

Jeong Hoon Byeon

List of Publications by Year in descending order

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Version: 2024-02-01

53
papers

847
citations

430843

18
h-index

552766

26
g-index

53
all docs

53
docs citations

53
times ranked

1134
citing authors

#	ARTICLE	IF	CITATIONS
1	Spark generation of monometallic and bimetallic aerosol nanoparticles. <i>Journal of Aerosol Science</i> , 2008, 39, 888-896.	3.8	106
2	Plug-and-Play Nanorization of Coarse Black Phosphorus for Targeted Chemo-photoimmunotherapy of Colorectal Cancer. <i>ACS Nano</i> , 2018, 12, 10061-10074.	14.6	80
3	Morphology of metallic nanoparticles as a function of deposition time in electroless deposition of metal on multi-walled carbon nanotubes. <i>Surface and Coatings Technology</i> , 2008, 203, 357-363.	4.8	33
4	Tailored Black Phosphorus for Erythrocyte Membrane Nanocloaking with Interleukin-1 β siRNA and Paclitaxel for Targeted, Durable, and Mild Combination Cancer Therapy. <i>Theranostics</i> , 2019, 9, 6780-6796.	10.0	29
5	Ambient spark generation to synthesize carbon-encapsulated metal nanoparticles in continuous aerosol manner. <i>Nanoscale</i> , 2009, 1, 339.	5.6	27
6	Design and Application of an Inertial Impactor in Combination with an ATP Bioluminescence Detector for In Situ Rapid Estimation of the Efficacies of Air Controlling Devices on Removal of Bioaerosols. <i>Environmental Science & Technology</i> , 2010, 44, 1742-1746.	10.0	25
7	Aerosol-Based Fabrication of Biocompatible Organic-Inorganic Nanocomposites. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 2693-2698.	8.0	25
8	Aerosol Based Fabrication of Thiol-Capped Gold Nanoparticles and Their Application for Gene Transfection. <i>Chemistry of Materials</i> , 2012, 24, 3544-3549.	6.7	25
9	Vibrating droplet generation to assemble zwitterion-coated gold-graphene oxide stealth nanovesicles for effective pancreatic cancer chemo-phototherapy. <i>Nanoscale</i> , 2018, 10, 1742-1749.	5.6	25
10	Method for the Instant In-Flight Manufacture of Black Phosphorus to Assemble Core@Shell Nanocomposites for Targeted Photoimmunotherapy. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 24959-24970.	8.0	25
11	PEGylated lipid bilayer-wrapped nano-graphene oxides for synergistic co-delivery of doxorubicin and rapamycin to prevent drug resistance in cancers. <i>Nanotechnology</i> , 2017, 28, 295101.	2.6	24
12	Production of carbonaceous nanostructures from a silver-carbon ambient spark. <i>Applied Physics Letters</i> , 2010, 96, .	3.3	23
13	A batch-by-batch free route for the continuous production of black phosphorus nanosheets for targeted combination cancer therapy. <i>NPG Asia Materials</i> , 2018, 10, 727-739.	7.9	22
14	Catalytic Activation of Activated Carbon Fibers via Palladium Aerosol Nanoparticles for Use in Electroless Silver Deposition. <i>Journal of Physical Chemistry C</i> , 2008, 112, 3627-3632.	3.1	21
15	Fabrication of a Pure, Uniform Electroless Silver Film Using Ultrafine Silver Aerosol Particles. <i>Langmuir</i> , 2010, 26, 11928-11933.	3.5	21
16	Easy on-demand self-assembly of lateral nanodimensional hybrid graphene oxide flakes for near-infrared-induced chemothermal therapy. <i>NPG Asia Materials</i> , 2017, 9, e416-e416.	7.9	21
17	Removal of volatile organic compounds by spark generated carbon aerosol particles. <i>Carbon</i> , 2006, 44, 2106-2108.	10.3	20
18	Photothermally Modulatable and Structurally Disintegratable Sub-8-nm Au ₁ Ag ₉ Embedded Nanoblocks for Combination Cancer Therapy Produced by Plug-in Assembly. <i>ACS Nano</i> , 2020, 14, 11040-11054.	14.6	19

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19	Ambient plasma synthesis of TiO ₂ @graphite oxide nanocomposites for efficient photocatalytic hydrogenation. <i>Journal of Materials Chemistry A</i> , 2014, 2, 6939.	10.3	18
20	On-Demand Gas-to-Liquid Process To Fabricate Thermoresponsive Antimicrobial Nanocomposites and Coatings. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 15342-15349.	8.0	17
21	An aerosol-seed-assisted hybrid chemical route to synthesize anisotropic bimetallic nanoparticles. <i>Nanoscale</i> , 2012, 4, 6726.	5.6	16
22	Morphology and Structure of Aerosol Carbon-Encapsulated Metal Nanoparticles from Various Ambient Metal-Carbon Spark Discharges. <i>ACS Applied Materials & Interfaces</i> , 2010, 2, 947-951.	8.0	15
23	Plug-In Safe-by-Design Nanoinorganic Antibacterials. <i>ACS Nano</i> , 2019, 13, 12798-12809.	14.6	14
24	Continuous gas-phase synthesis of graphene nanoflakes hybridized by gold nanocrystals for efficient water purification and gene transfection. <i>Chemical Engineering Journal</i> , 2013, 229, 540-546.	12.7	13
25	Photoinduced Rapid Transformation from Au Nanoagglomerates to Drug-Conjugated Au Nanovesicles. <i>Advanced Science</i> , 2018, 5, 1700563.	11.2	13
26	Effects of ultrasonic processing on phase transition of flame-synthesized anatase TiO ₂ nanoparticles. <i>Materials Characterization</i> , 2009, 60, 1476-1481.	4.4	12
27	Artificial Nanoscale Erythrocytes from Clinically Relevant Compounds for Enhancing Cancer Immunotherapy. <i>Nano-Micro Letters</i> , 2020, 12, 90.	27.0	12
28	In situ lysis droplet supply to efficiently extract ATP from dust particles for near-real-time bioaerosol monitoring. <i>Journal of Hazardous Materials</i> , 2019, 369, 684-690.	12.4	10
29	Facile processing for instant production of clinically-approved nanoagents for combination cancer therapy. <i>Chemical Engineering Journal</i> , 2020, 383, 123177.	12.7	10
30	Evaporation-condensation in the presence of unipolar ionic flow for solvent-free production of ultrasmall antibacterial particles. <i>Chemical Engineering Journal</i> , 2020, 381, 122639.	12.7	10
31	Rapid green assembly of antimicrobial nanobunches. <i>Scientific Reports</i> , 2016, 6, 27006.	3.3	9
32	Nano-dry-salt deposition on electret nonwoven confers anticoronaviral effect while retaining aerosol filtration performance. <i>Environmental Science: Nano</i> , 2021, 8, 2780-2791.	4.3	9
33	Ag photoionization-induced single-pass assembly of Ag ₂ S nanodots in flowing thiol droplets. <i>Green Chemistry</i> , 2018, 20, 978-983.	9.0	8
34	A scalable on-demand platform to assemble base nanocarriers for combination cancer therapy. <i>Nanoscale</i> , 2018, 10, 11737-11744.	5.6	8
35	Aero-Self-Assembly of Ultrafine Gold Incorporated Silica Nanobunches for NIR-Induced Chemo-Thermal Therapy. <i>Small</i> , 2014, 10, 2331-2335.	10.0	7
36	Photoionization of Nanosized Aerosol Gold Agglomerates and Their Deposition To Form Nanoscale Islands on Substrates. <i>Langmuir</i> , 2014, 30, 8770-8775.	3.5	7

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37	Photo-derived transformation from modified chitosan@calcium carbonate nanohybrids to nanosponges. <i>Scientific Reports</i> , 2016, 6, 28782.	3.3	7
38	Plug-and-Play Continuous Gas Flow Assembly of Cysteine-Inserted AuCu Nanobimetal for Folate-Receptor-Targeted Chemo-Phototherapy. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 17193-17203.	8.0	7
39	Reducing the cytotoxicity of inhalable engineered nanoparticles via in situ passivation with biocompatible materials. <i>Journal of Hazardous Materials</i> , 2015, 292, 118-125.	12.4	6
40	Plug-and-play safe-by-design production of metal-doped tellurium nanoparticles with safer antimicrobial activities. <i>Environmental Science: Nano</i> , 2019, 6, 2074-2083.	4.3	6
41	Easy on-demand single-pass self-assembly and modification to fabricate gold@graphene-based anti-inflammatory nanoplatforms. <i>Scientific Reports</i> , 2016, 6, 34890.	3.3	5
42	Streamlined plug-in aerosol prototype for reconfigurable manufacture of nano-drug delivery systems. <i>Biomaterials</i> , 2022, 284, 121511.	11.4	5
43	Continuous gas-phase synthesis of metal oxide@graphene hybrid nanoflakes for the enhancement of lithium storage. <i>RSC Advances</i> , 2013, 3, 7259.	3.6	4
44	Photoassisted One-Step Aerosol Fabrication of Zwitterionic Chitosan Nanoparticles. <i>Biomacromolecules</i> , 2014, 15, 2320-2325.	5.4	4
45	Scalable hybrid chemical manufacture to photothermal therapy: PEG-capped phototransducers. <i>Scientific Reports</i> , 2016, 6, 31351.	3.3	4
46	Multifunctional metal-polymer nanoagglomerates from single-pass aerosol self-assembly. <i>Scientific Reports</i> , 2016, 6, 31329.	3.3	3
47	Direct fluorescent labeling for efficient biological assessment of inhalable particles. <i>Nanotoxicology</i> , 2017, 11, 953-963.	3.0	3
48	Utilizing deactivated catalysts from the nitric oxide removal process for the fabrication of metal oxide/carbon supercapacitors. <i>Green Chemistry</i> , 2019, 21, 491-497.	9.0	3
49	Reconfigurable plug-and-play assembly for the continuous production of composite anodes for modulating lithium storage. <i>Chemical Engineering Journal</i> , 2019, 364, 485-492.	12.7	3
50	Development of a size-selective sampler combined with an adenosine triphosphate bioluminescence assay for the rapid measurement of bioaerosols. <i>Environmental Research</i> , 2021, 194, 110615.	7.5	3
51	Combining plug-in devices for reconfigurable removal of trichloroethylene and heavy metal ion in aqueous solution: Application and biosafety of iron-iron sulfide and its composites. <i>Journal of Cleaner Production</i> , 2021, 314, 128069.	9.3	3
52	Green and continuous route to assemble lateral nanodimensional graphitic oxide composites without process interruption. <i>Green Chemistry</i> , 2018, 20, 2984-2989.	9.0	2
53	Coaxial Multiphase Flame for Continuous-Flow Assembly of Ternary Nanocomposite Photocatalysts. <i>Advanced Functional Materials</i> , 0, , 2110471.	14.9	0