

# Dong Luo

## List of Publications by Year in descending order

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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	Imidazole-based metal-organic cages: Synthesis, structures, and functions. <i>Coordination Chemistry Reviews</i> , 2022, 455, 214354.	18.8	39
2	Biomimetic mimicry of formaldehyde-induced DNA-protein crosslinks in the confined space of a metal-organic framework. <i>Chemical Science</i> , 2022, 13, 4813-4820.	7.4	7
3	Improving Ethane/Ethylene Separation Performance under Humid Conditions by Spatially Modified Zeolitic Imidazolate Frameworks. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 11547-11558.	8.0	13
4	A chiral Salen-based Zn(II)-Cd(II) heterometallic metal-organic framework: synthesis, crystal structure, and optical properties. <i>Journal of Coordination Chemistry</i> , 2022, 75, 1670-1678.	2.2	5
5	Formaldehyde recognition through amination formation in a luminescent metal-organic framework. <i>Chemical Communications</i> , 2022, 58, 6490-6493.	4.1	3
6	Self-assembly of a photoluminescent metal-organic cage and its spontaneous aggregation in dilute solutions enabling time-dependent emission enhancement. <i>Science China Chemistry</i> , 2022, 65, 1105-1111.	8.2	13
7	Mixed-Linker Isorecticular Zn(II) Metal-Organic Frameworks as Brønsted Acid-Base Bifunctional Catalysts for Knoevenagel Condensation Reactions. <i>Inorganic Chemistry</i> , 2022, 61, 8339-8348.	4.0	27
8	Mimicking DNA Periodic Docking Grooves for Adaptive Identification of L-tryptophan in a Biological Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , 2022, 144, 9559-9563.	13.7	19
9	An Adenine-Based Biological Metal-Organic Framework as an Efficient Luminescent Sensor for Tetracycline Detection. <i>European Journal of Inorganic Chemistry</i> , 2022, 2022, .	2.0	3
10	Aggregation-induced phosphorescence sensitization in two heptanuclear and decanuclear gold-silver sandwich clusters. <i>Chemical Science</i> , 2021, 12, 702-708.	7.4	16
11	Metal-organic frameworks with the gyroid surface: structures and applications. <i>Dalton Transactions</i> , 2021, 50, 4757-4764.	3.3	6
12	Enabling photocatalytic activity of [Ru(2,2',6,6'-terpyridine) <sub>2</sub> ] <sup>2+</sup> integrated into a metal-organic framework. <i>Materials Chemistry Frontiers</i> , 2021, 5, 2777-2782.	5.9	9
13	Ultrasensitive and highly selective detection of formaldehyde via an adenine-based biological metal-organic framework. <i>Materials Chemistry Frontiers</i> , 2021, 5, 2416-2424.	5.9	34
14	Compact Thermal Actuation by Water and Flexible Hydrophobic Nanopore. <i>ACS Nano</i> , 2021, 15, 9048-9056.	14.6	10
15	Inflation Negative Compressibility during Intrusion-Extrusion of a Non-Wetting Liquid into a Flexible Nanoporous Framework. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 4951-4957.	4.6	9
16	Superoxide Ion and Singlet Oxygen Photogenerated by Metalloporphyrin-Based Metal-Organic Frameworks for Highly Efficient and Selective Photooxidation of a Sulfur Mustard Simulant. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 37102-37110.	8.0	29
17	A microporous <i>shp</i> -topology metal-organic framework with an unprecedented high-nuclearity Co <sub>10</sub> -cluster for iodine capture and histidine detection. <i>Materials Chemistry Frontiers</i> , 2021, 5, 4300-4309.	5.9	27
18	Building a Pyrazole-Benzothiadiazole-Pyrazole Photosensitizer into Metal-Organic Frameworks for Photocatalytic Aerobic Oxidation. <i>Journal of the American Chemical Society</i> , 2021, 143, 21340-21349.	13.7	84

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19	Supported CuO catalysts on metal-organic framework (Cu-Uio-66) for efficient catalytic wet peroxide oxidation of 4-chlorophenol in wastewater. <i>Microporous and Mesoporous Materials</i> , 2020, 291, 109703.	4.4	46
20	Rational molecular design of bipolar phenanthroimidazole derivatives to realize highly efficient non-doped deep blue electroluminescence with CIEy $\bar{E}$ , 0.06 and EQE approaching 6%. <i>Dyes and Pigments</i> , 2020, 173, 107982.	3.7	16
21	Chiral 3D Coordination Polymers Consisting of Achiral Terpyridyl Precursors: from Spontaneous Resolution to Enantioenriched Induction. <i>Chemistry - A European Journal</i> , 2020, 26, 1936-1940.	3.3	15
22	Cr <sub>2</sub> O <sub>7</sub> <sup>2-</sup> inside Zr/Hf-based metal-organic frameworks: highly sensitive and selective detection and crystallographic evidence. <i>Journal of Materials Chemistry C</i> , 2020, 8, 16974-16983.	5.5	26
23	Unexpected structural transformation into noria-like Ag <sub>13</sub> metal clusters and a copper-doping induced boost in photoluminescence. <i>Chemical Communications</i> , 2020, 56, 4789-4792.	4.1	17
24	A pH-regulated ratiometric luminescence Eu-MOF for rapid detection of toxic mycotoxin in moldy sugarcane. <i>Journal of Materials Chemistry C</i> , 2020, 8, 4385-4391.	5.5	32
25	Tuning the C2/C1 Hydrocarbon Separation Performance in a BioMOF by Surface Functionalization. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 4205-4210.	2.0	21
26	Reversible Multiphase Transition in a BioMOF and Its Distinctive Luminescence Turn-On in Alcohol Vapor. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 38503-38509.	8.0	18
27	Effect of Flexibility and Nanotriboelectrification on the Dynamic Reversibility of Water Intrusion into Nanopores: Pressure-Transmitting Fluid with Frequency-Dependent Dissipation Capability. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 40842-40849.	8.0	25
28	Fine-Tuning Apertures of Metal-Organic Cages: Encapsulation of Carbon Dioxide in Solution and Solid State. <i>Journal of the American Chemical Society</i> , 2019, 141, 11621-11627.	13.7	70
29	Exclusive Recognition of Acetone in a Luminescent BioMOF through Multiple Hydrogen-Bonding Interactions. <i>Inorganic Chemistry</i> , 2019, 58, 7667-7671.	4.0	39
30	Self-Assembly of Copper Polypyridyl Supramolecular Metallopolymers to Achieve Enhanced Anticancer Efficacy. <i>ChemistryOpen</i> , 2019, 8, 434-437.	1.9	7
31	Designing bioresponsive metal azolate framework-based nanosystem for efficient cancer therapy. <i>Chemical Engineering Journal</i> , 2019, 371, 301-305.	12.7	8
32	Control over the synthesis of homovalent and mixed-valence cubic cobalt-imidazolate cages. <i>Chemical Communications</i> , 2019, 55, 5103-5106.	4.1	10
33	Coordination-driven self-assembly of M <sub>10</sub> L <sub>8</sub> metal-organic bi-capped square antiprisms with adaptable cavities. <i>Dalton Transactions</i> , 2019, 48, 17713-17717.	3.3	10
34	Cage-Interconnected Metal-Organic Framework with Tailored Apertures for Efficient C <sub>2</sub> H <sub>6</sub> /C <sub>2</sub> H <sub>4</sub> Separation under Humid Conditions. <i>Journal of the American Chemical Society</i> , 2019, 141, 20390-20396.	13.7	212
35	Boosting Luminescence of Planar-Fluorophore-Tagged Metal-Organic Cages Via Weak Supramolecular Interactions. <i>Chemistry - A European Journal</i> , 2018, 24, 7108-7113.	3.3	13
36	A size-matched POM@MOF composite catalyst for highly efficient and recyclable ultra-deep oxidative fuel desulfurization. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 1563-1569.	6.0	88

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37	Fine-tuning metal-organic framework performances by spatially-differentiated postsynthetic modification. <i>Journal of Materials Chemistry A</i> , 2018, 6, 4260-4265.	10.3	22
38	Self-Assembly of Chiral Metal-Organic Tetartoid. <i>Journal of the American Chemical Society</i> , 2018, 140, 118-121.	13.7	93
39	Local Deprotonation Enables Cation Exchange, Porosity Modulation, and Tunable Adsorption Selectivity in a Metal-Organic Framework. <i>Crystal Growth and Design</i> , 2017, 17, 3387-3394.	3.0	23
40	A Highly Stable Nonhysteretic {Cu <sub>2</sub> (tebpz) MOF+water} Molecular Spring. <i>ChemPhysChem</i> , 2016, 17, 3359-3364.	2.1	42
41	A Chiral 3D Net with 2D Cairo Pentagonal Tiling Projection in Site-Modified CuCN/CuSCN Networks. <i>ChemPlusChem</i> , 2016, 81, 724-727.	2.8	4
42	Beyond Molecules: Mesoporous Supramolecular Frameworks Self-Assembled from Coordination Cages and Inorganic Anions. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 6190-6195.	13.8	94
43	Solvothermal Subcomponent Self-Assembly of Cubic Metal-Imidazolate Cages and Their Coordination Polymers. <i>Inorganic Chemistry</i> , 2015, 54, 10822-10828.	4.0	16