

# 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  
g-index

27  
all docs

27  
docs citations

27  
times ranked

518  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Submolecular Ligand Size and Spacing for Cell Adhesion. <i>Advanced Materials</i> , 2022, 34, e2110340.	21.0	13
3	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
4	Association between Cell Microenvironment Altered by Gold Nanowire Array and Regulation of Partial Epithelial→Mesenchymal Transition. <i>Advanced Functional Materials</i> , 2021, 31, 2008758.	14.9	6
5	Zinc Oxide Nano→Spicules on Polylactic Acid for Super→Hydrophilic and Bactericidal Surfaces. <i>Advanced Functional Materials</i> , 2021, 31, 2100844.	14.9	11
6	Immunoregulation of Macrophages by Controlling Winding and Unwinding of Nanohelical Ligands. <i>Advanced Functional Materials</i> , 2021, 31, 2103409.	14.9	19
7	Zinc Oxide Nano→Spicules on Polylactic Acid for Super→Hydrophilic and Bactericidal Surfaces (Adv.) Tj ETQq1 1 0,784314 rgBT /Overle	14.9	11
8	Inorganic Hollow Nanocoils Fabricated by Controlled Interfacial Reaction and Their Electrocatalytic Properties. <i>Small</i> , 2021, 17, e2103575.	10.0	1
9	Multi→Component Mesocrystalline Nanoparticles with Enhanced Photocatalytic Activity. <i>Small</i> , 2020, 16, e2004696.	10.0	9
10	Heat-Generating Iron Oxide Multigranule Nanoclusters for Enhancing Hyperthermic Efficacy in Tumor Treatment. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 33483-33491.	8.0	30
11	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
12	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
13	Application of ZnO-Based Nanocomposites for Vaccines and Cancer Immunotherapy. <i>Pharmaceutics</i> , 2019, 11, 493.	4.5	35
14	Quantitative Analysis on Cellular Uptake of Clustered Ferrite Magnetic Nanoparticles. <i>Electronic Materials Letters</i> , 2019, 15, 471-480.	2.2	6
15	Application of radially grown ZnO nanowires on poly-→lactide microfibers complexed with a tumor antigen for cancer immunotherapy. <i>Nanoscale</i> , 2019, 11, 4591-4600.	5.6	29
16	Microwave absorption properties of magnetite multi-granule nanocluster→multiwall carbon nanotube composites. <i>Functional Materials Letters</i> , 2019, 12, 1950011.	1.2	5
17	MnO <sub>2</sub> Nanowire→CeO <sub>2</sub> Nanoparticle Composite Catalysts for the Selective Catalytic Reduction of NO <sub>x</sub> with NH <sub>3</sub> . <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 32112-32119.	8.0	32
18	Synthesis, microstructure, and physical properties of metallic barcode nanowires. <i>Metals and Materials International</i> , 2017, 23, 413-425.	3.4	17

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19	Magnetic Particle Spectrometry of Fe <sub>3</sub> O <sub>4</sub> Multi-Granule Nanoclusters. IEEE Transactions on Magnetism, 2017, 53, 1-4.	2.1	1
20	Efficient intracellular delivery of biomacromolecules employing clusters of zinc oxide nanowires. Nanoscale, 2017, 9, 15371-15378.	5.6	24
21	Photonic Reactions Leading to Fluorescence in a Polymeric System Induced by the Photothermal Effect of Magnetite Nanoparticles Using a 780 nm Multiphoton Laser. Small, 2017, 13, 1700897.	10.0	8
22	Localized electroporation effect on adherent cells in modified electric cellâ€“substrate impedance sensing circuits. Applied Physics Express, 2016, 9, 107001.	2.4	1
23	Catalytic activity of vanadium oxide catalysts prepared by electrodeposition for the selective catalytic reduction of nitrogen oxides with ammonia. Reaction Kinetics, Mechanisms and Catalysis, 2016, 118, 633-641.	1.7	3
24	White-light-emitting magnetite nanoparticleâ€“polymer composites: photonic reactions of magnetic multi-granule nanoclusters as photothermal agents. Nanoscale, 2016, 8, 17136-17140.	5.6	6
25	Magnetic Anisotropy Evolution in CoFe/Au Barcode Nanowire Arrays. IEEE Transactions on Magnetism, 2014, 50, 1-4.	2.1	7