

# Qingbo Zhang

## List of Publications by Citations

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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	Negligible particle-specific antibacterial activity of silver nanoparticles. <i>Nano Letters</i> , <b>2012</b> , 12, 4271-5	11.5	1602
47	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> , <b>2012</b> , 134, 16662-70	16.4	1067
46	The synthesis of SERS-active gold nanoflower tags for in vivo applications. <i>ACS Nano</i> , <b>2008</b> , 2, 2473-80	16.7	523
45	Graphene-like MoS <sub>2</sub> /amorphous carbon composites with high capacity and excellent stability as anode materials for lithium ion batteries. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 6251		450
44	Synthesis of highly fluorescent metal (Ag, Au, Pt, and Cu) nanoclusters by electrostatically induced reversible phase transfer. <i>ACS Nano</i> , <b>2011</b> , 5, 8800-8	16.7	345
43	Size-controlled dissolution of silver nanoparticles at neutral and acidic pH conditions: kinetics and size changes. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 11954-61	10.3	231
42	Rational synthesis, self-assembly, and optical properties of PbS-Au heterogeneous nanostructures via preferential deposition. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 11921-6	16.4	228
41	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> , <b>2010</b> , 132, 18258-65	16.4	219
40	Phytostimulation of poplars and Arabidopsis exposed to silver nanoparticles and Ag <sup>+</sup> at sublethal concentrations. <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 5442-9	10.3	171
39	Seed-Mediated Synthesis of Monodisperse Concave Trisoctahedral Gold Nanocrystals with Controllable Sizes. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 11119-11126	3.8	167
38	Monodisperse icosahedral Ag, Au, and Pd nanoparticles: size control strategy and superlattice formation. <i>ACS Nano</i> , <b>2009</b> , 3, 139-48	16.7	167
37	Synthesis of Ag@AgAu metal core/alloy shell bimetallic nanoparticles with tunable shell compositions by a galvanic replacement reaction. <i>Small</i> , <b>2008</b> , 4, 1067-71	11	132
36	Monodispersity control in the synthesis of monometallic and bimetallic quasi-spherical gold and silver nanoparticles. <i>Nanoscale</i> , <b>2010</b> , 2, 1962-75	7.7	124
35	Highly luminescent Ag <sup>+</sup> nanoclusters for Hg <sup>2+</sup> ion detection. <i>Nanoscale</i> , <b>2012</b> , 4, 1968-71	7.7	116
34	Size and composition tunable Ag <sub>2</sub> Au alloy nanoparticles by replacement reactions. <i>Nanotechnology</i> , <b>2007</b> , 18, 245605	3.4	114
33	Recent advances in the synthesis, characterization, and biomedical applications of ultrasmall thiolated silver nanoclusters. <i>RSC Advances</i> , <b>2014</b> , 4, 60581-60596	3.7	113
32	Boiling water synthesis of ultrastable thiolated silver nanoclusters with aggregation-induced emission. <i>Chemical Communications</i> , <b>2015</b> , 51, 15165-8	5.8	112

31	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 &amp; Technology</i> , <b>2015</b> , 49, 626-32	10.3	97
30	Engineering the architectural diversity of heterogeneous metallic nanocrystals. <i>Nature Communications</i> , <b>2013</b> , 4, 1454	17.4	88
29	Synthesis of Monodisperse Ag <sub>2</sub> Au Alloy Nanoparticles with Independently Tunable Morphology, Composition, Size, and Surface Chemistry and Their 3-D Superlattices. <i>Advanced Functional Materials</i> , <b>2009</b> , 19, 1387-1398	15.6	87
28	Carbon-Supported Pseudo-Core/Shell Pd/Bi Nanoparticles for ORR with and without Methanol. <i>Journal of the Electrochemical Society</i> , <b>2008</b> , 155, B776	3.9	83
27	Emission Recovery and Stability Enhancement of Inorganic Perovskite Quantum Dots. <i>Journal of Physical Chemistry Letters</i> , <b>2018</b> , 9, 4166-4173	6.4	82
26	Colloidal Synthesis of Plasmonic Metallic Nanoparticles. <i>Plasmonics</i> , <b>2009</b> , 4, 9-22	2.4	70
25	Fast Synthesis of Thiolated Au <sub>25</sub> Nanoclusters via Protection-Deprotection Method. <i>Journal of Physical Chemistry Letters</i> , <b>2012</b> , 3, 2310-4	6.4	66
24	Ruddlesden-Popper Perovskites: Synthesis and Optical Properties for Optoelectronic Applications. <i>Advanced Science</i> , <b>2019</b> , 6, 1900941	13.6	65
23	Latest progress in constructing solid-state Z scheme photocatalysts for water splitting. <i>Nanoscale</i> , <b>2019</b> , 11, 11071-11082	7.7	63
22	Architectural design of heterogeneous metallic nanocrystals--principles and processes. <i>Accounts of Chemical Research</i> , <b>2014</b> , 47, 3530-40	24.3	61
21	Dissolution-recrystallization mechanism for the conversion of silver nanospheres to triangular nanoplates. <i>Journal of Colloid and Interface Science</i> , <b>2007</b> , 308, 157-61	9.3	58
20	Tuning the crystallinity of Au nanoparticles. <i>Small</i> , <b>2010</b> , 6, 523-7	11	56
19	Comparison of interactions between human serum albumin and silver nanoparticles of different sizes using spectroscopic methods. <i>Luminescence</i> , <b>2015</b> , 30, 397-404	2.5	37
18	One-step synthesis and characterization of gold-hollow PbS(x) hybrid nanoparticles. <i>Angewandte Chemie - International Edition</i> , <b>2009</b> , 48, 3991-5	16.4	35
17	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> , <b>2013</b> , 25, 4746-4756	9.6	33
16	General Method for Extended Metal Nanowire Synthesis: Ethanol Induced Self-Assembly. <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 17158-17162	3.8	31
15	Magnetic field controlled graphene oxide-based origami with enhanced surface area and mechanical properties. <i>Nanoscale</i> , <b>2017</b> , 9, 6991-6997	7.7	29
14	One-step reverse precipitation synthesis of water-dispersible superparamagnetic magnetite nanoparticles. <i>Journal of Nanoparticle Research</i> , <b>2012</b> , 14, 1	2.3	27

13	Template-free synthesis of porous platinum networks of different morphologies. <i>Langmuir</i> , <b>2009</b> , 25, 6454-9	4	22
12	Etched PtCu nanowires as a peroxidase mimic for colorimetric determination of hydrogen peroxide. <i>Mikrochimica Acta</i> , <b>2019</b> , 186, 186	5.8	21
11	Synthesis of shield-like singly twinned high-index Au nanoparticles. <i>Nanoscale</i> , <b>2011</b> , 3, 1497-500	7.7	20
10	Chemical synthesis, structure characterization, and optical properties of hollow PbS(x)-solid Au heterodimer nanostructures. <i>Chemistry - A European Journal</i> , <b>2010</b> , 16, 5920-6	4.8	20
9	Lipid-Encapsulated Fe <sub>3</sub> O <sub>4</sub> Nanoparticles for Multimodal Magnetic Resonance/Fluorescence Imaging. <i>ACS Applied Nano Materials</i> , <b>2020</b> , 3, 6785-6797	5.6	15
8	Silver Nanoparticle-Infused Cotton Fiber: Durability and Aqueous Release of Silver in Laundry Water. <i>Journal of Agricultural and Food Chemistry</i> , <b>2020</b> , 68, 13231-13240	5.7	8
7	Tuning PtCu nanostructures by bromide ions and their superior electrocatalytic activities for methanol oxidation reaction. <i>Journal of Nanoparticle Research</i> , <b>2018</b> , 20, 1	2.3	8
6	Learning from nature: introducing an epiphyte-host relationship in the synthesis of alloy nanoparticles by co-reduction methods. <i>Chemical Communications</i> , <b>2014</b> , 50, 9765-8	5.8	6
5	Libraries of Uniform Magnetic Multicore Nanoparticles with Tunable Dimensions for Biomedical and Photonic Applications. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 41932-41941	9.5	6
4	Synthesis and Application of Magnetic Nanocrystal Clusters. <i>Industrial &amp; Engineering Chemistry Research</i> ,	3.9	3
3	One-Step Synthesis and Characterization of Gold@Hollow PbS <sub>x</sub> Hybrid Nanoparticles. <i>Angewandte Chemie</i> , <b>2009</b> , 121, 4051-4055	3.6	2
2	Controlled oxidation and surface modification increase heating capacity of magnetic iron oxide nanoparticles. <i>Applied Physics Reviews</i> , <b>2021</b> , 8, 031407	17.3	1
1	Atom-Precision Engineering Chemistry of Noble Metal Nanoparticles. <i>Industrial &amp; Engineering Chemistry Research</i> ,	3.9	0