

# 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	Antioxidant properties of ALD grown nanoceria films with tunable valency. <i>Biomaterials Science</i> , 2019, 7, 3051-3061.	5.4	20
2	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
3	High-Throughput, Protein-Targeted Biomolecular Detection Using Frequency-Domain Faraday Rotation Spectroscopy. <i>Small</i> , 2017, 13, 1602862.	10.0	5
4	Molybdenum disulfide for ultra-low detection of free radicals: electrochemical response and molecular modeling. <i>2D Materials</i> , 2017, 4, 025077.	4.4	21
5	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
6	Picomolar Detection of Hydrogen Peroxide using Enzyme-free Inorganic Nanoparticle-based Sensor. <i>Scientific Reports</i> , 2017, 7, 1324.	3.3	30
7	2D MoS <sub>2</sub> /glassy carbon based electrochemical sensor for pico-molar detection of hydrogen peroxide and hypochlorous acid. , 2016, , .		1
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	Adjuvants in micro-to nanoscale: current state and future direction. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2016, 8, 61-84.	6.1	11
10	Folic acid tagged nanoceria as a novel therapeutic agent in ovarian cancer. <i>BMC Cancer</i> , 2016, 16, 220.	2.6	111
11	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
12	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. <i>Journal of Alloys and Compounds</i> , 2015, 634, 24-31.	5.5	6
13	Recent development in 2D materials beyond graphene. <i>Progress in Materials Science</i> , 2015, 73, 44-126.	32.8	1,152
14	Redox-active nanoparticles in combating neurodegeneration. <i>Nanomedicine</i> , 2014, 9, 2725-2728.	3.3	9
15	Crack Propagation Resistance of $\pm$ -Al <sub>2</sub> O <sub>3</sub> Reinforced Pulsed Laser-Deposited Hydroxyapatite Coating on 316 Stainless Steel. <i>Jom</i> , 2014, 66, 2095-2107.	1.9	19
16	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
17	TEM Studies of Boron-Modified 17Cr-7Ni Precipitation-Hardenable Stainless Steel via Rapid Solidification Route. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2013, 44, 4248-4256.	2.2	9
18	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

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19	Serrated yielding during nanoindentation of thermomechanically processed novel Mg <sub>9</sub> Li <sub>7</sub> Al <sub>1</sub> Sn and Mg <sub>9</sub> Li <sub>5</sub> Al <sub>3</sub> Sn <sub>1</sub> Zn alloys. Journal Physics D: Applied Physics, 2013, 46, 145304.	2.8	24
20	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
21	Cellular Interaction and Toxicity Depend on Physicochemical Properties and Surface Modification of Redox-Active Nanomaterials. ACS Nano, 2013, 7, 4855-4868.	14.6	179
22	Morphological Phase Diagram of Biocatalytically Active Ceria Nanostructures as a Function of Processing Variables and Their Properties. ChemPlusChem, 2013, 78, 1446-1455.	2.8	45
23	Size Effect of Yttria Stabilized Zirconia Addition on Fracture Toughness and Thermal Conductivity of Plasma Sprayed Aluminum Oxide Composite Coatings. Nanoscience and Nanotechnology Letters, 2013, 4, 323-332.	0.4	19
24	Dependence of Protein Adsorption on Wetting Behavior of UHMWPE <sub>2</sub> Al <sub>2</sub> O <sub>3</sub> CNT Hybrid Biocomposites. Jom, 2012, 64, 506-513.	1.9	13
25	Grain Growth Behavior of Al <sub>2</sub> O <sub>3</sub> Nanomaterials: A Review. Materials Science Forum, 2010, 653, 87-130.	0.3	13