

Zhentao Luo

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.

37
papers

6,549
citations

32
h-index

38
g-index

38
ext. papers

7,184
ext. citations

10
avg, IF

5.84
L-index

#	Paper	IF	Citations
37	Atomic-Precision Gold Clusters for NIR-II Imaging. <i>Advanced Materials</i> , 2019 , 31, e1901015	24	149
36	Structure and formation of highly luminescent protein-stabilized gold clusters. <i>Chemical Science</i> , 2018 , 9, 2782-2790	9.4	57
35	Synthesis of Water-Soluble [Au(SR)] Using a Stoichiometric Amount of NaBH. <i>Journal of the American Chemical Society</i> , 2018 , 140, 11370-11377	16.4	72
34	Molecular-Scale Ligand Effects in Small Gold-Thiolate Nanoclusters. <i>Journal of the American Chemical Society</i> , 2018 , 140, 15430-15436	16.4	56
33	Engineering gold-based radiosensitizers for cancer radiotherapy. <i>Materials Horizons</i> , 2017 , 4, 817-831	14.4	132
32	Luminescent Metal Nanoclusters with Aggregation-Induced Emission. <i>Journal of Physical Chemistry Letters</i> , 2016 , 7, 962-75	6.4	493
31	Synthesis of thiolate-protected Au nanoparticles revisited: U-shape trend between the size of nanoparticles and thiol-to-Au ratio. <i>Chemical Communications</i> , 2016 , 52, 9522-5	5.8	20
30	Ultrasmall glutathione-protected gold nanoclusters as next generation radiotherapy sensitizers with high tumor uptake and high renal clearance. <i>Scientific Reports</i> , 2015 , 5, 8669	4.9	183
29	Boiling water synthesis of ultrastable thiolated silver nanoclusters with aggregation-induced emission. <i>Chemical Communications</i> , 2015 , 51, 15165-8	5.8	112
28	Storage of gold nanoclusters in muscle leads to their biphasic in vivo clearance. <i>Small</i> , 2015 , 11, 1683-90	11	45
27	Theranostic vitamin E TPGS micelles of transferrin conjugation for targeted co-delivery of docetaxel and ultra bright gold nanoclusters. <i>Biomaterials</i> , 2015 , 39, 234-48	15.6	138
26	Assembly of nanoions via electrostatic interactions: ion-like behavior of charged noble metal nanoclusters. <i>Scientific Reports</i> , 2014 , 4, 3848	4.9	42
25	Balancing the Rate of Cluster Growth and Etching for Gram-Scale Synthesis of Thiolate-Protected Au ₂₅ Nanoclusters with Atomic Precision. <i>Angewandte Chemie</i> , 2014 , 126, 4711-4715	3.6	47
24	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> , 2014 , 53, 4623-7	16.4	229
23	Lighting up thiolated Au@Ag nanoclusters via aggregation-induced emission. <i>Nanoscale</i> , 2014 , 6, 157-61	7.7	165
22	Identification of a highly luminescent Au ₂₂ (SG) ₁₈ nanocluster. <i>Journal of the American Chemical Society</i> , 2014 , 136, 1246-9	16.4	436
21	Engineering ultrasmall water-soluble gold and silver nanoclusters for biomedical applications. <i>Chemical Communications</i> , 2014 , 50, 5143-55	5.8	346

20	Toward understanding the growth mechanism: tracing all stable intermediate species from reduction of Au(I)-thiolate complexes to evolution of Au _n nanoclusters. <i>Journal of the American Chemical Society</i> , 2014 , 136, 10577-80	16.4	255
19	Ultrasml Au(10-12)(SG)(10-12) nanomolecules for high tumor specificity and cancer radiotherapy. <i>Advanced Materials</i> , 2014 , 26, 4565-8	24	340
18	Facile synthesis of water-soluble Au(25-x)Ag(x) nanoclusters protected by mono- and bi-thiolate ligands. <i>Chemical Communications</i> , 2014 , 50, 7459-62	5.8	53
17	Nanostructured lithium titanate and lithium titanate/carbon nanocomposite as anode materials for advanced lithium-ion batteries. <i>Nanotechnology Reviews</i> , 2014 , 3,	6.3	13
16	Solvent Controls the Formation of Au ₂₉ (SR) ₂₀ Nanoclusters in the CO-Reduction Method. <i>Particle and Particle Systems Characterization</i> , 2014 , 31, 652-656	3.1	19
15	Radiosensitizers: Enhanced Tumor Accumulation of Sub-2 nm Gold Nanoclusters for Cancer Radiation Therapy (Adv. Healthcare Mater. 1/2014). <i>Advanced Healthcare Materials</i> , 2014 , 3, 152-152	10.1	7
14	Enhanced tumor accumulation of sub-2 nm gold nanoclusters for cancer radiation therapy. <i>Advanced Healthcare Materials</i> , 2014 , 3, 133-41	10.1	266
13	Glutathione-protected silver nanoclusters as cysteine-selective fluorometric and colorimetric probe. <i>Analytical Chemistry</i> , 2013 , 85, 1913-9	7.8	279
12	Tailoring the protein conformation to synthesize different-sized gold nanoclusters. <i>Chemical Communications</i> , 2013 , 49, 9740-2	5.8	56
11	Amphiphilic Polymeric Nanocarriers with Luminescent Gold Nanoclusters for Concurrent Bioimaging and Controlled Drug Release. <i>Advanced Functional Materials</i> , 2013 , 23, 4324-4331	15.6	88
10	Hierarchically structured Co ₃ O ₄ @Pt@MnO ₂ nanowire arrays for high-performance supercapacitors. <i>Scientific Reports</i> , 2013 , 3, 2978	4.9	212
9	Luminescent noble metal nanoclusters as an emerging optical probe for sensor development. <i>Chemistry - an Asian Journal</i> , 2013 , 8, 858-71	4.5	261
8	Precursor engineering and controlled conversion for the synthesis of monodisperse thiolate-protected metal nanoclusters. <i>Nanoscale</i> , 2013 , 5, 4606-20	7.7	93
7	Traveling through the Desalting Column Spontaneously Transforms Thiolated Ag Nanoclusters from Nonluminescent to Highly Luminescent. <i>Journal of Physical Chemistry Letters</i> , 2013 , 4, 1811-5	6.4	28
6	The potent antimicrobial properties of cell penetrating peptide-conjugated silver nanoparticles with excellent selectivity for gram-positive bacteria over erythrocytes. <i>Nanoscale</i> , 2013 , 5, 3834-40	7.7	105
5	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, 16662-70	16.4	1067
4	Observation of cluster size growth in CO-directed synthesis of Au ₂₅ (SR) ₁₈ nanoclusters. <i>ACS Nano</i> , 2012 , 6, 7920-7	16.7	144
3	Nanostructured LiMn ₂ O ₄ and their composites as high-performance cathodes for lithium-ion batteries. <i>Progress in Natural Science: Materials International</i> , 2012 , 22, 572-584	3.6	106

- 2 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
- 1 Energy Transfer between Conjugated-Oligoelectrolyte-Substituted POSS and Gold Nanocluster for Multicolor Intracellular Detection of Mercury Ion. *Journal of Physical Chemistry C*, **2011**, 115, 13069-13075^{3,8} 90