

# Libo Li

## List of Publications by Year in descending order

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144  
papers

10,369  
citations

50244

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146  
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146  
docs citations

146  
times ranked

7612  
citing authors

#	ARTICLE	IF	CITATIONS
1	MXene molecular sieving membranes for highly efficient gas separation. <i>Nature Communications</i> , 2018, 9, 155.	5.8	825
2	Ethane/ethylene separation in a metal-organic framework with iron-peroxo sites. <i>Science</i> , 2018, 362, 443-446.	6.0	763
3	Molecular sieving of ethylene from ethane using a rigid metal-organic framework. <i>Nature Materials</i> , 2018, 17, 1128-1133.	13.3	532
4	Effective ion sieving with Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> MXene membranes for production of drinking water from seawater. <i>Nature Sustainability</i> , 2020, 3, 296-302.	11.5	468
5	Porous metal-organic frameworks for gas storage and separation: Status and challenges. <i>EnergyChem</i> , 2019, 1, 100006.	10.1	434
6	Optimized Separation of Acetylene from Carbon Dioxide and Ethylene in a Microporous Material. <i>Journal of the American Chemical Society</i> , 2017, 139, 8022-8028.	6.6	417
7	Boosting Ethane/Ethylene Separation within Isoreticular Ultramicroporous Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2018, 140, 12940-12946.	6.6	309
8	Nitrogen and sulfur co-doped carbon dots for highly selective and sensitive detection of Hg (â€¦) ions. <i>Biosensors and Bioelectronics</i> , 2015, 74, 263-269.	5.3	307
9	Water Transport with Ultralow Friction through Partially Exfoliated gâ€¦ <sub>3</sub> N <sub>4</sub> Nanosheet Membranes with Self-Supporting Spacers. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 8974-8980.	7.2	266
10	Flexible-Robust Metal-Organic Framework for Efficient Removal of Propyne from Propylene. <i>Journal of the American Chemical Society</i> , 2017, 139, 7733-7736.	6.6	242
11	Ethylene/ethane separation in a stable hydrogen-bonded organic framework through a gating mechanism. <i>Nature Chemistry</i> , 2021, 13, 933-939.	6.6	235
12	Paralyzed membrane: Current-driven synthesis of a metal-organic framework with sharpened propene/propane separation. <i>Science Advances</i> , 2018, 4, eaau1393.	4.7	234
13	A robust Th-azole framework for highly efficient purification of C <sub>2</sub> H <sub>4</sub> from a C <sub>2</sub> H <sub>4</sub> /C <sub>2</sub> H <sub>2</sub> /C <sub>2</sub> H <sub>6</sub> mixture. <i>Nature Communications</i> , 2020, 11, 3163.	5.8	192
14	Selective Ethane/Ethylene Separation in a Robust Microporous Hydrogen-Bonded Organic Framework. <i>Journal of the American Chemical Society</i> , 2020, 142, 633-640.	6.6	183
15	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.	6.6	152
16	Benchmark C <sub>2</sub> H <sub>2</sub> /CO <sub>2</sub> Separation in an Ultra-Microporous Metal-Organic Framework via Copper(I)-Alkynyl Chemistry. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 15995-16002.	7.2	148
17	A Microporous Hydrogen-Bonded Organic Framework for the Efficient Capture and Purification of Propylene. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 20400-20406.	7.2	132
18	Water-based routes for synthesis of metal-organic frameworks: A review. <i>Science China Materials</i> , 2020, 63, 667-685.	3.5	131

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19	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.	7.2	124
20	A metal-organic framework with suitable pore size and dual functionalities for highly efficient post-combustion CO <sub>2</sub> capture. <i>Journal of Materials Chemistry A</i> , 2019, 7, 3128-3134.	5.2	124
21	Adsorption of CO <sub>2</sub> , CH <sub>4</sub> , and N <sub>2</sub> on 8-, 10-, and 12-Membered Ring Hydrophobic Microporous High-Silica Zeolites: DDR, Silicalite-1, and Beta. <i>Industrial &amp; Engineering Chemistry Research</i> , 2013, 52, 17856-17864.	1.8	114
22	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.	11.1	109
23	Kinetic separation of propylene over propane in a microporous metal-organic framework. <i>Chemical Engineering Journal</i> , 2018, 354, 977-982.	6.6	108
24	Separation of CO <sub>2</sub> /CH <sub>4</sub> and CH <sub>4</sub> /N <sub>2</sub> mixtures by M/DOBDC: A detailed dynamic comparison with MIL-100(Cr) and activated carbon. <i>Microporous and Mesoporous Materials</i> , 2014, 198, 236-246.	2.2	105
25	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.	7.2	104
26	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.	1.6	98
27	Atomic Force Microscopy and Molecular Dynamics Simulations for Study of Lignin Solution Self-Assembly Mechanisms in Organic-Aqueous Solvent Mixtures. <i>ChemSusChem</i> , 2020, 13, 4420-4427.	3.6	97
28	Selective gas diffusion in two-dimensional MXene lamellar membranes: insights from molecular dynamics simulations. <i>Journal of Materials Chemistry A</i> , 2018, 6, 11734-11742.	5.2	96
29	Engineering New Defects in MIL-100(Fe) via a Mixed-Ligand Approach To Effect Enhanced Volatile Organic Compound Adsorption Capacity. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 774-782.	1.8	93
30	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.	5.2	88
31	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> , 2020, 3, 2911-2919.	2.4	88
32	Guest-dependent pressure induced gate-opening effect enables effective separation of propene and propane in a flexible MOF. <i>Chemical Engineering Journal</i> , 2018, 346, 489-496.	6.6	87
33	Boosting Ethylene/Ethane Separation within Copper(I)-Chelated Metal-Organic Frameworks through Tailor-Made Aperture and Specific $\pi$ -Complexation. <i>Advanced Science</i> , 2020, 7, 1901918.	5.6	86
34	Adsorption of CO <sub>2</sub> , CH <sub>4</sub> , and N <sub>2</sub> on Gas Diameter Grade Ion-Exchange Small Pore Zeolites. <i>Journal of Chemical &amp; Engineering Data</i> , 2012, 57, 3701-3709.	1.0	85
35	Exploiting the gate opening effect in a flexible MOF for selective adsorption of propyne from C <sub>1</sub> /C <sub>2</sub> /C <sub>3</sub> hydrocarbons. <i>Journal of Materials Chemistry A</i> , 2016, 4, 751-755.	5.2	81
36	Recent advances in the synthesis of monolithic metal-organic frameworks. <i>Science China Materials</i> , 2021, 64, 1305-1319.	3.5	77

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37	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.	5.2	74
38	Robust Microporous Metal-Organic Frameworks for Highly Efficient and Simultaneous Removal of Propyne and Propadiene from Propylene. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 10209-10214.	7.2	69
39	Efficient Purification of Ethylene from $C_2$ Hydrocarbons with an $C_2H_6/C_2H_2$ -Selective Metal-Organic Framework. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 962-969.	4.0	69
40	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.	3.2	65
41	Efficient separation of $C_2H_2$ from $C_2H_2/CO_2$ mixtures in an acid-base resistant metal-organic framework. <i>Chemical Communications</i> , 2018, 54, 4846-4849.	2.2	62
42	A novel electrochemiluminescence sensor based on $Ru^{2+}$ . <i>Analytica Chimica Acta</i> , 2015, 895, 104-111.	2.6	52
43	Simultaneous determination of ascorbic acid, dopamine and uric acid at a nitrogen-doped carbon nanofiber modified electrode. <i>RSC Advances</i> , 2015, 5, 11925-11932.	1.7	51
44	Molecular Understanding of the Penetration of Functionalized Gold Nanoparticles into Asymmetric Membranes. <i>Langmuir</i> , 2017, 33, 361-371.	1.6	51
45	Zeolite CAN and AFI-Type Zeolitic Imidazolate Frameworks with Large 12-Membered Ring Pore Openings Synthesized Using Bulky Amides as Structure-Directing Agents. <i>Journal of the American Chemical Society</i> , 2016, 138, 16232-16235.	6.6	50
46	Opportunities and critical factors of porous metal-organic frameworks for industrial light olefins separation. <i>Materials Chemistry Frontiers</i> , 2020, 4, 1954-1984.	3.2	48
47	Direct Electrochemistry of Glucose Oxidase on Novel Free-Standing Nitrogen-Doped Carbon Nanospheres@Carbon Nanofibers Composite Film. <i>Scientific Reports</i> , 2015, 5, 9885.	1.6	46
48	Reversing $C_2H_2$ - $CO_2$ adsorption selectivity in an ultramicroporous metal-organic framework platform. <i>Chemical Communications</i> , 2019, 55, 11354-11357.	2.2	46
49	Protein Translocation through a $MoS_2$ Nanopore: A Molecular Dynamics Study. <i>Journal of Physical Chemistry C</i> , 2018, 122, 2070-2080.	1.5	45
50	Solvent effect on xylose conversion under catalyst-free conditions: insights from molecular dynamics simulation and experiments. <i>Green Chemistry</i> , 2020, 22, 532-539.	4.6	43
51	Benchmark $C_2H_2/CO_2$ Separation in an Ultra-Microporous Metal-Organic Framework via Copper(I)-Alkynyl Chemistry. <i>Angewandte Chemie</i> , 2021, 133, 16131-16138.	1.6	43
52	Separation of $CO_2/CH_4$ and $CH_4/N_2$ mixtures using MOF-5 and $Cu_3(BTC)_2$ . <i>Journal of Energy Chemistry</i> , 2014, 23, 453-460.	7.1	42
53	Flexible Metal-Organic Frameworks with Discriminatory Gate-Opening Effect for the Separation of Acetylene from Ethylene/Acetylene Mixtures. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 4457-4462.	1.0	42
54	Computer simulations on the pH-sensitive tri-block copolymer containing zwitterionic sulfobetaine as a novel anti-cancer drug carrier. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 152, 260-268.	2.5	41

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55	Solvent effect on xylose-to-furfural reaction in biphasic systems: combined experiments with theoretical calculations. <i>Green Chemistry</i> , 2021, 23, 8510-8518.	4.6	41
56	Rational Construction and Performance Regulation of an In(III)-Tetraisophthalate Framework for One-Step Adsorption-Phase Purification of $C_2H_4$ from $C_2H_2$ Hydrocarbons. <i>Inorganic Chemistry</i> , 2021, 60, 10819-10829.	1.9	40
57	Ammonia capture and flexible transformation of M-2(INA) (M = Cu, Co, Ni, Cd) series materials. <i>Journal of Hazardous Materials</i> , 2016, 306, 340-347.	6.5	39
58	Adsorption and separation of propane/propylene on various ZIF-8 polymorphs: Insights from GCMC simulations and the ideal adsorbed solution theory (IAST). <i>Chemical Engineering Journal</i> , 2020, 386, 123945.	6.6	39
59	Surface Regulation Towards Stimuli-Responsive Luminescence of Ultrasmall Thiolated Gold Nanoparticles for Ratiometric Imaging. <i>Advanced Functional Materials</i> , 2019, 29, 1806945.	7.8	38
60	Hierarchically structured metal-organic frameworks assembled by hydroxy double salt-template synergy with high space-time yields. <i>CrystEngComm</i> , 2018, 20, 1057-1064.	1.3	37
61	Adsorption and separation of CO <sub>2</sub> on Fe(II)-MOF-74: Effect of the open metal coordination site. <i>Journal of Solid State Chemistry</i> , 2014, 213, 224-228.	1.4	36
62	Liquid-Liquid Equilibria for the Ternary System Mesityl Oxide + Phenol + Water at 298.15, 313.15, and 323.15 K. <i>Journal of Chemical &amp; Engineering Data</i> , 2016, 61, 2493-2498.	1.0	36
63	Microporous metal-organic framework with specific functional sites for efficient removal of ethane from ethane/ethylene mixtures. <i>Chemical Engineering Journal</i> , 2020, 387, 124137.	6.6	36
64	Application of hierarchically porous metal-organic frameworks in heterogeneous catalysis: A review. <i>Science China Materials</i> , 2022, 65, 298-320.	3.5	36
65	Microregulation of Pore Channels in Covalent-Organic Frameworks Used for the Selective and Efficient Separation of Ethane. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 52819-52825.	4.0	35
66	Separation of C <sub>2</sub> /C <sub>1</sub> hydrocarbons through a gate-opening effect in a microporous metal-organic framework. <i>CrystEngComm</i> , 2017, 19, 6896-6901.	1.3	34
67	Removal of Ammonia Emissions via Reversible Structural Transformation in M(BDC) (M = Cu, Zn, Cd) Metal-Organic Frameworks. <i>Environmental Science &amp; Technology</i> , 2020, 54, 3636-3642.	4.6	34
68	Tuning the Pore Environment of MOFs toward Efficient CH <sub>4</sub> /N <sub>2</sub> Separation under Humid Conditions. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 15830-15839.	4.0	34
69	Protection of open-metal V(III) sites and their associated CO <sub>2</sub> /CH <sub>4</sub> /N <sub>2</sub> /O <sub>2</sub> /H <sub>2</sub> O adsorption properties in mesoporous V-MOFs. <i>Journal of Colloid and Interface Science</i> , 2015, 456, 197-205.	5.0	33
70	An Ultramicroporous Metal-Organic Framework for Sieving Separation of Carbon Dioxide from Methane. <i>Small Structures</i> , 2020, 1, 2000022.	6.9	33
71	Enhanced electrochemiluminescence based on Ru(bpy) <sub>3</sub> <sup>2+</sup> -doped silica nanoparticles and graphene composite for analysis of melamine in milk. <i>Analytica Chimica Acta</i> , 2014, 824, 57-63.	2.6	32
72	The inorganic cation-tailored "trapdoor" effect of silicoaluminophosphate zeolite for highly selective CO <sub>2</sub> separation. <i>Chemical Science</i> , 2021, 12, 8803-8810.	3.7	32

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73	Amorphous flower-like molybdenum-sulfide@nitrogen-doped-carbon-nanofiber film for use in the hydrogen-evolution reaction. <i>Journal of Colloid and Interface Science</i> , 2016, 472, 69-75.	5.0	31
74	Water Transport with Ultralow Friction through Partially Exfoliated $\text{g-C}_3\text{N}_4$ Nanosheet Membranes with Self-Supporting Spacers. <i>Angewandte Chemie</i> , 2017, 129, 9102-9108.	1.6	31
75	Modification of the pore environment in UiO-type metal-organic framework toward boosting the separation of propane/propylene. <i>Chemical Engineering Journal</i> , 2021, 403, 126428.	6.6	31
76	A comprehensive study of the enantioseparation of chiral drugs by cyclodextrin using capillary electrophoresis combined with theoretical approaches. <i>Talanta</i> , 2015, 142, 28-34.	2.9	30
77	Targeted capture and pressure/temperature-responsive separation in flexible metal-organic frameworks. <i>Journal of Materials Chemistry A</i> , 2015, 3, 22574-22583.	5.2	30
78	Nickel-4-(3,5-dicarboxyphenyl)-2,6-terpyridine Framework: Efficient Separation of Ethylene from Acetylene/Ethylene Mixtures with a High Productivity. <i>Inorganic Chemistry</i> , 2018, 57, 9489-9494.	1.9	30
79	Optimized pore environment for efficient high selective $\text{C}_2\text{H}_2/\text{C}_2\text{H}_4$ and $\text{C}_2\text{H}_2/\text{CO}_2$ separation in a metal-organic framework. <i>Separation and Purification Technology</i> , 2021, 256, 117749.	3.9	30
80	Understanding the Cellular Uptake of pH-Responsive Zwitterionic Gold Nanoparticles: A Computer Simulation Study. <i>Langmuir</i> , 2017, 33, 14480-14489.	1.6	29
81	A Rod-Packing Hydrogen-Bonded Organic Framework with Suitable Pore Confinement for Benchmark Ethane/Ethylene Separation. <i>Angewandte Chemie</i> , 2021, 133, 10392-10398.	1.6	29
82	Exploiting the pore size and functionalization effects in UiO topology structures for the separation of light hydrocarbons. <i>CrystEngComm</i> , 2017, 19, 1729-1737.	1.3	28
83	Fluorinated Biphenyldicarboxylate-Based Metal-Organic Framework Exhibiting Efficient Propyne/Propylene Separation. <i>Inorganic Chemistry</i> , 2020, 59, 4030-4036.	1.9	28
84	Construction of saturated coordination titanium-based metal-organic framework for one-step $\text{C}_2\text{H}_2/\text{C}_2\text{H}_6/\text{C}_2\text{H}_4$ separation. <i>Separation and Purification Technology</i> , 2021, 276, 119284.	3.9	28
85	Ethylenediamine-functionalized metal organic frameworks MIL-100(Cr) for efficient $\text{CO}_2/\text{N}_2\text{O}$ separation. <i>Separation and Purification Technology</i> , 2020, 235, 116219.	3.9	27
86	Application of ionic liquid as additive in determination of three agonists by capillary electrophoresis with amperometric detection. <i>Electrophoresis</i> , 2013, 34, 277-283.	1.3	26
87	Integrating tri-mural nanotraps into a microporous metal-organic framework for $\text{C}_2\text{H}_2/\text{CO}_2$ and $\text{C}_2\text{H}_2/\text{C}_2\text{H}_4$ separation. <i>Separation and Purification Technology</i> , 2022, 296, 121404.	3.9	23
88	$\text{CO}_2/\text{CH}_4$ and $\text{CH}_4/\text{N}_2$ separation on isomeric metal organic frameworks. <i>Chinese Journal of Chemical Engineering</i> , 2016, 24, 1687-1694.	1.7	22
89	A Thermally and Chemically Stable Copper(II) Metal-Organic Framework with High Performance for Gas Adsorption and Separation. <i>Inorganic Chemistry</i> , 2021, 60, 6550-6558.	1.9	22
90	Phase Behavior of an Amphiphilic Block Copolymer in Ionic Liquid: A Dissipative Particle Dynamics Study. <i>Journal of Chemical &amp; Engineering Data</i> , 2016, 61, 3998-4005.	1.0	21

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91	Computer Simulations on the Channel Membrane Formation by Nonsolvent Induced Phase Separation. <i>Macromolecular Theory and Simulations</i> , 2017, 26, 1700027.	0.6	20
92	A stable metal-organic framework with well-matched pore cavity for efficient acetylene separation. <i>AIChE Journal</i> , 2021, 67, e17152.	1.8	20
93	Reversed ethane/ethylene adsorption in a metal-organic framework via introduction of oxygen. <i>Chinese Journal of Chemical Engineering</i> , 2020, 28, 593-597.	1.7	19
94	A Microporous Hydrogen-Bonded Organic Framework for the Efficient Capture and Purification of Propylene. <i>Angewandte Chemie</i> , 2021, 133, 20563-20569.	1.6	18
95	Construction of a Porous Metal-Organic Framework with a High Density of Open Cr Sites for Record N <sub>2</sub> /O <sub>2</sub> Separation. <i>Advanced Materials</i> , 2021, 33, e2100866.	11.1	18
96	Substituent-Induced Electron-Transfer Strategy for Selective Adsorption of N <sub>2</sub> in MIL-101(Cr)-X Metal-Organic Frameworks. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 2146-2154.	4.0	18
97	Liquid-Liquid Equilibria for the Methyl Tert-Butyl Ketone+Phenol+Water Ternary System at 298.15, 313.15 and 323.15 K. <i>Journal of Solution Chemistry</i> , 2015, 44, 1891-1899.	0.6	17
98	Computer Simulation of DNA Condensation by PAMAM Dendrimer. <i>Macromolecular Theory and Simulations</i> , 2018, 27, 1700070.	0.6	17
99	Direct Functionalization of the Open Metal Sites in Rare Earth-Based Metal-Organic Frameworks Used for the Efficient Separation of Ethylene. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 6123-6129.	1.8	17
100	Titanium-Oxo Cluster Assisted Fabrication of a Defect-Rich Ti-MOF Membrane Showing Versatile Gas Separation Performance. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	17
101	Phase Equilibrium for Phenol Extraction from Aqueous Solution with 2-Pentanone at Different Temperatures. <i>Journal of Solution Chemistry</i> , 2016, 45, 1414-1424.	0.6	16
102	Robust Microporous Metal-Organic Frameworks for Highly Efficient and Simultaneous Removal of Propyne and Propadiene from Propylene. <i>Angewandte Chemie</i> , 2019, 131, 10315-10320.	1.6	16
103	Novel membrane separation technologies and membrane processes. <i>Frontiers of Chemical Science and Engineering</i> , 2021, 15, 717-719.	2.3	16
104	An ethane-favored metal-organic framework with tailored pore environment used for efficient ethylene separation. <i>Microporous and Mesoporous Materials</i> , 2021, 320, 111096.	2.2	16
105	Measurement and Correlation of Liquid-Liquid Equilibria for the Ternary Methyl Isobutyl Ketone+Phenol+Water System at (333.15, 343.15 and 353.15) K under Atmospheric Pressure. <i>Journal of Solution Chemistry</i> , 2016, 45, 875-884.	0.6	15
106	Research on CO <sub>2</sub> -N <sub>2</sub> O separation using flexible metal organic frameworks. <i>Separation and Purification Technology</i> , 2020, 251, 117311.	3.9	15
107	Functionalized Metal-Organic Frameworks for the Efficient Removal of Low Concentrations of Ammonia. <i>ChemPlusChem</i> , 2016, 81, 222-228.	1.3	14
108	Boosting molecular recognition of acetylene in UiO-66 framework through pore environment functionalization. <i>Chemical Engineering Science</i> , 2021, 237, 116572.	1.9	14

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109	Achieving highly selective CO <sub>2</sub> adsorption on SAPO-35 zeolites by template-modulating the framework silicon content. <i>Chemical Science</i> , 2022, 13, 5687-5692.	3.7	14
110	Ternary Liquid-Liquid Equilibria for the System 2-Methoxy-2-methylpropane+ <i>m</i> -Cresol+Water at 298.15 and 313.15 K: Experimental Data and Correlation. <i>Journal of Solution Chemistry</i> , 2015, 44, 2393-2404.	0.6	13
111	The efficient separation of N <sub>2</sub> /CO <sub>2</sub> using unsaturated Fe <sup>2+</sup> sites in MIL-100Fe. <i>Chemical Communications</i> , 2021, 57, 6636-6639.	2.2	13
112	Adsorption and molecular simulation of CO <sub>2</sub> and CH <sub>4</sub> in two-dimensional metal-organic frameworks with the same layered substrate. <i>CrystEngComm</i> , 2013, 15, 6782.	1.3	12
113	Small molecule solvation changes due to the presence of salt are governed by the cost of solvent cavity formation and dispersion. <i>Journal of Chemical Physics</i> , 2014, 141, 22D518.	1.2	12
114	Molecular dynamics simulation on DNA translocating through MoS <sub>2</sub> nanopores with various structures. <i>Frontiers of Chemical Science and Engineering</i> , 2021, 15, 922-934.	2.3	12
115	<i>m</i> -Chabazite Zeolite Nanocrystal Aggregates for Highly Efficient Methane Separation. <i>Angewandte Chemie - International Edition</i> , 2022, 61, e202116850.	7.2	12
116	A novel dark-field microscopy technique coupled with capillary electrophoresis for visual analysis of single nanoparticles. <i>Analyst</i> , 2013, 138, 3705.	1.7	11
117	Identical Composition and Distinct Performance: How ZIF-8 Polymorphs' Structures Affect the Adsorption/Separation of Ethane and Ethene. <i>Journal of Chemical &amp; Engineering Data</i> , 2021, 66, 3483-3492.	1.0	10
118	Reversible flexible structural changes in multidimensional MOFs by guest molecules (I <sub>2</sub> , NH <sub>3</sub> ) and thermal stimulation. <i>Journal of Solid State Chemistry</i> , 2015, 226, 114-119.	1.4	9
119	Linker micro-regulation of a Hofmann-based metal-organic framework for efficient propylene/propane separation. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 1082-1090.	3.0	9
120	<i>m</i> -Chabazite Zeolite Nanocrystal Aggregates for Highly Efficient Methane Separation. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	9
121	Insights from molecular dynamics simulations for interaction between cellulose microfibrils and hemicellulose. <i>Journal of Materials Chemistry A</i> , 2022, 10, 14451-14459.	5.2	9
122	One-dimensional interpenetrated coordination polymers showing step gas sorption properties. <i>CrystEngComm</i> , 2013, 15, 1689.	1.3	8
123	Liquid Phase Equilibria of the Water + Propionic or Butyric Acid + Methyl <i>tert</i> -Butyl Ketone Ternary Systems at (298.15 and 323.15) K. <i>Journal of Chemical &amp; Engineering Data</i> , 2015, 60, 2612-2617.	1.0	8
124	Lysozyme Adsorption on Porous Organic Cages: A Molecular Simulation Study. <i>Langmuir</i> , 2020, 36, 12299-12308.	1.6	8
125	Energy efficient ethylene purification in a commercially viable ethane-selective MOF. <i>Separation and Purification Technology</i> , 2022, 282, 120126.	3.9	8
126	Tie-Line Data for Aqueous Mixtures of Butyric Acid with Diisopropyl Ether at Various Temperatures. <i>Journal of Chemical &amp; Engineering Data</i> , 2016, 61, 760-765.	1.0	7



#	ARTICLE	IF	CITATIONS
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