Tian-Yi Luo

List of Publications by Year
in descending order

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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	Tailoring the Structure of 58-Electron Gold Nanoclusters: Au₁₀₃S₂(S-Nap)₄₁ and Its Implications. Journal of the American Chemical Society, 2017, 139, 9994-10001.	13.7	159
2	Silicon Nanoparticles with Surface Nitrogen: 90% Quantum Yield with Narrow Luminescence Bandwidth and the Ligand Structure Based Energy Law. ACS Nano, 2016, 10, 8385-8393.	14.6	154
3	Luminescence â€œTurn-Onâ€•Detection of Gossypol Using Ln³⁺-Based Metalâ€“Organic Frameworks and Ln³⁺ Salts. Journal of the American Chemical Society, 2020, 142, 2897-2904.	13.7	151
4	Molecular â€œsurgeryâ€•on a 23-gold-atom nanoparticle. Science Advances, 2017, 3, e1603193.	10.3	121
5	Establishing Porosity Gradients within Metalâ€“Organic Frameworks Using Partial Postsynthetic Ligand Exchange. Journal of the American Chemical Society, 2016, 138, 12045-12048.	13.7	112
6	Rare Earth pcu Metalâ€“Organic Framework Platform Based on RE₄(Î¼₃-OH)₄(COO)₆²⁺ Clusters: Rational Design, Directed Synthesis, and Deliberate Tuning of Excitation Wavelengths. Journal of the American Chemical Society, 2017, 139, 9333-9340.	13.7	102
7	Orthogonal Ternary Functionalization of a Mesoporous Metalâ€“Organic Framework via Sequential Postsynthetic Ligand Exchange. Journal of the American Chemical Society, 2015, 137, 10508-10511.	13.7	96
8	Multivariate Stratified Metalâ€“Organic Frameworks: Diversification Using Domain Building Blocks. Journal of the American Chemical Society, 2019, 141, 2161-2168.	13.7	91
9	Reconstructing the Surface of Gold Nanoclusters by Cadmium Doping. Journal of the American Chemical Society, 2017, 139, 17779-17782.	13.7	84
10	Programmable Topology in New Families of Heterobimetallic Metalâ€“Organic Frameworks. Journal of the American Chemical Society, 2018, 140, 6194-6198.	13.7	78
11	Shuttling single metal atom into and out of a metal nanoparticle. Nature Communications, 2017, 8, 848.	12.8	77
12	Modulating the hierarchicalÂfibrous assembly of Au nanoparticles with atomic precision. Nature Communications, 2018, 9, 3871.	12.8	77
13	A Correlated Series of Au/Ag Nanoclusters Revealing the Evolutionary Patterns of Asymmetric Ag Doping. Journal of the American Chemical Society, 2018, 140, 14235-14243.	13.7	63
14	Near infrared excitation and emission in rare earth MOFs via encapsulation of organic dyes. Chemical Science, 2018, 9, 8099-8102.	7.4	53
15	Ship-in-a-Bottle Preparation of Long Wavelength Molecular Antennae in Lanthanide Metalâ€“Organic Frameworks for Biological Imaging. Journal of the American Chemical Society, 2020, 142, 8776-8781.	13.7	50
16	Atom-by-Atom Evolution of the Same Ligand-Protected Au₂₁, Au₂₂, Au₂₂Cd₁, and Au₂₄ Nanocluster Series. Journal of the American Chemical Society, 2020, 142, 20426-20433.	13.7	36
17	Growth of ZIF-8 on molecularly ordered 2-methylimidazole/single-walled carbon nanotubes to form highly porous, electrically conductive composites. Chemical Science, 2019, 10, 737-742.	7.4	34
18	Design, Synthesis, and Characterization of Metalâ€“Organic Frameworks for Enhanced Sorption of Chemical Warfare Agent Simulants. Journal of Physical Chemistry C, 2019, 123, 19748-19758.	3.1	33

#	Article	IF	Citations
19	Au_{130â^'x}Ag_x Nanoclusters with Nonâ€Metallicity: A Drum of Silverâ€Rich Sites Enclosed in a Marksâ€Decahedral Cage of Goldâ€Rich Sites. Angewandte Chemie - International Edition, 2019, 58, 18798-18802.	13.8	32
20	Single-ligand exchange on an Auâ€“Cu bimetal nanocluster and mechanism. Nanoscale, 2018, 10, 12093-12099.	5.6	30
21	TACN-containing cationic lipids with ester bond: Preparation and application in gene delivery. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 7045-7049.	2.2	23
22	Doping Effect on the Magnetism of Thiolate-Capped 25-Atom Alloy Nanoclusters. Chemistry of Materials, 2020, 32, 9238-9244.	6.7	22
23	Interplay between Intrinsic Thermal Stability and Expansion Properties of Functionalized UiO-67 Metalâ€“Organic Frameworks. Chemistry of Materials, 2021, 33, 910-920.	6.7	17
24	Au_{130â^'x}Ag_x Nanoclusters with Nonâ€Metallicity: A Drum of Silverâ€Rich Sites Enclosed in a Marksâ€Decahedral Cage of Goldâ€Rich Sites. Angewandte Chemie, 2019, 131, 18974-18978.	2.0	15
25	Two-dimensional Zr/Hf-hydroxamate metalâ€“organic frameworks. Chemical Communications, 2022, 58, 3601-3604.	4.1	12
26	Heteroatom Tracing Reveals the 30-Atom Auâ€“Ag Bimetallic Nanocluster as a Dimeric Structure. Journal of Physical Chemistry Letters, 2020, 11, 7307-7312.	4.6	9
27	Tuning the Lewis acidity of metalâ€“organic frameworks for enhanced catalysis. Dalton Transactions, 2021, 50, 3116-3120.	3.3	9
28	The effect of physical adsorption on the capacitance of activated carbon electrodes. Carbon, 2019, 150, 334-339.	10.3	8
29	One Approach for Two: Toward the Creation of Near-Infrared Imaging Agents and Rapid Screening of Lanthanide(III) Ion Sensitizers Using Polystyrene Nanobeads. ACS Applied Bio Materials, 2019, 2, 1667-1675.	4.6	8
30	Identifying UiOâ€67 Metalâ€Organic Framework Defects and Binding Sites through Ammonia Adsorption. ChemSusChem, 2022, 15, .	6.8	6