

# Jaewon Lee

## List of Publications by Year in descending order

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Version: 2024-02-01

45  
papers

1,563  
citations

430442

18  
h-index

301761

39  
g-index

47  
all docs

47  
docs citations

47  
times ranked

2833  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of radial distribution of injected flow on simulated moving bed performance. Journal of Chromatography A, 2022, 1662, 462703.	1.8	2
2	Functionalized polymer dielectrics for low-operating voltage organic field-effect transistors. Journal of Materials Research, 2022, 37, 1547-1557.	1.2	2
3	Atomic Gradient Structure Alters Electronic Structure in 3D across the Bulk and Enhances Photoactivity. Advanced Energy Materials, 2021, 11, 2003548.	10.2	5
4	Atomic Gradient Structures: Atomic Gradient Structure Alters Electronic Structure in 3D across the Bulk and Enhances Photoactivity (Adv. Energy Mater. 13/2021). Advanced Energy Materials, 2021, 11, 2170052.	10.2	0
5	Pilot-Scale Optimization of the Solvent Exchange Production and Lyophilization Processing of PEG-PLA Block Copolymer-Encapsulated CaWO <sub>4</sub> Radioluminescent Nanoparticles for Theranostic Applications. Industrial & Engineering Chemistry Research, 2021, 60, 7081-7096.	1.8	2
6	Oriented attachment induces fivefold twins by forming and decomposing high-energy grain boundaries. Science, 2020, 367, 40-45.	6.0	136
7	Double-Tube Reactor Design and Process Optimization for On-Site Steam Methane Reforming Processes. Industrial & Engineering Chemistry Research, 2020, 59, 18028-18038.	1.8	30
8	Defect-induced anisotropic surface reactivity and ion transfer processes of anatase nanoparticles. Materials Today Chemistry, 2020, 17, 100290.	1.7	0
9	Nucleation and growth of PbSeO <sub>3</sub> , Pb <sub>3</sub> (CO <sub>3</sub> ) <sub>2</sub> (OH) <sub>2</sub> , and Se on the PbSe surfaces by decomposing PbSe in water. Inorganic Chemistry Communication, 2020, 118, 107989.	1.8	3
10	Unexpected conformational behavior of poly(poly(ethylene glycol) methacrylate)-poly(propylene) copolymers in micellar solution and at the air-water interface. Journal of Colloid and Interface Science, 2020, 566, 304-315.	5.0	8
11	Folic Acid-Conjugated Radioluminescent Calcium Tungstate Nanoparticles as Radio-Sensitizers for Cancer Radiotherapy. ACS Biomaterials Science and Engineering, 2019, 5, 4776-4789.	2.6	13
12	Edge Dislocations Induce Improved Photocatalytic Efficiency of Colored TiO <sub>2</sub> . Advanced Materials Interfaces, 2019, 6, 1901121.	1.9	30
13	Using In situ Gas Heating TEM to Investigate Compound Nanowire Growth Mechanisms. Microscopy and Microanalysis, 2019, 25, 1426-1427.	0.2	0
14	Real-time Investigation of Nanoparticle Self-assembly Mechanisms and Its Controlling Factors. Microscopy and Microanalysis, 2019, 25, 1416-1417.	0.2	0
15	Hydration-Driven Superlattices: Interplay between Short- and Long-Ranged Forces Leading to the Formation of Ag Nanoparticle Superlattice (Small 33/2019). Small, 2019, 15, 1970175.	5.2	0
16	Interplay between Short- and Long-Ranged Forces Leading to the Formation of Ag Nanoparticle Superlattice. Small, 2019, 15, 1901966.	5.2	19
17	Palladium nanostructures with well-controlled morphologies obtained by one-pot and one-step polyol method. Journal of Crystal Growth, 2019, 521, 34-40.	0.7	6
18	Radioluminescent nanoparticles for radiation-controlled release of drugs. Journal of Controlled Release, 2019, 303, 237-252.	4.8	23

#	ARTICLE	IF	CITATIONS
19	<i>In situ</i> characterization of kinetics and mass transport of PbSe nanowire growth via LS and VLS mechanisms. <i>Nanoscale</i> , 2019, 11, 5874-5878.	2.8	9
20	Highly Selective Supported Graphene Oxide Membranes for Water-Ethanol Separation. <i>Scientific Reports</i> , 2019, 9, 2251.	1.6	22
21	PEG-PLA-Coated and Uncoated Radio-Luminescent CaWO <sub>4</sub> Micro- and Nanoparticles for Concomitant Radiation and UV-A/Radio-Enhancement Cancer Treatments. <i>ACS Biomaterials Science and Engineering</i> , 2018, 4, 1445-1462.	2.6	18
22	Mechanistic Understanding of the Growth Kinetics and Dynamics of Nanoparticle Superlattices by Coupling Interparticle Forces from Real-Time Measurements. <i>ACS Nano</i> , 2018, 12, 12778-12787.	7.3	34
23	Laser-Induced CO <sub>2</sub> Generation from Gold Nanorod-Containing Poly(propylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tj ETQq1 1 0.784314 rgBT /Overlock 10 <i>Materials &amp; Interfaces</i> , 2018, 10, 26084-26098.	4.0	8
24	Hetero-nanostructured materials for high-power lithium ion batteries. <i>Journal of Colloid and Interface Science</i> , 2018, 529, 505-519.	5.0	18
25	Synthesis of Cu <sub>3.8</sub> Ni/CoO and Cu <sub>3.8</sub> Ni/MnO nanoparticles for advanced lithium-ion battery anode materials. <i>Nano Research</i> , 2017, 10, 1033-1043.	5.8	12
26	Nontoxic Formulations of Scintillation Nanocrystals for Use as X-ray Computed Tomography Contrast Agents. <i>Bioconjugate Chemistry</i> , 2017, 28, 171-182.	1.8	18
27	Numerical analysis of hydrogen ventilation in a confined facility with various opening sizes, positions and leak quantities. <i>Computer Aided Chemical Engineering</i> , 2017, 40, 559-564.	0.3	6
28	Block Copolymer-Encapsulated CaWO <sub>4</sub> Nanoparticles: Synthesis, Formulation, and Characterization. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 8608-8619.	4.0	20
29	Porous ternary complex metal oxide nanoparticles converted from core/shell nanoparticles. <i>Nano Research</i> , 2016, 9, 996-1004.	5.8	16
30	Comparative hyperthermia effects of silica&ndash;gold nanoshells with different surface coverage of gold clusters on epithelial tumor cells. <i>International Journal of Nanomedicine</i> , 2015, 10, 261.	3.3	14
31	CO <sub>2</sub> -producing polymer micelles. <i>Polymer Degradation and Stability</i> , 2015, 120, 149-157.	2.7	4
32	Bio-Inspired, Melanin-Like Nanoparticles as a Highly Efficient Contrast Agent for T <sub>1</sub> -Weighted Magnetic Resonance Imaging. <i>Biomacromolecules</i> , 2013, 14, 3491-3497.	2.6	138
33	The use of pH-sensitive positively charged polymeric micelles for protein delivery. <i>Biomaterials</i> , 2012, 33, 9157-9164.	5.7	95
34	Evaluation of Antiangiogenic Effects of a New Synthetic Candidate Drug KR-31831 on Xenografted Ovarian Carcinoma Using Dynamic Contrast Enhanced MRI. <i>Korean Journal of Radiology</i> , 2011, 12, 602.	1.5	12
35	pH-responsive polymeric micelle based on PEG-poly( $\beta$ -amino ester)/(amido amine) as intelligent vehicle for magnetic resonance imaging in detection of cerebral ischemic area. <i>Journal of Controlled Release</i> , 2011, 155, 11-17.	4.8	106
36	Synthesis and characterization of an amphiphilic graft polymer and its potential as a pH-sensitive drug carrier. <i>Polymer</i> , 2011, 52, 3304-3310.	1.8	29

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37	Magnetite Nanoparticle Encapsulated pH-Responsive Polymeric Micelle as an MRI Probe for Detecting Acidic Pathologic Areas. <i>Small</i> , 2010, 6, 1201-1204.	5.2	95
38	Gold-layered calcium phosphate plasmonic resonants for localized photothermal treatment of human epithelial cancer. <i>Journal of Materials Chemistry</i> , 2009, 19, 2902.	6.7	14
39	Smart Drug-Loaded Polymer Gold Nanoshells for Systemic and Localized Therapy of Human Epithelial Cancer. <i>Advanced Materials</i> , 2009, 21, 4339-4342.	11.1	151
40	Fabrication of Double-Doped Magnetic Silica Nanospheres and Deposition of Thin Gold Layer. <i>Bulletin of the Korean Chemical Society</i> , 2009, 30, 869-872.	1.0	15
41	Multifunctional Magnetic Gold Nanocomposites: Human Epithelial Cancer Detection via Magnetic Resonance Imaging and Localized Synchronous Therapy. <i>Advanced Functional Materials</i> , 2008, 18, 258-264.	7.8	123
42	Hollow Silica Nanocontainers as Drug Delivery Vehicles. <i>Langmuir</i> , 2008, 24, 3417-3421.	1.6	230
43	Magnetic sensitivity enhanced novel fluorescent magnetic silica nanoparticles for biomedical applications. <i>Nanotechnology</i> , 2008, 19, 075610.	1.3	21
44	Nanoparticle contrast agents for Terahertz medical imaging. , 2008, , .		4
45	Retargeting of adenoviral gene delivery via Herceptin-PEG adenovirus conjugates to breast cancer cells. <i>Journal of Controlled Release</i> , 2007, 123, 164-171.	4.8	51