

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	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
2	Atomic structure, electronic states, and optical properties of epitaxially grown $\hat{\Gamma}^2$ -Ga ₂ O ₃ layers. <i>Superlattices and Microstructures</i> , 2018, 120, 90-100.	1.4	60
3	Down-conversion of UV radiation in erbium-doped gadolinium oxide nanoparticles. <i>Applied Materials Today</i> , 2018, 12, 34-42.	2.3	26
4	Photosensitive Defects in Gd ₂ O ₃ – Advanced Material for Solar Energy Conversion. <i>Energy Procedia</i> , 2016, 102, 144-151.	1.8	21
5	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
6	Optical properties and energy parameters of Gd ₂ O ₃ and Gd ₂ O ₃ :Er nanoparticles. <i>Journal of Physics: Conference Series</i> , 2017, 917, 062001.	0.3	20
7	UV absorption and effects of local atomic disordering in the nickel oxide nanoparticles. <i>Journal of Luminescence</i> , 2017, 183, 135-142.	1.5	14
8	Luminescence of rare-earth ions and intrinsic defects in Gd ₂ O ₃ matrix. <i>Journal of Physics: Conference Series</i> , 2016, 741, 012089.	0.3	10
9	Characteristic features of optical absorption for Gd ₂ O ₃ and NiO nanoparticles. <i>Journal of Nanoparticle Research</i> , 2017, 19, 1.	0.8	10
10	Interband optical transitions in Gd ₂ O ₃ : Er nanoparticles – prospective system for energy convertors. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 292, 012047.	0.3	10
11	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
12	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
13	Energy transfer in Gd ₂ O ₃ :Er nanoparticles applying as a down-conversion layer for solar cell. <i>Journal of Physics: Conference Series</i> , 2017, 917, 052015.	0.3	9
14	Upconversion Luminescence of Gd ₂ O ₃ Nanocrystals Doped with Er ³⁺ and Yb ³⁺ Ions. <i>Technical Physics Letters</i> , 2018, 44, 622-625.	0.2	9
15	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
16	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
17	Energy conversion of X-ray, ultraviolet and infrared radiation in Gd ₂ O ₃ crystals doped with Er ³⁺ ions. <i>AIP Conference Proceedings</i> , 2017, , .	0.3	8
18	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

#	ARTICLE	IF	CITATIONS
19	Synthesis and Properties of $(\text{Ca}/\text{Sr})_{1-x}\text{Bi}_2\text{MoO}_4$ Solid Solutions. Inorganic Materials, 2019, 55, 1020-1025.	0.2	6
20	Creation of Si quantum dots in a silica matrix due to conversion of radiation defects under pulsed ion-beam exposure. Physical Chemistry Chemical Physics, 2019, 21, 25467-25473.	1.3	5
21	Excited states of modified oxygen-deficient centers and Si quantum dots in Gd-implanted silica glasses: Emission dynamics and lifetime distributions. Physical Chemistry Chemical Physics, 2021, 23, 23184-23195.	1.3	3
22	Temperature-dependent luminescence of intrinsic defects and excitons in nanocrystalline monoclinic Y_2O_3 films. Journal of Luminescence, 2022, 250, 119102.	1.5	3
23	Optical properties and structure of beryllium lead silicate glasses. , 2014, , .		2
24	Photoluminescence of $\text{Gd}_2\text{O}_3:\text{Er}^{3+}$ based materials for conversion of solar energy. Journal of Physics: Conference Series, 2015, 643, 012057.	0.3	2
25	Intrinsic Defect-Assisted UV-Visible Energy Conversion in $\text{Gd}_2\text{O}_3:\text{Er}$ Nanoparticles. Physica Status Solidi (B): Basic Research, 2019, 256, 1800356.	0.7	2
26	Synthesis and luminescence properties of yttrium oxide ceramics with a variable europium content. AIP Conference Proceedings, 2019, , .	0.3	2
27	Optical properties and energy band parameters of luminescent $\text{CaMoO}_4:\text{Bi}$ ceramics. Journal of Physics: Conference Series, 2018, 1124, 051005.	0.3	1
28	Luminescence at VUV-excitation of oxygen-deficient centers in silica glass implanted with 80 keV Re-ions. AIP Conference Proceedings, 2019, , .	0.3	1
29	The ways to improve the energy conversion efficiency in erbium-doped Gd_2O_3 nanoparticles. Journal of Physics: Conference Series, 2018, 1124, 041013.	0.3	0
30	Up-conversion emission in Gd_2O_3 doped with RE-ions. AIP Conference Proceedings, 2018, , .	0.3	0