

Wei Zhou

List of Publications by Year in descending order

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all docs

292
docs citations

292
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32257
citing authors

#	ARTICLE	IF	CITATIONS
1	Linkage conversions in single-crystalline covalent organic frameworks. <i>Nature Chemistry</i> , 2024, 16, 114-121.	14.3	39
2	Hetero-bimetallic paddlewheel complexes for enhanced CO ₂ reduction selectivity in MOFs: a first principles study. <i>Physical Chemistry Chemical Physics</i> , 2024, 26, 7627-7637.	2.9	1
3	Financial incentives overcome ego-depletion effect in the waste separation task. <i>Current Psychology</i> , 2024, 43, 19928-19938.	2.9	0
4	Sulfur substitution in Fe-MOF-74: implications for electrocatalytic CO ₂ and CO reduction from an <i>ab initio</i> perspective. <i>Catalysis Science and Technology</i> , 2024, 14, 2541-2548.	4.2	0
5	Water-enhanced CO ₂ capture with molecular salt sodium guanidinate. <i>Journal of Materials Chemistry A</i> , 2024, 12, 16748-16759.	10.5	0
6	Promotion of methane storage capacity with metal-organic frameworks of high porosity. <i>Inorganic Chemistry Frontiers</i> , 2023, 10, 454-459.	6.0	13
7	Flexing of a Metal-Organic Framework upon Hydrocarbon Adsorption: Atomic Level Insights from Neutron Scattering. <i>Chemistry of Materials</i> , 2023, 35, 1387-1394.	7.1	6
8	Thermal Polymorphism in CsCB11H12. <i>Molecules</i> , 2023, 28, 2296.	3.9	1
9	Electrically Conductive π - π Intercalated Graphitic Metal-Organic Framework Containing Alternate π -Donor/Acceptor Stacks. <i>Angewandte Chemie</i> , 2023, 135, .	2.1	0
10	Electrically Conductive π - π Intercalated Graphitic Metal-Organic Framework Containing Alternate π -Donor/Acceptor Stacks. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	14.8	5
11	Adaptive Pore Opening to Form Tailored Adsorption Sites in a Cooperatively Flexible Framework Enables Record Inverse Propane/Propylene Separation. <i>Journal of the American Chemical Society</i> , 2023, 145, 21955-21965.	14.6	7
12	Incorporation of multiple supramolecular binding sites into a robust MOF for benchmark one-step ethylene purification. <i>Nature Communications</i> , 2023, 14, .	13.2	28
13	Catalyst Engineering for the Selective Reduction of CO ₂ to CH ₄ : A First-Principles Study on MOF-74 (X=Mg, Mn, Fe, Co, Ni, Cu, Zn). <i>ChemPhysChem</i> , 2023, 24, .	2.3	2
14	Observation of Interpenetrated Topology Isomerism for Covalent Organic Frameworks with Atom-Resolution Single Crystal Structures. <i>Journal of the American Chemical Society</i> , 2023, 145, 25332-25340.	14.6	11
15	Investigating the non-classical M-H ₂ bonding in OsClH ₃ (PPh ₃) ₃ . <i>Journal of Alloys and Compounds</i> , 2022, 894, 162445.	5.7	1
16	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, .	14.8	95
17	Maximizing Electroactive Sites in a Three-Dimensional Covalent Organic Framework for Significantly Improved Carbon Dioxide Reduction Electrocatalysis. <i>Angewandte Chemie</i> , 2022, 134, .	2.1	32
18	A novel lanthanide metal-organic frameworks: Multi-responsive luminescent sensor for detecting organic compounds and pesticides. <i>Journal of Solid State Chemistry</i> , 2022, 306, 122723.	3.0	1

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19	Hydrogen-Bonded Metal-Nucleobase Frameworks for Efficient Separation of Xenon and Krypton. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	14.8	46
20	An Adaptive Hydrogen-Bonded Organic Framework for the Exclusive Recognition of <i>p</i> -Xylene. <i>Chemistry - A European Journal</i> , 2022, 28, .	3.9	29
21	Hydrogen-Bonded Metal-Nucleobase Frameworks for Efficient Separation of Xenon and Krypton. <i>Angewandte Chemie</i> , 2022, 134, .	2.1	6
22	Maximizing acetylene packing density for highly efficient C ₂ H ₂ /CO ₂ separation through immobilization of amine sites within a prototype MOF. <i>Chemical Engineering Journal</i> , 2022, 431, 134184.	13.0	56
23	Immobilization of Lewis Basic Sites into a Stable Ethane-Selective MOF Enabling One-Step Separation of Ethylene from a Ternary Mixture. <i>Journal of the American Chemical Society</i> , 2022, 144, 2614-2623.	14.6	155
24	Photoresponsive Covalent Organic Frameworks with Diarylethene Switch for Tunable Singlet Oxygen Generation. <i>Chemistry of Materials</i> , 2022, 34, 1956-1964.	7.1	41
25	Solvent-Dependent Self-Assembly of Hydrogen-Bonded Organic Porphyrinic Frameworks. <i>Crystal Growth and Design</i> , 2022, 22, 3808-3814.	3.2	6
26	A microporous aluminum-based metal-organic framework for high methane, hydrogen, and carbon dioxide storage. <i>Nano Research</i> , 2021, 14, 507-511.	10.6	63
27	Effects of intervalence charge transfer interaction between π -stacked mixed valent tetrathiafulvalene ligands on the electrical conductivity of 3D metal-organic frameworks. <i>Chemical Science</i> , 2021, 12, 13379-13391.	7.8	22
28	A novel anion-pillared metal-organic framework for highly efficient separation of acetylene from ethylene and carbon dioxide. <i>Journal of Materials Chemistry A</i> , 2021, 9, 9248-9255.	10.5	61
29	Interplay between the Reorientational Dynamics of the B ₃ H ₈ ⁺ Anion and the Structure in KB ₃ H ₈ . <i>Journal of Physical Chemistry C</i> , 2021, 125, 3716-3724.	3.3	11
30	Electrostatically Driven Selective Adsorption of Carbon Dioxide over Acetylene in an Ultramicroporous Material. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 9604-9609.	14.8	85
31	A Rod-Packing Hydrogen-Bonded Organic Framework with Suitable Pore Confinement for Benchmark Ethane/Ethylene Separation. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 10304-10310.	14.8	124
32	Synthesis of Biogenic High-Magnesium Calcite and its Experimental Immobilization Effect on Cd ²⁺ . <i>Geomicrobiology Journal</i> , 2021, 38, 482-493.	1.9	5
33	Electrostatically Driven Selective Adsorption of Carbon Dioxide over Acetylene in an Ultramicroporous Material. <i>Angewandte Chemie</i> , 2021, 133, 9690-9695.	2.1	17
34	Robust Biological Hydrogen-Bonded Organic Framework with Post-Functionalized Rhenium(I) Sites for Efficient Heterogeneous Visible-Light-Driven CO ₂ Reduction. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 8983-8989.	14.8	95
35	A Rod-Packing Hydrogen-Bonded Organic Framework with Suitable Pore Confinement for Benchmark Ethane/Ethylene Separation. <i>Angewandte Chemie</i> , 2021, 133, 10392-10398.	2.1	30
36	Robust Biological Hydrogen-Bonded Organic Framework with Post-Functionalized Rhenium(I) Sites for Efficient Heterogeneous Visible-Light-Driven CO ₂ Reduction. <i>Angewandte Chemie</i> , 2021, 133, 9065-9071.	2.1	24

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37	Two-Dimensional Covalent Organic Frameworks with Cobalt(II)-Phthalocyanine Sites for Efficient Electrocatalytic Carbon Dioxide Reduction. <i>Journal of the American Chemical Society</i> , 2021, 143, 7104-7113.	14.6	238
38	A Microporous Hydrogen-Bonded Organic Framework for the Efficient Capture and Purification of Propylene. <i>Angewandte Chemie</i> , 2021, 133, 20563-20569.	2.1	20
39	A Microporous Hydrogen-Bonded Organic Framework for the Efficient Capture and Purification of Propylene. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 20400-20406.	14.8	150
40	Polymorphism of Calcium Decahydrido-closo-decaborate and Characterization of Its Hydrates. <i>Inorganic Chemistry</i> , 2021, 60, 10943-10957.	4.2	6
41	Neutron Scattering Investigations of the Global and Local Structures of Ammine Yttrium Borohydrides. <i>Journal of Physical Chemistry C</i> , 2021, 125, 15415-15423.	3.3	8
42	Fast Lithium Ionic Conductivity in Complex Hydride-Sulfide Electrolytes by Double Anions Substitution. <i>Small Methods</i> , 2021, 5, e2100609.	9.6	14
43	Developing Ideal Metalorganic Hydrides for Hydrogen Storage: From Theoretical Prediction to Rational Fabrication. , 2021, 3, 1417-1425.		17
44	Further revision of the mesh-web spider genus <i>Taira</i> Lehtinen, 1967 (Amaurobiidae), with the description of six new species. <i>Zootaxa</i> , 2021, 5020, 457-488.	0.6	0
45	A Solid Transformation into Carboxyl Dimers Based on a Robust Hydrogen-Bonded Organic Framework for Propyne/Propylene Separation. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 25942-25948.	14.8	83
46	A Solid Transformation into Carboxyl Dimers Based on a Robust Hydrogen-Bonded Organic Framework for Propyne/Propylene Separation. <i>Angewandte Chemie</i> , 2021, 133, 26146-26152.	2.1	15
47	Highly Selective Adsorption of Carbon Dioxide over Acetylene in an Ultramicroporous Metal-Organic Framework. <i>Advanced Materials</i> , 2021, 33, e2105880.	24.3	74
48	A microporous metal-organic framework with naphthalene diimide groups for high methane storage. <i>Dalton Transactions</i> , 2020, 49, 3658-3661.	3.4	34
49	Reversed ethane/ethylene adsorption in a metal-organic framework via introduction of oxygen. <i>Chinese Journal of Chemical Engineering</i> , 2020, 28, 593-597.	3.5	20
50	Mixed Metal-Organic Framework with Multiple Binding Sites for Efficient C ₂ H ₂ /CO ₂ Separation. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 4396-4400.	14.8	326
51	Engineering microporous ethane-trapping metal-organic frameworks for boosting ethane/ethylene separation. <i>Journal of Materials Chemistry A</i> , 2020, 8, 3613-3620.	10.5	134
52	Structural and reorientational dynamics of tetrahydroborate (BH ₄ ⁻) and tetrahydrofuran (THF) in a Mg(BH ₄) ₂ ·3THF adduct: neutron-scattering characterization. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 368-378.	2.9	7
53	Metallo-N-Heterocycles - A new family of hydrogen storage material. <i>Energy Storage Materials</i> , 2020, 26, 198-202.	18.4	23
54	Microporous Metal-Organic Framework Materials for Gas Separation. <i>CheM</i> , 2020, 6, 337-363.	12.2	602

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55	Selective Ethane/Ethylene Separation in a Robust Microporous Hydrogen-Bonded Organic Framework. <i>Journal of the American Chemical Society</i> , 2020, 142, 633-640.	14.6	206
56	Creation of Active Sites in MOF-808(Zr) by a Facile Route for Oxidative Desulfurization of Model Diesel Oil. <i>ChemistrySelect</i> , 2020, 5, 244-251.	1.6	33
57	Porous organic cages as synthetic water channels. <i>Nature Communications</i> , 2020, 11, 4927.	13.2	48
58	The Sex Ratio: A Biological and Statistical Conundrum. <i>Current Biology</i> , 2020, 30, R1261-R1263.	4.0	2
59	A novel expanded metal-organic framework for balancing volumetric and gravimetric methane storage working capacities. <i>Chemical Communications</i> , 2020, 56, 13117-13120.	4.2	9
60	Robust vision using retro reflective markers for remote handling in ITER. <i>Fusion Engineering and Design</i> , 2020, 161, 112080.	1.9	2
61	Structural and Dynamical Properties of Potassium Dodecahydro-monocarbonyl-dodecaborate: $K_{11}H_{12}$. <i>Journal of Physical Chemistry C</i> , 2020, 124, 17992-18002.	3.3	27
62	Electrically Conductive 3D Metal-Organic Framework Featuring π -Acidic Hexaazatriphenylene Hexacarbonitrile Ligands with Anion- π Interaction and Efficient Charge-Transport Capabilities. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 40613-40619.	8.3	18
63	Optimization of the Pore Structures of MOFs for Record High Hydrogen Volumetric Working Capacity. <i>Advanced Materials</i> , 2020, 32, e1907995.	24.3	135
64	Reversible Switching between Nonporous and Porous Phases of a New SIFSIX Coordination Network Induced by a Flexible Linker Ligand. <i>Journal of the American Chemical Society</i> , 2020, 142, 6896-6901.	14.6	59
65	Effect of humidity on TiO ₂ doped PVA capped CH ₃ COOK polymer films. <i>AIP Conference Proceedings</i> , 2020, , .	1.0	0
66	Structure and dynamics of ethane confined in silica nanopores in the presence of CO ₂ . <i>Journal of Chemical Physics</i> , 2020, 152, 084707.	3.1	14
67	Understanding Superionic Conductivity in Lithium and Sodium Salts of Weakly Coordinating $\text{Closo-}H\text{-Hexahalocarbaborate}$ Anions. <i>Chemistry of Materials</i> , 2020, 32, 1475-1487.	7.1	38
68	Mixed Metal-Organic Framework with Multiple Binding Sites for Efficient C_2H_2/CO_2 Separation. <i>Angewandte Chemie</i> , 2020, 132, 4426-4430.	2.1	46
69	Salen-Based Conjugated Microporous Polymers for Efficient Oxygen Evolution Reaction. <i>Chemistry - A European Journal</i> , 2020, 26, 7720-7726.	3.9	22
70	An Ultramicroporous Metal-Organic Framework for High Sieving Separation of Propylene from Propane. <i>Journal of the American Chemical Society</i> , 2020, 142, 17795-17801.	14.6	203
71	A calix[4]resorcinarene-based giant coordination cage: controlled assembly and iodine uptake. <i>Chemical Communications</i> , 2020, 56, 2491-2494.	4.2	29
72	A Flexible Microporous Hydrogen-Bonded Organic Framework. <i>Crystal Growth and Design</i> , 2019, 19, 5184-5188.	3.2	49

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73	Low-Temperature Rotational Tunneling of Tetrahydroborate Anions in Lithium Benzimidazolate-Borohydride $\text{Li}_2(\text{blm})\text{BH}_4$. <i>Journal of Physical Chemistry C</i> , 2019, 123, 20789-20799.	3.3	9
74	The effect of pore size and layer number of metal-organic porphyrin coordination nanosheets on sensing DNA. <i>Journal of Materials Chemistry C</i> , 2019, 7, 10240-10246.	5.6	29
75	Porous metal-organic frameworks for gas storage and separation: Status and challenges. <i>EnergyChem</i> , 2019, 1, 100006.	19.9	480
76	Enhanced Gas Uptake in a Microporous Metal-Organic Framework <i>via</i> a Sorbate Induced-Fit Mechanism. <i>Journal of the American Chemical Society</i> , 2019, 141, 17703-17712.	14.6	158
77	Inserting Amide into NOTT-101 to Sharply Enhance Volumetric and Gravimetric Methane Storage Working Capacity. <i>Inorganic Chemistry</i> , 2019, 58, 13782-13787.	4.2	11
78	Elucidating J-Aggregation Effect in Boosting Singlet-Oxygen Evolution Using Zirconium-Organic Frameworks: A Comprehensive Structural, Catalytic, and Spectroscopic Study. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 45118-45125.	8.3	31
79	Tailoring the pore geometry and chemistry in microporous metal-organic frameworks for high methane storage working capacity. <i>Chemical Communications</i> , 2019, 55, 11402-11405.	4.2	15
80	Multifunctional porous hydrogen-bonded organic framework materials. <i>Chemical Society Reviews</i> , 2019, 48, 1362-1389.	40.3	851
81	Our journey of developing multifunctional metal-organic frameworks. <i>Coordination Chemistry Reviews</i> , 2019, 384, 21-36.	19.6	133
82	A metal-organic framework with suitable pore size and dual functionalities for highly efficient post-combustion CO_2 capture. <i>Journal of Materials Chemistry A</i> , 2019, 7, 3128-3134.	10.5	137
83	Postsynthetic Metalation of a Robust Hydrogen-Bonded Organic Framework for Heterogeneous Catalysis. <i>Journal of the American Chemical Society</i> , 2019, 141, 8737-8740.	14.6	204
84	Potassium octahydridotriborate: diverse polymorphism in a potential hydrogen storage material and potassium ion conductor. <i>Dalton Transactions</i> , 2019, 48, 8872-8881.	3.4	34
85	Green and scalable synthesis of nitro- and amino-functionalized $\text{UiO-66}(\text{Zr})$ and the effect of functional groups on the oxidative desulfurization performance. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 1267-1274.	6.0	32
86	Tunable titanium metal-organic frameworks with infinite 1D Ti-O rods for efficient visible-light-driven photocatalytic H_2 evolution. <i>Journal of Materials Chemistry A</i> , 2019, 7, 11928-11933.	10.5	196
87	Pore Space Partition within a Metal-Organic Framework for Highly Efficient $\text{C}_2\text{H}_2/\text{CO}_2$ Separation. <i>Journal of the American Chemical Society</i> , 2019, 141, 4130-4136.	14.6	365
88	Stable Hierarchical Bimetal-Organic Nanostructures as HighPerformance Electrocatalysts for the Oxygen Evolution Reaction. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 4227-4231.	14.8	457
89	Microporous Metal-Organic Framework with Dual Functionalities for Efficient Separation of Acetylene from Light Hydrocarbon Mixtures. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 4897-4902.	6.9	71
90	Stable Hierarchical Bimetal-Organic Nanostructures as HighPerformance Electrocatalysts for the Oxygen Evolution Reaction. <i>Angewandte Chemie</i> , 2019, 131, 4271-4275.	2.1	36

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91	Exploration of porous metal-organic frameworks for gas separation and purification. <i>Coordination Chemistry Reviews</i> , 2019, 378, 87-103.	19.6	580
92	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, e1704792.	24.3	114
93	Controlling Pore Shape and Size of Interpenetrated Anion-Pillared Ultramicroporous Materials Enables Molecular Sieving of CO ₂ Combined with Ultrahigh Uptake Capacity. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 16628-16635.	8.3	81
94	A Single-Molecule Propyne Trap: Highly Efficient Removal of Propyne from Propylene with Anion-Pillared Ultramicroporous Materials. <i>Advanced Materials</i> , 2018, 30, 1705374.	24.3	144
95	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.	14.6	193
96	Current Status of Porous Metal-Organic Frameworks for Methane Storage. , 2018, , 163-198.		2
97	Fine-tuning of nano-traps in a stable metal-organic framework for highly efficient removal of propyne from propylene. <i>Journal of Materials Chemistry A</i> , 2018, 6, 6931-6937.	10.5	78
98	Porous metal-organic frameworks for fuel storage. <i>Coordination Chemistry Reviews</i> , 2018, 373, 167-198.	19.6	222
99	Li ₂ NH ₄ LiBH ₄ : a Complex Hydride with Near Ambient Hydrogen Adsorption and Fast Lithium Ion Conduction. <i>Chemistry - A European Journal</i> , 2018, 24, 1342-1347.	3.9	16
100	MIL-100Cr with open Cr sites for a record N ₂ O capture. <i>Chemical Communications</i> , 2018, 54, 14061-14064.	4.2	45
101	Reticular Chemistry of Multifunctional Metal-Organic Framework Materials. <i>Israel Journal of Chemistry</i> , 2018, 58, 949-961.	2.6	25
102	Nanospace within metal-organic frameworks for gas storage and separation. <i>Materials Today Nano</i> , 2018, 2, 21-49.	4.8	81
103	A Metal-Organic Framework with Suitable Pore Size and Specific Functional Sites for the Removal of Trace Propyne from Propylene. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 15183-15188.	14.8	137
104	A Metal-Organic Framework with Suitable Pore Size and Specific Functional Sites for the Removal of Trace Propyne from Propylene. <i>Angewandte Chemie</i> , 2018, 130, 15403-15408.	2.1	118
105	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.	2.1	75
106	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.	14.8	215
107	Molecular sieving of ethylene from ethane using a rigid metal-organic framework. <i>Nature Materials</i> , 2018, 17, 1128-1133.	26.6	570
108	Boosting Ethane/Ethylene Separation within Isorecticular Ultramicroporous Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2018, 140, 12940-12946.	14.6	325

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109	CH ₃ NH ₃ PbBr ₃ Perovskite Nanocrystals Encapsulated in Lanthanide Metal-Organic Frameworks as a Photoluminescence Converter for Anti-Counterfeiting. ACS Applied Materials & Interfaces, 2018, 10, 27875-27884.	8.3	159
110	New Progress of Microporous Metal-Organic Frameworks in CO ₂ Capture and Separation. , 2018, , 112-179.		1
111	Visualizing Structural Transformation and Guest Binding in a Flexible Metal-Organic Framework under High Pressure and Room Temperature. ACS Central Science, 2018, 4, 1194-1200.	12.3	49
112	Kinetic separation of propylene over propane in a microporous metal-organic framework. Chemical Engineering Journal, 2018, 354, 977-982.	13.0	114
113	Nature of Decahydro-closo-decaborate Anion Reorientations in an Ordered Alkali-Metal Salt: Rb ₂ B ₁₀ H ₁₀ . Journal of Physical Chemistry C, 2018, 122, 15198-15207.	3.3	9
114	Sc and Nb dopants in SrCoO ₃ modulate electronic and vacancy structures for improved water splitting and SOFC cathodes. Energy Storage Materials, 2017, 9, 229-234.	18.4	36
115	Recent Progress in Metal-Organic Frameworks for Applications in Electrocatalytic and Photocatalytic Water Splitting. Advanced Science, 2017, 4, 1600371.	12.4	634
116	Highly Enhanced Gas Uptake and Selectivity via Incorporating Methoxy Groups into a Microporous Metal-Organic Framework. Crystal Growth and Design, 2017, 17, 2172-2177.	3.2	28
117	A microporous hydrogen-bonded organic framework with amine sites for selective recognition of small molecules. Journal of Materials Chemistry A, 2017, 5, 8292-8296.	10.5	85
118	Transition and Alkali Metal Complex Ternary Amides for Ammonia Synthesis and Decomposition. Chemistry - A European Journal, 2017, 23, 9766-9771.	3.9	30
119	Versatile Assembly of Metal-Coordinated Calix[4]resorcinarene Cavities and Cages through Ancillary Linker Tuning. Journal of the American Chemical Society, 2017, 139, 7648-7656.	14.6	95
120	Ultrahigh and Selective SO ₂ Uptake in Inorganic Anion-Pillared Hybrid Porous Materials. Advanced Materials, 2017, 29, 1606929.	24.3	199
121	Optimized Separation of Acetylene from Carbon Dioxide and Ethylene in a Microporous Material. Journal of the American Chemical Society, 2017, 139, 8022-8028.	14.6	441
122	Flexible Robust Metal-Organic Framework for Efficient Removal of Propyne from Propylene. Journal of the American Chemical Society, 2017, 139, 7733-7736.	14.6	253
123	Na ₂ (B ₁₂ Cl ₁₂) ²⁻ , and B ₁₂ H ₁₂ ²⁻ to Na ⁺ in the Solid State: Crystal Structures and Thermal Behavior of Na ₂ (B ₁₂ F ₁₂), Na ₂ (H ₂ O) ₄ (B ₁₂ F ₁₂), Na ₂ (B ₁₂ Cl ₁₂), and Na ₂ (B ₁₂ F ₁₂) ₂ .	4.2	37
124	High-Pressure Methane Adsorption in Two Isoreticular Zr-Based Metal-Organic Frameworks Constructed from C ₃ -Symmetrical Tricarboxylates. Crystal Growth and Design, 2017, 17, 248-254.	3.2	6
125	A flexible metal-organic framework with a high density of sulfonic acid sites for proton conduction. Nature Energy, 2017, 2, 877-883.	29.7	592
126	Construction of ntt-Type Metal-Organic Framework from C ₂ -Symmetry Hexacarboxylate Linker for Enhanced Methane Storage. Crystal Growth and Design, 2017, 17, 4795-4800.	3.2	13

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127	Latent Porosity in Alkali-Metal M ₂ B ₁₂ F ₁₂ Salts: Structures and Rapid Room-Temperature Hydration/Dehydration Cycles. <i>Inorganic Chemistry</i> , 2017, 56, 12023-12041.	4.2	13
128	Two solvent-induced porous hydrogen-bonded organic frameworks: solvent effects on structures and functionalities. <i>Chemical Communications</i> , 2017, 53, 11150-11153.	4.2	100
129	Lowering Band Gap of an Electroactive Metal-Organic Framework via Complementary Guest Intercalation. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 32413-32417.	8.3	78
130	The Influence of Chomsky on the Neuroscience of Language. , 2017, , 155-174.		3
131	Efficient separation of ethylene from acetylene/ethylene mixtures by a flexible-robust metal-organic framework. <i>Journal of Materials Chemistry A</i> , 2017, 5, 18984-18988.	10.5	91
132	Fine Tuning of MOF-505 Analogues To Reduce Low-Pressure Methane Uptake and Enhance Methane Working Capacity. <i>Angewandte Chemie</i> , 2017, 129, 11584-11588.	2.1	34
133	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.	14.8	129
134	Order-Disorder Transitions and Superionic Conductivity in the Sodium Undeca(carba)borates. <i>Chemistry of Materials</i> , 2017, 29, 10496-10509.	7.1	57
135	An Ideal Molecular Sieve for Acetylene Removal from Ethylene with Record Selectivity and Productivity. <i>Advanced Materials</i> , 2017, 29, 1704210.	24.3	324
136	A metal-organic framework functionalized with piperazine exhibiting enhanced CH ₄ storage. <i>Journal of Materials Chemistry A</i> , 2017, 5, 349-354.	10.5	42
137	Extraordinary Separation of Acetylene-Containing Mixtures with Microporous Metal-Organic Frameworks with Open O Donor Sites and Tunable Robustness through Control of the Helical Chain Secondary Building Units. <i>Chemistry - A European Journal</i> , 2016, 22, 5676-5683.	3.9	114
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