Jin Joo

List of Publications by Year in Descending Order

33 papers	6,038 citations	25 h-index	37 g-index
37 ext. papers	6,317 ext. citations	10.7 avg, IF	5.2 L-index

#	Paper	IF	Citations
33	Colloidal synthesis of monodisperse ultrathin LiFePO4 nanosheets for Li-ion battery cathodes. *Korean Journal of Chemical Engineering*, **2021**, 38, 1052-1058	2.8	0
32	A tailored TiO2 electron selective layer for high-performance flexible perovskite solar cells via low temperature UV process. *Nano Energy*, **2016**, 28, 380-389	17.1	100
31	Slow colloidal growth of PbSe nanocrystals for facile morphology and size control. *RSC Advances*, **2014**, 4, 9842	3.7	20
30	A direct one-step synthetic route to PdPt nanostructures with controllable shape, size, and composition for electrocatalytic applications. *Journal of Materials Chemistry A*, **2014**, 2, 19239-19246	13	19
29	Copper-indium-selenide quantum dot-sensitized solar cells. *Physical Chemistry Chemical Physics*, **2013**, 15, 20517-25	3.6	54
28	Advances in the Colloidal Synthesis of Two-Dimensional Semiconductor Nanoribbons. *Chemistry of Materials*, **2013**, 25, 1190-1198	9.6	60
27	Simple synthesis of platinum dendritic aggregates supported on conductive tungsten oxide nanowires as high-performance methanol oxidation electrocatalysts. *Chemistry - A European Journal*, **2012**, 18, 2797-801	4.8	8
26	Highly effective surface passivation of PbSe quantum dots through reaction with molecular chlorine. *Journal of the American Chemical Society*, **2012**, 134, 20160-8	16.4	198
25	Dimension-controlled synthesis of CdS nanocrystals: from 0D quantum dots to 2D nanoplates. *Small*, **2012**, 8, 2394-402	11	87
24	Colloidal synthesis of ultrathin two-dimensional semiconductor nanocrystals. *Advanced Materials*, **2011**, 23, 3214-9	24	113
23	Giant Zeeman splitting in nucleation-controlled doped CdSe:Mn2+ quantum nanoribbons. *Nature Materials*, **2010**, 9, 47-53	27	197
22	Spectroscopic signatures of photocharging due to hot-carrier transfer in solutions of semiconductor nanocrystals under low-intensity ultraviolet excitation. *ACS Nano*, **2010**, 4, 6087-97	16.7	81
21	Apparent versus true carrier multiplication yields in semiconductor nanocrystals. *Nano Letters*, **2010**, 10, 2049-57	11.5	202
20	Large-Scale Soft Colloidal Template Synthesis of 1.4 nm Thick CdSe Nanosheets. *Angewandte Chemie*, **2009**, 121, 6993-6996	3.6	53
19	Large-scale soft colloidal template synthesis of 1.4 nm thick CdSe nanosheets. *Angewandte Chemie - International Edition*, **2009**, 48, 6861-4	16.4	281
18	A reduction pathway in the synthesis of PbSe nanocrystal quantum dots. *Journal of the American Chemical Society*, **2009**, 131, 10620-8	16.4	101
17	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		43

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16	New aspects of carrier multiplication in semiconductor nanocrystals. *Accounts of Chemical Research*, **2008**, 41, 1810-9	24.3	361
15	Large-Scale Synthesis of Water Dispersible Ceria Nanocrystals by a Simple Sol□Gel Process and Their Use as a Chemical Mechanical Planarization Slurry. *European Journal of Inorganic Chemistry*, **2008**, 2008, 855-858	2.3	23
14	Synthesis of monodisperse spherical nanocrystals. *Angewandte Chemie - International Edition*, **2007**, 46, 4630-60	16.4	1613
13	Synthese monodisperser sph□ischer Nanokristalle. *Angewandte Chemie*, **2007**, 119, 4714-4745	3.6	134
12	Ultrafast electronic dynamics of monodisperse PbS and CdS nanoparticles/nanorods: Effects of size on nonlinear relaxation. *Optical Materials*, **2007**, 29, 858-866	3.3	16
11	Synthesis and catalytic applications of uniform-sized nanocrystals. *Studies in Surface Science and Catalysis*, **2006**, 159, 47-54	1.8	3
10	Low-temperature solution-phase synthesis of quantum well structured CdSe nanoribbons. *Journal of the American Chemical Society*, **2006**, 128, 5632-3	16.4	250
9	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	1.6	13
8	Large-scale synthesis of TiO2 nanorods via nonhydrolytic sol-gel ester elimination reaction and their application to photocatalytic inactivation of E. coli. *Journal of Physical Chemistry B*, **2005**, 109, 15297-302	3.4	349
7	Synthesis of quantum-sized cubic ZnS nanorods by the oriented attachment mechanism. *Journal of the American Chemical Society*, **2005**, 127, 5662-70	16.4	420
6	Large-scale nonhydrolytic sol-gel synthesis of uniform-sized ceria nanocrystals with spherical, wire, and tadpole shapes. *Angewandte Chemie - International Edition*, **2005**, 44, 7411-4	16.4	216
5	Large-Scale Nonhydrolytic Sol□Gel Synthesis of Uniform-Sized Ceria Nanocrystals with Spherical, Wire, and Tadpole Shapes. *Angewandte Chemie*, **2005**, 117, 7577-7580	3.6	40
4	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	3.4	46
3	Generalized and facile synthesis of semiconducting metal sulfide nanocrystals. *Journal of the American Chemical Society*, **2003**, 125, 11100-5	16.4	572
2	Multigram scale synthesis and characterization of monodisperse tetragonal zirconia nanocrystals. *Journal of the American Chemical Society*, **2003**, 125, 6553-7	16.4	337
1	Fabrication of novel mesoporous dimethylsiloxane-incorporated silicas. *Chemical Communications*, **2000**, 1487-1488	5.8	25