Soon Gu Kwon

List of Publications by Citations

34 papers	7,374 citations	27 h-index	37 g-index
37 ext. papers	8,047 ext. citations	16.4 avg, IF	5.8 L-index

#	Paper	IF	Citations
34	Synthesis of monodisperse spherical nanocrystals. *Angewandte Chemie - International Edition*, **2007**, 46, 4630-60	16.4	1613
33	Large-scale synthesis of uniform and extremely small-sized iron oxide nanoparticles for high-resolution T1 magnetic resonance imaging contrast agents. *Journal of the American Chemical Society*, **2011**, 133, 12624-31	16.4	691
32	Formation mechanisms of uniform nanocrystals via hot-injection and heat-up methods. *Small*, **2011**, 7, 2685-702	11	402
31	Highly Durable and Active PtFe Nanocatalyst for Electrochemical Oxygen Reduction Reaction. *Journal of the American Chemical Society*, **2015**, 137, 15478-85	16.4	393
30	Colloidal chemical synthesis and formation kinetics of uniformly sized nanocrystals of metals, oxides, and chalcogenides. *Accounts of Chemical Research*, **2008**, 41, 1696-709	24.3	388
29	Kinetics of monodisperse iron oxide nanocrystal formation by "heating-up" process. *Journal of the American Chemical Society*, **2007**, 129, 12571-84	16.4	374
28	Large-Scale Synthesis of Carbon-Shell-Coated FeP Nanoparticles for Robust Hydrogen Evolution Reaction Electrocatalyst. *Journal of the American Chemical Society*, **2017**, 139, 6669-6674	16.4	369
27	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
26	Large-scale soft colloidal template synthesis of 1.4 nm thick CdSe nanosheets. *Angewandte Chemie - International Edition*, **2009**, 48, 6861-4	16.4	281
25	Low-temperature solution-phase synthesis of quantum well structured CdSe nanoribbons. *Journal of the American Chemical Society*, **2006**, 128, 5632-3	16.4	250
24	Synthesis of ZnO Nanocrystals with Cone, Hexagonal Cone, and Rod Shapes via Non-Hydrolytic Ester Elimination Sol□el Reactions. *Advanced Materials*, **2005**, 17, 1873-1877	24	246
23	Nonclassical nucleation and growth of inorganic nanoparticles. *Nature Reviews Materials*, **2016**, 1,	73.3	240
22	Design Principle of Fe-N-C Electrocatalysts: How to Optimize Multimodal Porous Structures?. *Journal of the American Chemical Society*, **2019**, 141, 2035-2045	16.4	240
21	Synthesis of uniform hollow oxide nanoparticles through nanoscale acid etching. *Nano Letters*, **2008**, 8, 4252-8	11.5	192
20	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
19	Heterogeneous nucleation and shape transformation of multicomponent metallic□nanostructures. *Nature Materials*, **2015**, 14, 215-23	27	155
18	Synthesis and Biomedical Applications of Multifunctional Nanoparticles. *Advanced Materials*, **2018**, 30, e1802309	24	154

17	Capping ligands as selectivity switchers in hydrogenation reactions. *Nano Letters*, **2012**, 12, 5382-8	11.5	124
16	Colloidal synthesis of ultrathin two-dimensional semiconductor nanocrystals. *Advanced Materials*, **2011**, 23, 3214-9	24	113
15	Large-scale assembly of silicon nanowire network-based devices using conventional microfabrication facilities. *Nano Letters*, **2008**, 8, 4523-7	11.5	108
14	Hybrid Cellular Nanosheets for High-Performance Lithium-Ion Battery Anodes. *Journal of the American Chemical Society*, **2015**, 137, 11954-61	16.4	100
13	Dimension-controlled synthesis of CdS nanocrystals: from 0D quantum dots to 2D nanoplates. *Small*, **2012**, 8, 2394-402	11	87
12	Size Dependence of Metal-Insulator Transition in Stoichiometric Fe□4N Nanocrystals. *Nano Letters*, **2015**, 15, 4337-42	11.5	77
11	Route to the Smallest Doped Semiconductor: Mn(2+)-Doped (CdSe)13 Clusters. *Journal of the American Chemical Society*, **2015**, 137, 12776-9	16.4	69
10	Sizing by weighing: characterizing sizes of ultrasmall-sized iron oxide nanocrystals using MALDI-TOF mass spectrometry. *Journal of the American Chemical Society*, **2013**, 135, 2407-10	16.4	46
9	Evolution of self-assembled ZnTe magic-sized nanoclusters. *Journal of the American Chemical Society*, **2015**, 137, 742-9	16.4	43
8	Large-scale synthesis of ultra-small-sized silver nanoparticles. *ChemPhysChem*, **2012**, 13, 2540-3	3.2	39
7	How "hollow" are hollow nanoparticles?. *Journal of the American Chemical Society*, **2013**, 135, 2435-8	16.4	27
6	Oxidation Induced Doping of Nanoparticles Revealed by in Situ X-ray Absorption Studies. *Nano Letters*, **2016**, 16, 3738-47	11.5	22
5	Giant thermal hysteresis in Verwey transition of single domain FeO nanoparticles. *Scientific Reports*, **2018**, 8, 5092	4.9	8
4	Microscopic States and the Verwey Transition of Magnetite Nanocrystals Investigated by Nuclear Magnetic Resonance. *Nano Letters*, **2018**, 18, 1745-1750	11.5	7
3	Preparation of uniform carbon nanoshell coated monodispersed iron oxide nanocrystals as an anode material for lithium-ion batteries. *Electrochimica Acta*, **2014**, 136, 47-51	6.7	7
2	In Situ X-Ray Absorption Spectroscopy Studies of Functional Nanomaterials **2018**, 159-188		1
1	Kinetics of Colloidal Chemical Synthesis of Monodisperse Spherical Nanocrystals **2009**, 127-153		0