Qingbo Zhang

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

48 papers	7,082 citations	32 h-index	53 g-index
53 ext. papers	7,691 ext. citations	8.7 avg, IF	5.87 L-index

#	Paper	IF	Citations
48	Controlled oxidation and surface modification increase heating capacity of magnetic iron oxide nanoparticles. *Applied Physics Reviews*, **2021**, 8, 031407	17.3	1
47	Lipid-Encapsulated Fe3O4 Nanoparticles for Multimodal Magnetic Resonance/Fluorescence Imaging. *ACS Applied Nano Materials*, **2020**, 3, 6785-6797	5.6	15
46	Libraries of Uniform Magnetic Multicore Nanoparticles with Tunable Dimensions for Biomedical and Photonic Applications. *ACS Applied Materials & Interfaces*, **2020**, 12, 41932-41941	9.5	6
45	Silver Nanoparticle-Infused Cotton Fiber: Durability and Aqueous Release of Silver in Laundry Water. *Journal of Agricultural and Food Chemistry*, **2020**, 68, 13231-13240	5.7	8
44	Latest progress in constructing solid-state Z scheme photocatalysts for water splitting. *Nanoscale*, **2019**, 11, 11071-11082	7.7	63
43	Etched PtCu nanowires as a peroxidase mimic for colorimetric determination of hydrogen peroxide. *Mikrochimica Acta*, **2019**, 186, 186	5.8	21
42	Ruddlesden-Popper Perovskites: Synthesis and Optical Properties for Optoelectronic Applications. *Advanced Science*, **2019**, 6, 1900941	13.6	65
41	Emission Recovery and Stability Enhancement of Inorganic Perovskite Quantum Dots. *Journal of Physical Chemistry Letters*, **2018**, 9, 4166-4173	6.4	82
40	Tuning Pt□u nanostructures by bromide ions and their superior electrocatalytic activities for methanol oxidation reaction. *Journal of Nanoparticle Research*, **2018**, 20, 1	2.3	8
39	Magnetic field controlled graphene oxide-based origami with enhanced surface area and mechanical properties. *Nanoscale*, **2017**, 9, 6991-6997	7.7	29
38	Boiling water synthesis of ultrastable thiolated silver nanoclusters with aggregation-induced emission. *Chemical Communications*, **2015**, 51, 15165-8	5.8	112
37	Comparison of interactions between human serum albumin and silver nanoparticles of different sizes using spectroscopic methods. *Luminescence*, **2015**, 30, 397-404	2.5	37
36	Fluorescence reports intact quantum dot uptake into roots and translocation to leaves of Arabidopsis thaliana and subsequent ingestion by insect herbivores. *Environmental Science & Technology*, **2015**, 49, 626-32	10.3	97
35	Recent advances in the synthesis, characterization, and biomedical applications of ultrasmall thiolated silver nanoclusters. *RSC Advances*, **2014**, 4, 60581-60596	3.7	113
34	Learning from nature: introducing an epiphyte-host relationship in the synthesis of alloy nanoparticles by co-reduction methods. *Chemical Communications*, **2014**, 50, 9765-8	5.8	6
33	Size-controlled dissolution of silver nanoparticles at neutral and acidic pH conditions: kinetics and size changes. *Environmental Science & Technology*, **2014**, 48, 11954-61	10.3	231
32	Architectural design of heterogeneous metallic nanocrystals--principles and processes. *Accounts of Chemical Research*, **2014**, 47, 3530-40	24.3	61

31	Engineering the architectural diversity of heterogeneous metallic nanocrystals. *Nature Communications*, **2013**, 4, 1454	17.4	88
30	Phytostimulation of poplars and Arabidopsis exposed to silver nanoparticles and Ag+ at sublethal concentrations. *Environmental Science & Technology*, **2013**, 47, 5442-9	10.3	171
29	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. *Chemistry of Materials*, **2013**, 25, 4746-4756	9.6	33
28	From aggregation-induced emission of Au(I)-thiolate complexes to ultrabright Au(0)@Au(I)-thiolate core-shell nanoclusters. *Journal of the American Chemical Society*, **2012**, 134, 16662-70	16.4	1067
27	Highly luminescent Ag+ nanoclusters for Hg2+ ion detection. *Nanoscale*, **2012**, 4, 1968-71	7.7	116
26	Fast Synthesis of Thiolated Au25 Nanoclusters via Protection-Deprotection Method. *Journal of Physical Chemistry Letters*, **2012**, 3, 2310-4	6.4	66
25	One-step reverse precipitation synthesis of water-dispersible superparamagnetic magnetite nanoparticles. *Journal of Nanoparticle Research*, **2012**, 14, 1	2.3	27
24	Negligible particle-specific antibacterial activity of silver nanoparticles. *Nano Letters*, **2012**, 12, 4271-5	11.5	1602
23	Synthesis of highly fluorescent metal (Ag, Au, Pt, and Cu) nanoclusters by electrostatically induced reversible phase transfer. *ACS Nano*, **2011**, 5, 8800-8	16.7	345
22	Graphene-like MoS2/amorphous carbon composites with high capacity and excellent stability as anode materials for lithium ion batteries. *Journal of Materials Chemistry*, **2011**, 21, 6251		450
21	Synthesis of shield-like singly twinned high-index Au nanoparticles. *Nanoscale*, **2011**, 3, 1497-500	7.7	20
20	Seed-Mediated Synthesis of Monodisperse Concave Trisoctahedral Gold Nanocrystals with Controllable Sizes. *Journal of Physical Chemistry C*, **2010**, 114, 11119-11126	3.8	167
19	Synthesis of nanocrystals with variable high-index Pd facets through the controlled heteroepitaxial growth of trisoctahedral Au templates. *Journal of the American Chemical Society*, **2010**, 132, 18258-65	16.4	219
18	Monodispersity control in the synthesis of monometallic and bimetallic quasi-spherical gold and silver nanoparticles. *Nanoscale*, **2010**, 2, 1962-75	7.7	124
17	Chemical synthesis, structure characterization, and optical properties of hollow PbS(x)-solid Au heterodimer nanostructures. *Chemistry - A European Journal*, **2010**, 16, 5920-6	4.8	20
16	Tuning the crystallinity of Au nanoparticles. *Small*, **2010**, 6, 523-7	11	56
15	Synthesis of Monodisperse Ag?Au Alloy Nanoparticles with Independently Tunable Morphology, Composition, Size, and Surface Chemistry and Their 3-D Superlattices. *Advanced Functional Materials*, **2009**, 19, 1387-1398	15.6	87
14	One-Step Synthesis and Characterization of Gold□Hollow PbSx Hybrid Nanoparticles. *Angewandte Chemie*, **2009**, 121, 4051-4055	3.6	2

13	One-step synthesis and characterization of gold-hollow PbS(x) hybrid nanoparticles. *Angewandte Chemie - International Edition*, **2009**, 48, 3991-5	16.4	35
12	Colloidal Synthesis of Plasmonic Metallic Nanoparticles. *Plasmonics*, **2009**, 4, 9-22	2.4	70
11	Template-free synthesis of porous platinum networks of different morphologies. *Langmuir*, **2009**, 25, 6454-9	4	22
10	Monodisperse icosahedral Ag, Au, and Pd nanoparticles: size control strategy and superlattice formation. *ACS Nano*, **2009**, 3, 139-48	16.7	167
9	The synthesis of SERS-active gold nanoflower tags for in vivo applications. *ACS Nano*, **2008**, 2, 2473-80	16.7	523
8	Carbon-Supported Pseudo-Core□Shell Pd□Pt Nanoparticles for ORR with and without Methanol. *Journal of the Electrochemical Society*, **2008**, 155, B776	3.9	83
7	Synthesis of Ag@AgAu metal core/alloy shell bimetallic nanoparticles with tunable shell compositions by a galvanic replacement reaction. *Small*, **2008**, 4, 1067-71	11	132
6	General Method for Extended Metal Nanowire Synthesis: Ethanol Induced Self-Assembly. *Journal of Physical Chemistry C*, **2007**, 111, 17158-17162	3.8	31
5	Size and composition tunable Ag□Au alloy nanoparticles by replacement reactions. *Nanotechnology*, **2007**, 18, 245605	3.4	114
4	Dissolution-recrystallization mechanism for the conversion of silver nanospheres to triangular nanoplates. *Journal of Colloid and Interface Science*, **2007**, 308, 157-61	9.3	58
3	Rational synthesis, self-assembly, and optical properties of PbS-Au heterogeneous nanostructures via preferential deposition. *Journal of the American Chemical Society*, **2006**, 128, 11921-6	16.4	228
2	Synthesis and Application of Magnetic Nanocrystal Clusters. *Industrial & Engineering Chemistry Research*,	3.9	3
1	Atom-Precision Engineering Chemistry of Noble Metal Nanoparticles. *Industrial & Engineering Chemistry Research*,	3.9	0