

# Banglin Chen

## List of Articles by Year in descending order

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145

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39976

citing authors

#	ARTICLE	IF	CITATIONS
1	Advances in porous materials for efficient separation and purification of flue gas. Separation and Purification Technology, 2025, 352, 128238.	8.8	51
2	Green and Scalable Preparation of an Isomeric CALFâ€20 Adsorbent with Tailored Pore Size for Molecular Sieving of Propylene from Propane. Small Methods, 2025, 9, .	9.0	14
3	A pyrene-based hydrogen-bonded framework with excimer induced ratiometric emission for discriminative luminescence detection of metal ions. Microporous and Mesoporous Materials, 2025, 381, 113348.	4.6	6
4	A Grafting Hydrogenâ€bonded Organic Framework for Benchmark Selectivity of C <sub>2</sub> H <sub>2</sub> /CO <sub>2</sub> Separation under Ambient Conditions. Angewandte Chemie - International Edition, 2025, 64, .	14.4	17
5	A Grafting Hydrogenâ€bonded Organic Framework for Benchmark Selectivity of C <sub>2</sub> H <sub>2</sub> /CO <sub>2</sub> Separation under Ambient Conditions. Angewandte Chemie, 2025, 137, .	1.4	0
6	A 3D Robust and Microporous Bâ€N Framework with 8â€connected Sandwich Nodes for Efficient Separation of Hexane Isomers. Angewandte Chemie, 2025, 137, .	1.4	0
7	A 3D Robust and Microporous Bâ€N Framework with 8â€connected Sandwich Nodes for Efficient Separation of Hexane Isomers. Angewandte Chemie - International Edition, 2025, 64, .	14.4	9
8	Metalâ€organic frameworks for one-step ethylene purification from multi-component hydrocarbon mixtures. Coordination Chemistry Reviews, 2025, 523, 216291.	23.1	42
9	Optimizing Propylene/Propane Sieving Separation through Gateâ€Pressure Control within a Flexible Organic Framework. Angewandte Chemie - International Edition, 2025, 64, .	14.4	13
10	Optimizing Propylene/Propane Sieving Separation through Gateâ€Pressure Control within a Flexible Organic Framework. Angewandte Chemie, 2025, 137, .	1.4	5
11	Differentiated Intraâ€Ligand Charge Transfer Boosting Multicolor Responsive MOF Heterostructures as Robust Antiâ€Counterfeiting Labels. Advanced Materials, 2025, 37, .	24.5	28
12	Optimizing supramolecular interactions within metalâ€organic frameworks for ultraâ€high purity propylene purification. AIChE Journal, 2025, 71, .	3.7	4
13	A Microporous Hydrogenâ€Bonded Organic Framework with Open Pyrene Sites Isolated by Hydrogenâ€Bonded Helical Chains for Efficient Separation of Xenon and Krypton. Angewandte Chemie - International Edition, 2025, 64, .	14.4	17
14	A Microporous Hydrogenâ€Bonded Organic Framework with Open Pyrene Sites Isolated by Hydrogenâ€Bonded Helical Chains for Efficient Separation of Xenon and Krypton. Angewandte Chemie, 2025, 137, .	1.4	1
15	Recent Advancement in 2D Metalâ€Organic Framework for Environmental Remediation: A Review. Advanced Functional Materials, 2025, 35, .	17.0	25
16	Interface Engineering of MOF Nanosheets for Accelerated Redox Kinetics in Lithiumâ€Sulfur Batteries. Angewandte Chemie, 2025, 137, .	1.4	5
17	Interface Engineering of MOF Nanosheets for Accelerated Redox Kinetics in Lithiumâ€Sulfur Batteries. Angewandte Chemie - International Edition, 2025, 64, .	14.4	24
18	Metalâ€Organic Framework with Polar Pore Surface Designed for Purification of Both Natural Gas and Ethylene. Chemistry - A European Journal, 2025, 31, .	3.4	3

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19	Environmental applications of metal-organic framework-based three-dimensional macrostructures: a review. <i>Chemical Society Reviews</i> , 2025, 54, 2208-2245.	37.7	70
20	H-bonded organic frameworks as ultrasound-programmable delivery platform. <i>Nature</i> , 2025, 638, 401-410.	37.9	47
21	Flue gas desulfurization and SO <sub>2</sub> recovery within a flexible hydrogen-bonded organic framework. <i>Nature Chemistry</i> , 2025, 17, 727-733.	18.8	33
22	Encapsulation of metal nanoclusters into hydrogen-bonded organic frameworks for double-response-reverse ammonia fluorescence sensing. <i>CheM</i> , 2025, 11, 102457.	16.6	12
23	Monochromatic Responsive HOF Heterostructures via VIA-Group-Based Framework Hybridization for Fully-Covert Photonic Barcode. <i>Advanced Materials</i> , 2025, 37, .	24.5	8
24	1D Metal Mediated Hydrogen Bonded Rods with Rich Phenyl Groups for Highly Efficient Oil Removal. <i>Small</i> , 2025, 21, . <i>Reticular chemistry guided function customization: a case study of constructing low polarity channels for efficient C</i>	11.5	1
25	3 H 6 IC	7.1	21
26	Pore Space Partition Enabled by Lithium(I) Chelation of a Metal-Organic Framework for Benchmark C <sub>2</sub> H <sub>2</sub> /CO <sub>2</sub> Separation. <i>Journal of the American Chemical Society</i> , 2025, 147, 11257-11266.	15.0	33
27	Optimizing Charge Separated Synergistic Binding Sites in Self-Healing Crystalline Porous Organic Salts for Benchmark Trace Alkyne/Alkene Separation. <i>Angewandte Chemie</i> , 2025, 137, .	1.4	0
28	Optimizing Charge Separated Synergistic Binding Sites in Self-Healing Crystalline Porous Organic Salts for Benchmark Trace Alkyne/Alkene Separation. <i>Angewandte Chemie - International Edition</i> , 2025, 64, . <i>Anchoring Highly Unsaturated Nickel(II) Sites into a Metal-Organic Framework for Simultaneous High</i>	14.4	4
29	C 2 H	14.4	15
30	Anchoring Highly Unsaturated Nickel(II) Sites into a Metal-Organic Framework for Simultaneous High C Adsorption and Separation. <i>Angewandte Chemie - International Edition</i> , 2025, 64, .	1.4	3
31	2 H 2 Adsorption and Separation. <i>Angewandte Chemie</i> , 2025, 137, . Guest Polarizability Directed Molecular "Freezing" Within Non-metal Porous Salt Frameworks. <i>Angewandte Chemie</i> , 2025, 137, .	1.4	0
32	Guest Polarizability Directed Molecular "Freezing" Within Non-metal Porous Salt Frameworks. <i>Angewandte Chemie - International Edition</i> , 2025, 64, .	14.4	4
33	Efficient Separation of Methanol/Olefins Products Using a Robust Polycatenated Hydrogen-Bonded Organic Framework. <i>Angewandte Chemie</i> , 2025, 137, .	1.4	0
34	Efficient Separation of Methanol/Olefins Products Using a Robust Polycatenated Hydrogen-Bonded Organic Framework. <i>Angewandte Chemie - International Edition</i> , 2025, 64, .	14.4	7
35	A Microporous Hydrogen-Bonded Organic Framework with Alkynyl Sites for Highly Efficient Propane/Propylene Separation. <i>Journal of the American Chemical Society</i> , 2025, 147, 24403-24412.	15.0	16
36	Stimuli-responsive proton conduction in crystalline porous materials. <i>Coordination Chemistry Reviews</i> , 2025, 544, 216953.	23.1	5

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37	Metal-organic frameworks for ethane-selective adsorption: A comprehensive review on structural design and separation applications. <i>Coordination Chemistry Reviews</i> , 2025, 544, 216974.	23.1	12
38	Recent advances on porous coordination cages for gas storage and separation. <i>Coordination Chemistry Reviews</i> , 2025, 545, 217032.	23.1	9
39	Schmidt Syndrome in Pregnancy: A Hormonal Potpourri to a Happy Pregnancy. <i>Journal of SAFOG</i> , 2024, 15, 332-334.	0.2	0
40	Smartâ€Responsive HOF Heterostructures with Multiple Spatialâ€Resolved Emission Modes toward Photonic Security Platform. <i>Advanced Materials</i> , 2024, 36, .	24.5	35
41	Specific Propyne Trapping Sites within a Robust MOF for Efficient Propyne/Propadiene Separation with Record Propadiene Productivity. <i>Advanced Materials</i> , 2024, 36, .	24.5	23
42	A hydrogen-bonded organic framework containing fluorescent carbazole and responsive pyridyl units for sensing organic acids. <i>Chinese Chemical Letters</i> , 2024, 35, 109344.	7.5	16
43	Self-Healing Hydrogen-Bonded Organic Frameworks for Low-Concentration Ammonia Capture. <i>Journal of the American Chemical Society</i> , 2024, 146, 627-634.	15.0	101
44	Multistate structures in a hydrogen-bonded polycatenation non-covalent organic framework with diverse resistive switching behaviors. <i>Nature Communications</i> , 2024, 15, .	13.7	5
45	Flexibleâ€robust MOFs/HOFs for challenging gas separations. <i>Coordination Chemistry Reviews</i> , 2024, 505, 215660.	23.1	95
46	Orthogonal Postsynthetic Copolymerization of Hydrogenâ€Bonded Organic Frameworks into a PolyHOF Membrane. <i>Angewandte Chemie - International Edition</i> , 2024, 63, .	14.4	37
47	Orthogonal Postsynthetic Copolymerization of Hydrogenâ€Bonded Organic Frameworks into a PolyHOF Membrane. <i>Angewandte Chemie</i> , 2024, 136, .	1.4	0
48	Multistate structures in a hydrogen-bonded polycatenation non-covalent organic framework with diverse resistive switching behaviors. <i>Nature Communications</i> , 2024, 15, .	13.7	18
49	Recent advances on metalâ€organic frameworks for deep purification of olefins. <i>Journal of Materials Chemistry A</i> , 2024, 12, 5563-5580.	9.3	41
50	Anionic Hydrogenâ€Bonded Frameworks Showing Tautomerism and Colorful Luminescence for the Ultrasensitive Detection of Acetone. <i>Angewandte Chemie</i> , 2024, 136, .	1.4	2
51	Anionic Hydrogenâ€Bonded Frameworks Showing Tautomerism and Colorful Luminescence for the Ultrasensitive Detection of Acetone. <i>Angewandte Chemie - International Edition</i> , 2024, 63, .	14.4	27
52	Hydrogen-bonded organic frameworks for membrane separation. <i>Chemical Society Reviews</i> , 2024, 53, 2738-2760.	37.7	123
53	Switchable Anisotropic/Isotropic Photon Transport in a Doubleâ€Dipole Metalâ€Organic Framework via Radicalâ€Controlled Energy Transfer. <i>Advanced Materials</i> , 2024, 36, .	24.5	23
54	Subtle Structural Variations within Solvent-Free Dâ€A-Type Organic Crystals for Tuning Emission Wavelength up to 47 nm Shift. <i>Crystal Growth and Design</i> , 2024, 24, 1969-1976.	3.4	2

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55	Stimulus-responsive hydrogen-bonded organic frameworks: Construction strategies, research progress and applications. <i>Coordination Chemistry Reviews</i> , 2024, 507, 215760.	23.1	65
56	A Microporous Titanium Metal-Organic Framework with Double Nanotraps for Record CH <sub>4</sub> /N <sub>2</sub> Separation. <i>Chemistry of Materials</i> , 2024, 36, 2925-2932.	6.7	21
57	A novel hydrophobic carborane-hybrid microporous material for reversed C <sub>2</sub> H <sub>6</sub> adsorption and efficient C <sub>2</sub> H <sub>4</sub> /C <sub>2</sub> H <sub>6</sub> separation under humid conditions. <i>Chemical Science</i> , 2024, 15, 5653-5659.	7.1	37
58	Supramolecular Entanglement in a Hydrogen-Bonded Organic Framework Enables Flexible Robust Porosity for Highly Efficient Purification of Natural Gas. <i>Angewandte Chemie - International Edition</i> , 2024, 63, .	14.4	65
59	Supramolecular Entanglement in a Hydrogen-Bonded Organic Framework Enables Flexible Robust Porosity for Highly Efficient Purification of Natural Gas. <i>Angewandte Chemie</i> , 2024, 136, .	1.4	3
60	Hydrogen-Bonded Organic Frameworks as an Appealing Platform for Luminescent Sensing. <i>Advanced Functional Materials</i> , 2024, 34, .	17.0	50
61	Reticular syntheses of hydrogen-bonded organic frameworks based on pyrazole tetramers with tunable electrostatic potential for enhanced C <sub>2</sub> H <sub>2</sub> /CO <sub>2</sub> separation. <i>Separation and Purification Technology</i> , 2024, 351, 128066.	8.8	10
62	Reverse Separation of Carbon Dioxide and Acetylene in Two Isostructural Copper Pyridine-Carboxylate Frameworks. <i>Angewandte Chemie</i> , 2024, 136, .	1.4	3
63	Reverse Separation of Carbon Dioxide and Acetylene in Two Isostructural Copper Pyridine-Carboxylate Frameworks. <i>Angewandte Chemie - International Edition</i> , 2024, 63, .	14.4	35
64	Metal-Organic Framework with Space-Partition Pores by Fluorinated Anions for Benchmark C <sub>2</sub> H <sub>2</sub> /CO <sub>2</sub> Separation. <i>Journal of the American Chemical Society</i> , 2024, 146, 17220-17229.	15.0	98
65	Self-Healing B-N-Based Hydrogen-Bonded Organic Framework for Exclusive Recognition and Separation of Toluene from Methyl-Cyclohexane. <i>Journal of the American Chemical Society</i> , 2024, 146, 19425-19433.	15.0	32
66	Kinetic sieving separation of a gating macrocyclic crystal for purification of propylene. <i>Chem</i> , 2024, 10, 3148-3158.	16.6	16
67	Nanoscale Metal-Organic Frameworks as a Photoluminescent Platform for Bioimaging and Biosensing Applications. <i>Small</i> , 2024, 20, .	11.5	27
68	Hierarchically Micro-, Meso-, and Macro-Porous MOF Nanosystems for Localized Cross-Scale Dual-Biomolecule Loading and Guest-Carrier Cooperative Anticancer Therapy. <i>ACS Nano</i> , 2024, 18, 21911-21924.	15.3	64
69	Construction of Highly Porous and Robust Hydrogen-Bonded Organic Framework for High-Capacity Clean Energy Gas Storage. <i>Angewandte Chemie - International Edition</i> , 2024, 63, .	14.4	24
70	Construction of Highly Porous and Robust Hydrogen-Bonded Organic Framework for High-Capacity Clean Energy Gas Storage. <i>Angewandte Chemie</i> , 2024, 136, .	1.4	0
71	An Acid-Responsive Fluorescent Molecule for Erasable Anti-Counterfeiting. <i>Molecules</i> , 2024, 29, 4335.	4.2	3
72	A tetranuclear-cluster-based MOF with a low-polarity pore environment for efficient C <sub>2</sub> H <sub>2</sub> /C <sub>2</sub> H <sub>4</sub> separation. <i>Chem</i> , 2024, 10, 3148-3158.	6.3	9

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73	Enhancing ethanol/water separation in UTSA-280 by a pore engineering strategy. <i>Chemical Engineering Journal</i> , 2024, 501, 157653.	12.0	2
74	A stable HOF-embedded alginate hydrogel membrane for selective adsorption of cationic dyes. <i>Chemical Communications</i> , 2024, 60, 14660-14663.	3.4	5
75	Fine Tuning the Pore Surface in Zirconium Metal-Organic Frameworks for Selective Ethane/Ethylene Separation. , 2023, 1, 334-340.		3
76	Hierarchically Porous Metal-Organic Frameworks: Synthetic Strategies and Applications. <i>Small Structures</i> , 2023, 4, .	11.0	109
77	Reticular Synthesis of One-Dimensional Covalent Organic Frameworks with 4-fold Topology for Enhanced Fluorescence Emission. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	14.4	72
78	Reticular Synthesis of One-Dimensional Covalent Organic Frameworks with 4-fold Topology for Enhanced Fluorescence Emission. <i>Angewandte Chemie</i> , 2023, 135, .	1.4	8
79	A crystalline and stable microporous framework based on the dative B-N bonds. <i>CheM</i> , 2023, 9, 242-252.	16.6	48
80	Promotion of methane storage capacity with metal-organic frameworks of high porosity. <i>Inorganic Chemistry Frontiers</i> , 2023, 10, 454-459.	6.3	28
81	Remarkably Selective Propylene-Propane Separation Using a Copper Scorpionate. <i>Small</i> , 2023, 19, .	11.5	8
82	Optimized Sieving Effect for Ethanol/Water Separation by Ultramicroporous MOFs. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	14.4	59
83	Optimized Sieving Effect for Ethanol/Water Separation by Ultramicroporous MOFs. <i>Angewandte Chemie</i> , 2023, 135, .	1.4	1
84	Optimal Binding Affinity for Sieving Separation of Propylene from Propane in an Oxyfluoride Anion-Based Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , 2023, 145, 2386-2394.	15.0	101
85	Programmed Polarizability Engineering in a Cyclen-Based Cubic Zr(IV) Metal-Organic Framework to Boost Xe/Kr Separation. <i>Journal of the American Chemical Society</i> , 2023, 145, 2679-2689.	15.0	77
86	Dye-embedded NanoMOF as a turn-on fluorescent sensor for selective and sensitive detection of hydrogen sulfide. <i>Microporous and Mesoporous Materials</i> , 2023, 356, 112594.	4.6	13
87	Ratiometric fluorescent sensor for sensitive detection of 3-methoxytyramine based on hydrogen-bonded organic framework. <i>Journal of Solid State Chemistry</i> , 2023, 323, 124036.	3.3	8
88	Scalable Green Synthesis of Robust Ultra-Microporous Hofmann Clathrate Material with Record C <sub>3</sub> H <sub>6</sub> Storage Density for Efficient C <sub>3</sub> H <sub>6</sub> /C <sub>3</sub> H <sub>8</sub> Separation. <i>Angewandte Chemie</i> , 2023, 135, .	1.4	1
89	Scalable Green Synthesis of Robust Ultra-Microporous Hofmann Clathrate Material with Record C <sub>3</sub> H <sub>6</sub> Storage Density for Efficient C <sub>3</sub> H <sub>6</sub> /C <sub>3</sub> H <sub>8</sub> Separation. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	14.4	80
90	Tetranuclear CuII Cluster as the Ten Node Building Unit for the Construction of a Metal-Organic Framework for Efficient C <sub>2</sub> H <sub>2</sub> /CO <sub>2</sub> Separation. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	14.4	61

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91	Tetranuclear CuII Cluster as the Ten Node Building Unit for the Construction of a Metal-Organic Framework for Efficient C2H2/CO2 Separation. <i>Angewandte Chemie</i> , 2023, 135, .	1.4	1
92	A zirconium-based microporous metal-organic framework for molecular sieving CO2 separation. <i>CrystEngComm</i> , 2023, 25, 1643-1647.	2.4	8
93	Robust microporous hydrogen-bonded organic framework for highly selective purification of methane from natural gas. <i>Microporous and Mesoporous Materials</i> , 2023, 352, 112495.	4.6	53
94	Pressure Engineering Toward Harvesting the Bright Deep-Blue Light Emission in Yb-based Metal-Organic Frameworks. <i>Advanced Functional Materials</i> , 2023, 33, .	17.0	29
95	Probing sub-5 Å...ngstrom micropores in carbon for precise light olefin/paraffin separation. <i>Nature Communications</i> , 2023, 14, .	13.7	82
96	A Microporous Metal-Organic Framework with Unique Aromatic Pore Surfaces for High Performance C2H6/C2H4 Separation. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	14.4	146
97	A Microporous Metal-Organic Framework with Unique Aromatic Pore Surfaces for High Performance C2H6/C2H4 Separation. <i>Angewandte Chemie</i> , 2023, 135, .	1.4	6
98	A Multimodal Ratiometric Luminescent Thermometer Based on a Single-Dysprosium Metal-Organic Framework. <i>Inorganic Chemistry</i> , 2023, 62, 5652-5659.	4.6	22
99	A microporous water stable MOF for consistent and selective C2H2/C2H4 separation. <i>Separation and Purification Technology</i> , 2023, 320, 124208.	8.8	23
100	Mesoporous Mixed-Metal-Organic Framework Incorporating a [Ru(Phen)3]2+ Photosensitizer for Highly Efficient Aerobic Photocatalytic Oxidative Coupling of Amines. <i>ACS Applied Materials &amp; Interfaces</i> , 2023, 15, 30320-30331.	8.0	28
101	Photo Responsive Electron and Proton Conductivity within a Hydrogen-Bonded Organic Framework. <i>Angewandte Chemie</i> , 2023, 135, .	1.4	2
102	Photo Responsive Electron and Proton Conductivity within a Hydrogen-Bonded Organic Framework. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	14.4	71
103	Microporous metal-organic framework materials for efficient capture and separation of greenhouse gases. <i>Science China Chemistry</i> , 2023, 66, 2181-2203.	8.3	49
104	Topological Design of Unprecedented Metal-Organic Frameworks Featuring Multiple Anion Functionalities and Hierarchical Porosity for Benchmark Acetylene Separation. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	14.4	87
105	Pore engineering in cost-effective and stable Al-MOFs for efficient capture of the greenhouse gas SF6. <i>Chemical Engineering Journal</i> , 2023, 471, 144851.	12.0	51
106	Ratiometric fluorescence temperature sensing based on thermal coupling energy levels of a single-lanthanide dysprosium MOF. <i>Journal of Luminescence</i> , 2023, 263, 120070.	3.5	11
107	Pore Modulation of Hydrogen-Bonded Organic Frameworks for Efficient Separation of Propylene. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	14.4	106
108	Pore Modulation of Hydrogen-Bonded Organic Frameworks for Efficient Separation of Propylene. <i>Angewandte Chemie</i> , 2023, 135, .	1.4	9

#	ARTICLE	IF	CITATIONS
109	Programmed fluorine binding engineering in anion-pillared metal-organic framework for record trace acetylene capture from ethylene. <i>Science Advances</i> , 2023, 9, .	10.9	86
110	Hydrogen-bonded organic framework with tailored pores prepared by enlarging the core size for high-performance Xe/Kr separation. <i>Journal of Materials Chemistry A</i> , 2023, 11, 21857-21863.	9.3	44
111	Linkage conversions in single-crystalline covalent organic frameworks. <i>Nature Chemistry</i> , 2023, 16, 114-121.	18.8	191
112	A Solution-processable Porphyrin-Based Hydrogen-Bonded Organic Framework for Photoelectrochemical Sensing of Carbon Dioxide. <i>Angewandte Chemie</i> , 2023, 135, .	1.4	4
113	A Solution-processable Porphyrin-Based Hydrogen-Bonded Organic Framework for Photoelectrochemical Sensing of Carbon Dioxide. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	14.4	52
114	Dual-Emitting Mixed-Lanthanide Metal-Organic Framework for Ratiometric and Quantitative Visual Detection of 2,6-Pyridine Dicarboxylic Acid. <i>Inorganic Chemistry</i> , 2023, 62, 14439-14447.	4.6	40
115	A B <sup>3+</sup> N framework based on 1D dative B <sup>3+</sup> N polymers for exclusive recognition and separation of benzene from its azeotrope. <i>CheM</i> , 2023, 9, 3532-3543.	16.6	51
116	A porous hydrogen-bonded organic framework for sensitive and highly selective fluorescence sensing of carcinoid biomarkers. <i>Microporous and Mesoporous Materials</i> , 2023, 361, 112759.	4.6	17
117	Hydrogen-Bonded Organic Framework to Upgrade Cycling Stability and Rate Capability of Li-CO <sub>2</sub> Batteries. <i>Angewandte Chemie</i> , 2023, 135, .	1.4	5
118	Hydrogen-Bonded Organic Framework to Upgrade Cycling Stability and Rate Capability of Li-CO <sub>2</sub> Batteries. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	14.4	61
119	A Microporous Hydrogen Bonded Organic Framework for Highly Selective Separation of Carbon Dioxide over Acetylene. <i>Angewandte Chemie</i> , 2023, 135, .	1.4	0
120	A Microporous Hydrogen Bonded Organic Framework for Highly Selective Separation of Carbon Dioxide over Acetylene. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	14.4	70
121	Multivariate Hydrogen-Bonded Organic Frameworks with Tunable Permanent Porosities for Capture of a Mustard Gas Simulant. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	14.4	54
122	Construction of Negative Electrostatic Pore Environments in a Scalable, Stable and Low-Cost Metal-Organic Framework for One-Step Ethylene Purification from Ternary Mixtures. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	14.4	97
123	Construction of Negative Electrostatic Pore Environments in a Scalable, Stable and Low-Cost Metal-Organic Framework for One-Step Ethylene Purification from Ternary Mixtures. <i>Angewandte Chemie</i> , 2023, 135, .	1.4	7
124	Multivariate Hydrogen-Bonded Organic Frameworks with Tunable Permanent Porosities for Capture of a Mustard Gas Simulant. <i>Angewandte Chemie</i> , 2023, 135, .	1.4	3
125	A Microporous Hydrogen-Bonded Organic Framework Based on Hydrogen-Bonding Tetramers for Efficient Xe/Kr Separation. <i>Angewandte Chemie</i> , 2023, 135, .	1.4	3
126	A Microporous Hydrogen-Bonded Organic Framework Based on Hydrogen-Bonding Tetramers for Efficient Xe/Kr Separation. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	14.4	69

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127	Maximizing Electroactive Sites in a Three-Dimensional Covalent Organic Framework for Significantly Improved Carbon Dioxide Reduction Electrocatalysis. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	14.4	140
128	Maximizing Electroactive Sites in a Three-Dimensional Covalent Organic Framework for Significantly Improved Carbon Dioxide Reduction Electrocatalysis. <i>Angewandte Chemie</i> , 2022, 134, .	1.4	36
129	Efficient Separation of Propylene from Propane in an Ultramicroporous Cyanide-Based Compound with Open Metal Sites. <i>Small Structures</i> , 2022, 3, .	11.0	28
130	Old Materials for New Functions: Recent Progress on Metal Cyanide Based Porous Materials. <i>Advanced Science</i> , 2022, 9, .	12.6	50
131	An Adaptive Hydrogen-Bonded Organic Framework for the Exclusive Recognition of p-Xylene. <i>Chemistry - A European Journal</i> , 2022, 28, .	3.4	40
132	Collaborative pore partition and pore surface fluorination within a metal-organic framework for high-performance C <sub>2</sub> H <sub>2</sub> /CO <sub>2</sub> separation. <i>Chemical Engineering Journal</i> , 2022, 432, 134433.	12.0	81
133	Maximizing acetylene packing density for highly efficient C <sub>2</sub> H <sub>2</sub> /CO <sub>2</sub> separation through immobilization of amine sites within a prototype MOF. <i>Chemical Engineering Journal</i> , 2022, 431, 134184.	12.0	90
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268	Exploration of porous metal-organic frameworks for gas separation and purification. <i>Coordination Chemistry Reviews</i> , 2019, 378, 87-103.	23.1	671
269	A Metal-Organic Framework with Optimized Porosity and Functional Sites for High Gravimetric and Volumetric Methane Storage Working Capacities. <i>Advanced Materials</i> , 2018, 30, .	24.5	130
270	Controlling Pore Shape and Size of Interpenetrated Anion-Pillared Ultramicroporous Materials Enables Molecular Sieving of CO <sub>2</sub> Combined with Ultrahigh Uptake Capacity. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 16628-16635.	8.0	100

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272	A Single-Molecule Propyne Trap: Highly Efficient Removal of Propyne from Propylene with Anion-Pillared Ultramicroporous Materials. <i>Advanced Materials</i> , 2018, 30, .	24.5	164
273	A microporous metal-organic framework with commensurate adsorption and highly selective separation of xenon. <i>Journal of Materials Chemistry A</i> , 2018, 6, 4752-4758.	9.3	120
274	Fine Tuning and Specific Binding Sites with a Porous Hydrogen-Bonded Metal-Complex Framework for Gas Selective Separations. <i>Journal of the American Chemical Society</i> , 2018, 140, 4596-4603.	15.0	246
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276	Porous metal-organic frameworks for fuel storage. <i>Coordination Chemistry Reviews</i> , 2018, 373, 167-198.	23.1	246
277	A DNA-Threaded ZIF-8 Membrane with High Proton Conductivity and Low Methanol Permeability. <i>Advanced Materials</i> , 2018, 30, .	24.5	177
278	Separation of C <sub>2</sub> hydrocarbons from methane in a microporous metal-organic framework. <i>Journal of Solid State Chemistry</i> , 2018, 258, 346-350.	3.3	54
279	MIL-100Cr with open Cr sites for a record N <sub>2</sub> /O capture. <i>Chemical Communications</i> , 2018, 54, 14061-14064.	3.4	51
280	Reticular Chemistry of Multifunctional Metal-Organic Framework Materials. <i>Israel Journal of Chemistry</i> , 2018, 58, 949-961.	2.0	30
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284	Molecular Sieving of Ethane from Ethylene through the Molecular Cross-Section Size Differentiation in Gallate-based Metal-Organic Frameworks. <i>Angewandte Chemie</i> , 2018, 130, 16252-16257.	1.4	94
285	Molecular Sieving of Ethane from Ethylene through the Molecular Cross-Section Size Differentiation in Gallate-based Metal-Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 16020-16025.	14.4	282
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290	Holographic fabrication of graded photonic super-quasi-crystals with multiple-level gradients. <i>Applied Optics</i> , 2018, 57, 6598.	1.5	27
291	UiO-66-Coated Mesh Membrane with Underwater Superoleophobicity for High-Efficiency Oil/Water Separation. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 17301-17308.	8.0	150
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301	A microporous hydrogen-bonded organic framework with amine sites for selective recognition of small molecules. <i>Journal of Materials Chemistry A</i> , 2017, 5, 8292-8296.	9.3	100
302	An amino-coordination metal-organic framework for highly selective C <sub>2</sub> H <sub>2</sub> /CH <sub>4</sub> and C <sub>2</sub> H <sub>2</sub> /C <sub>2</sub> H <sub>4</sub> separations through the appropriate control of window sizes. <i>RSC Advances</i> , 2017, 7, 20795-20800.	4.4	24
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309	Flexible "Robust Metal-Organic Framework for Efficient Removal of Propyne from Propylene. <i>Journal of the American Chemical Society</i> , 2017, 139, 7733-7736.	15.0	284
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316	Two solvent-induced porous hydrogen-bonded organic frameworks: solvent effects on structures and functionalities. <i>Chemical Communications</i> , 2017, 53, 11150-11153.	3.4	125
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319	Fine Tuning of MOF-505 Analogues To Reduce Low-Pressure Methane Uptake and Enhance Methane Working Capacity. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 11426-11430.	14.4	141
320	A novel Zn-based heterocycle metal-organic framework for high C <sub>2</sub> H <sub>2</sub> /C <sub>2</sub> H <sub>4</sub> , CO <sub>2</sub> /CH <sub>4</sub> and CO <sub>2</sub> /N <sub>2</sub> separations. <i>Journal of Solid State Chemistry</i> , 2017, 255, 102-107.	3.3	23
321	An Ideal Molecular Sieve for Acetylene Removal from Ethylene with Record Selectivity and Productivity. <i>Advanced Materials</i> , 2017, 29, .	24.5	386
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340	Turn-on and Ratiometric Luminescent Sensing of Hydrogen Sulfide Based on Metal-Organic Frameworks. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 32259-32265.	8.0	238
341	A highly stable amino-coordinated MOF for unprecedented block off N <sub>2</sub> adsorption and extraordinary CO <sub>2</sub> /N <sub>2</sub> separation. <i>Chemical Communications</i> , 2016, 52, 13568-13571.	3.4	37
342	Doubly Interpenetrated Metal-Organic Framework 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> Separation at Room Temperature. <i>Crystal Growth and Design</i> , 2016, 16, 7194-7197.	3.4	89

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354	Syntheses and Crystal Structures of Three Metal-Organic Frameworks Constructed from a C <sub>3</sub> -Symmetrical Tricarboxylic Acid. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2015, 641, 1571-1574.	0.9	0
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373	A microporous metal-organic framework with polarized trifluoromethyl groups for high methane storage. <i>Chemical Communications</i> , 2015, 51, 14789-14792.	3.4	41
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385	A Homochiral Microporous Hydrogen-Bonded Organic Framework for Highly Enantioselective Separation of Secondary Alcohols. <i>Journal of the American Chemical Society</i> , 2014, 136, 547-549.	15.0	344
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387	A two dimensional microporous metal-organic framework for selective gas separation. <i>Inorganic Chemistry Communication</i> , 2014, 50, 106-109.	4.8	11
388	A new MOF-5 homologue for selective separation of methane from C <sub>2</sub> hydrocarbons at room temperature. <i>APL Materials</i> , 2014, 2, .	3.6	36
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395	Porous anatase TiO <sub>2</sub> constructed from a metal-organic framework for advanced lithium-ion battery anodes. <i>Journal of Materials Chemistry A</i> , 2014, 2, 12571.	9.3	162
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399	A porous metal-organic framework with -COOH groups for highly efficient pollutant removal. <i>Chemical Communications</i> , 2014, 50, 14455-14458.	3.4	163
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401	Highly selective sieving of small gas molecules by using an ultra-microporous metal-organic framework membrane. <i>Energy and Environmental Science</i> , 2014, 7, 4053-4060.	30.8	150
402	Solvent Dependent Structures of Hydrogen-Bonded Organic Frameworks of 2,6-Diaminopurine. <i>Crystal Growth and Design</i> , 2014, 14, 3634-3638.	3.4	31
403	A Porous Metal-Organic Framework with Dynamic Pyrimidine Groups Exhibiting Record High Methane Storage Working Capacity. <i>Journal of the American Chemical Society</i> , 2014, 136, 6207-6210.	15.0	335
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405	Two structurally different praseodymium-organic frameworks with permanent porosity. <i>Inorganic Chemistry Communication</i> , 2014, 45, 89-92.	4.8	1
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407	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> , 2013, 6, 2735.	30.8	207
408	A Metal-Organic Framework with Open Metal Sites for Enhanced Confinement of Sulfur and Lithium-Sulfur Battery of Long Cycling Life. <i>Crystal Growth and Design</i> , 2013, 13, 5116-5120.	3.4	141
409	A mesoporous lanthanide-organic framework constructed from a dendritic hexacarboxylate with cages of 2.4 nm. <i>CrystEngComm</i> , 2013, 15, 9328.	2.4	38
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420	A microporous metal-organic framework of a rare sty topology for high CH <sub>4</sub> storage at room temperature. <i>Chemical Communications</i> , 2013, 49, 2043.	3.4	61
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422	Metal-Organic Framework with Functional Amide Groups for Highly Selective Gas Separation. <i>Crystal Growth and Design</i> , 2013, 13, 2670-2674.	3.4	68
423	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> , 2013, 49, 6719.	3.4	162
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427	A luminescent nanoscale metal-organic framework with controllable morphologies for spore detection. <i>Chemical Communications</i> , 2012, 48, 7377.	3.4	151
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459	A Metal-Organic Framework with Optimized Open Metal Sites and Pore Spaces for High Methane Storage at Room Temperature. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 3178-3181.	14.4	359
460	Functional Mixed Metal-Organic Frameworks with Metalloligands. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 10510-10520.	14.4	414
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463	Open Metal Sites within Isostructural Metal-Organic Frameworks for Differential Recognition of Acetylene and Extraordinarily High Acetylene Storage Capacity at Room Temperature. <i>Angewandte Chemie</i> , 2010, 122, 4719-4722.	1.4	79
464	Open Metal Sites within Isostructural Metal-Organic Frameworks for Differential Recognition of Acetylene and Extraordinarily High Acetylene Storage Capacity at Room Temperature. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 4615-4618.	14.4	366
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541	Thermodynamic and Kinetic Separation Within a Flexible Hydrogen Bonded Organic Framework for Ternary Benzene/Cyclohexene/Cyclohexane Mixture. <i>Angewandte Chemie</i> , 0, 138, .	1.4	0
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544	2 H 2 Metal Node Guided Pore Engineering in Carborane-Based MOFs for Efficient C	1.4	0
545	2 H 2 CO 2	14.4	0