

Zhao-Yang Wang

List of Publications by Year in descending order

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29
papers

1,673
citations

471509

17
h-index

477307

29
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30
all docs

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docs citations

30
times ranked

1283
citing authors

#	ARTICLE	IF	CITATIONS
1	Atomically Precise Site-Specific Tailoring and Directional Assembly of Superatomic Silver Nanoclusters. <i>Journal of the American Chemical Society</i> , 2018, 140, 1069-1076.	13.7	266
2	Ultrastable atomically precise chiral silver clusters with more than 95% quantum efficiency. <i>Science Advances</i> , 2020, 6, eaay0107.	10.3	175
3	AIE Triggers the Circularly Polarized Luminescence of Atomically Precise Enantiomeric Copper(I) Alkynyl Clusters. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 10052-10058.	13.8	165
4	Porphyrinic Silver Cluster Assembled Material for Simultaneous Capture and Photocatalysis of Mustard-Gas Simulant. <i>Journal of the American Chemical Society</i> , 2019, 141, 14505-14509.	13.7	161
5	Atomically Precise Gold- ⁶⁴ Levonorgestrel Nanocluster as a Radiosensitizer for Enhanced Cancer Therapy. <i>ACS Nano</i> , 2019, 13, 8320-8328.	14.6	126
6	Ligand engineering to achieve enhanced ratiometric oxygen sensing in a silver cluster-based metal-organic framework. <i>Nature Communications</i> , 2020, 11, 3678.	12.8	122
7	Alkynyl-Stabilized Superatomic Silver Clusters Showing Circularly Polarized Luminescence. <i>Journal of the American Chemical Society</i> , 2021, 143, 6048-6053.	13.7	95
8	Spontaneous Resolution of Chiral Multi-Thiolate-Protected Ag ₃₀ Nanoclusters. <i>ACS Central Science</i> , 2020, 6, 1971-1976.	11.3	70
9	<i>o</i> -Carborane-Based and Atomically Precise Metal Clusters as Hypergolic Materials. <i>Journal of the American Chemical Society</i> , 2020, 142, 12010-12014.	13.7	68
10	Smart Transformation of a Polyhedral Oligomeric Silsesquioxane Shell Controlled by Thiolate Silver(I) Nanocluster Core in Cluster@Clusters Dendrimers. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 12775-12779.	13.8	59
11	Carboranealkynyl-Protected Gold Nanoclusters: Size Conversion and UV/Vis-NIR Optical Properties. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 5959-5964.	13.8	52
12	Symmetry Breaking of Atomically Precise Fullerene-like Metal Nanoclusters. <i>Journal of the American Chemical Society</i> , 2021, 143, 12439-12444.	13.7	49
13	Intercluster aurophilicity-driven aggregation lighting circularly polarized luminescence of chiral gold clusters. <i>Nano Research</i> , 2020, 13, 3248-3252.	10.4	47
14	AIE Triggers the Circularly Polarized Luminescence of Atomically Precise Enantiomeric Copper(I) Alkynyl Clusters. <i>Angewandte Chemie</i> , 2020, 132, 10138-10144.	2.0	34
15	Reversible Wide-Range Tuneable Luminescence of a Dual-Stimuli-Responsive Silver Cluster-Assembled Material. <i>Chinese Journal of Chemistry</i> , 2019, 37, 1120-1124.	4.9	30
16	Self-Assembly of a Stable Silver Thiolate Nanocluster Encapsulating a Lacunary Keggin Phosphotungstate Anion. <i>Inorganic Chemistry</i> , 2018, 57, 4828-4832.	4.0	29
17	Directional Doping and Cocrystallizing an Open-Shell Ag ₃₉ Superatom <i>via</i> Precursor Engineering. <i>ACS Nano</i> , 2022, 16, 5507-5514.	14.6	24
18	Self-assembly of thiolate-protected silver coordination polymers regulated by POMs. <i>Nanoscale</i> , 2020, 12, 10944-10948.	5.6	20

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19	A multifunctional AIE gold cluster-based theranostic system: tumor-targeted imaging and Fenton reaction-assisted enhanced radiotherapy. <i>Journal of Nanobiotechnology</i> , 2021, 19, 438.	9.1	15
20	Layer-by-layer alloying of NIR-II emissive M50 (Au/Ag/Cu) superatomic nanocluster. <i>Nano Research</i> , 2022, 15, 5569-5574.	10.4	15
21	Smart Transformation of a Polyhedral Oligomeric Silsesquioxane Shell Controlled by Thiolate Silver(I) Nanocluster Core in Cluster@Clusters Dendrimers. <i>Angewandte Chemie</i> , 2018, 130, 12957-12961.	2.0	13
22	<sc>Goldâ€Hydrogen</sc> Nanoclusters: <sc>Atomâ€Precise</sc> Model to Unveil Catalytic Mechanism and Growth Process of Gold Nanoparticles. <i>Chinese Journal of Chemistry</i> , 2020, 38, 663-664.	4.9	8
23	Recoverable Mechanoresponsive Luminescent Molecular Sponge Material: A Novel Aryl Gold(I) Isocyanide Compound. <i>Crystal Growth and Design</i> , 2019, 19, 538-542.	3.0	7
24	Carboranealkynylâ€Protected Gold Nanoclusters: Size Conversion and UV/Visâ€NIR Optical Properties. <i>Angewandte Chemie</i> , 2021, 133, 6024-6029.	2.0	6
25	Synthesis and crystal structures of copper(II) and silver(I) complexes of a semi-rigid bipyrazolyl ligand. <i>Transition Metal Chemistry</i> , 2010, 35, 381-386.	1.4	5
26	Synthesis and crystal structures of silver(I) and copper(II) complexes with p-xylylene-bridged bipyrazolyl ligands. <i>Transition Metal Chemistry</i> , 2011, 36, 731-737.	1.4	5
27	A robust wave-like silverâ€thiolate chain based metalâ€organic network: synthesis, structure and luminescence. <i>CrystEngComm</i> , 2019, 21, 2264-2267.	2.6	3
28	Copper Nanoclusters: Cu₁₄ Cluster with Partial Cu(0) Character: Difference in Electronic Structure from Isostructural Silver Analog (<i>Adv. Sci.</i> 18/2019). <i>Advanced Science</i> , 2019, 6, 1970108.	11.2	2
29	Photoluminescence and Electrochemical Sensing of Atomically Precise Cu₁₃ Cluster. <i>Acta Chimica Sinica</i> , 2021, 79, 1037.	1.4	2