and energy parameters of Gd ₂ O ₃ and Gd ₂ O ₃ :Er nanoparticles. Journal of Physics: Conference Series, 2017, 917, 062001.	0.3	20
24	UV absorption and effects of local atomic disordering in the nickel oxide nanoparticles. Journal of Luminescence, 2017, 183, 135-142.	1.5	14
25	Energy conversion of X-ray, ultraviolet and infrared radiation in Gd ₂ O ₃ crystals doped with Er ³⁺ ions. AIP Conference Proceedings, 2017, , .	0.3	8
26	Energy transfer in Gd ₂ O ₃ :Er nanoparticles applying as a down-conversion layer for solar cell. Journal of Physics: Conference Series, 2017, 917, 052015.	0.3	9
27	Luminescence of rare-earth ions and intrinsic defects in Gd ₂ O ₃ matrix. Journal of Physics: Conference Series, 2016, 741, 012089.	0.3	10
28	Photosensitive Defects in Gd ₂ O ₃ – Advanced Material for Solar Energy Conversion. Energy Procedia, 2016, 102, 144-151.	1.8	21
29	Photoluminescence of Gd ₂ O ₃ :Er – based materials for conversion of solar energy. Journal of Physics: Conference Series, 2015, 643, 012057.	0.3	2
30	Optical properties and structure of beryllium lead silicate glasses. , 2014, , .		2