

Bum Chul Park

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

337
citations

840776

11
h-index

839539

18
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27
all docs

27
docs citations

27
times ranked

518
citing authors

#	ARTICLE	IF	CITATIONS
1	Application of ZnO-Based Nanocomposites for Vaccines and Cancer Immunotherapy. <i>Pharmaceutics</i> , 2019, 11, 493.	4.5	35
2	MnO ₂ Nanowire@CeO ₂ Nanoparticle Composite Catalysts for the Selective Catalytic Reduction of NO _x with NH ₃ . <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 32112-32119.	8.0	32
3	Heat-Generating Iron Oxide Multigranule Nanoclusters for Enhancing Hyperthermic Efficacy in Tumor Treatment. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 33483-33491.	8.0	30
4	Application of radially grown ZnO nanowires on poly-l-lactide microfibers complexed with a tumor antigen for cancer immunotherapy. <i>Nanoscale</i> , 2019, 11, 4591-4600.	5.6	29
5	Efficient intracellular delivery of biomacromolecules employing clusters of zinc oxide nanowires. <i>Nanoscale</i> , 2017, 9, 15371-15378.	5.6	24
6	Strategy to control magnetic coercivity by elucidating crystallization pathway-dependent microstructural evolution of magnetite mesocrystals. <i>Nature Communications</i> , 2020, 11, 298.	12.8	24
7	Design of Magnetic@Plasmonic Nanoparticle Assemblies via Interface Engineering of Plasmonic Shells for Targeted Cancer Cell Imaging and Separation. <i>Small</i> , 2020, 16, e2001103.	10.0	20
8	Fluorescent detection of dipicolinic acid as a biomarker in bacterial spores employing terbium ion-coordinated magnetite nanoparticles. <i>Journal of Hazardous Materials</i> , 2021, 408, 124870.	12.4	19
9	Immunoregulation of Macrophages by Controlling Winding and Unwinding of Nanohelical Ligands. <i>Advanced Functional Materials</i> , 2021, 31, 2103409.	14.9	19
10	Synthesis, microstructure, and physical properties of metallic barcode nanowires. <i>Metals and Materials International</i> , 2017, 23, 413-425.	3.4	17
11	Submolecular Ligand Size and Spacing for Cell Adhesion. <i>Advanced Materials</i> , 2022, 34, e2110340.	21.0	13
12	Zinc Oxide Nano@Spicules on Polylactic Acid for Super@Hydrophilic and Bactericidal Surfaces. <i>Advanced Functional Materials</i> , 2021, 31, 2100844.	14.9	11
13	Surface-ligand-induced crystallographic disorder@order transition in oriented attachment for the tuneable assembly of mesocrystals. <i>Nature Communications</i> , 2022, 13, 1144.	12.8	10
14	Multi@Component Mesocrystalline Nanoparticles with Enhanced Photocatalytic Activity. <i>Small</i> , 2020, 16, e2004696.	10.0	9
15	Photonic Reactions Leading to Fluorescence in a Polymeric System Induced by the Photothermal Effect of Magnetite Nanoparticles Using a 780 nm Multiphoton Laser. <i>Small</i> , 2017, 13, 1700897.	10.0	8
16	Magnetic Anisotropy Evolution in CoFe/Au Barcode Nanowire Arrays. <i>IEEE Transactions on Magnetics</i> , 2014, 50, 1-4.	2.1	7
17	White-light-emitting magnetite nanoparticle@polymer composites: photonic reactions of magnetic multi-granule nanoclusters as photothermal agents. <i>Nanoscale</i> , 2016, 8, 17136-17140.	5.6	6
18	Quantitative Analysis on Cellular Uptake of Clustered Ferrite Magnetic Nanoparticles. <i>Electronic Materials Letters</i> , 2019, 15, 471-480.	2.2	6

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19	Association between Cell Microenvironment Altered by Gold Nanowire Array and Regulation of Partial Epithelialâ€Mesenchymal Transition. <i>Advanced Functional Materials</i> , 2021, 31, 2008758.	14.9	6
20	Microwave absorption properties of magnetite multi-granule nanoclusterâ€multiwall carbon nanotube composites. <i>Functional Materials Letters</i> , 2019, 12, 1950011.	1.2	5
21	Catalytic activity of vanadium oxide catalysts prepared by electrodeposition for the selective catalytic reduction of nitrogen oxides with ammonia. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2016, 118, 633-641.	1.7	3
22	Localized electroporation effect on adherent cells in modified electric cellâ€substrate impedance sensing circuits. <i>Applied Physics Express</i> , 2016, 9, 107001.	2.4	1
23	Magnetic Particle Spectrometry of Fe ₃ O ₄ Multi-Granule Nanoclusters. <i>IEEE Transactions on Magnetics</i> , 2017, 53, 1-4.	2.1	1
24	Zinc Oxide Nanoâ€Spicules on Polylactic Acid for Superâ€Hydrophilic and Bactericidal Surfaces (Adv.) <i>Tj ETQq0 0 0,rgBT /Overlock 10 Tf</i>	14.9	1
25	Inorganic Hollow Nanocoils Fabricated by Controlled Interfacial Reaction and Their Electrocatalytic Properties. <i>Small</i> , 2021, 17, e2103575.	10.0	1