

# 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

14  
h-index

839398

18  
g-index

21  
all docs

21  
docs citations

21  
times ranked

1495  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Exploring the local environment of the engineered nanoclay Mica-4 under hydrothermal conditions using Eu <sup>3+</sup> as a luminescent probe. <i>Journal of Alloys and Compounds</i> , 2022, 921, 166086.  | 2.8 | 3         |
| 2  | New Trends in Nanoclay-Modified Sensors. <i>Inorganics</i> , 2021, 9, 43.   | 1.2 | 16        |
| 3  | Adsorptive Capture of Ionic and Non-Ionic Pollutants Using a Versatile Hybrid Amphiphilic-Nanomic. <i>Nanomaterials</i> , 2021, 11, 3167.   | 1.9 | 1         |
| 4  | Dye-doped biodegradable nanoparticle SiO <sub>2</sub> 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        |
| 5  | Eu <sup>3+</sup> Luminescence in High Charge Mica: An In Situ Probe for the Encapsulation of Radioactive Waste in Geological Repositories. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 7559-7565.   | 4.0 | 22        |
| 6  | Mn-Doping level dependence on the magnetic response of Mn <sub>x</sub> Fe <sub>3-2x</sub> O <sub>4</sub> ferrite nanoparticles. <i>Dalton Transactions</i> , 2019, 48, 11480-11491.   | 1.6 | 26        |
| 7  | Upconversion solar cell measurements under real sunlight. <i>Optical Materials</i> , 2018, 84, 389-395.   | 1.7 | 51        |
| 8  | Enhanced magnetic anisotropy and heating efficiency in multi-functional manganese ferrite/graphene oxide nanostructures. <i>Nanotechnology</i> , 2016, 27, 155707.  | 1.3 | 30        |
| 9  | 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        |
| 10 | Upconversion Dynamics in Er <sup>3+</sup> -Doped Gd <sub>2</sub> O <sub>3</sub> :S: Influence of Excitation Power, Er <sup>3+</sup> Concentration, and Defects. <i>Advanced Optical Materials</i> , 2015, 3, 558-567.   | 3.6 | 66        |
| 11 | Multi-photon quantum cutting in Gd <sub>2</sub> O <sub>3</sub> :Tm <sup>3+</sup> to enhance the photo-response of solar cells. <i>Light: Science and Applications</i> , 2015, 4, e344-e344.   | 7.7 | 88        |
| 12 | Photoluminescence in ZnO:Co <sup>2+</sup> (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        |
| 13 | Upconversion quantum yield of Er <sup>3+</sup> -doped $\beta$ -NaYF <sub>4</sub> and Gd <sub>2</sub> O <sub>3</sub> : The effects of host lattice, Er <sup>3+</sup> doping, and excitation spectrum bandwidth. <i>Journal of Luminescence</i> , 2014, 153, 281-287. | 1.5 | 67        |
| 14 | Optimizing infrared to near infrared upconversion quantum yield of $\beta$ -NaYF <sub>4</sub> :Er <sup>3+</sup> in fluoropolymer matrix for photovoltaic devices. <i>Journal of Applied Physics</i> , 2013, 114, .  | 1.1 | 85        |
| 15 | Incorporation and Luminescence of Yb <sup>3+</sup> in CdSe Nanocrystals. <i>Journal of the American Chemical Society</i> , 2013, 135, 13668-13671.  | 6.6 | 105       |
| 16 | Highly Efficient IR to NIR Upconversion in Gd <sub>2</sub> O <sub>3</sub> :S:Er <sup>3+</sup> for Photovoltaic Applications. <i>Chemistry of Materials</i> , 2013, 25, 1912-1921.   | 3.2 | 183       |
| 17 | Developing Efficient Upconverter Silicon Solar Cell Devices. , 2013, , .  |     | 1         |
| 18 | Temperature and pressure dependence of the optical properties of Cr <sup>3+</sup> -doped Gd <sub>3</sub> Ga <sub>5</sub> O <sub>12</sub> nanoparticles. <i>Nanotechnology</i> , 2011, 22, 265707.   | 1.3 | 33        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Optical energy gap on zinc-blende CdS nanoparticles under high pressure. High Pressure Research, 2009, 29, 482-487.  | 0.4 | 5         |
| 20 | Photocatalytic activity of undoped and Mn- and Co-doped TiO <sub>2</sub> nanocrystals incorporated in enamel coatings on stainless steel. Reaction Chemistry and Engineering, 0, , . | 1.9 | 5         |
| 21 | Correction to "Magnetic Study of Co-Doped Magnetosome Chains". Journal of Physical Chemistry C, 0, , .   | 1.5 | 0         |