

Youngjin Jang

List of Publications by Year in descending order

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36
papers

5,004
citations

201674

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315739

38
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41
all docs

41
docs citations

41
times ranked

7758
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of Monodisperse Spherical Nanocrystals. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 4630-4660.	13.8	1,751
2	Designed Synthesis of Atom-Economical Pd/Ni Bimetallic Nanoparticle-Based Catalysts for Sonogashira Coupling Reactions. <i>Journal of the American Chemical Society</i> , 2004, 126, 5026-5027.	13.7	465
3	Synthesis of Monodisperse Palladium Nanoparticles. <i>Nano Letters</i> , 2003, 3, 1289-1291.	9.1	403
4	A Magnetically Recyclable Nanocomposite Catalyst for Olefin Epoxidation. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 7039-7043.	13.8	303
5	Generalized Fabrication of Multifunctional Nanoparticle Assemblies on Silica Spheres. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 4789-4793.	13.8	227
6	Facile Synthesis of Various Phosphine-Stabilized Monodisperse Palladium Nanoparticles through the Understanding of Coordination Chemistry of the Nanoparticles. <i>Nano Letters</i> , 2004, 4, 1147-1151.	9.1	226
7	Facile Aqueous-Phase Synthesis of Uniform Palladium Nanoparticles of Various Shapes and Sizes. <i>Small</i> , 2007, 3, 255-260.	10.0	164
8	Simple and Generalized Synthesis of Oxide~Metal Heterostructured Nanoparticles and their Applications in Multimodal Biomedical Probes. <i>Journal of the American Chemical Society</i> , 2008, 130, 15573-15580.	13.7	162
9	Simple synthesis of Pd~Fe ₃ O ₄ heterodimer nanocrystals and their application as a magnetically recyclable catalyst for Suzuki cross-coupling reactions. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 2512.	2.8	126
10	Simple one-pot synthesis of Rh~Fe ₃ O ₄ heterodimer nanocrystals and their applications to a magnetically recyclable catalyst for efficient and selective reduction of nitroarenes and alkenes. <i>Chemical Communications</i> , 2011, 47, 3601.	4.1	112
11	pH-Sensitive Pt Nanocluster Assembly Overcomes Cisplatin Resistance and Heterogeneous Stemness of Hepatocellular Carcinoma. <i>ACS Central Science</i> , 2016, 2, 802-811.	11.3	101
12	Interface control of electronic and optical properties in IV~VI and II~VI core/shell colloidal quantum dots: a review. <i>Chemical Communications</i> , 2017, 53, 1002-1024.	4.1	89
13	A Magnetically Recyclable Nanocomposite Catalyst for Olefin Epoxidation. <i>Angewandte Chemie</i> , 2007, 119, 7169-7173.	2.0	82
14	Magnetically separable carbon nanocomposite catalysts for efficient nitroarene reduction and Suzuki reactions. <i>Applied Catalysis A: General</i> , 2014, 476, 133-139.	4.3	73
15	Heck and Sonogashira cross-coupling reactions using recyclable Pd~Fe ₃ O ₄ heterodimeric nanocrystal catalysts. <i>Tetrahedron Letters</i> , 2013, 54, 5192-5196.	1.4	68
16	One-pot synthesis of magnetically recyclable mesoporous silica supported acid~base catalysts for tandem reactions. <i>Chemical Communications</i> , 2013, 49, 7821.	4.1	53
17	A simple synthesis of urchin-like Pt~Ni bimetallic nanostructures as enhanced electrocatalysts for the oxygen reduction reaction. <i>Chemical Communications</i> , 2016, 52, 597-600.	4.1	47
18	Fundamental Properties in Colloidal Quantum Dots. <i>Advanced Materials</i> , 2018, 30, e1801442.	21.0	37

#	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	Highly selective Wacker oxidation of terminal olefins using magnetically recyclable Pd ^{II} -Fe ₃ O ₄ heterodimer nanocrystals. RSC Advances, 2013, 3, 16296.	3.6	32
21	High performance infrared photodetectors up to 28 μ m wavelength based on lead selenide colloidal quantum dots. Optical Materials Express, 2017, 7, 2326.	3.0	32
22	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
23	Tuning Optical Activity of IV-VI Colloidal Quantum Dots in the Short-Wave Infrared (SWIR) Spectral Regime. Chemistry of Materials, 2016, 28, 6409-6416.	6.7	30
24	Synthesis of monodisperse chromium nanoparticles from the thermolysis of a Fischer carbene complex. Chemical Communications, 2005, , 86.	4.1	28
25	Influence of Interfacial Strain on Optical Properties of PbSe/PbS Colloidal Quantum Dots. Chemistry of Materials, 2016, 28, 9056-9063.	6.7	28
26	Self-Assembled Dendritic Pt Nanostructure with High-Index Facets as Highly Active and Durable Electrocatalyst for Oxygen Reduction. ChemSusChem, 2017, 10, 3063-3068.	6.8	23
27	Magnetic Pd nanoparticles: effects of surface atoms. Journal of Physics Condensed Matter, 2008, 20, 295209.	1.8	21
28	Kirkendall Effect: Main Growth Mechanism for a New SnTe/PbTe/SnO ₂ Nano-Heterostructure. Chemistry of Materials, 2018, 30, 3141-3149.	6.7	17
29	Shape-Controlled Synthesis of Au Nanostructures Using EDTA Tetrasodium Salt and Their Photothermal Therapy Applications. Nanomaterials, 2018, 8, 252.	4.1	15
30	Towards Low-Toxic Colloidal Quantum Dots. Zeitschrift Fur Physikalische Chemie, 2018, 232, 1443-1455.	2.8	6
31	Surface engineered gold nanoparticles through highly stable metal-surfactant complexes. Journal of Colloid and Interface Science, 2016, 464, 110-116.	9.4	5
32	Synthesis and catalytic applications of uniform-sized nanocrystals. Studies in Surface Science and Catalysis, 2006, 159, 47-54.	1.5	4
33	Recent Advances in Colloidal IV-VI Core/Shell Heterostructured Nanocrystals. Journal of Physical Chemistry C, 2018, 122, 13840-13847.	3.1	4
34	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
35	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
36	2.8 μ m infrared photodetectors based on PbSe colloidal quantum dot films. , 2018, , .		0