Jin Joo

List of Publications by Year in descending order

31 papers	6,562 citations	236612 25 h-index	377514 34 g-index
37 all docs	37 docs citations	37 times ranked	9207 citing authors

#	Article	IF	Citations
1	Synthesis of Monodisperse Spherical Nanocrystals. Angewandte Chemie - International Edition, 2007, 46, 4630-4660.	7.2	1,751
2	Generalized and Facile Synthesis of Semiconducting Metal Sulfide Nanocrystals. Journal of the American Chemical Society, 2003, 125, 11100-11105.	6.6	619
3	Synthesis of Quantum-Sized Cubic ZnS Nanorods by the Oriented Attachment Mechanism. Journal of the American Chemical Society, 2005, 127, 5662-5670.	6.6	443
4	New Aspects of Carrier Multiplication in Semiconductor Nanocrystals. Accounts of Chemical Research, 2008, 41, 1810-1819.	7.6	393
5	Large-Scale Synthesis of TiO2Nanorods via Nonhydrolytic Solâ˜'Gel Ester Elimination Reaction and Their Application to Photocatalytic Inactivation ofE.coli. Journal of Physical Chemistry B, 2005, 109, 15297-15302.	1.2	379
6	Multigram Scale Synthesis and Characterization of Monodisperse Tetragonal Zirconia Nanocrystals. Journal of the American Chemical Society, 2003, 125, 6553-6557.	6.6	373
7	Largeâ€Scale Soft Colloidal Template Synthesis of 1.4â€...nm Thick CdSe Nanosheets. Angewandte Chemie - International Edition, 2009, 48, 6861-6864.	7.2	298
8	Low-Temperature Solution-Phase Synthesis of Quantum Well Structured CdSe Nanoribbons. Journal of the American Chemical Society, 2006, 128, 5632-5633.	6.6	270
9	Large-Scale Nonhydrolytic Sol-Gel Synthesis of Uniform-Sized Ceria Nanocrystals with Spherical, Wire, and Tadpole Shapes. Angewandte Chemie - International Edition, 2005, 44, 7411-7414.	7.2	238
10	Giant Zeeman splitting in nucleation-controlled doped CdSe:Mn2+ quantum nanoribbons. Nature Materials, 2010, 9, 47-53.	13.3	222
11	Highly Effective Surface Passivation of PbSe Quantum Dots through Reaction with Molecular Chlorine. Journal of the American Chemical Society, 2012, 134, 20160-20168.	6.6	221
12	Apparent Versus True Carrier Multiplication Yields in Semiconductor Nanocrystals. Nano Letters, 2010, 10, 2049-2057.	4.5	214
13	Colloidal Synthesis of Ultrathin Twoâ€Dimensional Semiconductor Nanocrystals. Advanced Materials, 2011, 23, 3214-3219.	11.1	127
14	A tailored TiO2 electron selective layer for high-performance flexible perovskite solar cells via low temperature UV process. Nano Energy, 2016, 28, 380-389.	8.2	116
15	A Reduction Pathway in the Synthesis of PbSe Nanocrystal Quantum Dots. Journal of the American Chemical Society, 2009, 131, 10620-10628.	6.6	106
16	Dimensionâ€Controlled Synthesis of CdS Nanocrystals: From 0D Quantum Dots to 2D Nanoplates. Small, 2012, 8, 2394-2402.	5.2	99
17	Spectroscopic Signatures of Photocharging due to Hot-Carrier Transfer in Solutions of Semiconductor Nanocrystals under Low-Intensity Ultraviolet Excitation. ACS Nano, 2010, 4, 6087-6097.	7.3	87
18	Copperâ€“indiumâ€“selenide quantum dot-sensitized solar cells. Physical Chemistry Chemical Physics, 2013, 15, 20517.	1.3	69

#	Article	IF	Citations
19	Advances in the Colloidal Synthesis of Two-Dimensional Semiconductor Nanoribbons. Chemistry of Materials, 2013, 25, 1190-1198.	3.2	63
20	Diameter-Controlled Synthesis of Discrete and Uniform-Sized Single-Walled Carbon Nanotubes Using Monodisperse Iron Oxide Nanoparticles Embedded in Zirconia Nanoparticle Arrays as Catalysts. Journal of Physical Chemistry B, 2004, 108, 8091-8095.	1.2	50
21	Magnetically-separable and highly-stable enzyme system based on crosslinked enzyme aggregates shipped in magnetite-coated mesoporous silica. Journal of Materials Chemistry, 2009, 19, 7864.	6.7	44
22	Fabrication of novel mesoporous dimethylsiloxane-incorporated silicas. Chemical Communications, 2000, , 1487-1488.	2.2	28
23	Largeâ€Scale Synthesis of Water Dispersible Ceria Nanocrystals by a Simple Solâ€“Gel Process and Their Use as a Chemical Mechanical Planarization Slurry. European Journal of Inorganic Chemistry, 2008, 2008, 855-858.	1.0	23
24	Slow colloidal growth of PbSe nanocrystals for facile morphology and size control. RSC Advances, 2014, 4, 9842.	1.7	22
25	A direct one-step synthetic route to Pdâ€“Pt nanostructures with controllable shape, size, and composition for electrocatalytic applications. Journal of Materials Chemistry A, 2014, 2, 19239-19246.	5.2	20
26	Ultrafast electronic dynamics of monodisperse PbS and CdS nanoparticles/nanorods: Effects of size on nonlinear relaxation. Optical Materials, 2007, 29, 858-866.	1.7	16
27	Interplay between the local structural disorder and the length of structural coherence in stabilizing the cubic phase in nanocrystalline ZrO2. Solid State Communications, 2006, 138, 279-284.	0.9	13
28	Simple Synthesis of Platinum Dendritic Aggregates Supported on Conductive Tungsten Oxide Nanowires as Highâ€Performance Methanol Oxidation Electrocatalysts. Chemistry - A European Journal, 2012, 18, 2797-2801.	1.7	9
29	Colloidal synthesis of monodisperse ultrathin LiFePO4 nanosheets for Li-ion battery cathodes. Korean Journal of Chemical Engineering, 2021, 38, 1052-1058.	1.2	5
30	Synthesis and catalytic applications of uniform-sized nanocrystals. Studies in Surface Science and Catalysis, 2006, 159, 47-54.	1.5	4
31	Generalized and Facile Synthesis of Semiconducting Metal Sulfide Nanocrystals.. ChemInform, 2003, 34, no.	0.1	0