Dong Luo

List of Publications by Year
in descending order

43 papers	1,337 citations	361413 20 h-index	361022 35 g-index
47 all docs	47 docs citations	47 times ranked	1407 citing authors

#	Article	IF	Citations
1	Cage-Interconnected Metalâ€“Organic Framework with Tailored Apertures for Efficient C₂H₆/C₂H₄ Separation under Humid Conditions. Journal of the American Chemical Society, 2019, 141, 20390-20396.	13.7	212
2	Beyond Molecules: Mesoporous Supramolecular Frameworks Selfâ€Assembled from Coordination Cages and Inorganic Anions. Angewandte Chemie - International Edition, 2015, 54, 6190-6195.	13.8	94
3	Self-Assembly of Chiral Metalâ€“Organic Tetartoid. Journal of the American Chemical Society, 2018, 140, 118-121.	13.7	93
4	A size-matched POM@MOF composite catalyst for highly efficient and recyclable ultra-deep oxidative fuel desulfurization. Inorganic Chemistry Frontiers, 2018, 5, 1563-1569.	6.0	88
5	Building a Pyrazoleâ€“Benzothiadiazoleâ€“Pyrazole Photosensitizer into Metalâ€“Organic Frameworks for Photocatalytic Aerobic Oxidation. Journal of the American Chemical Society, 2021, 143, 21340-21349.	13.7	84
6	Fine-Tuning Apertures of Metalâ€“Organic Cages: Encapsulation of Carbon Dioxide in Solution and Solid State. Journal of the American Chemical Society, 2019, 141, 11621-11627.	13.7	70
7	Supported CuO catalysts on metal-organic framework (Cu-UiO-66) for efficient catalytic wet peroxide oxidation of 4-chlorophenol in wastewater. Microporous and Mesoporous Materials, 2020, 291, 109703.	4.4	46
8	A Highly Stable Nonhysteretic {Cu₂(tebpz) MOF+water} Molecular Spring. ChemPhysChem, 2016, 17, 3359-3364.	2.1	42
9	Exclusive Recognition of Acetone in a Luminescent BioMOF through Multiple Hydrogen-Bonding Interactions. Inorganic Chemistry, 2019, 58, 7667-7671.	4.0	39
10	Imidazole-based metal-organic cages: Synthesis, structures, and functions. Coordination Chemistry Reviews, 2022, 455, 214354.	18.8	39
11	Ultrasensitive and highly selective detection of formaldehyde <i>via</i> an adenine-based biological metalâ€“organic framework. Materials Chemistry Frontiers, 2021, 5, 2416-2424.	5.9	34
12	A pH-regulated ratiometric luminescence Eu-MOF for rapid detection of toxic mycotoxin in moldy sugarcane. Journal of Materials Chemistry C, 2020, 8, 4385-4391.	5.5	32
13	Superoxide Ion and Singlet Oxygen Photogenerated by Metalloporphyrin-Based Metalâ€“Organic Frameworks for Highly Efficient and Selective Photooxidation of a Sulfur Mustard Simulant. ACS Applied Materials & Interfaces, 2021, 13, 37102-37110.	8.0	29
14	A microporous shp-topology metalâ€“organic framework with an unprecedented high-nuclearity Co₁₀-cluster for iodine capture and histidine detection. Materials Chemistry Frontiers, 2021, 5, 4300-4309.	5.9	27
15	Mixed-Linker Isoreticular Zn(II) Metalâ€“Organic Frameworks as BrÃ¸nsted Acidâ€“Base Bifunctional Catalysts for Knoevenagel Condensation Reactions. Inorganic Chemistry, 2022, 61, 8339-8348.	4.0	27
16	Cr₂O₇^{2âˆ’} inside Zr/Hf-based metalâ€“organic frameworks: highly sensitive and selective detection and crystallographic evidence. Journal of Materials Chemistry C, 2020, 8, 16974-16983.	5.5	26
17	Effect of Flexibility and Nanotriboelectrification on the Dynamic Reversibility of Water Intrusion into Nanopores: Pressure-Transmitting Fluid with Frequency-Dependent Dissipation Capability. ACS Applied Materials & Interfaces, 2019, 11, 40842-40849.	8.0	25
18	Local Deprotonation Enables Cation Exchange, Porosity Modulation, and Tunable Adsorption Selectivity in a Metalâ€“Organic Framework. Crystal Growth and Design, 2017, 17, 3387-3394.	3.0	23

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19	Fine-tuning metalâ€“organic framework performances by spatially-differentiated postsynthetic modification. Journal of Materials Chemistry A, 2018, 6, 4260-4265.	10.3	22
20	Tuning the C2/C1 Hydrocarbon Separation Performance in a BioMOF by Surface Functionalization. European Journal of Inorganic Chemistry, 2019, 2019, 4205-4210.	2.0	21
21	Mimicking DNA Periodic Docking Grooves for Adaptive Identification of <scp>l</scp>-/<scp>d</scp>-Tryptophan in a Biological Metalâ€“Organic Framework. Journal of the American Chemical Society, 2022, 144, 9559-9563.	13.7	19
22	Reversible Multiphase Transition in a BioMOF and Its Distinctive Luminescence Turn-On in Alcohol Vapor. ACS Applied Materials & Interfaces, 2019, 11, 38503-38509.	8.0	18
23	Unexpected structural transformation into noria-like Ag13 metal clusters and a copper-doping induced boost in photoluminescence. Chemical Communications, 2020, 56, 4789-4792.	4.1	17
24	Solvothermal Subcomponent Self-Assembly of Cubic Metalâ€“Imidazolate Cages and Their Coordination Polymers. Inorganic Chemistry, 2015, 54, 10822-10828.	4.0	16
25	Rational molecular design of bipolar phenanthroimidazole derivatives to realize highly efficient non-doped deep blue electroluminescence with CIEy Ë, 0.06 and EQE approaching 6%. Dyes and Pigments, 2020, 173, 107982.	3.7	16
26	Aggregation-induced phosphorescence sensitization in two heptanuclear and decanuclear goldâ€“silver sandwich clusters. Chemical Science, 2021, 12, 702-708.	7.4	16
27	Chiral 3D Coordination Polymers Consisting of Achiral Terpyridyl Precursors: from Spontaneous Resolution to Enantioenriched Induction. Chemistry - A European Journal, 2020, 26, 1936-1940.	3.3	15
28	Boosting Luminescence of Planarâ€Fluorophoreâ€Tagged Metalâ€“Organic Cages Via Weak Supramolecular Interactions. Chemistry - A European Journal, 2018, 24, 7108-7113.	3.3	13
29	Improving Ethane/Ethylene Separation Performance under Humid Conditions by Spatially Modified Zeolitic Imidazolate Frameworks. ACS Applied Materials & Interfaces, 2022, 14, 11547-11558.	8.0	13
30	Self-assembly of a photoluminescent metal-organic cage and its spontaneous aggregation in dilute solutions enabling time-dependent emission enhancement. Science China Chemistry, 2022, 65, 1105-1111.	8.2	13
31	Control over the synthesis of homovalent and mixed-valence cubic cobalt-imidazolate cages. Chemical Communications, 2019, 55, 5103-5106.	4.1	10
32	Coordination-driven self-assembly of M₁₀L₈ metalâ€“organic bi-capped square antiprisms with adaptable cavities. Dalton Transactions, 2019, 48, 17713-17717.	3.3	10
33	Compact Thermal Actuation by Water and Flexible Hydrophobic Nanopore. ACS Nano, 2021, 15, 9048-9056.	14.6	10
34	Enabling photocatalytic activity of [Ru(2,2â€²:6â€²,2â€²â€²-terpyridine)₂]²⁺ integrated into a metalâ€“organic framework. Materials Chemistry Frontiers, 2021, 5, 2777-2782.	5.9	9
35	Inflation Negative Compressibility during Intrusionâ€“Extrusion of a Non-Wetting Liquid into a Flexible Nanoporous Framework. Journal of Physical Chemistry Letters, 2021, 12, 4951-4957.	4.6	9
36	Designing bioresponsive metal azolate framework-based nanosystem for efficient cancer therapy. Chemical Engineering Journal, 2019, 371, 301-305.	12.7	8

#	Article	IF	Citations
37	Selfâ€Assembly of Copper Polypyridyl Supramolecular Metallopolymers to Achieve Enhanced Anticancer Efficacy. ChemistryOpen, 2019, 8, 434-437.	1.9	7
38	Biomimetic mimicry of formaldehyde-induced DNAâ€"protein crosslinks in the confined space of a metalâ€"organic framework. Chemical Science, 2022, 13, 4813-4820.	7.4	7
39	Metalâ€"organic frameworks with the gyroid surface: structures and applications. Dalton Transactions, 2021, 50, 4757-4764.	3.3	6
40	A chiral Salen-based Zn(II)-Cd(II) heterometallic metal-organic framework: synthesis, crystal structure, and optical properties. Journal of Coordination Chemistry, 2022, 75, 1670-1678.	2.2	5
41	A Chiral 3â€‰D Net with 2â€‰D Cairo Pentagonal Tiling Projection in Siteâ€Modified CuCN/CuSCN Networks. ChemPlusChem, 2016, 81, 724-727.	2.8	4
42	Formaldehyde recognition through aminal formation in a luminescent metalâ€"organic framework. Chemical Communications, 2022, 58, 6490-6493.	4.1	3
43	An Adenineâ€Based Biological Metalâ€Organic Framework as an Efficient Luminescent Sensor for Tetracycline Detection. European Journal of Inorganic Chemistry, 2022, 2022, .	2.0	3