

Jin-Sil Choi

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

6,843
citations

331670

21
h-index

552781

26
g-index

28
all docs

28
docs citations

28
times ranked

9953
citing authors

#	ARTICLE	IF	CITATIONS
1	Exchange-coupled magnetic nanoparticles for efficient heat induction. <i>Nature Nanotechnology</i> , 2011, 6, 418-422.	31.5	1,197
2	Nanoscale Size Effect of Magnetic Nanocrystals and Their Utilization for Cancer Diagnosis via Magnetic Resonance Imaging. <i>Journal of the American Chemical Society</i> , 2005, 127, 5732-5733.	13.7	1,131
3	Shape Control of Semiconductor and Metal Oxide Nanocrystals through Nonhydrolytic Colloidal Routes. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 3414-3439.	13.8	1,075
4	In Vivo Magnetic Resonance Detection of Cancer by Using Multifunctional Magnetic Nanocrystals. <i>Journal of the American Chemical Society</i> , 2005, 127, 12387-12391.	13.7	829
5	Biocompatible Heterostructured Nanoparticles for Multimodal Biological Detection. <i>Journal of the American Chemical Society</i> , 2006, 128, 15982-15983.	13.7	332
6	Surface Modulation of Magnetic Nanocrystals in the Development of Highly Efficient Magnetic Resonance Probes for Intracellular Labeling. <i>Journal of the American Chemical Society</i> , 2005, 127, 9992-9993.	13.7	299
7	Self-Confirming AND-Logic Nanoparticles for Fault-Free MRI. <i>Journal of the American Chemical Society</i> , 2010, 132, 11015-11017.	13.7	270
8	Symmetry-Controlled Colloidal Nanocrystals: A Nonhydrolytic Chemical Synthesis and Shape Determining Parameters. <i>Journal of Physical Chemistry B</i> , 2005, 109, 14795-14806.	2.6	268
9	Heterostructured magnetic nanoparticles: their versatility and high performance capabilities. <i>Chemical Communications</i> , 2007, , 1203-1214.	4.1	259
10	A Hybrid Nanoparticle Probe for Dual-Modality Positron Emission Tomography and Magnetic Resonance Imaging. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 6259-6262.	13.8	203
11	T_1 and T_2 Dual-Mode MRI Contrast Agent for Enhancing Accuracy by Engineered Nanomaterials. <i>ACS Nano</i> , 2014, 8, 3393-3401.	14.6	195
12	Nanoparticle Assemblies as Memristors. <i>Nano Letters</i> , 2009, 9, 2229-2233.	9.1	158
13	Distance-dependent magnetic resonance tuning as a versatile MRI sensing platform for biological targets. <i>Nature Materials</i> , 2017, 16, 537-542.	27.5	125
14	Double-Effector Nanoparticles: A Synergistic Approach to Apoptotic Hyperthermia. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 12482-12485.	13.8	82
15	Pretargeted Positron Emission Tomography Imaging That Employs Supramolecular Nanoparticles with <i>In Vivo</i> Bioorthogonal Chemistry. <i>ACS Nano</i> , 2016, 10, 1417-1424.	14.6	60
16	Nanoparticle assisted magnetic resonance imaging of the early reversible stages of amyloid β self-assembly. <i>Chemical Communications</i> , 2008, , 2197.	4.1	48
17	Highly crystalline anisotropic superstructures via magnetic field induced nanoparticle assembly. <i>Chemical Communications</i> , 2007, , 5001.	4.1	46
18	Molecular Recognition Enables Nanosubstrate-Mediated Delivery of Gene-Encapsulated Nanoparticles with High Efficiency. <i>ACS Nano</i> , 2014, 8, 4621-4629.	14.6	46

#	ARTICLE	IF	CITATIONS
19	A High-Throughput Platform for Formulating and Screening Multifunctional Nanoparticles Capable of Simultaneous Delivery of Genes and Transcription Factors. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 169-173.	13.8	39
20	A magnetic resonance tuning sensor for the MRI detection of biological targets. <i>Nature Protocols</i> , 2018, 13, 2664-2684.	12.0	30
21	Cross-Linked Fluorescent Supramolecular Nanoparticles for Intradermal Controlled Release of Antifungal Drug—A Therapeutic Approach for Onychomycosis. <i>ACS Nano</i> , 2018, 12, 6851-6859.	14.6	19
22	Hyperthermia Effect of Nanoclusters Governed by Interparticle Crystalline Structures. <i>ACS Omega</i> , 2021, 6, 31161-31167.	3.5	14
23	Supramolecular Nanosubstrate-Mediated Delivery for Reprogramming and Transdifferentiation of Mammalian Cells. <i>Small</i> , 2015, 11, 2499-2504.	10.0	12
24	Cross-Linked Fluorescent Supramolecular Nanoparticles as Finite Tattoo Pigments with Controllable Intradermal Retention Times. <i>ACS Nano</i> , 2017, 11, 153-162.	14.6	11
25	Symmetry-Controlled Colloidal Nanocrystals: Nonhydrolytic Chemical Synthesis and Shape Determining Parameters. <i>ChemInform</i> , 2005, 36, no.	0.0	0