

Qingbo Zhang

List of Publications by Year in descending order

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49
papers

8,195
citations

126708

33
h-index

189595

50
g-index

53
all docs

53
docs citations

53
times ranked

13324
citing authors

#	ARTICLE	IF	CITATIONS
1	Negligible Particle-Specific Antibacterial Activity of Silver Nanoparticles. <i>Nano Letters</i> , 2012, 12, 4271-4275.	4.5	1,830
2	From Aggregation-Induced Emission of Au(I)–Thiolate Complexes to Ultrabright Au(0)@Au(I)–Thiolate Core–Shell Nanoclusters. <i>Journal of the American Chemical Society</i> , 2012, 134, 16662-16670.	6.6	1,340
3	The Synthesis of SERS-Active Gold Nanoflower Tags for <i>In Vivo</i> Applications. <i>ACS Nano</i> , 2008, 2, 2473-2480.	7.3	578
4	Graphene-like MoS ₂ /amorphous carbon composites with high capacity and excellent stability as anode materials for lithium ion batteries. <i>Journal of Materials Chemistry</i> , 2011, 21, 6251.	6.7	496
5	Synthesis of Highly Fluorescent Metal (Ag, Au, Pt, and Cu) Nanoclusters by Electrostatically Induced Reversible Phase Transfer. <i>ACS Nano</i> , 2011, 5, 8800-8808.	7.3	362
6	Size-Controlled Dissolution of Silver Nanoparticles at Neutral and Acidic pH Conditions: Kinetics and Size Changes. <i>Environmental Science & Technology</i> , 2014, 48, 11954-11961.	4.6	285
7	Synthesis of Nanocrystals with Variable High-Index Pd Facets through the Controlled Heteroepitaxial Growth of Trisoctahedral Au Templates. <i>Journal of the American Chemical Society</i> , 2010, 132, 18258-18265.	6.6	242
8	Rational Synthesis, Self-Assembly, and Optical Properties of PbS–Au Heterogeneous Nanostructures via Preferential Deposition. <i>Journal of the American Chemical Society</i> , 2006, 128, 11921-11926.	6.6	240
9	Phytostimulation of Poplars and <i>Arabidopsis</i> Exposed to Silver Nanoparticles and Ag ⁺ at Sublethal Concentrations. <i>Environmental Science & Technology</i> , 2013, 47, 5442-5449.	4.6	201
10	Seed-Mediated Synthesis of Monodisperse Concave Trisoctahedral Gold Nanocrystals with Controllable Sizes. <i>Journal of Physical Chemistry C</i> , 2010, 114, 11119-11126.	1.5	187
11	Monodisperse Icosahedral Ag, Au, and Pd Nanoparticles: Size Control Strategy and Superlattice Formation. <i>ACS Nano</i> , 2009, 3, 139-148.	7.3	175
12	Synthesis of Ag@AgAu Metal Core/Alloy Shell Bimetallic Nanoparticles with Tunable Shell Compositions by a Galvanic Replacement Reaction. <i>Small</i> , 2008, 4, 1067-1071.	5.2	139
13	Monodispersity control in the synthesis of monometallic and bimetallic quasi-spherical gold and silver nanoparticles. <i>Nanoscale</i> , 2010, 2, 1962.	2.8	134
14	Recent advances in the synthesis, characterization, and biomedical applications of ultrasmall thiolated silver nanoclusters. <i>RSC Advances</i> , 2014, 4, 60581-60596.	1.7	128
15	Boiling water synthesis of ultrastable thiolated silver nanoclusters with aggregation-induced emission. <i>Chemical Communications</i> , 2015, 51, 15165-15168.	2.2	128
16	Size and composition tunable Ag–Au alloy nanoparticles by replacement reactions. <i>Nanotechnology</i> , 2007, 18, 245605.	1.3	127
17	Highly luminescent Ag ⁺ nanoclusters for Hg ²⁺ ion detection. <i>Nanoscale</i> , 2012, 4, 1968.	2.8	118
18	Fluorescence Reports Intact Quantum Dot Uptake into Roots and Translocation to Leaves of <i>Arabidopsis thaliana</i> and Subsequent Ingestion by Insect Herbivores. <i>Environmental Science & Technology</i> , 2015, 49, 626-632.	4.6	117

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19	Ruddlesdenâ€“Popper Perovskites: Synthesis and Optical Properties for Optoelectronic Applications. <i>Advanced Science</i> , 2019, 6, 1900941.	5.6	112
20	Emission Recovery and Stability Enhancement of Inorganic Perovskite Quantum Dots. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 4166-4173.	2.1	108
21	Engineering the architectural diversity of heterogeneous metallic nanocrystals. <i>Nature Communications</i> , 2013, 4, 1454.	5.8	100
22	Synthesis of Monodisperse Ag _{1-x} Au Alloy Nanoparticles with Independently Tunable Morphology, Composition, Size, and Surface Chemistry and Their 3D Superlattices. <i>Advanced Functional Materials</i> , 2009, 19, 1387-1398.	7.8	96
23	Carbon-Supported Pseudo-Coreâ€“Shell Pdâ€“Pt Nanoparticles for ORR with and without Methanol. <i>Journal of the Electrochemical Society</i> , 2008, 155, B776.	1.3	87
24	Latest progress in constructing solid-state Z scheme photocatalysts for water splitting. <i>Nanoscale</i> , 2019, 11, 11071-11082.	2.8	84
25	Colloidal Synthesis of Plasmonic Metallic Nanoparticles. <i>Plasmonics</i> , 2009, 4, 9-22.	1.8	78
26	Fast Synthesis of Thiolated Au ₂₅ Nanoclusters via Protectionâ€“Deprotection Method. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 2310-2314.	2.1	71
27	Architectural Design of Heterogeneous Metallic Nanocrystalsâ€“Principles and Processes. <i>Accounts of Chemical Research</i> , 2014, 47, 3530-3540.	7.6	66
28	Tuning the Crystallinity of Au Nanoparticles. <i>Small</i> , 2010, 6, 523-527.	5.2	64
29	Dissolutionâ€“recrystallization mechanism for the conversion of silver nanospheres to triangular nanoplates. <i>Journal of Colloid and Interface Science</i> , 2007, 308, 157-161.	5.0	62
30	Comparison of interactions between human serum albumin and silver nanoparticles of different sizes using spectroscopic methods. <i>Luminescence</i> , 2015, 30, 397-404.	1.5	48
31	Guiding Principles in the Galvanic Replacement Reaction of an Underpotentially Deposited Metal Layer for Site-Selective Deposition and Shape and Size Control of Satellite Nanocrystals. <i>Chemistry of Materials</i> , 2013, 25, 4746-4756.	3.2	38
32	Oneâ€“Step Synthesis and Characterization of Goldâ€“Hollow PbS _x Hybrid Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 3991-3995.	7.2	36
33	Magnetic field controlled graphene oxide-based origami with enhanced surface area and mechanical properties. <i>Nanoscale</i> , 2017, 9, 6991-6997.	2.8	36
34	General Method for Extended Metal Nanowire Synthesis:â€“Ethanol Induced Self-Assembly. <i>Journal of Physical Chemistry C</i> , 2007, 111, 17158-17162.	1.5	32
35	One-step reverse precipitation synthesis of water-dispersible superparamagnetic magnetite nanoparticles. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	0.8	31
36	Lipid-Encapsulated Fe ₃ O ₄ Nanoparticles for Multimodal Magnetic Resonance/Fluorescence Imaging. <i>ACS Applied Nano Materials</i> , 2020, 3, 6785-6797.	2.4	31

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37	Etched PtCu nanowires as a peroxidase mimic for colorimetric determination of hydrogen peroxide. <i>Mikrochimica Acta</i> , 2019, 186, 186.	2.5	28
38	Template-Free Synthesis of Porous Platinum Networks of Different Morphologies. <i>Langmuir</i> , 2009, 25, 6454-6459.	1.6	22
39	Synthesis of shield-like singly twinned high-index Au nanoparticles. <i>Nanoscale</i> , 2011, 3, 1497.	2.8	21
40	Chemical Synthesis, Structure Characterization, and Optical Properties of Hollow PbS _x “Solid Au Heterodimer Nanostructures. <i>Chemistry - A European Journal</i> , 2010, 16, 5920-5926.	1.7	20
41	Libraries of Uniform Magnetic Multicore Nanoparticles with Tunable Dimensions for Biomedical and Photonic Applications. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 41932-41941.	4.0	16
42	Silver Nanoparticle-Infused Cotton Fiber: Durability and Aqueous Release of Silver in Laundry Water. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 13231-13240.	2.4	16
43	Multichannel power electronics and magnetic nanoparticles for selective thermal magnetogenetics. <i>Journal of Neural Engineering</i> , 2022, 19, 026015.	1.8	12
44	Tuning Pt“Cu nanostructures by bromide ions and their superior electrocatalytic activities for methanol oxidation reaction. <i>Journal of Nanoparticle Research</i> , 2018, 20, 1.	0.8	11
45	Synthesis and Application of Magnetic Nanocrystal Clusters. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 7613-7625.	1.8	9
46	Learning from nature: introducing an epiphyte“host relationship in the synthesis of alloy nanoparticles by co-reduction methods. <i>Chemical Communications</i> , 2014, 50, 9765-9768.	2.2	7
47	Controlled oxidation and surface modification increase heating capacity of magnetic iron oxide nanoparticles. <i>Applied Physics Reviews</i> , 2021, 8, .	5.5	7
48	Atom-Precision Engineering Chemistry of Noble Metal Nanoparticles. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 7594-7612.	1.8	7
49	When function is biological: Discerning how silver nanoparticle structure dictates antimicrobial activity. <i>IScience</i> , 2022, 25, 104475.	1.9	7