

Amit Kumar

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11787753/publications.pdf>

Version: 2024-02-01

20
papers

2,585
citations

430874

18
h-index

752698

20
g-index

20
all docs

20
docs citations

20
times ranked

3643
citing authors

#	ARTICLE	IF	CITATIONS
1	Tissue deposition and toxicological effects of commercially significant rare earth oxide nanomaterials: Material and physical properties. <i>Environmental Toxicology</i> , 2017, 32, 904-917.	4.0	22
2	Aqueous medium induced optical transitions in cerium oxide nanoparticles. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 6217-6221.	2.8	13
3	Behavior of nanoceria in biologically-relevant environments. <i>Environmental Science: Nano</i> , 2014, 1, 516-532.	4.3	94
4	Mitigation of endometriosis using regenerative cerium oxide nanoparticles. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2013, 9, 439-448.	3.3	84
5	Effects of cerium oxide nanoparticles on the growth of keratinocytes, fibroblasts and vascular endothelial cells in cutaneous wound healing. <i>Biomaterials</i> , 2013, 34, 2194-2201.	11.4	301
6	Cellular Interaction and Toxicity Depend on Physicochemical Properties and Surface Modification of Redox-Active Nanomaterials. <i>ACS Nano</i> , 2013, 7, 4855-4868.	14.6	179
7	Morphological Phase Diagram of Biocatalytically Active Ceria Nanostructures as a Function of Processing Variables and Their Properties. <i>ChemPlusChem</i> , 2013, 78, 1446-1455.	2.8	45
8	Antibacterial Activity of Polymer Coated Cerium Oxide Nanoparticles. <i>PLoS ONE</i> , 2012, 7, e47827.	2.5	91
9	Laser irradiated nano-architected undoped tin oxide arrays: mechanism of ultrasensitive room temperature hydrogen sensing. <i>Nanoscale</i> , 2012, 4, 7256.	5.6	8
10	Cerium oxide nanoparticles scavenge nitric oxide radical (\dot{E}^{TMNO}). <i>Chemical Communications</i> , 2012, 48, 4896.	4.1	222
11	A facile synthesis of PLGA encapsulated cerium oxide nanoparticles: release kinetics and biological activity. <i>Nanoscale</i> , 2012, 4, 2597.	5.6	48
12	The induction of angiogenesis by cerium oxide nanoparticles through the modulation of oxygen in intracellular environments. <i>Biomaterials</i> , 2012, 33, 7746-7755.	11.4	247
13	Mechanical properties of ceria nanorods and nanochains; the effect of dislocations, grain-boundaries and oriented attachment. <i>Nanoscale</i> , 2011, 3, 1823.	5.6	42
14	A phosphate-dependent shift in redox state of cerium oxide nanoparticles and its effects on catalytic properties. <i>Biomaterials</i> , 2011, 32, 6745-6753.	11.4	285
15	Hydrogen selective gas sensor in humid environment based on polymer coated nanostructured-doped tin oxide. <i>Sensors and Actuators B: Chemical</i> , 2011, 155, 884-892.	7.8	36
16	Understanding the toxicity of aggregated zero valent copper nanoparticles against <i>Escherichia coli</i> . <i>Journal of Hazardous Materials</i> , 2010, 180, 212-216.	12.4	96
17	Influence of iron and copper nanoparticle powder on the production of lignocellulose degrading enzymes in the fungus <i>Trametes versicolor</i> . <i>Journal of Hazardous Materials</i> , 2010, 178, 1141-1145.	12.4	72
18	Unveiling the mechanism of uptake and sub-cellular distribution of cerium oxide nanoparticles. <i>Molecular BioSystems</i> , 2010, 6, 1813.	2.9	144

#	ARTICLE	IF	CITATIONS
19	Luminescence Properties of Europium-Doped Cerium Oxide Nanoparticles: Role of Vacancy and Oxidation States. <i>Langmuir</i> , 2009, 25, 10998-11007.	3.5	254
20	PEGylated Nanoceria as Radical Scavenger with Tunable Redox Chemistry. <i>Journal of the American Chemical Society</i> , 2009, 131, 14144-14145.	13.7	302