

Swapankumar Ghosh

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

1,314
citations

331670

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docs citations

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times ranked

2232
citing authors

#	ARTICLE	IF	CITATIONS
1	pH-dependent facile synthesis of CaAl-layered double hydroxides and its effect on the growth inhibition of cancer cells. <i>Journal of the American Ceramic Society</i> , 2018, 101, 3924-3935.	3.8	21
2	Clustering Behavior in Aqueous Slurry of Magnetite Nanoparticles at Different Temperatures by Photon Scattering. <i>Transactions of the Indian Ceramic Society</i> , 2017, 76, 183-188.	1.0	0
3	Layered double hydroxide using hydrothermal treatment: morphology evolution, intercalation and release kinetics of diclofenac sodium. <i>Frontiers of Materials Science</i> , 2017, 11, 395-408.	2.2	22
4	Fabrication of magnetite nanocrystals in alcohol/water mixed solvents: catalytic and colloid property evaluation. <i>RSC Advances</i> , 2016, 6, 60845-60855.	3.6	9
5	Size-tunable hydrophilic cerium oxide nanoparticles as a "turn-on" fluorescence sensor for the rapid detection of ultralow concentrations of vitamin C. <i>RSC Advances</i> , 2016, 6, 53550-53559.	3.6	16
6	Growth of Hierarchical Hexagonal Layered Double Hydroxide Crystals to Large Elongated Spindle Shaped Particles. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 10060-10066.	0.9	2
7	Nanoscale contact resistance of V_2O_5 xerogel films developed by nanostructured powder. <i>Journal Physics D: Applied Physics</i> , 2016, 49, 085303.	2.8	11
8	Colloidal properties of water dispersible magnetite nanoparticles by photon correlation spectroscopy. <i>RSC Advances</i> , 2016, 6, 14393-14402.	3.6	29
9	Methotrexate Intercalated CaAl Layered Double Hydroxide Nanohybrid for Drug Delivery. <i>Advanced Science, Engineering and Medicine</i> , 2016, 8, 450-459.	0.3	7
10	Concentration quenching in cerium oxide dispersions via a Förster resonance energy transfer mechanism facilitates the identification of fatty acids. <i>RSC Advances</i> , 2015, 5, 23965-23972.	3.6	9
11	Morphological evolution and growth of cerium oxide nanostructures by virtue of organic ligands as well as monomer concentration. <i>CrystEngComm</i> , 2015, 17, 7094-7106.	2.6	4
12	pH dependent chemical stability and release of methotrexate from a novel nanoceramic carrier. <i>RSC Advances</i> , 2015, 5, 39482-39494.	3.6	38
13	Shape-Selective Oriented Cerium Oxide Nanocrystals Permit Assessment of the Effect of the Exposed Facets on Catalytic Activity and Oxygen Storage Capacity. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 8545-8555.	8.0	72
14	Tailoring the surface properties of cerium oxide nanoabrasives through morphology control for glass CMP. <i>RSC Advances</i> , 2015, 5, 84056-84065.	3.6	25
15	Magnetic, X-ray and Mössbauer studies on magnetite/maghemite core-shell nanostructures fabricated through an aqueous route. <i>RSC Advances</i> , 2014, 4, 64919-64929.	3.6	102
16	Synthesis and characterization of cerium oxide based nanofluids: An efficient coolant in heat transport applications. <i>Chemical Engineering Journal</i> , 2014, 255, 282-289.	12.7	50
17	Facile synthetic strategy of oleophilic zirconia nanoparticles allows preparation of highly stable thermo-conductive coolant. <i>RSC Advances</i> , 2014, 4, 28020-28028.	3.6	16
18	Mg-Al layered double hydroxide-methotrexate nanohybrid drug delivery system: Evaluation of efficacy. <i>Materials Science and Engineering C</i> , 2013, 33, 2168-2174.	7.3	62

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19	One-pot synthesis of ultra-small cerium oxide nanodots exhibiting multi-colored fluorescence. <i>Journal of Colloid and Interface Science</i> , 2013, 389, 16-22.	9.4	35
20	Enhanced visible light activity of nano-titanium dioxide doped with multiple ions: Effect of crystal defects. <i>Journal of Solid State Chemistry</i> , 2012, 196, 465-470.	2.9	15
21	Photocatalytic activity enhancement in doped titanium dioxide by crystal defects. <i>Dalton Transactions</i> , 2012, 41, 4824.	3.3	62
22	A Novel Aqueous Route To Fabricate Ultrasmall Monodisperse Lipophilic Cerium Oxide Nanoparticles. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 318-326.	3.7	61
23	Determination of trace level carbonate ion in Mg-Al layered double hydroxide: Its significance on the anion exchange behaviour. <i>Journal of Industrial and Engineering Chemistry</i> , 2012, 18, 2211-2216.	5.8	19
24	A facile synthetic strategy for Mg-Al layered double hydroxide material as nanocarrier for methotrexate. <i>Ceramics International</i> , 2012, 38, 941-949.	4.8	49
25	Ultra-thin cerium oxide nanostructures through a facile aqueous synthetic strategy. <i>Ceramics International</i> , 2012, 38, 3023-3028.	4.8	6
26	A novel approach for enhanced visible light activity in doped nanosize titanium dioxide through the excitons trapping. <i>Journal of Solid State Chemistry</i> , 2012, 186, 149-157.	2.9	12
27	Hydrophobic, Photoactive Titania-Alumina Nanocrystallites and Coatings by an Aqueous Sol-Gel Process. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 226-233.	2.0	21
28	Methotrexate intercalated ZnAl-layered double hydroxide. <i>Journal of Solid State Chemistry</i> , 2011, 184, 2439-2445.	2.9	66
29	An aqueous sol-gel synthesis of chromium(III) doped mesoporous titanium dioxide for visible light photocatalysis. <i>Materials Research Bulletin</i> , 2011, 46, 914-921.	5.2	81
30	Calcination and associated structural modifications in boehmite and their influence on high temperature densification of alumina. <i>Ceramics International</i> , 2011, 37, 3329-3334.	4.8	19
31	Titania-lanthanum phosphate photoactive and hydrophobic new generation catalyst. <i>Journal of Solid State Chemistry</i> , 2011, 184, 1867-1874.	2.9	13
32	Sol-gel route to synthesize titania-silica nano precursors for photoactive particulates and coatings. <i>Journal of Sol-Gel Science and Technology</i> , 2010, 54, 203-211.	2.4	73
33	Growth of monodisperse nanocrystals of cerium oxide during synthesis and annealing. <i>Journal of Nanoparticle Research</i> , 2010, 12, 1905-1911.	1.9	29
34	Preparation and characterization of guar gum nanoparticles. <i>International Journal of Biological Macromolecules</i> , 2010, 46, 267-269.	7.5	83
35	NMR studies into colloidal stability and magnetic order in fatty acid stabilised aqueous magnetic fluids. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 14009.	2.8	11
36	Controlled Growth of Nanoparticle Clusters through Competitive Stabilizer Desorption. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 175-178.	13.8	36

#	ARTICLE	IF	CITATIONS
37	Nanocrystalline Ceria through Homogeneous Precipitation in Alcohol-Water Mixed Solvent. Transactions of the Indian Ceramic Society, 2009, 68, 185-188.	1.0	8
38	Nonaqueous Magnetic Nanoparticle Suspensions with Controlled Particle Size and Nuclear Magnetic Resonance Properties. Langmuir, 2008, 24, 14159-14165.	3.5	51
39	Magnetic nanoparticle assemblies on denatured DNA show unusual magnetic relaxivity and potential applications for MRI. Chemical Communications, 2004, , 2560.	4.1	60
40	Drug Delivery Using Nanosized Layered Double Hydroxide, an Anionic Clay. Key Engineering Materials, 0, 571, 133-167.	0.4	8