

Young-wook Jun

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis and Preliminary Biological Assessment of Carborane-Loaded Theranostic Nanoparticles to Target Prostate-Specific Membrane Antigen. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 54739-54752.	4.0	9
2	Small, Clickable, and Monovalent Magnetofluorescent Nanoparticles Enable Mechanogenetic Regulation of Receptors in a Crowded Live-Cell Microenvironment. <i>Nano Letters</i> , 2019, 19, 3761-3769.	4.5	14
3	Magnetic Nanotweezers for Interrogating Biological Processes in Space and Time. <i>Accounts of Chemical Research</i> , 2018, 51, 839-849.	7.6	41
4	Single-cell mechanogenetics using monovalent magnetoplasmonic nanoparticles. <i>Nature Protocols</i> , 2017, 12, 1871-1889.	5.5	48
5	A Mechanogenetic Toolkit for Interrogating Cell Signaling in Space and Time. <i>Cell</i> , 2016, 165, 1507-1518.	13.5	143
6	Monovalent plasmonic nanoparticles for biological applications. , 2016, , .		2
7	In Vitro Capture of Small Ferrous Particles with a Magnetic Filtration Device Designed for Intravascular Use with Intraarterial Chemotherapy: Proof-of-Concept Study. <i>Journal of Vascular and Interventional Radiology</i> , 2016, 27, 426-432.e1.	0.2	10
8	Sensitive and Selective Plasmon Ruler Nanosensors for Monitoring the Apoptotic Drug Response in Leukemia. <i>ACS Nano</i> , 2014, 8, 9199-9208.	7.3	36
9	MEK-Dependent Negative Feedback Underlies BCR-ABL-Mediated Oncogene Addiction. <i>Cancer Discovery</i> , 2014, 4, 200-215.	7.7	29
10	Single-Molecule Sensing of Caspase Activation in Live Cells via Plasmon Coupling Nanotechnology. <i>Methods in Enzymology</i> , 2014, 544, 271-297.	0.4	1
11	Regulating Spatiotemporal Dynamics of Notch Signaling in Live Cells via Magnetoplasmonic Nanoprobes. <i>Biophysical Journal</i> , 2014, 106, 224a.	0.2	0
12	Production and Targeting of Monovalent Quantum Dots. <i>Journal of Visualized Experiments</i> , 2014, , e52198.	0.2	2
13	Formation of targeted monovalent quantum dots by steric exclusion. <i>Nature Methods</i> , 2013, 10, 1203-1205.	9.0	152
14	Multiple twinning drives nanoscale hyper-branching of titanium dioxide nanocrystals. <i>Journal of Materials Chemistry</i> , 2011, 21, 10283.	6.7	14
15	Coupling of Optical Resonances in a Compositionally Asymmetric Plasmonic Nanoparticle Dimer. <i>Nano Letters</i> , 2010, 10, 2655-2660.	4.5	351
16	Continuous imaging of plasmon rulers in live cells reveals early-stage caspase-3 activation at the single-molecule level. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 17735-17740.	3.3	183
17	Observation of Single Colloidal Platinum Nanocrystal Growth Trajectories. <i>Science</i> , 2009, 324, 1309-1312.	6.0	1,200
18	Hetero-Epitaxial Anion Exchange Yields Single-Crystalline Hollow Nanoparticles. <i>Journal of the American Chemical Society</i> , 2009, 131, 13943-13945.	6.6	221

#	ARTICLE	IF	CITATIONS
19	Chemical Design of Nanoparticle Probes for High-Performance Magnetic Resonance Imaging. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 5122-5135.	7.2	809
20	Nanoscaling Laws of Magnetic Nanoparticles and Their Applicabilities in Biomedical Sciences. <i>Accounts of Chemical Research</i> , 2008, 41, 179-189.	7.6	760
21	Heterostructured magnetic nanoparticles: their versatility and high performance capabilities. <i>Chemical Communications</i> , 2007, , 1203-1214.	2.2	259
22	Magnetic Nanoparticle Assisted Molecular MR Imaging. <i>Advances in Experimental Medicine and Biology</i> , 2007, 620, 85-106.	0.8	20
23	Two-Dimensional Nanosheet Crystals. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 8828-8831.	7.2	308
24	Artificially engineered magnetic nanoparticles for ultra-sensitive molecular imaging. <i>Nature Medicine</i> , 2007, 13, 95-99.	15.2	1,756
25	Highly crystalline anisotropic superstructures via magnetic field induced nanoparticle assembly. <i>Chemical Communications</i> , 2007, , 5001.	2.2	46
26	Biocompatible Heterostructured Nanoparticles for Multimodal Biological Detection. <i>Journal of the American Chemical Society</i> , 2006, 128, 15982-15983.	6.6	332
27	Selective catalytic activity of ball-shaped Pd@MCM-48 nanocatalysts. <i>Chemical Communications</i> , 2006, , 1325.	2.2	37
28	The Concept of Delayed Nucleation in Nanocrystal Growth Demonstrated for the Case of Iron Oxide Nanodisks. <i>Journal of the American Chemical Society</i> , 2006, 128, 1675-1682.	6.6	240
29	Shape Control of Semiconductor and Metal Oxide Nanocrystals through Nonhydrolytic Colloidal Routes. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 3414-3439.	7.2	1,075
30	Dual-Mode Nanoparticle Probes for High-Performance Magnetic Resonance and Fluorescence Imaging of Neuroblastoma. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 8160-8162.	7.2	326
31	Magnetic superlattices and their nanoscale phase transition effects. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 3023-3027.	3.3	89
32	Nanoscale Size Effect of Magnetic Nanocrystals and Their Utilization for Cancer Diagnosis via Magnetic Resonance Imaging. <i>Journal of the American Chemical Society</i> , 2005, 127, 5732-5733.	6.6	1,131
33	Symmetry-Controlled Colloidal Nanocrystals: Nonhydrolytic Chemical Synthesis and Shape Determining Parameters. <i>ChemInform</i> , 2005, 36, no.	0.1	0
34	Surface Modulation of Magnetic Nanocrystals in the Development of Highly Efficient Magnetic Resonance Probes for Intracellular Labeling. <i>Journal of the American Chemical Society</i> , 2005, 127, 9992-9993.	6.6	299
35	In Situ One-Pot Synthesis of 1-Dimensional Transition Metal Oxide Nanocrystals. <i>Journal of Physical Chemistry B</i> , 2005, 109, 5389-5391.	1.2	137
36	Spontaneous one dimensional arrangement of spherical Au nanoparticles with liquid crystal ligands. <i>Chemical Communications</i> , 2005, , 800.	2.2	79

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37	In Vivo Magnetic Resonance Detection of Cancer by Using Multifunctional Magnetic Nanocrystals. Journal of the American Chemical Society, 2005, 127, 12387-12391.	6.6	829
38	Symmetry-Controlled Colloidal Nanocrystals: A Nonhydrolytic Chemical Synthesis and Shape Determining Parameters. Journal of Physical Chemistry B, 2005, 109, 14795-14806.	1.2	268
39	Colloidal Inorganic Nanocrystal Building Blocks. , 2005, , 75-100.		0
40	Characterization of Superparamagnetic "Core" Shell Nanoparticles and Monitoring Their Anisotropic Phase Transition to Ferromagnetic "Solid Solution" Nanoalloys. Journal of the American Chemical Society, 2004, 126, 9072-9078.	6.6	196
41	Thiacrownether-mediated Size-controlled Assembly of Gold Nanoparticles. Chemistry Letters, 2004, 33, 1530-1531.	0.7	1
42	Architecture of Nanocrystal Building Blocks. Nanostructure Science and Technology, 2004, , 53-87.	0.1	1
43	Surfactant-Assisted Elimination of a High Energy Facet as a Means of Controlling the Shapes of TiO ₂ Nanocrystals. Journal of the American Chemical Society, 2003, 125, 15981-15985.	6.6	556
44	Architectural Control of Magnetic Semiconductor Nanocrystals. Journal of the American Chemical Society, 2002, 124, 615-619.	6.6	384
45	Sterically Induced Shape and Crystalline Phase Control of GaP Nanocrystals. Journal of the American Chemical Society, 2002, 124, 13656-13657.	6.6	136
46	Single-Crystalline Star-Shaped Nanocrystals and Their Evolution: A Programming the Geometry of Nano-Building Blocks. Journal of the American Chemical Society, 2002, 124, 11244-11245.	6.6	513
47	Superlattice and Magnetism Directed by the Size and Shape of Nanocrystals. ChemPhysChem, 2002, 3, 543.	1.0	81
48	Controlled Synthesis of Multi-armed CdS Nanorod Architectures Using Monosurfactant System. Journal of the American Chemical Society, 2001, 123, 5150-5151.	6.6	531
49	Size and shape controlled ZnTe nanocrystals with quantum confinement effect. Chemical Communications, 2001, , 101-102.	2.2	97
50	Convenient Molecular Approach of Size and Shape Controlled ZnSe and ZnTe Nanocrystals. Materials Research Society Symposia Proceedings, 2001, 635, C4.47.1.	0.1	1
51	Synthesis of Porous Palladium Superlattice Nanoballs and Nanowires. Chemistry of Materials, 2000, 12, 3530-3532.	3.2	115
52	One-step synthesis of size tuned zinc selenide quantum dots via a temperature controlled molecular precursor approach. Chemical Communications, 2000, , 1243-1244.	2.2	90
53	Nanoparticle Contrast Agents for Molecular Magnetic Resonance Imaging. , 0, , 321-346.		4