

Pushpal Ghosh

List of Publications by Year in descending order

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34
papers

1,352
citations

304368

22
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377514

34
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docs citations

34
times ranked

1615
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhancement of Upconversion Emission of LaPO ₄ :Er@Yb Core-Shell Nanoparticles/Nanorods. Journal of Physical Chemistry C, 2008, 112, 9650-9658.	1.5	153
2	Tuning of Crystal Phase and Luminescence Properties of Eu ³⁺ Doped Sodium Yttrium Fluoride Nanocrystals. Journal of Physical Chemistry C, 2008, 112, 3223-3231.	1.5	103
3	Influence of Crystal Phase and Excitation Wavelength on Luminescence Properties of Eu ³⁺ -Doped Sodium Yttrium Fluoride Nanocrystals. Journal of Physical Chemistry C, 2008, 112, 19283-19292.	1.5	87
4	Energy transfer study between Ce ³⁺ and Tb ³⁺ ions in doped and core-shell sodium yttrium fluoride nanocrystals. Nanoscale, 2010, 2, 1196.	2.8	86
5	Recent trends in binary and ternary rare-earth fluoride nanophosphors: How structural and physical properties influence optical behavior. Journal of Luminescence, 2017, 189, 44-63.	1.5	83
6	Red to Blue Tunable Upconversion in Tm ³⁺ -Doped ZrO ₂ Nanocrystals. Journal of Physical Chemistry B, 2005, 109, 10142-10146.	1.2	74
7	Role of Surface Coating in ZrO ₂ /Eu ³⁺ Nanocrystals. Langmuir, 2006, 22, 6321-6327.	1.6	74
8	Efficient quantum cutting in hexagonal NaGdF ₄ :Eu ³⁺ nanorods. Journal of Materials Chemistry, 2011, 21, 8640.	6.7	57
9	Structural and photoluminescence properties of doped and core-shell LaPO ₄ :Eu ³⁺ nanocrystals. Journal of Applied Physics, 2010, 108, .	1.1	51
10	Adsorption-Driven Catalytic and Photocatalytic Activity of Phase Tuned In ₂ S ₃ Nanocrystals Synthesized via Ionic Liquids. ACS Applied Materials & Interfaces, 2017, 9, 11651-11661.	4.0	51
11	Influence of Surface Coating on Physical Properties of TiO ₂ /Eu ³⁺ Nanocrystals. Journal of Physical Chemistry C, 2007, 111, 7004-7010.	1.5	47
12	Understanding the Local Structures of Eu and Zr in Eu ₂ O ₃ Doped and Coated ZrO ₂ Nanocrystals by EXAFS Study. Journal of Physical Chemistry C, 2007, 111, 571-578.	1.5	47
13	Preparation and photoluminescence properties of Y ₂ SiO ₅ :Eu ³⁺ nanocrystals. Physical Chemistry Chemical Physics, 2006, 8, 3342.	1.3	42
14	Imidazolium Based Ionic Liquids: A Promising Green Solvent for Water Hyacinth Biomass Deconstruction. Frontiers in Chemistry, 2018, 6, 548.	1.8	41
15	Influence of surface coating on the upconversion emission properties of LaPO ₄ :Yb/Tm core-shell nanorods. Journal of Applied Physics, 2009, 105, 113532.	1.1	39
16	Study of photophysical properties of capped CdS nanocrystals. Journal of Luminescence, 2007, 124, 327-332.	1.5	38
17	Synthesis and characterization of different shaped Sm ₂ O ₃ nanocrystals. Journal Physics D: Applied Physics, 2010, 43, 405401.	1.3	33
18	Phase selective synthesis of quantum cutting nanophosphors and the observation of a spontaneous room temperature phase transition. Nanoscale, 2016, 8, 8160-8169.	2.8	32

#	ARTICLE	IF	CITATIONS
19	Upconversion emission of BaTiO ₃ : Er nanocrystals. Bulletin of Materials Science, 2008, 31, 461-465.	0.8	30
20	Structural Changes and Spectroscopic Properties of Ce ³⁺ -Ion-Doped Sodium Yttrium Fluoride Nanocrystals: Influences of Sonication and Temperature. Journal of Physical Chemistry C, 2010, 114, 715-722.	1.5	28
21	Highly Luminescent Salts Containing Well-Shielded Lanthanide-Centered Complex Anions and Bulky Imidazolium Counteranions. Inorganic Chemistry, 2014, 53, 9027-9035.	1.9	28
22	Size of the rare-earth ions: a key factor in phase tuning and morphology control of binary and ternary rare-earth fluoride materials. RSC Advances, 2017, 7, 33467-33476.	1.7	24
23	Crystal Phase, Shape and Luminescence Properties of LaPO ₄ :Eu ³⁺ Nanocrystals. Journal of Nanoscience and Nanotechnology, 2008, 8, 3458-3464.	0.9	21
24	Eu-Doped BaF ₂ Nanoparticles for Bioimaging Applications. ACS Applied Nano Materials, 2019, 2, 927-936.	2.4	19
25	Lanthanide-Doped Luminescent Nanophosphors via Ionic Liquids. Frontiers in Chemistry, 2021, 9, 715531.	1.8	16
26	A closer look at the defects and luminescence of nanocrystalline fluorides synthesized <i>via</i> ionic liquids: the case of Ce ³⁺ -doped BaF ₂ . New Journal of Chemistry, 2020, 44, 200-209.	1.4	10
27	Tuning the Crystal Phase and Morphology of the Photoluminescent Indium Sulphide Nanocrystals and Their Adsorption-Based Catalytic and Photocatalytic Applications. ChemistrySelect, 2018, 3, 8171-8182.	0.7	8
28	Understanding the influence of nanoenvironment on luminescence of rare-earth ions. Pramana - Journal of Physics, 2005, 65, 901-907.	0.9	5
29	The nano-bio interactions of rare-earth doped BaF ₂ nanophosphors shape the developmental processes of zebrafish. Biomaterials Science, 2020, 8, 6730-6740.	2.6	5
30	Temperature dependent quantum cutting in cubic BaGdF ₅ :Eu ³⁺ nanophosphors. New Journal of Chemistry, 2021, 45, 1463-1473.	1.4	5
31	Multifunctional Lanthanide-Doped Binary Fluorides and Graphene Oxide Nanocomposites Via a Task-Specific Ionic Liquid. ACS Omega, 2022, 7, 16906-16916.	1.6	5
32	Influence of ionic liquids and concentration of red phosphorous on luminescent Cu ₃ P nanocrystals. Journal of Chemical Sciences, 2019, 131, 1.	0.7	4
33	Green Emitting Ce ³⁺ / Tb ³⁺ -Doped BaF ₂ Nanocrystals and Their Impact on Skeletal Muscle of Developing Zebrafish Larvae. ChemistrySelect, 2020, 5, 9105-9110.	0.7	4
34	Nanofluorides for Environmentally Benign Lighting and Energy Conversion in Solar Cells. ACS Symposium Series, 2011, , 87-99.	0.5	2