

# Zhentao Luo

## List of Publications by Citations

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37  
papers

6,549  
citations

32  
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38  
g-index

38  
ext. papers

7,184  
ext. citations

10  
avg, IF

5.84  
L-index

#	Paper	IF	Citations
37	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
36	Luminescent Metal Nanoclusters with Aggregation-Induced Emission. <i>Journal of Physical Chemistry Letters</i> , <b>2016</b> , 7, 962-75	6.4	493
35	Identification of a highly luminescent Au <sub>22</sub> (SG) <sub>18</sub> nanocluster. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 1246-9	16.4	436
34	Engineering ultrasmall water-soluble gold and silver nanoclusters for biomedical applications. <i>Chemical Communications</i> , <b>2014</b> , 50, 5143-55	5.8	346
33	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
32	Ultrasmall Au(10-12)(SG)(10-12) nanomolecules for high tumor specificity and cancer radiotherapy. <i>Advanced Materials</i> , <b>2014</b> , 26, 4565-8	24	340
31	Glutathione-protected silver nanoclusters as cysteine-selective fluorometric and colorimetric probe. <i>Analytical Chemistry</i> , <b>2013</b> , 85, 1913-9	7.8	279
30	Enhanced tumor accumulation of sub-2 nm gold nanoclusters for cancer radiation therapy. <i>Advanced Healthcare Materials</i> , <b>2014</b> , 3, 133-41	10.1	266
29	Luminescent noble metal nanoclusters as an emerging optical probe for sensor development. <i>Chemistry - an Asian Journal</i> , <b>2013</b> , 8, 858-71	4.5	261
28	Toward understanding the growth mechanism: tracing all stable intermediate species from reduction of Au(I)-thiolate complexes to evolution of Au <sub>n</sub> nanoclusters. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 10577-80	16.4	255
27	Balancing the rate of cluster growth and etching for gram-scale synthesis of thiolate-protected Au(25) nanoclusters with atomic precision. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 4623-7	16.4	229
26	Hierarchically structured Co <sub>2</sub> O <sub>3</sub> @Pt@MnO <sub>2</sub> nanowire arrays for high-performance supercapacitors. <i>Scientific Reports</i> , <b>2013</b> , 3, 2978	4.9	212
25	Ultrasmall glutathione-protected gold nanoclusters as next generation radiotherapy sensitizers with high tumor uptake and high renal clearance. <i>Scientific Reports</i> , <b>2015</b> , 5, 8669	4.9	183
24	Lighting up thiolated Au@Ag nanoclusters via aggregation-induced emission. <i>Nanoscale</i> , <b>2014</b> , 6, 157-61	7.7	165
23	Atomic-Precision Gold Clusters for NIR-II Imaging. <i>Advanced Materials</i> , <b>2019</b> , 31, e1901015	24	149
22	Observation of cluster size growth in CO-directed synthesis of Au <sub>25</sub> (SR) <sub>18</sub> nanoclusters. <i>ACS Nano</i> , <b>2012</b> , 6, 7920-7	16.7	144
21	Theranostic vitamin E TPGS micelles of transferrin conjugation for targeted co-delivery of docetaxel and ultra bright gold nanoclusters. <i>Biomaterials</i> , <b>2015</b> , 39, 234-48	15.6	138

20	Engineering gold-based radiosensitizers for cancer radiotherapy. <i>Materials Horizons</i> , <b>2017</b> , 4, 817-831	14.4	132
19	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
18	Nanostructured LiMn2O4 and their composites as high-performance cathodes for lithium-ion batteries. <i>Progress in Natural Science: Materials International</i> , <b>2012</b> , 22, 572-584	3.6	106
17	The potent antimicrobial properties of cell penetrating peptide-conjugated silver nanoparticles with excellent selectivity for gram-positive bacteria over erythrocytes. <i>Nanoscale</i> , <b>2013</b> , 5, 3834-40	7.7	105
16	Precursor engineering and controlled conversion for the synthesis of monodisperse thiolate-protected metal nanoclusters. <i>Nanoscale</i> , <b>2013</b> , 5, 4606-20	7.7	93
15	Energy Transfer between Conjugated-Oligoelectrolyte-Substituted POSS and Gold Nanocluster for Multicolor Intracellular Detection of Mercury Ion. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 13069-13075	7.8	90
14	Amphiphilic Polymeric Nanocarriers with Luminescent Gold Nanoclusters for Concurrent Bioimaging and Controlled Drug Release. <i>Advanced Functional Materials</i> , <b>2013</b> , 23, 4324-4331	15.6	88
13	Synthesis of Water-Soluble [Au(SR)] Using a Stoichiometric Amount of NaBH. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 11370-11377	16.4	72
12	Structure and formation of highly luminescent protein-stabilized gold clusters. <i>Chemical Science</i> , <b>2018</b> , 9, 2782-2790	9.4	57
11	Tailoring the protein conformation to synthesize different-sized gold nanoclusters. <i>Chemical Communications</i> , <b>2013</b> , 49, 9740-2	5.8	56
10	Molecular-Scale Ligand Effects in Small Gold-Thiolate Nanoclusters. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 15430-15436	16.4	56
9	Facile synthesis of water-soluble Au(25-x)Ag(x) nanoclusters protected by mono- and bi-thiolate ligands. <i>Chemical Communications</i> , <b>2014</b> , 50, 7459-62	5.8	53
8	Balancing the Rate of Cluster Growth and Etching for Gram-Scale Synthesis of Thiolate-Protected Au25 Nanoclusters with Atomic Precision. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 4711-4715	3.6	47
7	Storage of gold nanoclusters in muscle leads to their biphasic in vivo clearance. <i>Small</i> , <b>2015</b> , 11, 1683-90	11	45
6	Assembly of nanoions via electrostatic interactions: ion-like behavior of charged noble metal nanoclusters. <i>Scientific Reports</i> , <b>2014</b> , 4, 3848	4.9	42
5	Traveling through the Desalting Column Spontaneously Transforms Thiolated Ag Nanoclusters from Nonluminescent to Highly Luminescent. <i>Journal of Physical Chemistry Letters</i> , <b>2013</b> , 4, 1811-5	6.4	28
4	Synthesis of thiolate-protected Au nanoparticles revisited: U-shape trend between the size of nanoparticles and thiol-to-Au ratio. <i>Chemical Communications</i> , <b>2016</b> , 52, 9522-5	5.8	20
3	Solvent Controls the Formation of Au29(SR)20 Nanoclusters in the CO-Reduction Method. <i>Particle and Particle Systems Characterization</i> , <b>2014</b> , 31, 652-656	3.1	19

2	Nanostructured lithium titanate and lithium titanate/carbon nanocomposite as anode materials for advanced lithium-ion batteries. <i>Nanotechnology Reviews</i> , <b>2014</b> , 3,	6.3	13
1	Radiosensitizers: Enhanced Tumor Accumulation of Sub-2 nm Gold Nanoclusters for Cancer Radiation Therapy (Adv. Healthcare Mater. 1/2014). <i>Advanced Healthcare Materials</i> , <b>2014</b> , 3, 152-152	10.1	7