Soon Gu Kwon

List of Publications by Year
in descending order

33	8,615	185998 28	395343 33
papers	citations	h-index	g-index

37	37	37	13873
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Synthesis of Monodisperse Spherical Nanocrystals. Angewandte Chemie - International Edition, 2007, 46, 4630-4660.	7.2	1,751
2	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, 12624-12631.	6.6	835
3	Highly Durable and Active PtFe Nanocatalyst for Electrochemical Oxygen Reduction Reaction. Journal of the American Chemical Society, 2015, 137, 15478-15485.	6.6	517
4	Formation Mechanisms of Uniform Nanocrystals via Hotâ€Injection and Heatâ€Up Methods. Small, 2011, 7, 2685-2702.	5.2	486
5	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.	6.6	451
6	Colloidal Chemical Synthesis and Formation Kinetics of Uniformly Sized Nanocrystals of Metals, Oxides, and Chalcogenides. Accounts of Chemical Research, 2008, 41, 1696-1709.	7.6	420
7	Kinetics of Monodisperse Iron Oxide Nanocrystal Formation by â€œHeating-Upâ€•Process. Journal of the American Chemical Society, 2007, 129, 12571-12584.	6.6	407
8	Design Principle of Feâ€“Nâ€“C Electrocatalysts: How to Optimize Multimodal Porous Structures?. Journal of the American Chemical Society, 2019, 141, 2035-2045.	6.6	383
9	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
10	Nonclassical nucleation and growth of inorganic nanoparticles. Nature Reviews Materials, 2016, 1, .	23.3	343
11	Largeâ€Scale Soft Colloidal Template Synthesis of 1.4â€…nm Thick CdSe Nanosheets. Angewandte Chemie - International Edition, 2009, 48, 6861-6864.	7.2	298
12	Low-Temperature Solution-Phase Synthesis of Quantum Well Structured CdSe Nanoribbons. Journal of the American Chemical Society, 2006, 128, 5632-5633.	6.6	270
13	Synthesis of ZnO Nanocrystals with Cone, Hexagonal Cone, and Rod Shapes via Non-Hydrolytic Ester Elimination Solâ€“Gel Reactions. Advanced Materials, 2005, 17, 1873-1877.	11.1	262
14	Synthesis and Biomedical Applications of Multifunctional Nanoparticles. Advanced Materials, 2018, 30, e1802309.	11.1	216
15	Synthesis of Uniform Hollow Oxide Nanoparticles through Nanoscale Acid Etching. Nano Letters, 2008, 8, 4252-4258.	4.5	210
16	Heterogeneous nucleation and shape transformation of multicomponent metallicÂnanostructures. Nature Materials, 2015, 14, 215-223.	13.3	187
17	Simple and Generalized Synthesis of Oxideâ^'Metal Heterostructured Nanoparticles and their Applications in Multimodal Biomedical Probes. Journal of the American Chemical Society, 2008, 130, 15573-15580.	6.6	162
18	Capping Ligands as Selectivity Switchers in Hydrogenation Reactions. Nano Letters, 2012, 12, 5382-5388.	4.5	146

#	Article	IF	Citations
19	Colloidal Synthesis of Ultrathin Twoâ€Dimensional Semiconductor Nanocrystals. Advanced Materials, 2011, 23, 3214-3219.	11.1	127
20	Large-Scale Assembly of Silicon Nanowire Network-Based Devices Using Conventional Microfabrication Facilities. Nano Letters, 2008, 8, 4523-4527.	4.5	122
21	Hybrid Cellular Nanosheets for High-Performance Lithium-Ion Battery Anodes. Journal of the American Chemical Society, 2015, 137, 11954-11961.	6.6	114
22	Dimensionâ€Controlled Synthesis of CdS Nanocrystals: From 0D Quantum Dots to 2D Nanoplates. Small, 2012, 8, 2394-2402.	5.2	99
23	Size Dependence of Metalâ€“Insulator Transition in Stoichiometric Fe₃O₄ Nanocrystals. Nano Letters, 2015, 15, 4337-4342.	4.5	92
24	Route to the Smallest Doped Semiconductor: Mn²⁺-Doped (CdSe)₁₃ Clusters. Journal of the American Chemical Society, 2015, 137, 12776-12779.	6.6	91
25	Evolution of Self-Assembled ZnTe Magic-Sized Nanoclusters. Journal of the American Chemical Society, 2015, 137, 742-749.	6.6	58
26	Sizing by Weighing: Characterizing Sizes of Ultrasmall-Sized Iron Oxide Nanocrystals Using MALDI-TOF Mass Spectrometry. Journal of the American Chemical Society, 2013, 135, 2407-2410.	6.6	57
27	Largeâ€Scale Synthesis of Ultraâ€Smallâ€Sized Silver Nanoparticles. ChemPhysChem, 2012, 13, 2540-2543.	1.0	44
28	How â€œHollowâ€•Are Hollow Nanoparticles?. Journal of the American Chemical Society, 2013, 135, 2435-2438.	6.6	28
29	Oxidation Induced Doping of Nanoparticles Revealed by in Situ X-ray Absorption Studies. Nano Letters, 2016, 16, 3738-3747.	4.5	25
30	Giant thermal hysteresis in Verwey transition of single domain Fe3O4 nanoparticles. Scientific Reports, 2018, 8, 5092.	1.6	13
31	Preparation of uniform carbon nanoshell coated monodispersed iron oxide nanocrystals as an anode material for lithium-ion batteries. Electrochimica Acta, 2014, 136, 47-51.	2.6	8
32	Microscopic States and the Verwey Transition of Magnetite Nanocrystals Investigated by Nuclear Magnetic Resonance. Nano Letters, 2018, 18, 1745-1750.	4.5	7
33	In Situ X-Ray Absorption Spectroscopy Studies of Functional Nanomaterials. , 2018, , 159-188.		1