

# Tao He

## List of Publications by Year in descending order

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37  
papers

2,059  
citations

257357

24  
h-index

395590

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g-index

38  
all docs

38  
docs citations

38  
times ranked

1818  
citing authors

#	ARTICLE	IF	CITATIONS
1	Metal-Organic Frameworks for the Capture of Trace Aromatic Volatile Organic Compounds. <i>CheM</i> , 2018, 4, 1911-1927.	5.8	232
2	Zr(IV)-Based Metal-Organic Framework with T-Shaped Ligand: Unique Structure, High Stability, Selective Detection, and Rapid Adsorption of Cr <sub>2</sub> O <sub>7</sub> <sup>2-</sup> in Water. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 16650-16659.	4.0	219
3	Ligand Rigidification for Enhancing the Stability of Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2019, 141, 10283-10293.	6.6	172
4	Chemically Stable Metal-Organic Frameworks: Rational Construction and Application Expansion. <i>Accounts of Chemical Research</i> , 2021, 54, 3083-3094.	7.6	167
5	Trace removal of benzene vapour using double-walled metal-dipyrazolate frameworks. <i>Nature Materials</i> , 2022, 21, 689-695.	13.3	109
6	Kinetically Controlled Reticular Assembly of a Chemically Stable Mesoporous Ni(II)-Pyrazolate Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , 2020, 142, 13491-13499.	6.6	97
7	Two isomeric In(III)-MOFs: unexpected stability difference and selective fluorescence detection of fluoroquinolone antibiotics in water. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 1161-1171.	3.0	89
8	Guest-dependent pressure induced gate-opening effect enables effective separation of propene and propane in a flexible MOF. <i>Chemical Engineering Journal</i> , 2018, 346, 489-496.	6.6	87
9	In Situ Porphyrin Substitution in a Zr(IV)-MOF for Stability Enhancement and Photocatalytic CO <sub>2</sub> Reduction. <i>Small</i> , 2021, 17, e2005357.	5.2	84
10	Three-Component Cascade Annulation of Î <sup>2</sup> -Ketothioamides Promoted by CF <sub>3</sub> CH <sub>2</sub> OH: A Regioselective Synthesis of Tetrasubstituted Thiophenes. <i>Journal of Organic Chemistry</i> , 2013, 78, 10617-10628.	1.7	70
11	A Stable Zr(IV)-Based Metal-Organic Framework Constructed from C-C Bridged Di-isophthalate Ligand for Sensitive Detection of Cr <sub>2</sub> O <sub>7</sub> <sup>2-</sup> in Water. <i>Inorganic Chemistry</i> , 2018, 57, 14260-14268.	1.9	62
12	Linker Desymmetrization: Access to a Series of Rare-Earth Tetracarboxylate Frameworks with Eight-Connected Hexanuclear Nodes. <i>Journal of the American Chemical Society</i> , 2021, 143, 2784-2791.	6.6	61
13	A Practice of Reticular Chemistry: Construction of a Robust Mesoporous Palladium Metal-Organic Framework via Metal Metathesis. <i>Journal of the American Chemical Society</i> , 2021, 143, 9901-9911.	6.6	60
14	Tuning Water Sorption in Highly Stable Zr(IV)-Metal-Organic Frameworks through Local Functionalization of Metal Clusters. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 27868-27874.	4.0	54
15	Constructing new metal-organic frameworks with complicated ligands from "One-Pot" in situ reactions. <i>Chemical Science</i> , 2019, 10, 3949-3955.	3.7	46
16	Switching Regioselectivity of Î <sup>2</sup> -Ketothioamides by Means of Iodine Catalysis: Synthesis of Thiazolidenes and 1,4-Dithiines. <i>Chemistry - A European Journal</i> , 2014, 20, 5028-5033.	1.7	43
17	Functionalized Base-Stable Metal-Organic Frameworks for Selective CO <sub>2</sub> Adsorption and Proton Conduction. <i>ChemPhysChem</i> , 2017, 18, 3245-3252.	1.0	43
18	A Series of Mesoporous Rare-Earth Metal-Organic Frameworks Constructed from Organic Secondary Building Units. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 2053-2057.	7.2	43

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19	Understanding how pore surface fluorination influences light hydrocarbon separation in metal-organic frameworks. <i>Chemical Engineering Journal</i> , 2021, 407, 127183.	6.6	39
20	Selective adsorption and separation of C <sub>2</sub> hydrocarbons in a "flexible-robust" metal-organic framework based on a guest-dependent gate-opening effect. <i>Chemical Communications</i> , 2020, 56, 5520-5523.	2.2	35
21	A Green-Emission Metal-Organic Framework-Based Nanoprobe for Imaging Dual Tumor Biomarkers in Living Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 35375-35384.	4.0	32
22	Two interpenetrated metal-organic frameworks with a slim ethynyl-based ligand: designed for selective gas adsorption and structural tuning. <i>CrystEngComm</i> , 2018, 20, 6018-6025.	1.3	29
23	A stable Co(II)-based metal-organic framework with dual-functional pyrazolate-carboxylate ligand: Construction and CO <sub>2</sub> selective adsorption and fixation. <i>Chinese Chemical Letters</i> , 2021, 32, 918-922.	4.8	27
24	Single-Crystal Synthesis and Structures of Highly Stable Ni <sub>8</sub> -Pyrazolate-Based Metal-Organic Frameworks. , 2019, 1, 20-24.		26
25	Integrating multiple adsorption sites and tortuous diffusion paths into a metal-organic framework for C <sub>3</sub> H <sub>4</sub> /C <sub>3</sub> H <sub>6</sub> separation. <i>Journal of Materials Chemistry A</i> , 2019, 7, 25254-25257.	5.2	26
26	Enhancing proton conductivity in Zr-MOFs through tuning metal cluster connectivity. <i>Journal of Materials Chemistry A</i> , 2022, 10, 1236-1240.	5.2	22
27	A Base-Resistant Zn <sup>II</sup> -Based Metal-Organic Framework: Synthesis, Structure, Postsynthetic Modification, and Gas Adsorption. <i>ChemPlusChem</i> , 2016, 81, 864-871.	1.3	16
28	Stable Bimetallic Metal-Organic Framework with Dual-Functional Pyrazolate-Carboxylate Ligand: Rational Construction and C <sub>2</sub> H <sub>2</sub> /CO <sub>2</sub> Separation. , 2022, 4, 1032-1036.		15
29	A Zn(II)-based pillar-layered metal-organic framework: Synthesis, structure, and CO <sub>2</sub> selective adsorption. <i>Polyhedron</i> , 2019, 158, 283-289.	1.0	10
30	Unique T-Shaped Ligand as a New Platform for Metal-Organic Frameworks. <i>Crystal Growth and Design</i> , 2019, 19, 430-436.	1.4	10
31	Reaction duration-dependent formation of two Cu(II)-MOFs with selective adsorption properties of C <sub>3</sub> H <sub>4</sub> over C <sub>3</sub> H <sub>6</sub> . <i>Dalton Transactions</i> , 2019, 48, 9225-9233.	1.6	9
32	Metalloporphyrin functionalized multivariate IRMOF-74-IV analogs for photocatalytic CO <sub>2</sub> reduction. <i>Separation and Purification Technology</i> , 2022, 292, 121080.	3.9	9
33	A three-dimensional metal-organic framework with high performance of dual cation sensing synthesized <i>via</i> single-crystal transformation. <i>New Journal of Chemistry</i> , 2020, 44, 11829-11834.	1.4	8
34	Ethylene purification in a metal-organic framework over a wide temperature range via pore confinement. <i>Green Energy and Environment</i> , 2023, 8, 1703-1710.	4.7	6
35	Nanocage containing metal-organic framework constructed from a newly designed low symmetry tetra-pyrazole ligand. <i>Journal of Coordination Chemistry</i> , 2016, 69, 3242-3249.	0.8	1
36	A Series of Mesoporous Rare-Earth Metal-Organic Frameworks Constructed from Organic Secondary Building Units. <i>Angewandte Chemie</i> , 2021, 133, 2081-2085.	1.6	1

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37	A Cu(II) metal-organic framework based on an angular ligand with a bulky uncoordinated group: synthesis, structure, and gas adsorption. <i>Journal of Coordination Chemistry</i> , 2020, 73, 844-853.	0.8	0