Tao He

List of Publications by Year
in descending order

37 papers	2,059 citations	257357 24 h-index	395590 33 g-index
38 all docs	38 docs citations	38 times ranked	1818 citing authors

#	Article	IF	Citations
1	Ethylene purification in a metalâ€“organic framework over a wide temperature range via pore confinement. Green Energy and Environment, 2023, 8, 1703-1710.	4.7	6
2	Enhancing proton conductivity in Zr-MOFs through tuning metal cluster connectivity. Journal of Materials Chemistry A, 2022, 10, 1236-1240.	5.2	22
3	Metalloporphyrin functionalized multivariate IRMOF-74-IV analogs for photocatalytic CO2 reduction. Separation and Purification Technology, 2022, 292, 121080.	3.9	9
4	Stable Bimetallic Metalâ€“Organic Framework with Dual-Functional Pyrazolate-Carboxylate Ligand: Rational Construction and C₂H₂/CO₂ Separation. , 2022, 4, 1032-1036.		15
5	Trace removal of benzene vapour using double-walled metalâ€“dipyrazolate frameworks. Nature Materials, 2022, 21, 689-695.	13.3	109
6	A stable Co(II)-based metal-organic framework with dual-functional pyrazolate-carboxylate ligand: Construction and CO2 selective adsorption and fixation. Chinese Chemical Letters, 2021, 32, 918-922.	4.8	27
7	A Series of Mesoporous Rareâ€Earth Metalâ€“Organic Frameworks Constructed from Organic Secondary Building Units. Angewandte Chemie - International Edition, 2021, 60, 2053-2057.	7.2	43
8	A Series of Mesoporous Rareâ€Earth Metalâ€“Organic Frameworks Constructed from Organic Secondary Building Units. Angewandte Chemie, 2021, 133, 2081-2085.	1.6	1
9	Understanding how pore surface fluorination influences light hydrocarbon separation in metalâ€“organic frameworks. Chemical Engineering Journal, 2021, 407, 127183.	6.6	39
10	Linker Desymmetrization: Access to a Series of Rare-Earth Tetracarboxylate Frameworks with Eight-Connected Hexanuclear Nodes. Journal of the American Chemical Society, 2021, 143, 2784-2791.	6.6	61
11	In Situ Porphyrin Substitution in a Zr(IV)â€MOF for Stability Enhancement and Photocatalytic CO₂ Reduction. Small, 2021, 17, e2005357.	5.2	84
12	A Practice of Reticular Chemistry: Construction of a Robust Mesoporous Palladium Metalâ€“Organic Framework via Metal Metathesis. Journal of the American Chemical Society, 2021, 143, 9901-9911.	6.6	60
13	Chemically Stable Metalâ€“Organic Frameworks: Rational Construction and Application Expansion. Accounts of Chemical Research, 2021, 54, 3083-3094.	7.6	167
14	Two isomeric In(<scp>iii</scp>)-MOFs: unexpected stability difference and selective fluorescence detection of fluoroquinolone antibiotics in water. Inorganic Chemistry Frontiers, 2020, 7, 1161-1171.	3.0	89
15	Kinetically Controlled Reticular Assembly of a Chemically Stable Mesoporous Ni(II)-Pyrazolate Metalâ€“Organic Framework. Journal of the American Chemical Society, 2020, 142, 13491-13499.	6.6	97
16	A Green-Emission Metalâ€“Organic Framework-Based Nanoprobe for Imaging Dual Tumor Biomarkers in Living Cells. ACS Applied Materials & Interfaces, 2020, 12, 35375-35384.	4.0	32
17	A three-dimensional metalâ€“organic framework with high performance of dual cation sensing synthesized <i>via</i> single-crystal transformation. New Journal of Chemistry, 2020, 44, 11829-11834.	1.4	8
18	Selective adsorption and separation of C₂ hydrocarbons in a â€œflexible-robustâ€• metalâ€“organic framework based on a guest-dependent gate-opening effect. Chemical Communications, 2020, 56, 5520-5523.	2.2	35

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19	A Cu(II) metalâ€“organic framework based on an angular ligand with a bulky uncoordinated group: synthesis, structure, and gas adsorption. Journal of Coordination Chemistry, 2020, 73, 844-853.	0.8	0
20	Ligand Rigidification for Enhancing the Stability of Metalâ€“Organic Frameworks. Journal of the American Chemical Society, 2019, 141, 10283-10293.	6.6	172
21	Reaction duration-dependent formation of two Cu(<scp>ii</scp>)-MOFs with selective adsorption properties of C₃H₄ over C₃H₆. Dalton Transactions, 2019, 48, 9225-9233.	1.6	9
22	Single-Crystal Synthesis and Structures of Highly Stable Ni₈-Pyrazolate-Based Metalâ€“Organic Frameworks. , 2019, 1, 20-24.		26
23	Constructing new metalâ€“organic frameworks with complicated ligands from â€œOne-Potâ€• <i>in situ</i> reactions. Chemical Science, 2019, 10, 3949-3955.	3.7	46
24	Integrating multiple adsorption sites and tortuous diffusion paths into a metalâ€“organic framework for C₃H₄/C₃H₆ separation. Journal of Materials Chemistry A, 2019, 7, 25254-25257.	5.2	26
25	A Zn(II)-based pillar-layered metalâ€“organic framework: Synthesis, structure, and CO2 selective adsorption. Polyhedron, 2019, 158, 283-289.	1.0	10
26	Unique T-Shaped Ligand as a New Platform for Metalâ€“Organic Frameworks. Crystal Growth and Design, 2019, 19, 430-436.	1.4	10
27	Guest-dependent pressure induced gate-opening effect enables effective separation of propene and propane in a flexible MOF. Chemical Engineering Journal, 2018, 346, 489-496.	6.6	87
28	A Stable Zr(IV)-Based Metalâ€“Organic Framework Constructed from Câ•C Bridged Di-isophthalate Ligand for Sensitive Detection of Cr₂O₇^{2â€“} in Water. Inorganic Chemistry, 2018, 57, 14260-14268.	1.9	62
29	Metal-Organic Frameworks for the Capture of Trace Aromatic Volatile Organic Compounds. CheM, 2018, 4, 1911-1927.	5.8	232
30	Tuning Water Sorption in Highly Stable Zr(IV)-Metalâ€“Organic Frameworks through Local Functionalization of Metal Clusters. ACS Applied Materials & Interfaces, 2018, 10, 27868-27874.	4.0	54
31	Zr(IV)-Based Metal-Organic Framework with T-Shaped Ligand: Unique Structure, High Stability, Selective Detection, and Rapid Adsorption of Cr₂O₇^{2â€“} in Water. ACS Applied Materials & Interfaces, 2018, 10, 16650-16659.	4.0	219
32	Two interpenetrated metalâ€“organic frameworks with a slim ethynyl-based ligand: designed for selective gas adsorption and structural tuning. CrystEngComm, 2018, 20, 6018-6025.	1.3	29
33	Functionalized Baseâ€Stable Metalâ€“Organic Frameworks for Selective CO₂ Adsorption and Proton Conduction. ChemPhysChem, 2017, 18, 3245-3252.	1.0	43
34	A Baseâ€Resistant Zn^{II}â€Based Metalâ€“Organic Framework: Synthesis, Structure, Postsynthetic Modification, and Gas Adsorption. ChemPlusChem, 2016, 81, 864-871.	1.3	16
35	Nanocage containing metal-organic framework constructed from a newly designed low symmetry tetra-pyrazole ligand. Journal of Coordination Chemistry, 2016, 69, 3242-3249.	0.8	1
36	Switching Regioselectivity of Î²â€Ketothioamides by Means of Iodine Catalysis: Synthesis of Thiazolylidenes and 1,4â€Dithiines. Chemistry - A European Journal, 2014, 20, 5028-5033.	1.7	43

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37	Three-Component Cascade Annulation of Î²-Ketothioamides Promoted by CF3CH2OH: A Regioselective Synthesis of Tetrasubstituted Thiophenes. Journal of Organic Chemistry, 2013, 78, 10617-10628.	1.7	70