

Rosa MartÃ-n-RodrÃ-guez

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

885
citations

623574

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839398

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21
all docs

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docs citations

21
times ranked

1495
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly Efficient IR to NIR Upconversion in Gd ₂ O ₃ :Er ³⁺ for Photovoltaic Applications. <i>Chemistry of Materials</i> , 2013, 25, 1912-1921.	3.2	183
2	Incorporation and Luminescence of Yb ³⁺ in CdSe Nanocrystals. <i>Journal of the American Chemical Society</i> , 2013, 135, 13668-13671.	6.6	105
3	Multi-photon quantum cutting in Gd ₂ O ₃ :Tm ³⁺ to enhance the photo-response of solar cells. <i>Light: Science and Applications</i> , 2015, 4, e344-e344.	7.7	88
4	Optimizing infrared to near infrared upconversion quantum yield of $\hat{\text{I}}^2\text{-NaYF}_4\text{:Er}^{3+}$ in fluoropolymer matrix for photovoltaic devices. <i>Journal of Applied Physics</i> , 2013, 114, .	1.1	85
5	Upconversion quantum yield of Er ³⁺ -doped $\hat{\text{I}}^2\text{-NaYF}_4$ and Gd ₂ O ₃ : The effects of host lattice, Er ³⁺ doping, and excitation spectrum bandwidth. <i>Journal of Luminescence</i> , 2014, 153, 281-287.	1.5	67
6	Upconversion Dynamics in Er ³⁺ -Doped Gd ₂ O ₃ : Influence of Excitation Power, Er ³⁺ Concentration, and Defects. <i>Advanced Optical Materials</i> , 2015, 3, 558-567.	3.6	66
7	Nano-ZnO leads to tubulin microtubule assembly and actin bundling, triggering cytoskeletal catastrophe and cell necrosis. <i>Nanoscale</i> , 2016, 8, 10963-10973.	2.8	57
8	Upconversion solar cell measurements under real sunlight. <i>Optical Materials</i> , 2018, 84, 389-395.	1.7	51
9	Temperature and pressure dependence of the optical properties of Cr ³⁺ -doped Gd ₃ Ga ₅ O ₁₂ nanoparticles. <i>Nanotechnology</i> , 2011, 22, 265707.	1.3	33
10	Enhanced magnetic anisotropy and heating efficiency in multi-functional manganese ferrite/graphene oxide nanostructures. <i>Nanotechnology</i> , 2016, 27, 155707.	1.3	30
11	Mn-Doping level dependence on the magnetic response of Mn _x Fe _{3-\times} O ₄ ferrite nanoparticles. <i>Dalton Transactions</i> , 2019, 48, 11480-11491.	1.6	26
12	Eu ³⁺ Luminescence in High Charge Mica: An In Situ Probe for the Encapsulation of Radioactive Waste in Geological Repositories. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 7559-7565.	4.0	22
13	Dye-doped biodegradable nanoparticle SiO ₂ coating on zinc- and iron-oxide nanoparticles to improve biocompatibility and for <i>in vivo</i> imaging studies. <i>Nanoscale</i> , 2020, 12, 6164-6175.	2.8	22
14	Photoluminescence in ZnO:Co ²⁺ (0.01%–5%) Nanoparticles, Nanowires, Thin Films, and Single Crystals as a Function of Pressure and Temperature: Exploring Electron–Phonon Interactions. <i>Chemistry of Materials</i> , 2014, 26, 1100-1107.	3.2	19
15	New Trends in Nanoclay-Modified Sensors. <i>Inorganics</i> , 2021, 9, 43.	1.2	16
16	Optical energy gap on zinc-blende CdS nanoparticles under high pressure. <i>High Pressure Research</i> , 2009, 29, 482-487.	0.4	5
17	Photocatalytic activity of undoped and Mn- and Co-doped TiO ₂ nanocrystals incorporated in enamel coatings on stainless steel. <i>Reaction Chemistry and Engineering</i> , 0, .	1.9	5
18	Exploring the local environment of the engineered nanoclay Mica-4 under hydrothermal conditions using Eu ³⁺ as a luminescent probe. <i>Journal of Alloys and Compounds</i> , 2022, 921, 166086.	2.8	3

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19	Developing Efficient Upconverter Silicon Solar Cell Devices. , 2013, , .		1
20	Adsorptive Capture of Ionic and Non-Ionic Pollutants Using a Versatile Hybrid Amphiphilic-Nanomic. Nanomaterials, 2021, 11, 3167.	1.9	1
21	Correction to "Magnetic Study of Co-Doped Magnetosome Chains" Journal of Physical Chemistry C, 0, , .	1.5	0