Youngjin Jang

List of Publications by Year in Descending Order

37 papers	4,560 citations	25 h-index	41 g-index
41 ext. papers	4,798 ext. citations	7.9 avg, IF	5.03 L-index

#	Paper	IF	Citations
37	Simple fabrication of SWIR detectors based on wet deposition of carbon nanotubes and quantum dots. *Sensors and Actuators A: Physical*, **2019**, 295, 469-473	3.9	1
36	Recent Advances in Colloidal IV□VI Core/Shell Heterostructured Nanocrystals. *Journal of Physical Chemistry C*, **2018**, 122, 13840-13847	3.8	4
35	Kirkendall Effect: Main Growth Mechanism for a New SnTe/PbTe/SnO2 Nano-Heterostructure. *Chemistry of Materials*, **2018**, 30, 3141-3149	9.6	13
34	Towards Low-Toxic Colloidal Quantum Dots. *Zeitschrift Fur Physikalische Chemie*, **2018**, 232, 1443-1455	3.1	4
33	Shape-Controlled Synthesis of Au Nanostructures Using EDTA Tetrasodium Salt and Their Photothermal Therapy Applications. *Nanomaterials*, **2018**, 8,	5.4	8
32	Fundamental Properties in Colloidal Quantum Dots. *Advanced Materials*, **2018**, 30, e1801442	24	25
31	Interface control of electronic and optical properties in IV-VI and II-VI core/shell colloidal quantum dots: a review. *Chemical Communications*, **2017**, 53, 1002-1024	5.8	67
30	Self-Assembled Dendritic Pt Nanostructure with High-Index Facets as Highly Active and Durable Electrocatalyst for Oxygen Reduction. *ChemSusChem*, **2017**, 10, 3063-3068	8.3	17
29	High performance infrared photodetectors up to 28 □m wavelength based on lead selenide colloidal quantum dots. *Optical Materials Express*, **2017**, 7, 2326	2.6	25
28	pH-Sensitive Pt Nanocluster Assembly Overcomes Cisplatin Resistance and Heterogeneous Stemness of Hepatocellular Carcinoma. *ACS Central Science*, **2016**, 2, 802-811	16.8	77
27	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, 2602-9	6.4	28
26	Surface engineered gold nanoparticles through highly stable metal-surfactant complexes. *Journal of Colloid and Interface Science*, **2016**, 464, 110-6	9.3	4
25	A simple synthesis of urchin-like Pt-Ni bimetallic nanostructures as enhanced electrocatalysts for the oxygen reduction reaction. *Chemical Communications*, **2016**, 52, 597-600	5.8	44
24	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,	1.1	3
23	Influence of Interfacial Strain on Optical Properties of PbSe/PbS Colloidal Quantum Dots. *Chemistry of Materials*, **2016**, 28, 9056-9063	9.6	24
22	Tuning Optical Activity of IV□VI Colloidal Quantum Dots in the Short-Wave Infrared (SWIR) Spectral Regime. *Chemistry of Materials*, **2016**, 28, 6409-6416	9.6	22
21	Magnetically recoverable nanoflake-shaped iron oxide/Pt heterogeneous catalysts and their excellent catalytic performance in the hydrogenation reaction. *ACS Applied Materials & Interfaces*, **2014**, 6, 1887-92	9.5	31

20	Magnetically separable carbon nanocomposite catalysts for efficient nitroarene reduction and Suzuki reactions. *Applied Catalysis A: General*, **2014**, 476, 133-139	5.1	67
19	Heck and Sonogashira cross-coupling reactions using recyclable Pd□Fe3O4 heterodimeric nanocrystal catalysts. *Tetrahedron Letters*, **2013**, 54, 5192-5196	2	59
18	One-pot synthesis of magnetically recyclable mesoporous silica supported acid-base catalysts for tandem reactions. *Chemical Communications*, **2013**, 49, 7821-3	5.8	49
17	Highly selective Wacker oxidation of terminal olefins using magnetically recyclable Pd□Fe3O4 heterodimer nanocrystals. *RSC Advances*, **2013**, 3, 16296	3.7	27
16	Simple one-pot synthesis of Rh-Fe3O4 heterodimer nanocrystals and their applications to a magnetically recyclable catalyst for efficient and selective reduction of nitroarenes and alkenes. *Chemical Communications*, **2011**, 47, 3601-3	5.8	101
15	Simple synthesis of Pd-Fe3O4 heterodimer nanocrystals and their application as a magnetically recyclable catalyst for Suzuki cross-coupling reactions. *Physical Chemistry Chemical Physics*, **2011**, 13, 2512-6	3.6	120
14	Simple and generalized synthesis of oxide-metal heterostructured nanoparticles and their applications in multimodal biomedical probes. *Journal of the American Chemical Society*, **2008**, 130, 15573-80	16.4	156
13	Magnetic Pd nanoparticles: effects of surface atoms. *Journal of Physics Condensed Matter*, **2008**, 20, 295209	2.2	17
12	Synthesis of monodisperse spherical nanocrystals. *Angewandte Chemie - International Edition*, **2007**, 46, 4630-60	16.4	1613
11	A magnetically recyclable nanocomposite catalyst for olefin epoxidation. *Angewandte Chemie - International Edition*, **2007**, 46, 7039-43	16.4	286
10	Synthese monodisperser sph□ischer Nanokristalle. *Angewandte Chemie*, **2007**, 119, 4714-4745	3.6	134
9	A Magnetically Recyclable Nanocomposite Catalyst for Olefin Epoxidation. *Angewandte Chemie*, **2007**, 119, 7169-7173	3.6	81
8	Facile aqueous-phase synthesis of uniform palladium nanoparticles of various shapes and sizes. *Small*, **2007**, 3, 255-60	11	148
7	Generalized fabrication of multifunctional nanoparticle assemblies on silica spheres. *Angewandte Chemie - International Edition*, **2006**, 45, 4789-93	16.4	215
6	Generalized Fabrication of Multifunctional Nanoparticle Assemblies on Silica Spheres. *Angewandte Chemie*, **2006**, 118, 4907-4911	3.6	59
5	Synthesis and catalytic applications of uniform-sized nanocrystals. *Studies in Surface Science and Catalysis*, **2006**, 159, 47-54	1.8	3
4	Synthesis of monodisperse chromium nanoparticles from the thermolysis of a Fischer carbene complex. *Chemical Communications*, **2005**, 86-8	5.8	25
3	Designed synthesis of atom-economical pd/ni bimetallic nanoparticle-based catalysts for sonogashira coupling reactions. *Journal of the American Chemical Society*, **2004**, 126, 5026-7	16.4	429

2	Facile Synthesis of Various Phosphine-Stabilized Monodisperse Palladium Nanoparticles through the Understanding of Coordination Chemistry of the Nanoparticles. *Nano Letters*, **2004**, 4, 1147-1151	11.5	210
1	Synthesis of Monodisperse Palladium Nanoparticles. *Nano Letters*, **2003**, 3, 1289-1291	11.5	361