

Tian-Yi Luo

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,763
citations

331670

21
h-index

434195

31
g-index

31
all docs

31
docs citations

31
times ranked

2312
citing authors

#	ARTICLE	IF	CITATIONS
1	Identifying UiO-67 Metal-Organic Framework Defects and Binding Sites through Ammonia Adsorption. <i>ChemSusChem</i> , 2022, 15, .	6.8	6
2	Two-dimensional Zr/Hf-hydroxamate metal-organic frameworks. <i>Chemical Communications</i> , 2022, 58, 3601-3604.	4.1	12
3	Tuning the Lewis acidity of metal-organic frameworks for enhanced catalysis. <i>Dalton Transactions</i> , 2021, 50, 3116-3120.	3.3	9
4	Interplay between Intrinsic Thermal Stability and Expansion Properties of Functionalized UiO-67 Metal-Organic Frameworks. <i>Chemistry of Materials</i> , 2021, 33, 910-920.	6.7	17
5	Doping Effect on the Magnetism of Thiolate-Capped 25-Atom Alloy Nanoclusters. <i>Chemistry of Materials</i> , 2020, 32, 9238-9244.	6.7	22
6	Atom-by-Atom Evolution of the Same Ligand-Protected Au ₂₁ , Au ₂₂ , Au ₂₂ Cd ₁ , and Au ₂₄ Nanocluster Series. <i>Journal of the American Chemical Society</i> , 2020, 142, 20426-20433.	13.7	36
7	Heteroatom Tracing Reveals the 30-Atom Au-Ag Bimetallic Nanocluster as a Dimeric Structure. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 7307-7312.	4.6	9
8	Luminescence Turn-On-Detection of Gossypol Using Ln ³⁺ -Based Metal-Organic Frameworks and Ln ³⁺ Salts. <i>Journal of the American Chemical Society</i> , 2020, 142, 2897-2904.	13.7	151
9	Ship-in-a-Bottle Preparation of Long Wavelength Molecular Antennae in Lanthanide Metal-Organic Frameworks for Biological Imaging. <i>Journal of the American Chemical Society</i> , 2020, 142, 8776-8781.	13.7	50
10	Design, Synthesis, and Characterization of Metal-Organic Frameworks for Enhanced Sorption of Chemical Warfare Agent Simulants. <i>Journal of Physical Chemistry C</i> , 2019, 123, 19748-19758.	3.1	33
11	Au ₁₃₀ Ag ₁₃₀ Nanoclusters with Non-Metallicity: A Drum of Silver-Rich Sites Enclosed in a Marks-Decahedral Cage of Gold-Rich Sites. <i>Angewandte Chemie</i> , 2019, 131, 18974-18978.	2.0	15
12	Au ₁₃₀ Ag ₁₃₀ Nanoclusters with Non-Metallicity: A Drum of Silver-Rich Sites Enclosed in a Marks-Decahedral Cage of Gold-Rich Sites. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 18798-18802.	13.8	32
13	Growth of ZIF-8 on molecularly ordered 2-methylimidazole/single-walled carbon nanotubes to form highly porous, electrically conductive composites. <i>Chemical Science</i> , 2019, 10, 737-742.	7.4	34
14	The effect of physical adsorption on the capacitance of activated carbon electrodes. <i>Carbon</i> , 2019, 150, 334-339.	10.3	8
15	One Approach for Two: Toward the Creation of Near-Infrared Imaging Agents and Rapid Screening of Lanthanide(III) Ion Sensitizers Using Polystyrene Nanobeads. <i>ACS Applied Bio Materials</i> , 2019, 2, 1667-1675.	4.6	8
16	Multivariate Stratified Metal-Organic Frameworks: Diversification Using Domain Building Blocks. <i>Journal of the American Chemical Society</i> , 2019, 141, 2161-2168.	13.7	91
17	Programmable Topology in New Families of Heterobimetallic Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2018, 140, 6194-6198.	13.7	78
18	Modulating the hierarchical fibrous assembly of Au nanoparticles with atomic precision. <i>Nature Communications</i> , 2018, 9, 3871.	12.8	77

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19	A Correlated Series of Au/Ag Nanoclusters Revealing the Evolutionary Patterns of Asymmetric Ag Doping. <i>Journal of the American Chemical Society</i> , 2018, 140, 14235-14243.	13.7	63
20	Single-ligand exchange on an Au@Cu bimetal nanocluster and mechanism. <i>Nanoscale</i> , 2018, 10, 12093-12099.	5.6	30
21	Near infrared excitation and emission in rare earth MOFs <i>via</i> encapsulation of organic dyes. <i>Chemical Science</i> , 2018, 9, 8099-8102.	7.4	53
22	Rare Earth pcu Metal-Organic Framework Platform Based on RE ₄ ($\frac{1}{4}$ -OH) ₄ (COO) ₆ ²⁺ Clusters: Rational Design, Directed Synthesis, and Deliberate Tuning of Excitation Wavelengths. <i>Journal of the American Chemical Society</i> , 2017, 139, 9333-9340.	13.7	102
23	Molecular "surgery" on a 23-gold-atom nanoparticle. <i>Science Advances</i> , 2017, 3, e1603193.	10.3	121
24	Shuttling single metal atom into and out of a metal nanoparticle. <i>Nature Communications</i> , 2017, 8, 848.	12.8	77
25	Reconstructing the Surface of Gold Nanoclusters by Cadmium Doping. <i>Journal of the American Chemical Society</i> , 2017, 139, 17779-17782.	13.7	84
26	Tailoring the Structure of 58-Electron Gold Nanoclusters: Au ₁₀₃ S ₂ (S-Nap) ₄₁ and Its Implications. <i>Journal of the American Chemical Society</i> , 2017, 139, 9994-10001.	13.7	159
27	Establishing Porosity Gradients within Metal-Organic Frameworks Using Partial Postsynthetic Ligand Exchange. <i>Journal of the American Chemical Society</i> , 2016, 138, 12045-12048.	13.7	112
28	Silicon Nanoparticles with Surface Nitrogen: 90% Quantum Yield with Narrow Luminescence Bandwidth and the Ligand Structure Based Energy Law. <i>ACS Nano</i> , 2016, 10, 8385-8393.	14.6	154
29	Orthogonal Ternary Functionalization of a Mesoporous Metal-Organic Framework via Sequential Postsynthetic Ligand Exchange. <i>Journal of the American Chemical Society</i> , 2015, 137, 10508-10511.	13.7	96
30	TACN-containing cationic lipids with ester bond: Preparation and application in gene delivery. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011, 21, 7045-7049.	2.2	23