

# Yabing He

## List of Publications by Citations

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120  
papers

9,232  
citations

46  
h-index

95  
g-index

127  
ext. papers

10,571  
ext. citations

8  
avg. IF

6.47  
L-index

#	Paper	IF	Citations
120	Methane storage in metal-organic frameworks. <i>Chemical Society Reviews</i> , <b>2014</b> , 43, 5657-78	58.5	1246
119	Microporous metal-organic framework with potential for carbon dioxide capture at ambient conditions. <i>Nature Communications</i> , <b>2012</b> , 3, 954	17.4	615
118	Metal-organic frameworks with potential for energy-efficient adsorptive separation of light hydrocarbons. <i>Energy and Environmental Science</i> , <b>2012</b> , 5, 9107	35.4	517
117	Multifunctional metal-organic frameworks constructed from meta-benzenedicarboxylate units. <i>Chemical Society Reviews</i> , <b>2014</b> , 43, 5618-56	58.5	431
116	A microporous hydrogen-bonded organic framework for highly selective C <sub>2</sub> H <sub>2</sub> /C <sub>2</sub> H <sub>4</sub> separation at ambient temperature. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 14570-3	16.4	409
115	Multifunctional porous hydrogen-bonded organic framework materials. <i>Chemical Society Reviews</i> , <b>2019</b> , 48, 1362-1389	58.5	358
114	Interplay of metalloligand and organic ligand to tune micropores within isostructural mixed-metal organic frameworks (M <sup>2</sup> MOFs) for their highly selective separation of chiral and achiral small molecules. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 8703-10	16.4	296
113	Microporous metal-organic frameworks for storage and separation of small hydrocarbons. <i>Chemical Communications</i> , <b>2012</b> , 48, 11813-31	5.8	278
112	Porous metalloporphyrinic frameworks constructed from metal 5,10,15,20-tetrakis(3,5-biscarboxylphenyl)porphyrin for highly efficient and selective catalytic oxidation of alkylbenzenes. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 10638-45	16.4	244
111	A homochiral microporous hydrogen-bonded organic framework for highly enantioselective separation of secondary alcohols. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 547-9	16.4	233
110	A microporous metal-organic framework for highly selective separation of acetylene, ethylene, and ethane from methane at room temperature. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 613-9	4.8	188
109	A robust doubly interpenetrated metal-organic framework constructed from a novel aromatic tricarboxylate for highly selective separation of small hydrocarbons. <i>Chemical Communications</i> , <b>2012</b> , 48, 6493-5	5.8	187
108	A series of metal-organic frameworks with high methane uptake and an empirical equation for predicting methane storage capacity. <i>Energy and Environmental Science</i> , <b>2013</b> , 6, 2735	35.4	177
107	Porous metal-organic frameworks for fuel storage. <i>Coordination Chemistry Reviews</i> , <b>2018</b> , 373, 167-198	23.2	169
106	A microporous metal-organic framework with both open metal and Lewis basic pyridyl sites for high C <sub>2</sub> H <sub>2</sub> and CH <sub>4</sub> storage at room temperature. <i>Chemical Communications</i> , <b>2013</b> , 49, 6719-21	5.8	142
105	A rod-packing microporous hydrogen-bonded organic framework for highly selective separation of C <sub>2</sub> H <sub>2</sub> /CO <sub>2</sub> at room temperature. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 574-7	16.4	137
104	A microporous metal-organic framework with both open metal and Lewis basic pyridyl sites for highly selective C <sub>2</sub> H <sub>2</sub> /CH <sub>4</sub> and C <sub>2</sub> H <sub>2</sub> /CO <sub>2</sub> gas separation at room temperature. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 77-81	13	131

103	High separation capacity and selectivity of C2 hydrocarbons over methane within a microporous metal-organic framework at room temperature. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 1901-4	4.8	127
102	A microporous lanthanide-tricarboxylate framework with the potential for purification of natural gas. <i>Chemical Communications</i> , <b>2012</b> , 48, 10856-8	5.8	120
101	A photoluminescent microporous metal organic anionic framework for nitroaromatic explosive sensing. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 4525	13	113
100	A microporous six-fold interpenetrated hydrogen-bonded organic framework for highly selective separation of C2H4/C2H6. <i>Chemical Communications</i> , <b>2014</b> , 50, 13081-4	5.8	105
99	Fine Tuning of MOF-505 Analogues To Reduce Low-Pressure Methane Uptake and Enhance Methane Working Capacity. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 11426-11430	16.4	92
98	A Rod-Packing Microporous Hydrogen-Bonded Organic Framework for Highly Selective Separation of C2H2/CO2 at Room Temperature. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 584-587	3.6	92
97	Highly efficient C-H oxidative activation by a porous Mn(III) -porphyrin metal-organic framework under mild conditions. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 14316-21	4.8	88
96	Enhanced CO2 sorption and selectivity by functionalization of a NbO-type metal-organic framework with polarized benzothiadiazole moieties. <i>Chemical Communications</i> , <b>2014</b> , 50, 12105-8	5.8	86
95	A NbO-type metal-organic framework exhibiting high deliverable capacity for methane storage. <i>Chemical Communications</i> , <b>2015</b> , 51, 8508-11	5.8	77
94	A Doubly Interpenetrated Metal-Organic Framework with Open Metal Sites and Suitable Pore Sizes for Highly Selective Separation of Small Hydrocarbons at Room Temperature. <i>Crystal Growth and Design</i> , <b>2013</b> , 13, 2094-2097	3.5	77
93	A new metal-organic framework with potential for adsorptive separation of methane from carbon dioxide, acetylene, ethylene, and ethane established by simulated breakthrough experiments. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 2628	13	74
92	The accessibility of nitrogen sites makes a difference in selective CO2 adsorption of a family of isostructural metal-organic frameworks. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 19417-19426	13	71
91	Doubly Interpenetrated Metal-Organic Framework for Highly Selective C2H2/CH4 and C2H2/CO2 Separation at Room Temperature. <i>Crystal Growth and Design</i> , <b>2016</b> , 16, 7194-7197	3.5	65
90	An aminopyrimidine-functionalized cage-based metal-organic framework exhibiting highly selective adsorption of C2H2 and CO2 over CH4. <i>Dalton Transactions</i> , <b>2016</b> , 45, 13373-82	4.3	62
89	Low-energy regeneration and high productivity in a lanthanide-hexacarboxylate framework for high-pressure CO2-CH4-H2 separation. <i>Chemical Communications</i> , <b>2013</b> , 49, 6773-5	5.8	61
88	Metal-Organic Framework with Functional Amide Groups for Highly Selective Gas Separation. <i>Crystal Growth and Design</i> , <b>2013</b> , 13, 2670-2674	3.5	61
87	Expanded organic building units for the construction of highly porous metal-organic frameworks. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 14886-94	4.8	60
86	Metastable interwoven mesoporous metal-organic frameworks. <i>Inorganic Chemistry</i> , <b>2013</b> , 52, 11580-4	5.1	59

85	A microporous metal-organic framework assembled from an aromatic tetracarboxylate for H <sub>2</sub> purification. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 2543	13	59
84	A microporous metal-organic framework of a rare sty topology for high CH <sub>4</sub> storage at room temperature. <i>Chemical Communications</i> , <b>2013</b> , 49, 2043-5	5.8	58
83	Selective adsorption of C <sub>2</sub> H <sub>2</sub> and CO <sub>2</sub> from CH <sub>4</sub> in an isorecticular series of MOFs constructed from unsymmetrical diisophthalate linkers and the effect of alkoxy group functionalization on gas adsorption. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 3471-3478	13	53
82	Chiral binaphthylbisbipyridine-based copper(I) coordination polymer gels as supramolecular catalysts. <i>Chemical Communications</i> , <b>2010</b> , 46, 3532-4	5.8	53
81	Immobilization of Oxygen Atoms in the Pores of Microporous Metal-Organic Frameworks for C <sub>2</sub> H <sub>2</sub> Separation and Purification. <i>ACS Applied Nano Materials</i> , <b>2020</b> , 3, 2911-2919	5.6	52
80	Enantioselective ring-opening of meso-epoxides by aromatic amines catalyzed by a homochiral metal-organic framework. <i>Chemical Communications</i> , <b>2013</b> , 49, 9836-8	5.8	52
79	A robust microporous metal-organic framework constructed from a flexible organic linker for acetylene storage at ambient temperature. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 10195		52
78	A microporous metal-organic framework with commensurate adsorption and highly selective separation of xenon. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 4752-4758	13	49
77	A Microporous Metal-Organic Framework Constructed from a New Tetracarboxylic Acid for Selective Gas Separation. <i>Crystal Growth and Design</i> , <b>2014</b> , 14, 2522-2526	3.5	49
76	A stable microporous mixed-metal metal-organic framework with highly active Cu <sup>2+</sup> sites for efficient cross-dehydrogenative coupling reactions. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 1447-52	4.8	49
75	C <sub>2</sub> H <sub>2</sub> adsorption in three isostructural metal-organic frameworks: boosting C <sub>2</sub> H <sub>2</sub> uptake by rational arrangement of nitrogen sites. <i>Dalton Transactions</i> , <b>2016</b> , 45, 4563-9	4.3	48
74	A hydrostable cage-based MOF with open metal sites and Lewis basic sites immobilized in the pore surface for efficient separation and purification of natural gas and CH <sub>4</sub> . <i>Dalton Transactions</i> , <b>2020</b> , 49, 3553-3561	4.3	46
73	A Porous Zirconium-Based Metal-Organic Framework with the Potential for the Separation of Butene Isomers. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 14988-14997	4.8	46
72	A porous lanthanide metal-organic framework based on a flexible cyclotriphosphazene-functionalized hexacarboxylate exhibiting selective gas adsorption. <i>CrystEngComm</i> , <b>2016</b> , 18, 6254-6261	3.3	43
71	A highly porous NbO type metal-organic framework constructed from an expanded tetracarboxylate. <i>Chemical Communications</i> , <b>2014</b> , 50, 1552-4	5.8	42
70	Immobilization of N-oxide functionality into NbO-type MOFs for significantly enhanced CH <sub>4</sub> /CH <sub>2</sub> and CO <sub>2</sub> /CH <sub>4</sub> separations. <i>Dalton Transactions</i> , <b>2020</b> , 49, 7174-7181	4.3	40
69	CO <sub>2</sub> adsorption of three isostructural metal-organic frameworks depending on the incorporated highly polarized heterocyclic moieties. <i>Dalton Transactions</i> , <b>2016</b> , 45, 190-7	4.3	40
68	Exploring the Effect of Ligand-Originated MOF Isomerism and Methoxy Group Functionalization on Selective Acetylene/Methane and Carbon Dioxide/Methane Adsorption Properties in Two NbO-Type MOFs. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 20559-20568	9.5	40

67	A comparative study of the effect of functional groups on C <sub>2</sub> H <sub>2</sub> adsorption in NbO-type metal-organic frameworks. <i>Inorganic Chemistry Frontiers</i> , <b>2017</b> , 4, 960-967	6.8	39
66	A Chemically Cross-Linked NbO-Type Metal-Organic Framework: Cage or Window Partition?. <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 3974-9	5.1	37
65	A ligand conformation preorganization approach to construct a copper-hexacarboxylate framework with a novel topology for selective gas adsorption. <i>Inorganic Chemistry Frontiers</i> , <b>2019</b> , 6, 263-270	6.8	36
64	Merging open metal sites and Lewis basic sites in a NbO-type metal-organic framework for improved C <sub>2</sub> H <sub>2</sub> /CH <sub>4</sub> and CO <sub>2</sub> /CH <sub>4</sub> separation. <i>Dalton Transactions</i> , <b>2015</b> , 44, 14823-9	4.3	36
63	A mesoporous lanthanide-organic framework constructed from a dendritic hexacarboxylate with cages of 2.4 nm. <i>CrystEngComm</i> , <b>2013</b> , 15, 9328	3.3	33
62	Self-discriminating and hierarchical assembly of racemic binaphthyl-bisbipyridines and silver ions: from metallocycles to gel nanofibers. <i>Chemical Communications</i> , <b>2011</b> , 47, 1589-91	5.8	33
61	Structural diversities and gas adsorption properties of a family of rod-packing lanthanide-organic frameworks based on cyclotriphosphazene-functionalized hexacarboxylate derivatives. <i>Inorganic Chemistry Frontiers</i> , <b>2018</b> , 5, 2227-2237	6.8	31
60	Highly selective separation of small hydrocarbons and carbon dioxide in a metal-organic framework with open copper(II) coordination sites. <i>RSC Advances</i> , <b>2014</b> , 4, 23058	3.7	31
59	An anionic metal-organic framework constructed from a triazole-functionalized diisophthalate featuring hierarchical cages for selective adsorptive C <sub>2</sub> H <sub>2</sub> /CH <sub>4</sub> and CO <sub>2</sub> /CH <sub>4</sub> separation. <i>CrystEngComm</i> , <b>2017</b> , 19, 2795-2801	3.3	30
58	High methane storage and working capacities in a NbO-type metal-organic framework. <i>Dalton Transactions</i> , <b>2016</b> , 45, 7559-62	4.3	29
57	Rational construction of an ssa-type of MOF through pre-organizing the ligand's conformation and its exceptional gas adsorption properties. <i>Dalton Transactions</i> , <b>2018</b> , 47, 2444-2452	4.3	27
56	A new MOF-5 homologue for selective separation of methane from C <sub>2</sub> hydrocarbons at room temperature. <i>APL Materials</i> , <b>2014</b> , 2, 124102	5.7	27
55	A family of ssa-type copper-based MOFs constructed from unsymmetrical diisophthalates: synthesis, characterization and selective gas adsorption. <i>Materials Chemistry Frontiers</i> , <b>2017</b> , 1, 2283-2291 <sup>7,8</sup>	7.8	27
54	Stereoselective and hierarchical self-assembly from nanotubular homochiral helical coordination polymers to supramolecular gels. <i>Chemical Communications</i> , <b>2010</b> , 46, 5695-7	5.8	27
53	Ultrasound-promoted chiral fluorescent organogel. <i>New Journal of Chemistry</i> , <b>2009</b> , 33, 2073	3.6	27
52	A rare Pb <sub>9</sub> cluster-organic framework constructed from a flexible cyclotriphosphazene-functionalized hexacarboxylate exhibiting selective gas separation. <i>Inorganic Chemistry Frontiers</i> , <b>2017</b> , 4, 1501-1508	6.8	27
51	An anionic metal-organic framework based on angular tetracarboxylic acid and a mononuclear copper ion for selective gas adsorption. <i>Inorganic Chemistry Frontiers</i> , <b>2016</b> , 3, 1411-1418	6.8	27
50	Incorporation of bifunctional aminopyridine into an NbO-type MOF for the markedly enhanced adsorption of CO <sub>2</sub> and C <sub>2</sub> H <sub>2</sub> over CH <sub>4</sub> . <i>Inorganic Chemistry Frontiers</i> , <b>2019</b> , 6, 1177-1183	6.8	26

49	Novel C3-symmetrical triphenylbenzene-based organogelators with different linkers between phenyl ring and alkyl chain. <i>Tetrahedron</i> , <b>2010</b> , 66, 3553-3563	2.4	24
48	A porous metal-organic framework based on an asymmetric angular diisophthalate for selective adsorption of CH and CO over CH. <i>Dalton Transactions</i> , <b>2017</b> , 46, 7813-7820	4.3	23
47	A metal-organic framework based on a custom-designed diisophthalate ligand exhibiting excellent hydrostability and highly selective adsorption of CH and CO over CH. <i>Dalton Transactions</i> , <b>2018</b> , 47, 7213-7221	4.3	22
46	A comparative study of CH adsorption properties in five isomeric copper-based MOFs based on naphthalene-derived diisophthalates. <i>Dalton Transactions</i> , <b>2017</b> , 46, 11469-11478	4.3	22
45	Fine Tuning of MOF-505 Analogues To Reduce Low-Pressure Methane Uptake and Enhance Methane Working Capacity. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 11584-11588	3.6	20
44	A pair of polymorphous metal-organic frameworks based on an angular diisophthalate linker: synthesis, characterization and gas adsorption properties. <i>Dalton Transactions</i> , <b>2018</b> , 47, 716-725	4.3	20
43	Synthesis and excellent electromagnetic absorbing properties of copolymer (N-methylpyrrole-co-pyrrole) and BaNdCr ferrite. <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 632, 490-499	5.7	19
42	A metal-organic framework based on cyclotriphosphazene-functionalized hexacarboxylate for selective adsorption of CO <sub>2</sub> and C <sub>2</sub> H <sub>6</sub> over CH <sub>4</sub> at room temperature. <i>CrystEngComm</i> , <b>2015</b> , 17, 6314-6319	3.3	18
41	Three isorecticular MOFs derived from nitrogen-functionalized diisophthalate ligands: exploring the positional effect of nitrogen functional sites on the structural stabilities and selective C <sub>2</sub> H <sub>2</sub> /CH <sub>4</sub> and CO <sub>2</sub> /CH <sub>4</sub> adsorption properties. <i>Inorganic Chemistry Frontiers</i> , <b>2018</b> , 5, 1423-1431	6.8	18
40	Three ligand-originated MOF isomers: the positional effect of the methyl group on structures and selective CH <sub>2</sub> /CH and CO/CH adsorption properties. <i>Dalton Transactions</i> , <b>2018</b> , 47, 8983-8991	4.3	18
39	A robust microporous metal-organic framework constructed from a flexible organic linker for highly selective sorption of methanol over ethanol and water. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 10352		18
38	Tailoring the structures and gas adsorption properties of copper bent diisophthalate frameworks by a substituent-driven ligand conformation regulation strategy. <i>CrystEngComm</i> , <b>2019</b> , 21, 6733-6743	3.3	18
37	Effect of arrangement of functional groups on stability and gas adsorption properties in two regioisomeric copper bent diisophthalate frameworks. <i>CrystEngComm</i> , <b>2019</b> , 21, 4820-4827	3.3	17
36	Interpenetration Symmetry Control Within Ultramicroporous Robust Boron Cluster Hybrid MOFs for Benchmark Purification of Acetylene from Carbon Dioxide. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 22865-22870	16.4	17
35	Three isorecticular ssa-type MOFs derived from bent diisophthalate ligands: exploring the substituent effect on structural stabilities and selective CH <sub>2</sub> /CH and CO/CH adsorption properties. <i>Dalton Transactions</i> , <b>2018</b> , 47, 12702-12710	4.3	16
34	Rational construction and remarkable gas adsorption properties of a HKUST-1-like tbo-type MOF based on a tetrakisophthalate linker. <i>Dalton Transactions</i> , <b>2019</b> , 48, 16793-16799	4.3	16
33	Diiron(ii) pentacarbonyl complexes as CO-releasing molecules: their synthesis, characterization, CO-releasing behaviour and biocompatibility. <i>Dalton Transactions</i> , <b>2019</b> , 48, 468-477	4.3	13
32	An -oxide-functionalized nanocage-based copper-tricarboxylate framework for the selective capture of CH. <i>Dalton Transactions</i> , <b>2020</b> , 49, 15672-15681	4.3	13

31	A NbO-type MOF based on an aromatic-rich and N-functionalized diisophthalate ligand for high-performance acetylene storage and purification. <i>CrystEngComm</i> , <b>2018</b> , 20, 7178-7183	3.3	13
30	Improving the Stability and Gas Adsorption Performance of Acylamide Group Functionalized Zinc Metal-Organic Frameworks through Coordination Group Optimization. <i>Crystal Growth and Design</i> , <b>2017</b> , 17, 2584-2588	3.5	12
29	A Microporous MOF with Inorganic Nitrate Ions Immobilized on a Porous Surface Displaying Efficient C <sub>2</sub> H <sub>2</sub> Separation and Purification. <i>European Journal of Inorganic Chemistry</i> , <b>2020</b> , 2020, 1683-1689	2.3	12
28	Intrinsically microporous co-polyimides derived from ortho-substituted Tröger's Base diamine with a pendant tert-butyl-phenyl group and their gas separation performance. <i>Polymer</i> , <b>2018</b> , 153, 173-182	3.9	12
27	Lanthanide-Organic Frameworks Constructed from an Unsymmetrical Tricarboxylate for Selective Gas Adsorption and Small-Molecule Sensing. <i>European Journal of Inorganic Chemistry</i> , <b>2016</b> , 2016, 503-508	2.3	12
26	Two NbO-type MOFs based on linear and zigzag diisophthalate ligands: exploring the effect of ligand-originated MOF isomerization on gas adsorption properties. <i>Inorganic Chemistry Frontiers</i> , <b>2018</b> , 5, 2811-2817	6.8	12
25	Alkaline earth-based coordination polymers derived from a cyclotriphosphazene-functionalized hexacarboxylate. <i>Journal of Solid State Chemistry</i> , <b>2016</b> , 242, 47-54	3.3	11
24	An amine functionalized carbazolic porous organic framework for selective adsorption of CO <sub>2</sub> and C <sub>2</sub> H <sub>2</sub> over CH <sub>4</sub> . <i>Microporous and Mesoporous Materials</i> , <b>2019</b> , 275, 95-101	5.3	11
23	Recent progress on porous MOFs for process-efficient hydrocarbon separation, luminescent sensing, and information encryption.. <i>Chemical Communications</i> , <b>2022</b> ,	5.8	11
22	An aromatic-rich cage-based MOF with inorganic chloride ions decorating the pore surface displaying the preferential adsorption of C <sub>2</sub> H <sub>2</sub> and C <sub>2</sub> H <sub>6</sub> over C <sub>2</sub> H <sub>4</sub> . <i>Inorganic Chemistry Frontiers</i> , <b>2021</b> , 8, 1243-1252	6.8	11
21	Two Co-based MOFs assembled from an amine-functionalized pyridinecarboxylate ligand: inorganic acid-directed structural variety and gas adsorption properties. <i>CrystEngComm</i> , <b>2020</b> , 22, 3424-3431	3.3	10
20	An organogel formed from a cyclic diaminoalcohol. <i>Chemical Communications</i> , <b>2011</b> , 47, 10746-8	5.8	10
19	Rational Construction and Performance Regulation of an In(III)-Tetraisophthalate Framework for One-Step Adsorption-Phase Purification of CH <sub>4</sub> from C <sub>2</sub> Hydrocarbons. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 10819-10829	5.1	9
18	A Series of Metal-Organic Framework Isomers Based on Pyridinedicarboxylate Ligands: Diversified Selective Gas Adsorption and the Positional Effect of Methyl Functionality. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 2704-2715	5.1	9
17	Two copper-based MOFs constructed from a linear diisophthalate linker: supramolecular isomerism and gas adsorption properties. <i>CrystEngComm</i> , <b>2019</b> , 21, 3192-3198	3.3	8
16	A lactam-functionalized copper bent diisophthalate framework displaying significantly enhanced adsorption of CO and CH <sub>4</sub> over CH <sub>2</sub> . <i>Dalton Transactions</i> , <b>2019</b> , 48, 11374-11381	4.3	7
15	Ligand Bent-Angle Engineering for Tuning Topological Structures and Acetylene Purification Performances of Copper-Diisophthalate Frameworks. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 40788-40797	9.5	7
14	Synthesis, Characterization, and Luminescence Modulation of a Metal-Organic Framework Based on a Cyclotriphosphazene-Functionalized Multicarboxylate Ligand. <i>ChemPlusChem</i> , <b>2016</b> , 81, 786-791	2.8	6

13	High-Pressure Methane Adsorption in Two Isoreticular Zr-Based Metal-Organic Frameworks Constructed from C3-Symmetrical Tricarboxylates. <i>Crystal Growth and Design</i> , <b>2017</b> , 17, 248-254	3-5	5
12	Preparation and Electromagnetic Properties of the Co <sub>0.6</sub> Cu <sub>0.16</sub> Ni <sub>0.24</sub> Fe <sub>2</sub> O <sub>4</sub> /Multi-Walled Carbon Nanotube/Polypyrrole Composites. <i>Science of Advanced Materials</i> , <b>2014</b> , 6, 298-303	2-3	5
11	Improving Ethane/Ethylene Separation Performance of Isoreticular Metal-Organic Frameworks Substituent Engineering. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 54059-54068	9-5	5
10	Lanthanide-Organic Frameworks Featuring Three-Dimensional Inorganic Connectivity for Multipurpose Hydrocarbon Separation. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 17249-17257	5-1	5
9	Construction and selective gas adsorption properties of two heterosBU MOFs based on unsymmetrical tetracarboxylate linkers. <i>CrystEngComm</i> , <b>2020</b> , 22, 5961-5969	3-3	5
8	Engineering ligand conformation by substituent manipulation towards diverse copper-tricarboxylate frameworks with tuned gas adsorption properties. <i>Dalton Transactions</i> , <b>2021</b> , 50, 638-646	4-3	5
7	Interpenetration Symmetry Control Within Ultramicroporous Robust Boron Cluster Hybrid MOFs for Benchmark Purification of Acetylene from Carbon Dioxide. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 23047	3-6	4
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