

Ankur Gupta

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

2,061
citations

516710

16
h-index

552781

26
g-index

29
all docs

29
docs citations

29
times ranked

4133
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent development in 2D materials beyond graphene. <i>Progress in Materials Science</i> , 2015, 73, 44-126.	32.8	1,152
2	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
3	Combination of Conventional Chemotherapeutics with Redox-Active Cerium Oxide Nanoparticles—A Novel Aspect in Cancer Therapy. <i>Molecular Cancer Therapeutics</i> , 2014, 13, 1740-1749.	4.1	127
4	Folic acid tagged nanoceria as a novel therapeutic agent in ovarian cancer. <i>BMC Cancer</i> , 2016, 16, 220.	2.6	111
5	Controlling the surface chemistry of cerium oxide nanoparticles for biological applications. <i>Journal of Materials Chemistry B</i> , 2016, 4, 3195-3202.	5.8	111
6	Compression Molded Ultra High Molecular Weight Polyethylene—Hydroxyapatite—Aluminum Oxide—Carbon Nanotube Hybrid Composites for Hard Tissue Replacement. <i>Journal of Materials Science and Technology</i> , 2013, 29, 514-522.	10.7	53
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	Functional NiAl-graphene oxide composite as a model coating for aerospace component repair. <i>Carbon</i> , 2016, 105, 529-543.	10.3	30
9	Picomolar Detection of Hydrogen Peroxide using Enzyme-free Inorganic Nanoparticle-based Sensor. <i>Scientific Reports</i> , 2017, 7, 1324.	3.3	30
10	Modulating the Catalytic Activity of Cerium Oxide Nanoparticles with the Anion of the Precursor Salt. <i>Journal of Physical Chemistry C</i> , 2017, 121, 20039-20050.	3.1	26
11	Serrated yielding during nanoindentation of thermomechanically processed novel Mg—9Li—7Al—1Sn and Mg—9Li—5Al—3Sn—1Zn alloys. <i>Journal Physics D: Applied Physics</i> , 2013, 46, 145304.	2.8	24
12	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
13	Molybdenum disulfide for ultra-low detection of free radicals: electrochemical response and molecular modeling. <i>2D Materials</i> , 2017, 4, 025077.	4.4	21
14	Antioxidant properties of ALD grown nanoceria films with tunable valency. <i>Biomaterials Science</i> , 2019, 7, 3051-3061.	5.4	20
15	Crack Propagation Resistance of \pm -Al ₂ O ₃ Reinforced Pulsed Laser-Deposited Hydroxyapatite Coating on 316 Stainless Steel. <i>Jom</i> , 2014, 66, 2095-2107.	1.9	19
16	Size Effect of Yttria Stabilized Zirconia Addition on Fracture Toughness and Thermal Conductivity of Plasma Sprayed Aluminum Oxide Composite Coatings. <i>Nanoscience and Nanotechnology Letters</i> , 2013, 4, 323-332.	0.4	19
17	Grain Growth Behavior of Al ₂ O ₃ Nanomaterials: A Review. <i>Materials Science Forum</i> , 2010, 653, 87-130.	0.3	13
18	Dependence of Protein Adsorption on Wetting Behavior of UHMWPE—HA—Al ₂ O ₃ —CNT Hybrid Biocomposites. <i>Jom</i> , 2012, 64, 506-513.	1.9	13

#	ARTICLE	IF	CITATIONS
19	Adjuvants in micro-to nanoscale: current state and future direction. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2016, 8, 61-84.	6.1	11
20	TEM Studies of Boron-Modified 17Cr-7Ni Precipitation-Hardenable Stainless Steel via Rapid Solidification Route. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2013, 44, 4248-4256.	2.2	9
21	Redox-active nanoparticles in combating neurodegeneration. Nanomedicine, 2014, 9, 2725-2728.	3.3	9
22	Abridgment of nano and micro length scale mechanical properties of novel Mg-7Al-1Sn and Mg-9Li-5Al-3Sn-1Zn alloys using object oriented finite element modeling. Journal of Alloys and Compounds, 2015, 634, 24-31.	5.5	6
23	High-Throughput, Protein-Targeted Biomolecular Detection Using Frequency-Domain Faraday Rotation Spectroscopy. Small, 2017, 13, 1602862.	10.0	5
24	Morphological Phase Diagram of Biocatalytically Active Ceria Nanostructures as a Function of Processing Variables and Their Properties. ChemPlusChem, 2013, 78, 1424-1424.	2.8	1
25	2D MoS ₂ /glassy carbon based electrochemical sensor for pico-molar detection of hydrogen peroxide and hypochlorous acid. , 2016, , .		1