Youngjin Jang

List of Publications by Year
in descending order

36 papers	5,004 citations	201674 27 h-index	315739 38 g-index
41 all docs	41 docs citations	41 times ranked	7758 citing authors

#	Article	IF	Citations
1	Simple fabrication of SWIR detectors based on wet deposition of carbon nanotubes and quantum dots. Sensors and Actuators A: Physical, 2019, 295, 469-473.	4.1	2
2	Recent Advances in Colloidal IVâ€“VI Core/Shell Heterostructured Nanocrystals. Journal of Physical Chemistry C, 2018, 122, 13840-13847.	3.1	4
3	Kirkendall Effect: Main Growth Mechanism for a New SnTe/PbTe/SnO₂ Nano-Heterostructure. Chemistry of Materials, 2018, 30, 3141-3149.	6.7	17
4	Towards Low-Toxic Colloidal Quantum Dots. Zeitschrift Fur Physikalische Chemie, 2018, 232, 1443-1455.	2.8	6
5	2.8Âµm infrared photodetectors based on PbSe colloidal quantum dot films. , 2018, , .		0
6	Shape-Controlled Synthesis of Au Nanostructures Using EDTA Tetrasodium Salt and Their Photothermal Therapy Applications. Nanomaterials, 2018, 8, 252.	4.1	15
7	Fundamental Properties in Colloidal Quantum Dots. Advanced Materials, 2018, 30, e1801442.	21.0	37
8	Interface control of electronic and optical properties in IVâ€“VI and IIâ€“VI core/shell colloidal quantum dots: a review. Chemical Communications, 2017, 53, 1002-1024.	4.1	89
9	Selfâ€Assembled Dendritic Pt Nanostructure with Highâ€Index Facets as Highly Active and Durable Electrocatalyst for Oxygen Reduction. ChemSusChem, 2017, 10, 3063-3068.	6.8	23
10	High performance infrared photodetectors up to 28 Âµm wavelength based on lead selenide colloidal quantum dots. Optical Materials Express, 2017, 7, 2326.	3.0	32
11	Influence of Interfacial Strain on Optical Properties of PbSe/PbS Colloidal Quantum Dots. Chemistry of Materials, 2016, 28, 9056-9063.	6.7	28
12	Tuning Optical Activity of IVâ€“VI Colloidal Quantum Dots in the Short-Wave Infrared (SWIR) Spectral Regime. Chemistry of Materials, 2016, 28, 6409-6416.	6.7	30
13	pH-Sensitive Pt Nanocluster Assembly Overcomes Cisplatin Resistance and Heterogeneous Stemness of Hepatocellular Carcinoma. ACS Central Science, 2016, 2, 802-811.	11.3	101
14	Cation Exchange Combined with Kirkendall Effect in the Preparation of SnTe/CdTe and CdTe/SnTe Core/Shell Nanocrystals. Journal of Physical Chemistry Letters, 2016, 7, 2602-2609.	4.6	31
15	Surface engineered gold nanoparticles through highly stable metalâ€“surfactant complexes. Journal of Colloid and Interface Science, 2016, 464, 110-116.	9.4	5
16	A simple synthesis of urchin-like Ptâ€“Ni bimetallic nanostructures as enhanced electrocatalysts for the oxygen reduction reaction. Chemical Communications, 2016, 52, 597-600.	4.1	47
17	The effect of low temperature coating and annealing on structural and optical properties of CdSe/CdS core/shell QDs. Lithuanian Journal of Physics, 2016, 55, .	0.4	4
18	Magnetically separable carbon nanocomposite catalysts for efficient nitroarene reduction and Suzuki reactions. Applied Catalysis A: General, 2014, 476, 133-139.	4.3	73

#	Article	IF	Citations
19	Magnetically Recoverable Nanoflake-Shaped Iron Oxide/Pt Heterogeneous Catalysts and Their Excellent Catalytic Performance in the Hydrogenation Reaction. ACS Applied Materials & Interfaces, 2014, 6, 1887-1892.	8.0	33
20	Heck and Sonogashira cross-coupling reactions using recyclable Pdâ€“Fe3O4 heterodimeric nanocrystal catalysts. Tetrahedron Letters, 2013, 54, 5192-5196.	1.4	68
21	One-pot synthesis of magnetically recyclable mesoporous silica supported acidâ€“base catalysts for tandem reactions. Chemical Communications, 2013, 49, 7821.	4.1	53
22	Highly selective Wacker oxidation of terminal olefins using magnetically recyclable Pdâ€“Fe3O4 heterodimer nanocrystals. RSC Advances, 2013, 3, 16296.	3.6	32
23	Simple one-pot synthesis of Rhâ€“Fe3O4 heterodimer nanocrystals and their applications to a magnetically recyclable catalyst for efficient and selective reduction of nitroarenes and alkenes. Chemical Communications, 2011, 47, 3601.	4.1	112
24	Simple synthesis of Pdâ€“Fe3O4 heterodimer nanocrystals and their application as a magnetically recyclable catalyst for Suzuki cross-coupling reactions. Physical Chemistry Chemical Physics, 2011, 13, 2512.	2.8	126
25	Magnetic Pd nanoparticles: effects of surface atoms. Journal of Physics Condensed Matter, 2008, 20, 295209.	1.8	21
26	Simple and Generalized Synthesis of Oxideâˆ'Metal Heterostructured Nanoparticles and their Applications in Multimodal Biomedical Probes. Journal of the American Chemical Society, 2008, 130, 15573-15580.	13.7	162
27	Synthesis of Monodisperse Spherical Nanocrystals. Angewandte Chemie - International Edition, 2007, 46, 4630-4660.	13.8	1,751
28	A Magnetically Recyclable Nanocomposite Catalyst for Olefin Epoxidation. Angewandte Chemie - International Edition, 2007, 46, 7039-7043.	13.8	303
29	A Magnetically Recyclable Nanocomposite Catalyst for Olefin Epoxidation. Angewandte Chemie, 2007, 119, 7169-7173.	2.0	82
30	Facile Aqueous-Phase Synthesis of Uniform Palladium Nanoparticles of Various Shapes and Sizes. Small, 2007, 3, 255-260.	10.0	164
31	Generalized Fabrication of Multifunctional Nanoparticle Assemblies on Silica Spheres. Angewandte Chemie - International Edition, 2006, 45, 4789-4793.	13.8	227
32	Synthesis and catalytic applications of uniform-sized nanocrystals. Studies in Surface Science and Catalysis, 2006, 159, 47-54.	1.5	4
33	Synthesis of monodisperse chromium nanoparticles from the thermolysis of a Fischer carbene complex. Chemical Communications, 2005, , 86.	4.1	28
34	Designed Synthesis of Atom-Economical Pd/Ni Bimetallic Nanoparticle-Based Catalysts for Sonogashira Coupling Reactions. Journal of the American Chemical Society, 2004, 126, 5026-5027.	13.7	465
35	Facile Synthesis of Various Phosphine-Stabilized Monodisperse Palladium Nanoparticles through the Understanding of Coordination Chemistry of the Nanoparticles. Nano Letters, 2004, 4, 1147-1151.	9.1	226
36	Synthesis of Monodisperse Palladium Nanoparticles. Nano Letters, 2003, 3, 1289-1291.	9.1	403