

Fangna Dai

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

66

papers

2,366

citations

25

h-index

48

g-index

72

ext. papers

2,976

ext. citations

7.5

avg, IF

5.14

L-index

#	Paper	IF	Citations
66	A metal-organic nanotube exhibiting reversible adsorption of (H ₂ O) ₁₂ cluster. <i>Journal of the American Chemical Society</i> , 2008 , 130, 14064-5	16.4	192
65	Controlled Hydrolysis of Metal-Organic Frameworks: Hierarchical Ni/Co-Layered Double Hydroxide Microspheres for High-Performance Supercapacitors. <i>ACS Nano</i> , 2019 , 13, 7024-7030	16.7	190
64	A multifunctional Eu MOF as a fluorescent pH sensor and exhibiting highly solvent-dependent adsorption and degradation of rhodamine B. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 24016-24021	13	138
63	Optimizing Multivariate Metal-Organic Frameworks for Efficient CH ₄ /CO Separation. <i>Journal of the American Chemical Society</i> , 2020 , 142, 8728-8737	16.4	129
62	Porous zirconium metal-organic framework constructed from 2D -3D interpenetration based on a 3,6-connected kgd net. <i>Inorganic Chemistry</i> , 2014 , 53, 7086-8	5.1	103
61	Amino-functionalized MOFs with high physicochemical stability for efficient gas storage/separation, dye adsorption and catalytic performance. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 24486-24495	13	100
60	Topology Exploration in Highly Connected Rare-Earth Metal-Organic Frameworks via Continuous Hindrance Control. <i>Journal of the American Chemical Society</i> , 2019 , 141, 6967-6975	16.4	96
59	Dimerization of a metal complex through thermally induced single-crystal-to-single-crystal transformation or mechanochemical reaction. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 7061-4	16.4	87
58	Self-assembly of metal-organic supramolecules: from a metallamacrocycle and a metal-organic coordination cage to 1D or 2D coordination polymers based on flexible dicarboxylate ligands. <i>Inorganic Chemistry</i> , 2010 , 49, 4117-24	5.1	81
57	Metal-Organic Frameworks: Uncovering Structural Opportunities for Zirconium Metal-Organic Frameworks via Linker Desymmetrization (Adv. Sci. 23/2019). <i>Advanced Science</i> , 2019 , 6, 1970141	13.6	78
56	Unprecedented Solvent-Dependent Sensitivities in Highly Efficient Detection of Metal Ions and Nitroaromatic Compounds by a Fluorescent Barium Metal-Organic Framework. <i>Inorganic Chemistry</i> , 2016 , 55, 1782-7	5.1	76
55	Regulating C ₂ H ₂ and CO ₂ Storage and Separation through Pore Environment Modification in a Microporous Ni-MOF. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 2134-2140	8.3	69
54	Fine-Tuning the Pore Environment of the Microporous Cu-MOF for High Propylene Storage and Efficient Separation of Light Hydrocarbons. <i>ACS Central Science</i> , 2019 , 5, 1261-1268	16.8	65
53	A lead-porphyrin metal-organic framework: gas adsorption properties and electrocatalytic activity for water oxidation. <i>Dalton Transactions</i> , 2016 , 45, 61-5	4.3	65
52	A MOF-derived coral-like NiSe@NC nanohybrid: an efficient electrocatalyst for the hydrogen evolution reaction at all pH values. <i>Nanoscale</i> , 2018 , 10, 22758-22765	7.7	65
51	Selective selenization of mixed-linker Ni-MOFs: NiSe ₂ @NC core-shell nano-octahedrons with tunable interfacial electronic structure for hydrogen evolution reaction. <i>Applied Catalysis B: Environmental</i> , 2020 , 272, 118976	21.8	60
50	Polymorphism in high-crystalline-stability metal-organic nanotubes. <i>Inorganic Chemistry</i> , 2009 , 48, 4613-5	5.1	53

49	An Amino-Functionalized Metal-Organic Framework, Based on a Rare Ba (COO) (NO) Cluster, for Efficient C /C /C Separation and Preferential Catalytic Performance. <i>Chemistry - A European Journal</i> , 2018 , 24, 2137-2143	4.8	49
48	Construction of copper metalorganic systems based on paddlewheel SBU through altering the substituent positions of new flexible carboxylate ligands. <i>CrystEngComm</i> , 2009 , 11, 2516	3.3	39
47	Three 3D LanthanideOrganic Frameworks Based on Novel Flexible Multicarboxylates: From ssa to rtl Topologies. <i>Crystal Growth and Design</i> , 2011 , 11, 5670-5675	3.5	37
46	1D zigzag chain vs. 1D helical chain: the role of the supramolecular interactions on the formation of chiral architecture. <i>CrystEngComm</i> , 2010 , 12, 337-340	3.3	35
45	Expanded Porous Metal-Organic Frameworks by SCSC: Organic Building Units Modifying and Enhanced Gas-Adsorption Properties. <i>Inorganic Chemistry</i> , 2016 , 55, 6420-5	5.1	31
44	Molecular Pivot-Hinge Installation to Evolve Topology in Rare-Earth Metal-Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 16682-16690	16.4	29
43	Two-dimensional cobalt metal-organic frameworks for efficient C ₃ H ₆ /CH ₄ and C ₃ H ₈ /CH ₄ hydrocarbon separation. <i>Chinese Chemical Letters</i> , 2018 , 29, 865-868	8.1	27
42	Effect of Functional Groups on the Adsorption of Light Hydrocarbons in fmj-type MetalOrganic Frameworks. <i>Crystal Growth and Design</i> , 2019 , 19, 832-838	3.5	25
41	A non-interpenetrating lead-organic framework with large channels based on 1D tube-shaped SBUs. <i>Chemical Communications</i> , 2017 , 53, 5694-5697	5.8	24
40	Atomically thin defect-rich Ni-Se-S hybrid nanosheets as hydrogen evolution reaction electrocatalysts. <i>Nano Research</i> , 2020 , 13, 2056-2062	10	24
39	One-step Ethylene Purification from an Acetylene/Ethylene/Ethane Ternary Mixture by Cyclopentadiene Cobalt-Functionalized Metal-Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 11350-11358	16.4	24
38	Solvent-induced terbium metal-organic frameworks for highly selective detection of manganese(ii) ions. <i>Dalton Transactions</i> , 2019 , 48, 2569-2573	4.3	23
37	Three novel 3D metalorganic frameworks with a 1D ladder, tube or chain as assembly units. <i>CrystEngComm</i> , 2008 , 10, 1429	3.3	23
36	Accurately Regulating the Electronic Structure of Ni Se @NC Core-Shell Nanohybrids through Controllable Selenization of a Ni-MOF for pH-Universal Hydrogen Evolution Reaction. <i>Small</i> , 2020 , 16, e2004231	11	23
35	Tuning the Dimensionality of Interpenetration in a Pair of Framework-Catenation Isomers To Achieve Selective Adsorption of CO ₂ and Fluorescent Sensing of Metal Ions. <i>Inorganic Chemistry</i> , 2015 , 54, 6084-6	5.1	21
34	Amino-functionalized Cu-MOF for efficient purification of methane from light hydrocarbons and excellent catalytic performance. <i>Inorganic Chemistry Frontiers</i> , 2019 , 6, 1152-1157	6.8	19
33	Solvent-induced framework-interpenetration isomers of Cu MOFs for efficient light hydrocarbon separation. <i>Inorganic Chemistry Frontiers</i> , 2018 , 5, 2408-2412	6.8	19
32	A sulfonated cobalt phthalocyanine/carbon nanotube hybrid as a bifunctional oxygen electrocatalyst. <i>Dalton Transactions</i> , 2019 , 48, 17258-17265	4.3	17

31	Reaction vessel- and concentration-induced supramolecular isomerism in layered lanthanide-organic frameworks. <i>CrystEngComm</i> , 2011 , 13, 6968	3.3	16
30	Accurate tuning of rare earth metal-organic frameworks with unprecedented topology for white-light emission. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 1374-1379	7.1	16
29	Defect-Rich Porous CoS _{1.097} /MoS ₂ Hybrid Microspheres as Electrocatalysts for pH-Universal Hydrogen Evolution. <i>ACS Applied Energy Materials</i> , 2019 , 2, 7504-7511	6.1	15
28	The effect of the conformation of flexible carboxylate ligands on the structures of metal-organic supramolecules. <i>New Journal of Chemistry</i> , 2010 , 34, 2496	3.6	15
27	A Stable Interpenetrated Zn-MOF with Efficient Light Hydrocarbon Adsorption/Separation Performance. <i>Crystal Growth and Design</i> , 2020 , 20, 5670-5675	3.5	15
26	Substoichiometric 3D Covalent Organic Frameworks Based on Hexagonal Linkers. <i>Journal of the American Chemical Society</i> , 2021 , 143, 10243-10249	16.4	15
25	Two alkynyl functionalized Co(II)-MOFs as fluorescent sensors exhibiting selectivity and sensitivity for Fe ³⁺ and nitroaromatic compounds. <i>Chinese Chemical Letters</i> , 2019 , 30, 1440-1444	8.1	14
24	Dimerization of a Metal Complex through Thermally Induced Single-Crystal-to-Single-Crystal Transformation or Mechanochemical Reaction. <i>Angewandte Chemie</i> , 2011 , 123, 7199-7202	3.6	14
23	A new Cu(I) coordination polymer with the CdSO ₄ structure type prepared via biphasic solvothermal reaction. <i>CrystEngComm</i> , 2010 , 12, 2018	3.3	12
22	Two series of Ln-MOFs by solvent induced self-assembly demonstrating the rapid selective sensing of Mg and Fe cations. <i>Dalton Transactions</i> , 2020 , 49, 15473-15480	4.3	12
21	Self-assembly of a novel metal-organic coordination cage (MOCC) based on a new flexible dicarboxylate ligand: synthesis, crystal structure and magnetic property. <i>CrystEngComm</i> , 2009 , 11, 47-49	3.3	11
20	Conformation variation of tris(2-carboxyethyl)isocyanuric acid induced by cocrystallized N-heterocyclic organic molecules. <i>CrystEngComm</i> , 2012 , 14, 1376-1381	3.3	10
19	Micelles of Mesoporous Silica with Inserted Iron Complexes as a Platform for Constructing Efficient Electrocatalysts for Oxygen Reduction. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 54720-54731	9.5	9
18	Ligand controlled structure of cadmium(II) metal-organic frameworks for fluorescence sensing of Fe ³⁺ ion and nitroaromatic compounds. <i>Chinese Chemical Letters</i> , 2019 , 30, 801-805	8.1	9
17	Sequential Solid-State Transformations Involving Consecutive Rearrangements of Secondary Building Units in a Metal-Organic Framework. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 22372	16.4	8
16	Comparison of two water oxidation electrocatalysts by copper or zinc supermolecule complexes based on porphyrin ligand. <i>RSC Advances</i> , 2018 , 8, 40054-40059	3.7	6
15	Synthesis and Visualization of Entangled 3D Covalent Organic Frameworks with High-Valency Stereoscopic Molecular Nodes for Gas Separation. <i>Angewandte Chemie - International Edition</i> ,	16.4	6
14	Ethylenediamine-Catalyzed Preparation of Nitrogen-Doped Hierarchically Porous Carbon Aerogel under Hypersaline Condition for High-Performance Supercapacitors and Organic Solvent Absorbents. <i>Nanomaterials</i> , 2019 , 9,	5.4	4

13	A phthalocyanine sensor array based on sensitivity and current changes for highly sensitive identification of three toxic gases at ppb levels. <i>New Journal of Chemistry</i> , 2020 , 44, 13240-13248	3.6	4
12	A 3D Ba-MOF for selective adsorption of CO ₂ /CH ₄ and CO ₂ /N ₂ . <i>Chinese Chemical Letters</i> , 2021 , 32, 11698-11724	3.6	4
11	Molecular Pivot-Hinge Installation to Evolve Topology in Rare-Earth Metal-Organic Frameworks. <i>Angewandte Chemie</i> , 2019 , 131, 16835-16843	3.6	3
10	Recent advances in metal-organic frameworks for gas adsorption/separation. <i>Nanoscale Advances</i> , 2021 , 3, 1169-1172	5.1	3
9	Hierarchical Self-Assembly of Tetrakis(1-pyrenyl)porphyrins into Microscopic Petals and Flowers with Ultrasensitive Room-Temperature NO ₂ Sensing in a Broad Humidity Range. <i>ChemNanoMat</i> , 2019 , 5, 1408-1417	3.5	2
8	One-step Ethylene Purification from an Acetylene/Ethylene/Ethane Ternary Mixture by Cyclopentadiene Cobalt-Functionalized Metal-Organic Frameworks. <i>Angewandte Chemie</i> , 2021 , 133, 11451-11459	3.6	2
7	Interfacial Mo-N-C Bond Endowed Hydrogen Evolution Reaction on MoSe@N-Doped Carbon Hollow Nanoflowers. <i>Inorganic Chemistry</i> , 2021 , 60, 12377-12385	5.1	2
6	From layered structure to 8-fold interpenetrated MOF with enhanced selective adsorption of C ₂ H ₂ /CH ₄ and CO ₂ /CH ₄ . <i>Journal of Solid State Chemistry</i> , 2022 , 307, 122881	3.3	1
5	Ultrahigh Hydrogen Uptake in an Interpenetrated Zn 4 O-Based Metal-Organic Framework. <i>CCS Chemistry</i> , 1005-1011	7.2	1
4	Sequential Solid-State Transformations Involving Consecutive Rearrangements of Secondary Building Units in a Metal-Organic Framework (MOF). <i>Angewandte Chemie</i> , 2020 , 132, 22558-22563	3.6	0
3	2D coordination polymer-derived CoSe-NiSe/CN nanosheets: the dual-phase synergistic effect and ultrathin structure to enhance the hydrogen evolution reaction. <i>Dalton Transactions</i> , 2021 , 50, 9934-9944	4.3	0
2	Cd-MOF: specific adsorption selectivity for linear alkyne (propyne, 2-butyne and phenylacetylene) molecules. <i>Chemical Communications</i> , 2021 , 57, 13325-13328	5.8	0
1	Reaktitelbild: One-step Ethylene Purification from an Acetylene/Ethylene/Ethane Ternary Mixture by Cyclopentadiene Cobalt-Functionalized Metal-Organic Frameworks (Angew. Chem. 20/2021). <i>Angewandte Chemie</i> , 2021 , 133, 11636-11636	3.6	0