

Soon Gu Kwon

List of Publications by Year in descending order

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33
papers

8,615
citations

186265

28
h-index

395702

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.	13.8	1,751
2	Large-Scale Synthesis of Uniform and Extremely Small-Sized Iron Oxide Nanoparticles for High-Resolution ^{51}V Magnetic Resonance Imaging Contrast Agents. <i>Journal of the American Chemical Society</i> , 2011, 133, 12624-12631.	13.7	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.	13.7	517
4	Formation Mechanisms of Uniform Nanocrystals via Hot-Injection and Heat-Up Methods. <i>Small</i> , 2011, 7, 2685-2702.	10.0	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.	13.7	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.	15.6	420
7	Kinetics of Monodisperse Iron Oxide Nanocrystal Formation by a Heating-Up Process. <i>Journal of the American Chemical Society</i> , 2007, 129, 12571-12584.	13.7	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.	13.7	383
9	Large-Scale Synthesis of TiO_2 Nanorods via Nonhydrolytic Sol-Gel Ester Elimination Reaction and Their Application to Photocatalytic Inactivation of <i>E. coli</i> . <i>Journal of Physical Chemistry B</i> , 2005, 109, 15297-15302.	2.6	379
10	Nonclassical nucleation and growth of inorganic nanoparticles. <i>Nature Reviews Materials</i> , 2016, 1, .	48.7	343
11	Large-Scale Soft Colloidal Template Synthesis of 1.4- μm Thick CdSe Nanosheets. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 6861-6864.	13.8	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.	13.7	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.	21.0	262
14	Synthesis and Biomedical Applications of Multifunctional Nanoparticles. <i>Advanced Materials</i> , 2018, 30, e1802309.	21.0	216
15	Synthesis of Uniform Hollow Oxide Nanoparticles through Nanoscale Acid Etching. <i>Nano Letters</i> , 2008, 8, 4252-4258.	9.1	210
16	Heterogeneous nucleation and shape transformation of multicomponent metallic nanostructures. <i>Nature Materials</i> , 2015, 14, 215-223.	27.5	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.	13.7	162
18	Capping Ligands as Selectivity Switchers in Hydrogenation Reactions. <i>Nano Letters</i> , 2012, 12, 5382-5388.	9.1	146

#	ARTICLE	IF	CITATIONS
19	Colloidal Synthesis of Ultrathin Two-Dimensional Semiconductor Nanocrystals. <i>Advanced Materials</i> , 2011, 23, 3214-3219.	21.0	127
20	Large-Scale Assembly of Silicon Nanowire Network-Based Devices Using Conventional Microfabrication Facilities. <i>Nano Letters</i> , 2008, 8, 4523-4527.	9.1	122
21	Hybrid Cellular Nanosheets for High-Performance Lithium-Ion Battery Anodes. <i>Journal of the American Chemical Society</i> , 2015, 137, 11954-11961.	13.7	114
22	Dimension-Controlled Synthesis of CdS Nanocrystals: From 0D Quantum Dots to 2D Nanoplates. <i>Small</i> , 2012, 8, 2394-2402.	10.0	99
23	Size Dependence of Metal-Insulator Transition in Stoichiometric Fe ₃ O ₄ Nanocrystals. <i>Nano Letters</i> , 2015, 15, 4337-4342.	9.1	92
24	Route to the Smallest Doped Semiconductor: Mn ²⁺ -Doped (CdSe) ₁₃ Clusters. <i>Journal of the American Chemical Society</i> , 2015, 137, 12776-12779.	13.7	91
25	Evolution of Self-Assembled ZnTe Magic-Sized Nanoclusters. <i>Journal of the American Chemical Society</i> , 2015, 137, 742-749.	13.7	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.	13.7	57
27	Large-Scale Synthesis of Ultra-Small-Sized Silver Nanoparticles. <i>ChemPhysChem</i> , 2012, 13, 2540-2543.	2.1	44
28	How "Hollow" Are Hollow Nanoparticles?. <i>Journal of the American Chemical Society</i> , 2013, 135, 2435-2438.	13.7	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.	9.1	25
30	Giant thermal hysteresis in Verwey transition of single domain Fe ₃ O ₄ nanoparticles. <i>Scientific Reports</i> , 2018, 8, 5092.	3.3	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.	5.2	8
32	Microscopic States and the Verwey Transition of Magnetite Nanocrystals Investigated by Nuclear Magnetic Resonance. <i>Nano Letters</i> , 2018, 18, 1745-1750.	9.1	7
33	In Situ X-Ray Absorption Spectroscopy Studies of Functional Nanomaterials. , 2018, , 159-188.		1