

# Soon Gu Kwon

## List of Publications by Year in descending order

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33  
papers

8,615  
citations

186209

28  
h-index

395590

33  
g-index

37  
all docs

37  
docs citations

37  
times ranked

13873  
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of Monodisperse Spherical Nanocrystals. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 4630-4660.	7.2	1,751
2	Large-Scale Synthesis of Uniform and Extremely Small-Sized Iron Oxide Nanoparticles for High-Resolution $^{51}\text{V}$ Magnetic Resonance Imaging Contrast Agents. <i>Journal of the American Chemical Society</i> , 2011, 133, 12624-12631.	6.6	835
3	Highly Durable and Active PtFe Nanocatalyst for Electrochemical Oxygen Reduction Reaction. <i>Journal of the American Chemical Society</i> , 2015, 137, 15478-15485.	6.6	517
4	Formation Mechanisms of Uniform Nanocrystals via Hot-Injection and Heat-Up Methods. <i>Small</i> , 2011, 7, 2685-2702.	5.2	486
5	Large-Scale Synthesis of Carbon-Shell-Coated FeP Nanoparticles for Robust Hydrogen Evolution Reaction Electrocatalyst. <i>Journal of the American Chemical Society</i> , 2017, 139, 6669-6674.	6.6	451
6	Colloidal Chemical Synthesis and Formation Kinetics of Uniformly Sized Nanocrystals of Metals, Oxides, and Chalcogenides. <i>Accounts of Chemical Research</i> , 2008, 41, 1696-1709.	7.6	420
7	Kinetics of Monodisperse Iron Oxide Nanocrystal Formation by "Heating-Up" Process. <i>Journal of the American Chemical Society</i> , 2007, 129, 12571-12584.	6.6	407
8	Design Principle of Fe-N-C Electrocatalysts: How to Optimize Multimodal Porous Structures?. <i>Journal of the American Chemical Society</i> , 2019, 141, 2035-2045.	6.6	383
9	Large-Scale Synthesis of TiO <sub>2</sub> Nanorods via Nonhydrolytic Sol-Gel Ester Elimination Reaction and Their Application to Photocatalytic Inactivation of E.coli. <i>Journal of Physical Chemistry B</i> , 2005, 109, 15297-15302.	1.2	379
10	Nonclassical nucleation and growth of inorganic nanoparticles. <i>Nature Reviews Materials</i> , 2016, 1, .	23.3	343
11	Large-Scale Soft Colloidal Template Synthesis of 1.4-...nm Thick CdSe Nanosheets. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 6861-6864.	7.2	298
12	Low-Temperature Solution-Phase Synthesis of Quantum Well Structured CdSe Nanoribbons. <i>Journal of the American Chemical Society</i> , 2006, 128, 5632-5633.	6.6	270
13	Synthesis of ZnO Nanocrystals with Cone, Hexagonal Cone, and Rod Shapes via Non-Hydrolytic Ester Elimination Sol-Gel Reactions. <i>Advanced Materials</i> , 2005, 17, 1873-1877.	11.1	262
14	Synthesis and Biomedical Applications of Multifunctional Nanoparticles. <i>Advanced Materials</i> , 2018, 30, e1802309.	11.1	216
15	Synthesis of Uniform Hollow Oxide Nanoparticles through Nanoscale Acid Etching. <i>Nano Letters</i> , 2008, 8, 4252-4258.	4.5	210
16	Heterogeneous nucleation and shape transformation of multicomponent metallic nanostructures. <i>Nature Materials</i> , 2015, 14, 215-223.	13.3	187
17	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.	6.6	162
18	Capping Ligands as Selectivity Switchers in Hydrogenation Reactions. <i>Nano Letters</i> , 2012, 12, 5382-5388.	4.5	146

#	ARTICLE	IF	CITATIONS
19	Colloidal Synthesis of Ultrathin Two-Dimensional Semiconductor Nanocrystals. <i>Advanced Materials</i> , 2011, 23, 3214-3219.	11.1	127
20	Large-Scale Assembly of Silicon Nanowire Network-Based Devices Using Conventional Microfabrication Facilities. <i>Nano Letters</i> , 2008, 8, 4523-4527.	4.5	122
21	Hybrid Cellular Nanosheets for High-Performance Lithium-Ion Battery Anodes. <i>Journal of the American Chemical Society</i> , 2015, 137, 11954-11961.	6.6	114
22	Dimension-Controlled Synthesis of CdS Nanocrystals: From 0D Quantum Dots to 2D Nanoplates. <i>Small</i> , 2012, 8, 2394-2402.	5.2	99
23	Size Dependence of Metal-Insulator Transition in Stoichiometric Fe <sub>3</sub> O <sub>4</sub> Nanocrystals. <i>Nano Letters</i> , 2015, 15, 4337-4342.	4.5	92
24	Route to the Smallest Doped Semiconductor: Mn <sup>2+</sup> -Doped (CdSe) <sub>13</sub> Clusters. <i>Journal of the American Chemical Society</i> , 2015, 137, 12776-12779.	6.6	91
25	Evolution of Self-Assembled ZnTe Magic-Sized Nanoclusters. <i>Journal of the American Chemical Society</i> , 2015, 137, 742-749.	6.6	58
26	Sizing by Weighing: Characterizing Sizes of Ultrasmall-Sized Iron Oxide Nanocrystals Using MALDI-TOF Mass Spectrometry. <i>Journal of the American Chemical Society</i> , 2013, 135, 2407-2410.	6.6	57
27	Large-Scale Synthesis of Ultra-Small-Sized Silver Nanoparticles. <i>ChemPhysChem</i> , 2012, 13, 2540-2543.	1.0	44
28	How "Hollow" Are Hollow Nanoparticles?. <i>Journal of the American Chemical Society</i> , 2013, 135, 2435-2438.	6.6	28
29	Oxidation Induced Doping of Nanoparticles Revealed by <i>in Situ</i> X-ray Absorption Studies. <i>Nano Letters</i> , 2016, 16, 3738-3747.	4.5	25
30	Giant thermal hysteresis in Verwey transition of single domain Fe <sub>3</sub> O <sub>4</sub> nanoparticles. <i>Scientific Reports</i> , 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. <i>Electrochimica Acta</i> , 2014, 136, 47-51.	2.6	8
32	Microscopic States and the Verwey Transition of Magnetite Nanocrystals Investigated by Nuclear Magnetic Resonance. <i>Nano Letters</i> , 2018, 18, 1745-1750.	4.5	7
33	In Situ X-Ray Absorption Spectroscopy Studies of Functional Nanomaterials. , 2018, , 159-188.		1