

Hongliang Huang

List of Publications by Year in Descending Order

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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.

119 papers	5,329 citations	45 h-index	70 g-index
128 ext. papers	6,785 ext. citations	8 avg, IF	6.13 L-index

#	Paper	IF	Citations
119	Co-assembly of soluble metal-organic polyhedrons for high-flux thin-film nanocomposite membranes.. <i>Journal of Colloid and Interface Science</i> , 2022 , 615, 10-18	9.3	1
118	Superhydrophobic conjugated porous organic polymer coated polyurethane sponge for efficient oil/water separation. <i>Journal of Porous Materials</i> , 2022 , 29, 433	2.4	0
117	Synergistic disulfide sites of tetrathiafulvalene-based metal-organic framework for highly efficient and selective mercury capture. <i>Separation and Purification Technology</i> , 2022 , 287, 120577	8.3	0
116	Design and synthesis of novel pyridine-rich cationic covalent triazine framework for CO ₂ capture and conversion. <i>Microporous and Mesoporous Materials</i> , 2022 , 329, 111526	5.3	7
115	Robust carbazole-based covalent triazine frameworks with defective ultramicro pore structure for efficient ethane-selective ethane-ethylene separation. <i>Chemical Engineering Journal</i> , 2022 , 427, 131726	14.7	4
114	Nanochannel Engineering in Metal-Organic Frameworks by Grafting Sulfonic Groups for Boosting Proton Conductivity. <i>ACS Applied Energy Materials</i> , 2022 , 5, 3235-3241	6.1	1
113	Confined Ionic Liquid-Built Gas Transfer Pathways for Efficient Propylene/Propane Separation. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 49050-49057	9.5	1
112	A Hydrolytically Stable Cu(II)-Based Metal-Organic Framework with Easily Accessible Ligands for Water Harvesting. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 49509-49518	9.5	1
111	Synergistic effect of carboxyl and sulfate groups for effective removal of radioactive strontium ion in a Zr-metal-organic framework. <i>Water Science and Technology</i> , 2021 , 83, 2001-2011	2.2	3
110	Structural and Hydrolytic Stability of Coordinatively Unsaturated Metal-Organic Frameworks M ₃ (BTC) ₂ (M = Cu, Co, Mn, Ni, and Zn): A Combined DFT and Experimental Study. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 5832-5847	3.8	2
109	Synergistic dual-pyrazol sites of metal-organic framework for efficient separation and recovery of transition metals from wastewater. <i>Chemical Engineering Journal</i> , 2021 , 410, 128431	14.7	8
108	Air-Steam Etched Construction of Hierarchically Porous Metal-Organic Frameworks. <i>Chinese Journal of Chemistry</i> , 2021 , 39, 1538-1544	4.9	2
107	Bioinspired Construction of Uranium Ion Trap with Abundant Phosphate Functional Groups. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 27049-27056	9.5	7
106	Highly selective gas transport channels in mixed matrix membranes fabricated by using water-stable Cu-BTC. <i>Separation and Purification Technology</i> , 2021 , 257, 117979	8.3	9
105	Pore engineering of ZIF-8 with ionic liquids for membrane-based CO ₂ separation: bearing functional group effect. <i>Green Chemical Engineering</i> , 2021 , 2, 104-110	3	5
104	Monodentate AlEgen Anchored on Metal-Organic Framework for Fast Fluorescence Sensing of Phosphate. <i>Chinese Journal of Chemistry</i> , 2021 , 39, 99-105	4.9	5
103	Unexpected effect of stacking manner of covalent triazine polymer on photocatalytic hydrogen production. <i>Journal of Materials Science</i> , 2021 , 56, 5772-5785	4.3	2

102	Integrated High Water Affinity and Size Exclusion Effect on Robust Cu-Based Metal-Organic Framework for Efficient Ethanol/Water Separation. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 3195-3202	8.3	4
101	Self-adaptive dual-metal-site pairs in metal-organic frameworks for selective CO ₂ photoreduction to CH ₄ . <i>Nature Catalysis</i> , 2021 , 4, 719-729	36.5	80
100	Morphology controlled synthesis of Fe ₂ O ₃ -x with benzimidazole-modified Fe-MOFs for enhanced photo-Fenton-like catalysis. <i>Applied Catalysis B: Environmental</i> , 2021 , 291, 120129	21.8	29
99	Metal-organic polyhedron membranes for molecular separation. <i>Journal of Membrane Science</i> , 2021 , 632, 119354	9.6	9
98	Synergistic effect of MOF-Directed acid-base pairs for enhanced proton conduction. <i>Microporous and Mesoporous Materials</i> , 2021 , 323, 111199	5.3	0
97	Simultaneous introduction of oxygen vacancies and hierarchical pores into titanium-based metal-organic framework for enhanced photocatalytic performance. <i>Journal of Colloid and Interface Science</i> , 2021 , 599, 785-794	9.3	4
96	Postsynthetic Oxidation of the Coordination Site in a Heterometallic Metal-Organic Framework: Tuning Catalytic Behaviors. <i>Chemistry of Materials</i> , 2020 , 32, 5192-5199	9.6	11
95	Microporous Hydrogen-Bonded Organic Framework for Highly Efficient Turn-Up Fluorescent Sensing of Aniline. <i>Journal of the American Chemical Society</i> , 2020 , 142, 12478-12485	16.4	73
94	Metal-Free 2D/2D Black Phosphorus and Covalent Triazine Framework Heterostructure for CO ₂ Photoreduction. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 5175-5183	8.3	42
93	Synergistic dual-Li ⁺ sites for CO ₂ separation in metal-organic framework composites. <i>Chemical Engineering Journal</i> , 2020 , 402, 126201	14.7	7
92	Superhydrophobic Ether-Based Porous Organic Polymer-Coated Polyurethane Sponge for Highly Efficient Oil/Water Separation. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 13228-13238	3.9	11
91	Methyl-Shield Cu-BTC with High Water Stability through One-Step Synthesis and In Situ Functionalization. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 12451-12457	3.9	11
90	Porous ZIF-8 Thin Layer Coating on ZnO Hollow Nanofibers for Enhanced Acetone Sensing. <i>ChemistrySelect</i> , 2020 , 5, 2401-2407	1.8	5
89	Quantum sieving of H ₂ /D ₂ in MOFs: a study on the correlation between the separation performance, pore size and temperature. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 6319-6327	13	8
88	Single-Atom Pt ₁ N ₃ Sites on the Stable Covalent Triazine Framework Nanosheets for Photocatalytic N ₂ Fixation. <i>ACS Catalysis</i> , 2020 , 10, 2431-2442	13.1	82
87	A Highly Water-Stable -Carborane-Based Copper Metal-Organic Framework for Efficient High-Temperature Butanol Separation. <i>Journal of the American Chemical Society</i> , 2020 , 142, 8299-8311	16.4	27
86	Rigidifying induced fluorescence enhancement in 2D porous covalent triazine framework nanosheets for the simultaneously luminous detection and adsorption removal of antibiotics. <i>Chemical Engineering Journal</i> , 2020 , 384, 123382	14.7	51
85	Solvent-free mechanochemical route for the construction of ionic liquid and mixed-metal MOF composites for synergistic CO ₂ fixation. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 3180-3185	13	38

84	Theoretical Insights into the Initial Hydrolytic Breakdown of HKUST-1. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 1991-2001	3.8	12
83	A thiadiazole-based covalent triazine framework nanosheet for highly selective and sensitive primary aromatic amine detection among various amines. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 16542-16550	13	24
82	Construction of an anionic porous framework via a post-synthesis strategy to regulate the adsorption behavior of organic pollutants. <i>Journal of Materials Science</i> , 2020 , 55, 14751-14760	4.3	4
81	Direct Observation of Li Ions Trapped in a Mg-Templated Metal-Organic Framework. <i>Inorganic Chemistry</i> , 2019 , 58, 8922-8926	5.1	9
80	Exploration of functional MOFs for efficient removal of fluoroquinolone antibiotics from water. <i>Microporous and Mesoporous Materials</i> , 2019 , 286, 84-91	5.3	43
79	Synergy Effect of Pore Structure and Amount of Carboxyl Site for Effective Removal of Pb ²⁺ in Metal-Organic Frameworks. <i>Journal of Chemical & Engineering Data</i> , 2019 , 64, 2728-2735	2.8	20
78	Highly Chemically Stable MOFs with Trifluoromethyl Groups: Effect of Position of Trifluoromethyl Groups on Chemical Stability. <i>Inorganic Chemistry</i> , 2019 , 58, 5725-5732	5.1	23
77	Specific K Binding Sites as CO Traps in a Porous MOF for Enhanced CO Selective Sorption. <i>Small</i> , 2019 , 15, e1900426	11	45
76	In Vitro Toxicity Study of a Porous Iron(III) Metal-Organic Framework. <i>Molecules</i> , 2019 , 24,	4.8	30
75	Effective Removal of Antibacterial Drugs from Aqueous Solutions Using Porous Metal-Organic Frameworks. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2019 , 29, 1305-1313	3.2	6
74	Efficient separation of vitamins mixture in aqueous solution using a stable zirconium-based metal-organic framework. <i>Journal of Colloid and Interface Science</i> , 2019 , 555, 714-721	9.3	10
73	Stable and size-controllable ultrafine Pt nanoparticles derived from a MOF-based single metal ion trap for efficient electrocatalytic hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 20239-20246	12	17
72	Ultramicroporous Metal-Organic Framework with Polar Groups for Efficiently Recovering Propylene from Polypropylene Off-Gas. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 14333-14339	3.9	6
71	Controlling Metal Ion Counter Diffusion in Confined Spaces for In Situ Growth of Mixed Metal MOF Membranes for Gas Separation. <i>ChemNanoMat</i> , 2019 , 5, 1244-1250	3.5	7
70	IL-induced formation of dynamic complex iodide anions in IL@MOF composites for efficient iodine capture. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 18324-18329	13	37
69	Fluorescence sensing of H ₂ O in alcohols solvents based on instability of the by-product from synthesis of metal-organic framework. <i>Microporous and Mesoporous Materials</i> , 2019 , 290, 109624	5.3	3
68	Metal-organic framework encapsulated single-atom Pt catalysts for efficient photocatalytic hydrogen evolution. <i>Journal of Catalysis</i> , 2019 , 375, 351-360	7.3	53
67	A temperature-responsive smart molecular gate in a metal-organic framework for task-specific gas separation. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 26574-26579	13	10

66	A highly fluorescent Al ³⁺ -based metal-organic framework (CYCU-3) for selective and sensitive sensing of 2,4,6-trinitrophenol. <i>Journal of Porous Materials</i> , 2018 , 25, 1597-1602	2.4	2
65	Fabrication of mixed-matrix membranes with MOF-derived porous carbon for CO ₂ separation. <i>AIChE Journal</i> , 2018 , 64, 3400-3409	3.6	20
64	Synthesis of hierarchical-pore metal-organic framework on liter scale for large organic pollutants capture in wastewater. <i>Journal of Colloid and Interface Science</i> , 2018 , 525, 39-47	9.3	38
63	Design of Turn-on Fluorescence sensor for L-Cysteine based on the instability of metal-organic frameworks. <i>Microporous and Mesoporous Materials</i> , 2018 , 268, 88-92	5.3	33
62	A versatile MOF-based trap for heavy metal ion capture and dispersion. <i>Nature Communications</i> , 2018 , 9, 187	17.4	349
61	A metal-organic framework with large 1-D channels and rich OH sites for high-efficiency chloramphenicol removal from water. <i>Journal of Colloid and Interface Science</i> , 2018 , 526, 28-34	9.3	51
60	Aqueous phase sensing of bismuth ion using fluorescent metal-organic framework. <i>Sensors and Actuators B: Chemical</i> , 2018 , 266, 323-328	8.5	26
59	Flexibility induced high-performance MOF-based adsorbent for nitroimidazole antibiotics capture. <i>Chemical Engineering Journal</i> , 2018 , 333, 678-685	14.7	101
58	Integrated adsorption and catalytic degradation of safranin T by a porous covalent triazine-based framework. <i>Journal of Colloid and Interface Science</i> , 2018 , 532, 1-11	9.3	29
57	Facile Approach to Graft Ionic Liquid into MOF for Improving the Efficiency of CO Chemical Fixation. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 27124-27130	9.5	94
56	Improving particle dispersity and CO ₂ separation performance of amine-functionalized CAU-1 based mixed matrix membranes with polyethyleneimine-grafting modification. <i>Chemical Engineering Science</i> , 2018 , 189, 277-285	4.4	27
55	Functionalized metal-organic frameworks for effective removal of rocephin in aqueous solutions. <i>Journal of Colloid and Interface Science</i> , 2018 , 514, 234-239	9.3	46
54	Zirconium-Porphyrin PCN-222: pH-responsive Controlled Anticancer Drug Oridonin. <i>Evidence-based Complementary and Alternative Medicine</i> , 2018 , 2018, 3249023	2.3	6
53	Biocompatible Fe-Based Micropore Metal-Organic Frameworks as Sustained-Release Anticancer Drug Carriers. <i>Molecules</i> , 2018 , 23,	4.8	30
52	Ultrahigh effective H ₂ /D ₂ separation in an ultramicroporous metal-organic framework material through quantum sieving. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 19954-19959	13	21
51	Highly Porous Covalent Triazine Frameworks for Reversible Iodine Capture and Efficient Removal of Dye. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 15114-15121	3.9	45
50	Screening of Metal-Organic Frameworks for Highly Effective Hydrogen Isotope Separation by Quantum Sieving. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 32128-32132	9.5	11
49	ZIF-67 as Continuous Self-Sacrifice Template Derived NiCo ₂ O ₄ /Co,N-CNTs Nanocages as Efficient Bifunctional Electrocatalysts for Rechargeable Zn-Air Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 10021-10029	8.3	60

48	A Fluorescent Zirconium-Based Metal-Organic Framework for Selective Detection of Nitro Explosives and Metal Ions. <i>Chinese Journal of Chemistry</i> , 2017 , 35, 1091-1097	4.9	9
47	Reversing the Dye Adsorption and Separation Performance of Metal-Organic Frameworks via Introduction of SO ₃ H Groups. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 4496-4501	3.9	88
46	High-Flux Graphene Oxide Membranes Intercalated by Metal-Organic Framework with Highly Selective Separation of Aqueous Organic Solution. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 1710-1718	9.5	78
45	Mixed matrix membranes incorporated with polydopamine-coated metal-organic framework for dehydration of ethylene glycol by pervaporation. <i>Journal of Membrane Science</i> , 2017 , 527, 8-17	9.6	51
44	Sulfate-Rich Metal-Organic Framework for High Efficiency and Selective Removal of Barium from Nuclear Wastewater. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 13866-13873	3.9	17
43	A thiophene-containing covalent triazine-based framework with ultramicropore for CO ₂ capture. <i>Journal of Energy Chemistry</i> , 2017 , 26, 902-908	12	24
42	A molecular-level superhydrophobic external surface to improve the stability of metal-organic frameworks. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 18770-18776	13	96
41	Enhancing Higher Hydrocarbons Capture for Natural Gas Upgrading by Tuning van der Waals Interactions in fcu-Type Zr-MOFs. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 14633-14641	3.9	26
40	N,N'-Bicarbazole: A Versatile Building Block toward the Construction of Conjugated Porous Polymers for CO ₂ Capture and Dyes Adsorption. <i>Macromolecules</i> , 2017 , 50, 4993-5003	5.5	82
39	Preparation of thin film nanocomposite membranes with surface modified MOF for high flux organic solvent nanofiltration. <i>AIChE Journal</i> , 2017 , 63, 1303-1312	3.6	84
38	In-situ synthesis of SiO ₂ @MOF composites for high-efficiency removal of aniline from aqueous solution. <i>Applied Surface Science</i> , 2016 , 390, 506-512	6.7	30
37	In-Situ Ligand Formation-Driven Preparation of a Heterometallic Metal-Organic Framework for Highly Selective Separation of Light Hydrocarbons and Efficient Mercury Adsorption. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 23331-7	9.5	61
36	A series of europium-based metal organic frameworks with tuned intrinsic luminescence properties and detection capacities. <i>RSC Advances</i> , 2016 , 6, 111934-111941	3.7	24
35	Enhancing CO ₂ adsorption and separation ability of Zr(IV)-based metal-organic frameworks through ligand functionalization under the guidance of the quantitative structure-property relationship model. <i>Chemical Engineering Journal</i> , 2016 , 289, 247-253	14.7	53
34	Rational construction of defects in a metal-organic framework for highly efficient adsorption and separation of dyes. <i>Chemical Engineering Journal</i> , 2016 , 289, 486-493	14.7	149
33	Highly selective and sensitive metal-organic framework fluorescent probe for Cu ²⁺ through rational design of binding sites. <i>Microporous and Mesoporous Materials</i> , 2016 , 224, 149-154	5.3	38
32	Radioactive Barium Ion Trap Based on Metal-Organic Framework for Efficient and Irreversible Removal of Barium from Nuclear Wastewater. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 8527-35	9.5	90
31	Effects of ionic liquid dispersion in metal-organic frameworks and covalent organic frameworks on CO ₂ capture: A computational study. <i>Chemical Engineering Science</i> , 2016 , 140, 1-9	4.4	39

30	Metal-organic frameworks for highly efficient adsorption of dibenzothiophene from liquid fuels. <i>AIChE Journal</i> , 2016 , 62, 4491-4496	3.6	32
29	Covalent Triazine-Based Frameworks with Ultramicropores and High Nitrogen Contents for Highly Selective CO ₂ Capture. <i>Environmental Science & Technology</i> , 2016 , 50, 4869-76	10.3	149
28	Fabrication of mixed-matrix membrane containing metal-organic framework composite with task-specific ionic liquid for efficient CO ₂ separation. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 7281-7288	13	109
27	A GO-assisted method for the preparation of ultrathin covalent organic framework membranes for gas separation. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 13444-13449	13	96
26	Mixed matrix membranes incorporated with amine-functionalized titanium-based metal-organic framework for CO ₂ /CH ₄ separation. <i>Journal of Membrane Science</i> , 2015 , 478, 130-139	9.6	104
25	Synthesis of MIL-88B(Fe)/Matrimid mixed-matrix membranes with high hydrogen permselectivity. <i>RSC Advances</i> , 2015 , 5, 7253-7259	3.7	30
24	Computational exploration of H ₂ S/CH ₄ mixture separation using acid-functionalized UiO-66(Zr) membrane and composites. <i>Chinese Journal of Chemical Engineering</i> , 2015 , 23, 1291-1299	3.2	30
23	Enhanced removal of iodide from water induced by a metal-incorporated porous metal-organic framework. <i>Applied Surface Science</i> , 2015 , 351, 760-764	6.7	52
22	Recovery of acetone from aqueous solution by ZIF-7/PDMS mixed matrix membranes. <i>RSC Advances</i> , 2015 , 5, 28394-28400	3.7	29
21	An ultrastable Zr metal-organic framework with a thiophene-type ligand containing methyl groups. <i>CrystEngComm</i> , 2015 , 17, 3586-3590	3.3	47
20	Synthesis of CNT@MIL-68(Al) composites with improved adsorption capacity for phenol in aqueous solution. <i>Chemical Engineering Journal</i> , 2015 , 275, 134-141	14.7	84
19	Ionic liquid functionalized multi-walled carbon nanotubes/zeolitic imidazolate framework hybrid membranes for efficient H ₂ /CO ₂ separation. <i>Chemical Communications</i> , 2015 , 51, 17281-4	5.8	32
18	Selective removal of transition metal ions from aqueous solution by metal-organic frameworks. <i>RSC Advances</i> , 2015 , 5, 72107-72112	3.7	25
17	An in situ self-assembly template strategy for the preparation of hierarchical-pore metal-organic frameworks. <i>Nature Communications</i> , 2015 , 6, 8847	17.4	225
16	A high surface area Zr(IV)-based metal-organic framework showing stepwise gas adsorption and selective dye uptake. <i>Journal of Solid State Chemistry</i> , 2015 , 223, 104-108	3.3	37
15	Proton Conductivities in Functionalized UiO-66: Tuned Properties, Thermogravimetry Mass, and Molecular Simulation Analyses. <i>Crystal Growth and Design</i> , 2015 , 15, 5827-5833	3.5	135
14	Mixed-matrix membranes containing functionalized porous metal-organic polyhedrons for the effective separation of CO ₂ -CH ₄ mixture. <i>Chemical Communications</i> , 2015 , 51, 4249-51	5.8	60
13	Efficient capture of nitrobenzene from waste water using metal-organic frameworks. <i>Chemical Engineering Journal</i> , 2014 , 246, 142-149	14.7	141

12	The stability and defluoridation performance of MOFs in fluoride solutions. <i>Microporous and Mesoporous Materials</i> , 2014 , 185, 72-78	5.3	129
11	Separations of substituted benzenes and polycyclic aromatic hydrocarbons using normal- and reverse-phase high performance liquid chromatography with UiO-66 as the stationary phase. <i>Journal of Chromatography A</i> , 2014 , 1370, 121-8	4.5	52
10	Highly selective adsorption and separation of aniline/phenol from aqueous solutions by microporous MIL-53(Al): a combined experimental and computational study. <i>Langmuir</i> , 2014 , 30, 12229-35	4.5	35
9	Tuning CO ₂ selective adsorption over N ₂ and CH ₄ in UiO-67 analogues through ligand functionalization. <i>Inorganic Chemistry</i> , 2014 , 53, 9254-9	5.1	179
8	Hybrid membranes of metal-organic molecule nanocages for aromatic/aliphatic hydrocarbon separation by pervaporation. <i>Chemical Communications</i> , 2014 , 50, 13921-3	5.8	46
7	A new metal-organic framework with high stability based on zirconium for sensing small molecules. <i>Microporous and Mesoporous Materials</i> , 2013 , 171, 118-124	5.3	58
6	Understanding the Effect of Trace Amount of Water on CO ₂ Capture in Natural Gas Upgrading in Metal-Organic Frameworks: A Molecular Simulation Study. <i>Industrial & Engineering Chemistry Research</i> , 2012 , 51, 10031-10038	3.9	60
5	Adsorption Behavior of Metal-Organic Frameworks for Thiophenic Sulfur from Diesel Oil. <i>Industrial & Engineering Chemistry Research</i> , 2012 , 51, 12449-12455	3.9	64
4	Cooperative effect of temperature and linker functionality on CO ₂ capture from industrial gas mixtures in metal-organic frameworks: a combined experimental and molecular simulation study. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 2317-25	3.6	68
3	Helium Recovery by a Cu-BTC Metal-Organic-Framework Membrane. <i>Industrial & Engineering Chemistry Research</i> , 2012 , 51, 11274-11278	3.9	51
2	Revealing the structure-property relationships of metal-organic frameworks for CO ₂ capture from flue gas. <i>Langmuir</i> , 2012 , 28, 12094-9	4	103
1	Effect of temperature on gas adsorption and separation in ZIF-8: A combined experimental and molecular simulation study. <i>Chemical Engineering Science</i> , 2011 , 66, 6297-6305	4.4	122