

Zhentao Luo

List of Publications by Year in descending order

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36
papers

7,799
citations

136885

32
h-index

330025

37
g-index

38
all docs

38
docs citations

38
times ranked

7092
citing authors

#	ARTICLE	IF	CITATIONS
1	From Aggregation-Induced Emission of Au(I)â€“Thiolate Complexes to Ultrabright Au(0)@Au(I)â€“Thiolate Coreâ€“Shell Nanoclusters. <i>Journal of the American Chemical Society</i> , 2012, 134, 16662-16670.	6.6	1,340
2	Luminescent Metal Nanoclusters with Aggregation-Induced Emission. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 962-975.	2.1	595
3	Identification of a Highly Luminescent Au ₂₂ (SG) ₁₈ Nanocluster. <i>Journal of the American Chemical Society</i> , 2014, 136, 1246-1249.	6.6	490
4	Engineering ultrasmall water-soluble gold and silver nanoclusters for biomedical applications. <i>Chemical Communications</i> , 2014, 50, 5143-5155.	2.2	394
5	Ultrasmall Au ₁₀ ¹² (SG) ₁₀ ¹² Nanomolecules for High Tumor Specificity and Cancer Radiotherapy. <i>Advanced Materials</i> , 2014, 26, 4565-4568.	11.1	386
6	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
7	Glutathione-Protected Silver Nanoclusters as Cysteine-Selective Fluorometric and Colorimetric Probe. <i>Analytical Chemistry</i> , 2013, 85, 1913-1919.	3.2	312
8	Enhanced Tumor Accumulation of Subâ€“2 nm Gold Nanoclusters for Cancer Radiation Therapy. <i>Advanced Healthcare Materials</i> , 2014, 3, 133-141.	3.9	309
9	Luminescent Noble Metal Nanoclusters as an Emerging Optical Probe for Sensor Development. <i>Chemistry - an Asian Journal</i> , 2013, 8, 858-871.	1.7	299
10	Toward Understanding the Growth Mechanism: Tracing All Stable Intermediate Species from Reduction of Au(I)â€“Thiolate Complexes to Evolution of Au ₂₅ Nanoclusters. <i>Journal of the American Chemical Society</i> , 2014, 136, 10577-10580.	6.6	294
11	Atomicâ€“Precision Gold Clusters for NIRâ€“Imaging. <i>Advanced Materials</i> , 2019, 31, e1901015.	11.1	279
12	Balancing the Rate of Cluster Growth and Etching for Gramâ€“Scale Synthesis of Thiolateâ€“Protected Au ₂₅ Nanoclusters with Atomic Precision. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 4623-4627.	7.2	276
13	Hierarchically Structured Co ₃ O ₄ @Pt@MnO ₂ Nanowire Arrays for High-Performance Supercapacitors. <i>Scientific Reports</i> , 2013, 3, 2978.	1.6	234
14	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.	1.6	212
15	Lighting up thiolated Au@Ag nanoclusters via aggregation-induced emission. <i>Nanoscale</i> , 2014, 6, 157-161.	2.8	186
16	Engineering gold-based radiosensitizers for cancer radiotherapy. <i>Materials Horizons</i> , 2017, 4, 817-831.	6.4	173
17	Theranostic vitamin E TPGS micelles of transferrin conjugation for targeted co-delivery of docetaxel and ultra bright gold nanoclusters. <i>Biomaterials</i> , 2015, 39, 234-248.	5.7	169
18	Observation of Cluster Size Growth in CO-Directed Synthesis of Au ₂₅ (SR) ₁₈ Nanoclusters. <i>ACS Nano</i> , 2012, 6, 7920-7927.	7.3	157

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19	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.	1.8	137
20	Boiling water synthesis of ultrastable thiolated silver nanoclusters with aggregation-induced emission. <i>Chemical Communications</i> , 2015, 51, 15165-15168.	2.2	128
21	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.	2.8	120
22	Amphiphilic Polymeric Nanocarriers with Luminescent Gold Nanoclusters for Concurrent Bioimaging and Controlled Drug Release. <i>Advanced Functional Materials</i> , 2013, 23, 4324-4331.	7.8	105
23	Energy Transfer between Conjugated-Oligoelectrolyte-Substituted POSS and Gold Nanocluster for Multicolor Intracellular Detection of Mercury Ion. <i>Journal of Physical Chemistry C</i> , 2011, 115, 13069-13075.	1.5	100
24	Precursor engineering and controlled conversion for the synthesis of monodisperse thiolate-protected metal nanoclusters. <i>Nanoscale</i> , 2013, 5, 4606.	2.8	100
25	Molecular-Scale Ligand Effects in Small Gold Thiolate Nanoclusters. <i>Journal of the American Chemical Society</i> , 2018, 140, 15430-15436.	6.6	90
26	Synthesis of Water-Soluble [Au ₂₅ (SR) ₁₈] ⁺ Using a Stoichiometric Amount of NaBH ₄ . <i>Journal of the American Chemical Society</i> , 2018, 140, 11370-11377.	6.6	90
27	Structure and formation of highly luminescent protein-stabilized gold clusters. <i>Chemical Science</i> , 2018, 9, 2782-2790.	3.7	76
28	Tailoring the protein conformation to synthesize different-sized gold nanoclusters. <i>Chemical Communications</i> , 2013, 49, 9740.	2.2	59
29	Facile synthesis of water-soluble Au ₂₅ xAg _x nanoclusters protected by mono- and bi-thiolate ligands. <i>Chemical Communications</i> , 2014, 50, 7459.	2.2	59
30	Storage of Gold Nanoclusters in Muscle Leads to their Biphasic in Vivo Clearance. <i>Small</i> , 2015, 11, 1683-1690.	5.2	55
31	Assembly of Nanoions via Electrostatic Interactions: Ion-Like Behavior of Charged Noble Metal Nanoclusters. <i>Scientific Reports</i> , 2014, 4, 3848.	1.6	47
32	Traveling through the Desalting Column Spontaneously Transforms Thiolated Ag Nanoclusters from Nonluminescent to Highly Luminescent. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 1811-1815.	2.1	31
33	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, 9522-9525.	2.2	24
34	Solvent Controls the Formation of Au ₂₉ (SR) ₂₀ Nanoclusters in the CO ₂ Reduction Method. <i>Particle and Particle Systems Characterization</i> , 2014, 31, 652-656.	1.2	22
35	Nanostructured lithium titanate and lithium titanate/carbon nanocomposite as anode materials for advanced lithium-ion batteries. <i>Nanotechnology Reviews</i> , 2014, 3, .	2.6	17
36	Radiosensitizers: Enhanced Tumor Accumulation of Sub-2 nm Gold Nanoclusters for Cancer Radiation Therapy (<i>Adv. Healthcare Mater.</i> 1/2014). <i>Advanced Healthcare Materials</i> , 2014, 3, 152-152.	3.9	9