

Zhong Li

List of Publications by Citations

Source: <https://exaly.com/author-pdf/648277/zhong-li-publications-by-citations.pdf>
Version: 2024-04-09

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

130 papers	5,542 citations	43 h-index	68 g-index
137 ext. papers	6,767 ext. citations	7.3 avg, IF	6.03 L-index

#	Paper	IF	Citations
130	Competitive adsorption and selectivity of benzene and water vapor on the microporous metal organic frameworks (HKUST-1). <i>Chemical Engineering Journal</i> , 2015 , 259, 79-89	14.7	175
129	A novel MOF/graphene oxide composite GrO@MIL-101 with high adsorption capacity for acetone. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 4722-4730	13	165
128	A new MOF-505@GO composite with high selectivity for CO ₂ /CH ₄ and CO ₂ /N ₂ separation. <i>Chemical Engineering Journal</i> , 2017 , 308, 1065-1072	14.7	163
127	Carbon nanotube catalysts for oxidative desulfurization of a model diesel fuel using molecular oxygen. <i>Green Chemistry</i> , 2014 , 16, 211-220	10	158
126	Enhancement of CO ₂ adsorption on high surface area activated carbon modified by N ₂ , H ₂ and ammonia. <i>Chemical Engineering Journal</i> , 2010 , 160, 571-577	14.7	145
125	Graphene-wrapped chromium-MOF(MIL-101)/sulfur composite for performance improvement of high-rate rechargeable LiB batteries. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 13509-13512	13	144
124	Enhancement of CO ₂ Adsorption and CO ₂ /N ₂ Selectivity on ZIF-8 via Postsynthetic Modification. <i>AIChE Journal</i> , 2013 , 59, 2195-2206	3.6	137
123	Adsorption Equilibrium and Kinetics of CO ₂ on Chromium Terephthalate MIL-101. <i>Energy & Fuels</i> , 2011 , 25, 835-842	4.1	126
122	An ethane-trapping MOF PCN-250 for highly selective adsorption of ethane over ethylene. <i>Chemical Engineering Science</i> , 2018 , 175, 110-117	4.4	125
121	Effects of Aromatics, Diesel Additives, Nitrogen Compounds, and Moisture on Adsorptive Desulfurization of Diesel Fuel over Activated Carbon. <i>Industrial & Engineering Chemistry Research</i> , 2012 , 51, 3436-3443	3.9	113
120	Adsorption and Diffusion of Benzene on Chromium-Based Metal Organic Framework MIL-101 Synthesized by Microwave Irradiation. <i>Industrial & Engineering Chemistry Research</i> , 2011 , 50, 2254-2261	3.9	109
119	Metal-Organic Frameworks Significantly Enhance Photocatalytic Hydrogen Evolution and CO Reduction with Earth-Abundant Copper Photosensitizers. <i>Journal of the American Chemical Society</i> , 2020 , 142, 690-695	16.4	109
118	Adsorption of Benzothiophene and Dibenzothiophene on Ion-Impregnated Activated Carbons and Ion-Exchanged Y Zeolites. <i>Energy & Fuels</i> , 2008 , 22, 3858-3863	4.1	103
117	Preparation and Adsorption Performance of for Separation of CO ₂ /CH ₄ . <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 11176-11184	3.9	101
116	Ethane selective adsorbent Ni(bdc)(ted) _{0.5} with high uptake and its significance in adsorption separation of ethane and ethylene. <i>Chemical Engineering Science</i> , 2016 , 148, 275-281	4.4	98
115	Adsorption of CO ₂ on Zeolite 13X and Activated Carbon with Higher Surface Area. <i>Separation Science and Technology</i> , 2010 , 45, 710-719	2.5	91
114	Enhanced separation performance of a novel composite material GrO@MIL-101 for CO ₂ /CH ₄ binary mixture. <i>Chemical Engineering Journal</i> , 2015 , 266, 339-344	14.7	88

113	A novel bimetallic MIL-101(Cr, Mg) with high CO ₂ adsorption capacity and CO ₂ /N ₂ selectivity. <i>Chemical Engineering Science</i> , 2016 , 147, 109-117	4.4	86
112	Experimental and molecular simulation studies of CO ₂ adsorption on zeolitic imidazolate frameworks: ZIF-8 and amine-modified ZIF-8. <i>Adsorption</i> , 2013 , 19, 25-37	2.6	85
111	Ultrafast room temperature synthesis of GrO@HKUST-1 composites with high CO ₂ adsorption capacity and CO ₂ /N ₂ adsorption selectivity. <i>Chemical Engineering Journal</i> , 2016 , 303, 231-237	14.7	83
110	Vanadium Catalyst on Isostructural Transition Metal, Lanthanide, and Actinide Based Metal-Organic Frameworks for Alcohol Oxidation. <i>Journal of the American Chemical Society</i> , 2019 , 141, 8306-8314	16.4	81
109	Highly enhanced and weakened adsorption properties of two MOFs by water vapor for separation of CO ₂ /CH ₄ and CO ₂ /N ₂ binary mixtures. <i>Chemical Engineering Journal</i> , 2015 , 270, 385-392	14.7	77
108	Selective Adsorption of Ethane over Ethylene in PCN-245: Impacts of Interpenetrated Adsorbent. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 8366-8373	9.5	77
107	Competitive adsorption of water vapor with VOCs dichloroethane, ethyl acetate and benzene on MIL-101(Cr) in humid atmosphere. <i>RSC Advances</i> , 2015 , 5, 1827-1834	3.7	73
106	Substantial Recoverable Energy Storage in Percolative Metallic Aluminum-Polypropylene Nanocomposites. <i>Advanced Functional Materials</i> , 2013 , 23, 3560-3569	15.6	70
105	Adsorption equilibrium and kinetics of p-xylene on chromium-based metal organic framework MIL-101. <i>Chemical Engineering Journal</i> , 2011 , 173, 150-157	14.7	69
104	Asphalt-derived high surface area activated porous carbons for the effective adsorption separation of ethane and ethylene. <i>Chemical Engineering Science</i> , 2017 , 162, 192-202	4.4	68
103	Efficient kinetic separation of propene and propane using two microporous metal organic frameworks. <i>Chemical Communications</i> , 2017 , 53, 9332-9335	5.8	65
102	Efficient Mechanochemical Synthesis of MOF-5 for Linear Alkanes Adsorption. <i>Journal of Chemical & Engineering Data</i> , 2017 , 62, 2030-2036	2.8	64
101	Pore environment engineering in metal-organic frameworks for efficient ethane/ethylene separation. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 13585-13590	13	63
100	Highly Adsorptive Separation of Ethane/Ethylene by An Ethane-Selective MOF MIL-142A. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 4063-4069	3.9	61
99	An Overview of Adsorbents in the Rotary Desiccant Dehumidifier for Air Dehumidification. <i>Drying Technology</i> , 2013 , 31, 1334-1345	2.6	61
98	Catalytic adsorptive desulfurization of model diesel fuel using TiO ₂ /SBA-15 under mild conditions. <i>Fuel</i> , 2016 , 174, 118-125	7.1	56
97	Preparation and oxygen permeation of U-shaped perovskite hollow-fiber membranes. <i>AIChE Journal</i> , 2011 , 57, 975-984	3.6	54
96	Highly stable PtP alloy nanotube arrays as a catalyst for the oxygen reduction reaction in acidic medium. <i>Chemical Science</i> , 2015 , 6, 3211-3216	9.4	53

95	Adsorption of Dibenzothiophene on Ag/Cu/Fe-Supported Activated Carbons Prepared by Ultrasonic-Assisted Impregnation. <i>Journal of Chemical & Engineering Data</i> , 2010 , 55, 5818-5823	2.8	53
94	Formation of willow leaf-like structures composed of NH ₂ -MIL68(In) on a multifunctional multiwalled carbon nanotube backbone for enhanced photocatalytic reduction of Cr(VI). <i>Nano Research</i> , 2017 , 10, 3543-3556	10	51
93	Novel nitrogen-rich porous carbon spheres as a high-performance anode material for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 16617-16622	13	50
92	Liquid-Assisted Mechanochemical Synthesis of Copper Based MOF-505 for the Separation of CO ₂ over CH ₄ or N ₂ . <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 703-709	3.9	48
91	Metal-Organic Frameworks Integrate Cu Photosensitizers and Secondary Building Unit-Supported Fe Catalysts for Photocatalytic Hydrogen Evolution. <i>Journal of the American Chemical Society</i> , 2020 , 142, 10302-10307	16.4	47
90	Efficient adsorptive separation of C ₃ H ₆ over C ₃ H ₈ on flexible and thermoresponsive CPL-1. <i>Chemical Engineering Journal</i> , 2017 , 328, 360-367	14.7	45
89	Structural Diversity of Zirconium Metal-Organic Frameworks and Effect on Adsorption of Toxic Chemicals. <i>Journal of the American Chemical Society</i> , 2020 , 142, 21428-21438	16.4	44
88	Metal-Organic framework MIL-101 doped with palladium for toluene adsorption and hydrogen storage. <i>RSC Advances</i> , 2014 , 4, 2414-2420	3.7	43
87	Adsorption Isotherms, Kinetics, and Desorption of 1,2-Dichloroethane on Chromium-Based Metal Organic Framework MIL-101. <i>Separation Science and Technology</i> , 2013 , 48, 1479-1489	2.5	41
86	Chemoselective Hydrogenation of Cinnamaldehyde over a Pt-Lewis Acid Collaborative Catalyst under Ambient Conditions. <i>Industrial & Engineering Chemistry Research</i> , 2015 , 54, 1487-1497	3.9	40
85	Metal-Organic Framework Stabilizes a Low-Coordinate Iridium Complex for Catalytic Methane Borylation. <i>Journal of the American Chemical Society</i> , 2019 , 141, 11196-11203	16.4	39
84	Ultrafast room temperature synthesis of novel composites Imi@Cu-BTC with improved stability against moisture. <i>Chemical Engineering Journal</i> , 2017 , 307, 537-543	14.7	38
83	Oxygen permeation through a CO ₂ -tolerant mixed conducting oxide (Pr _{0.9} La _{0.1}) ₂ (Ni _{0.74} Cu _{0.21} Ga _{0.05})O _{4+δ} . <i>AIChE Journal</i> , 2012 , 58, 2473-2478	3.6	38
82	Novel glucose-based adsorbents (Glc-Cs) with high CO ₂ capacity and excellent CO ₂ /CH ₄ /N ₂ adsorption selectivity. <i>Chemical Engineering Journal</i> , 2017 , 327, 51-59	14.7	37
81	Zirconium-Based Metal-Organic Framework with 9-Connected Nodes for Ammonia Capture. <i>ACS Applied Nano Materials</i> , 2019 , 2, 6098-6102	5.6	37
80	Decomposition of Toluene in a Plasma Catalysis System with NiO, MnO ₂ , CeO ₂ , Fe ₂ O ₃ , and CuO Catalysts. <i>Plasma Chemistry and Plasma Processing</i> , 2013 , 33, 1073-1082	3.6	37
79	Oxygen separation through U-shaped hollow fiber membrane using pure CO ₂ as sweep gas. <i>AIChE Journal</i> , 2012 , 58, 2856-2864	3.6	37
78	Novel room-temperature synthesis of MIL-100(Fe) and its excellent adsorption performances for separation of light hydrocarbons. <i>Chemical Engineering Journal</i> , 2019 , 355, 679-686	14.7	37

77	Selective Adsorption of Light Alkanes on a Highly Robust Indium Based Metal-Organic Framework. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 4488-4495	3.9	36
76	A CO ₂ -stable hollow-fiber membrane with high hydrogen permeation flux. <i>AIChE Journal</i> , 2015 , 61, 1997-2007	3.6	36
75	Selective Adsorption Performances of UiO-67 for Separation of Light Hydrocarbons C ₁ , C ₂ , and C ₃ . <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 8689-8696	3.9	36
74	Lubrication Properties of Polyalphaolefin and Polysiloxane Lubricants: Molecular Structure-Tribology Relationships. <i>Tribology Letters</i> , 2012 , 48, 355	2.8	35
73	Binder-free Co ₃ O ₄ nanowire arrays for lithium ion batteries with excellent rate capability and ultra-long cycle life. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 19711-19717	13	34
72	Tuning secondary building unit of Cu-BTC to simultaneously enhance its CO ₂ selective adsorption and stability under moisture. <i>Chemical Engineering Journal</i> , 2019 , 355, 815-821	14.7	34
71	Highly selective adsorption separation of light hydrocarbons with a porphyrinic zirconium metal-organic framework PCN-224. <i>Separation and Purification Technology</i> , 2018 , 207, 262-268	8.3	33
70	Dynamic catalytic adsorptive desulfurization of real diesel over ultra-stable and low-cost silica gel-supported TiO ₂ . <i>AIChE Journal</i> , 2018 , 64, 2146-2159	3.6	33
69	Unusual Moisture-Enhanced CO Capture within Microporous PCN-250 Frameworks. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 38638-38647	9.5	33
68	An indium-based ethane-trapping MOF for efficient selective separation of C ₂ H ₆ /C ₂ H ₄ mixture. <i>Separation and Purification Technology</i> , 2019 , 212, 51-56	8.3	32
67	Effect of Textural Properties on the Adsorption and Desorption of Toluene on the Metal-Organic Frameworks HKUST-1 and MIL-101. <i>Adsorption Science and Technology</i> , 2013 , 31, 325-339	3.6	31
66	Dynamics and isotherms of water vapor sorption on mesoporous silica gels modified by different salts. <i>Kinetics and Catalysis</i> , 2010 , 51, 754-761	1.5	31
65	A novel carbonized polydopamine (C-PDA) adsorbent with high CO ₂ adsorption capacity and water vapor resistance. <i>AIChE Journal</i> , 2016 , 62, 3730-3738	3.6	31
64	Removal of organic sulfur compounds from diesel by adsorption on carbon materials. <i>Reviews in Chemical Engineering</i> , 2015 , 31,	5	30
63	Zeolitic Imidazolate Framework Membranes Supported on Macroporous Carbon Hollow Fibers by Fluidic Processing Techniques. <i>Advanced Materials Interfaces</i> , 2017 , 4, 1700080	4.6	29
62	Highly active and selective Co-based Fischer-Tropsch catalysts derived from metal-organic frameworks. <i>AIChE Journal</i> , 2017 , 63, 2935-2944	3.6	28
61	Selective Adsorptive Separation of CO ₂ /CH ₄ and CO ₂ /N ₂ by a Water Resistant Zirconium-Porphyrin Metal-Organic Framework. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 12215-12224	3.9	28
60	Cerium-Based Metal-Organic Layers Catalyze Hydrogen Evolution Reaction through Dual Photoexcitation. <i>Journal of the American Chemical Society</i> , 2020 , 142, 6866-6871	16.4	27

59	Iron-Based Metal-Organic Framework with Hydrophobic Quadrilateral Channels for Highly Selective Separation of Hexane Isomers. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 6031-6038	9.5	27
58	Ultrahigh CO ₂ /CH ₄ and CO ₂ /N ₂ adsorption selectivities on a cost-effectively L-aspartic acid based metal-organic framework. <i>Chemical Engineering Journal</i> , 2019 , 375, 122074	14.7	26
57	Novel glucose-based adsorbents (Glc-As) with preferential adsorption of ethane over ethylene and high capacity. <i>Chemical Engineering Science</i> , 2017 , 172, 612-621	4.4	26
56	Adsorption and Diffusion of Ethyl Acetate on the Chromium-Based Metal-Organic Framework MIL-101. <i>Journal of Chemical & Engineering Data</i> , 2011 , 56, 3419-3425	2.8	26
55	Postsynthetic Strategy To Prepare ACN@Cu-BTCs with Enhanced Water Vapor Stability and CO ₂ /CH ₄ Separation Selectivity. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 3765-3772	3.9	25
54	Influence of the microporosity and surface chemistry of polymeric resins on adsorptive properties toward phenol. <i>Journal of Hazardous Materials</i> , 2004 , 113, 131-5	12.8	24
53	Partial oxidation of methane in hollow-fiber membrane reactors based on alkaline-earth metal-free CO ₂ -tolerant oxide. <i>AIChE Journal</i> , 2014 , 60, 3587-3595	3.6	22
52	S/O-Functionalities on Modified Carbon Materials Governing Adsorption of Water Vapor. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 23057-23065	3.8	22
51	Synthesis of novel particle rice-based carbon materials and its excellent CH ₄ /N ₂ adsorption selectivity for methane enrichment from Low-rank natural gas. <i>Chemical Engineering Journal</i> , 2020 , 384, 123388	14.7	22
50	Ethane-selective carbon composites CPDA@A-ACs with high uptake and its enhanced ethane/ethylene adsorption selectivity. <i>AIChE Journal</i> , 2018 , 64, 3390-3399	3.6	21
49	Improved Ethanol Adsorption Capacity and Coefficient of Performance for Adsorption Chillers of Composite Prepared by Rapid Room Temperature Synthesis. <i>Industrial & Engineering Chemistry Research</i> , 2016 , 55, 11767-11774	3.9	21
48	Glycine-Modified HKUST-1 with Simultaneously Enhanced Moisture Stability and Improved Adsorption for Light Hydrocarbons Separation. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 1557-1563	8.3	21
47	Moisture stability of ethane-selective Ni(II), Fe(III), Zr(IV)-based metal-organic frameworks. <i>AIChE Journal</i> , 2019 , 65, e16616	3.6	20
46	Novel asphalt-based carbon adsorbents with super-high adsorption capacity and excellent selectivity for separation for light hydrocarbons. <i>Separation and Purification Technology</i> , 2018 , 190, 60-67	8.3	20
45	Graphene-Immobilized fac-Re(bipy)(CO) ₃ Cl for Syngas Generation from Carbon Dioxide. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 4192-8	9.5	20
44	Design, Synthesis, and Characterization of a Bifunctional Chelator with Ultrahigh Capacity for Uranium Uptake from Seawater Simulant. <i>Industrial & Engineering Chemistry Research</i> , 2016 , 55, 4170-4178	3.9	20
43	Preparation of CuCl@AC with high CO adsorption capacity and selectivity from CO/N ₂ binary mixture. <i>Adsorption</i> , 2015 , 21, 373-381	2.6	20
42	Estimation of Activation Energy of Desorption of n-Hexanol from Activated Carbons by the TPD Technique. <i>Adsorption Science and Technology</i> , 2003 , 21, 125-133	3.6	20

41	Selectively Trapping Ethane from Ethylene on Metal-Organic Framework MIL-53(Al)-FA. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 8290-8295	3.9	19
40	Thermal stability of phosphorus-containing styrene-acrylic copolymer and its fire retardant performance in waterborne intumescent coatings. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013 , 114, 937-946	4.1	19
39	Equilibrium and DoDo Model Fitting of Water Adsorption on Four Commercial Activated Carbons with Different Surface Chemistry and Pore Structure. <i>Journal of Chemical & Engineering Data</i> , 2010 , 55, 5729-5732	2.8	18
38	Controllable oxidation of sulfides to sulfoxides and sulfones with aqueous hydrogen peroxide in the presence of cyclodextrin. <i>Russian Journal of Organic Chemistry</i> , 2006 , 42, 959-961	0.7	18
37	Room temperature synthesis of Cu(Qc)2 and its application for ethane capture from light hydrocarbons. <i>Chemical Engineering Science</i> , 2020 , 213, 115355	4.4	18
36	Integration of Earth-Abundant Photosensitizers and Catalysts in Metal-Organic Frameworks Enhances Photocatalytic Aerobic Oxidation. <i>ACS Catalysis</i> , 2021 , 11, 1024-1032	13.1	18
35	Insights into the Structure-Activity Relationship in Aerobic Alcohol Oxidation over a Metal-Organic-Framework-Supported Molybdenum(VI) Catalyst. <i>Journal of the American Chemical Society</i> , 2021 , 143, 4302-4310	16.4	17
34	Improving CH4/N2 selectivity within isomeric Al-based MOFs for the highly selective capture of coal-mine methane. <i>AIChE Journal</i> , 2020 , 66, e16287	3.6	16
33	Effect of ultrasound on desorption kinetics of phenol from polymeric resin. <i>Ultrasonics Sonochemistry</i> , 2006 , 13, 225-31	8.9	16
32	Efficient adsorptive separation of propene over propane through a pillar-layer cobalt-based metal-organic framework. <i>AIChE Journal</i> , 2020 , 66, e16858	3.6	16
31	Flexible and mechanically-stable MIL-101(Cr)@PFs for efficient benzene vapor and CO2 adsorption. <i>RSC Advances</i> , 2015 , 5, 94276-94282	3.7	14
30	Enhanced CO2 Adsorption and CO2/N2/CH4 Selectivity of Novel Carbon Composites [email[protected]]. <i>Energy & Fuels</i> , 2019 , 33, 493-502	4.1	14
29	Enhancing Selective Adsorption in a Robust Pillared-Layer Metal-Organic Framework via Channel Methylation for the Recovery of C2-C3 from Natural Gas. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 51499-51505	9.5	13
28	Desulfurization Kinetics and Regeneration of Silica Gel-Supported TiO2 Extrudates for Reactive Adsorptive Desulfurization of Real Diesel. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 10130-10141	3.9	13
27	Bimetallic ions regulate pore size and chemistry of zeolites for selective adsorption of ethylene from ethane. <i>Chemical Engineering Science</i> , 2020 , 220, 115636	4.4	13
26	Facile synthesis of ultramicroporous carbon adsorbents with ultra-high CH4 uptake by in situ ionic activation. <i>AIChE Journal</i> , 2020 , 66, e16231	3.6	13
25	Oxy-fuel combustion for CO2 capture using a CO2-tolerant oxygen transporting membrane. <i>AIChE Journal</i> , 2013 , 59, 3856-3862	3.6	13
24	Ultra-Deep Desulfurization of Real Diesel Using Two-Layer Silica Gels under Mild Conditions. <i>Energy & Fuels</i> , 2019 , 33, 7287-7296	4.1	12

23	Enhanced Adsorption Performance of Aromatics on a Novel Chromium-Based [email[protected]] Oxide Composite. <i>Energy & Fuels</i> , 2017 , 31, 13985-13990	4.1	11
22	Insights into the Structure-Activity Relationships in Metal-Organic Framework-Supported Nickel Catalysts for Ethylene Hydrogenation. <i>ACS Catalysis</i> , 2020 , 10, 8995-9005	13.1	11
21	Tuning the Structural Flexibility for Multi-Responsive Gas Sorption in Isonicotinate-Based Metal-Organic Frameworks. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 16820-16827	9.5	10
20	Ethane-Selective Behavior Achieved on a Nickel-Based Metal-Organic Framework: Impact of Pore Effect and Hydrogen Bonds. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 10516-10523	3.9	9
19	Selective extraction of methane from C1/C2/C3 on moisture-resistant MIL-142A with interpenetrated networks. <i>Chemical Engineering Journal</i> , 2020 , 395, 125057	14.7	9
18	Tuning the Atrazine Binding Sites in an Indium-Based Flexible Metal-Organic Framework. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 44762-44768	9.5	9
17	Rapid room temperature conversion of hydroxy double salt to MOF-505 for CO ₂ capture. <i>CrystEngComm</i> , 2019 , 21, 165-171	3.3	8
16	Role of Temperature in the Structure of Zn(II)-1,4-BDC Metal-Organic Frameworks and their Adsorption and Diffusion Properties for Carbon Dioxide. <i>Separation Science and Technology</i> , 2011 , 46, 1337-1345	2.5	7
15	Highly Efficient Capture of Postcombustion Generated CO ₂ through a Copper-Based Metal-Organic Framework. <i>Energy & Fuels</i> , 2021 , 35, 610-617	4.1	7
14	Room-Temperature Synthesis of Pyr1/3@CuBTC with Enhanced Stability and Its Excellent Performance for Separation of Propylene/Propane. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 6202-6209	3.9	6
13	Ultramicroporous carbons featuring sub-ångstrom tunable apertures for the selective separation of light hydrocarbon. <i>AIChE Journal</i> , 2021 , 67, e17285	3.6	6
12	Regeneration of AgXO@SBA-15 for reactive adsorptive desulfurization of fuel. <i>Petroleum Science</i> , 2018 , 15, 857-869	4.4	6
11	Oxygen-Selective Adsorption Property of Ultramicroporous MOF Cu(Qc) ₂ for Air Separation. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 6219-6225	3.9	4
10	β-Cyclodextrin promoted oxidation of primary amines to nitriles in water. <i>Frontiers of Chemical Engineering in China</i> , 2009 , 3, 196-200		4
9	Competitive Adsorption of Carbon Monoxide and Water Vapour on MIL-100(Fe) Prepared Using a Microwave Method. <i>Adsorption Science and Technology</i> , 2015 , 33, 279-296	3.6	3
8	The modulation of ethane-selective adsorption performance in series of bimetal PCN-250 metal-organic frameworks: Impact of metal composition. <i>AIChE Journal</i> , e17385	3.6	3
7	A novel mechanism of controlling ultramicropore size in carbons at sub-ångstrom level for molecular sieving of propylene/propane mixtures. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 23873-23881	13	2
6	Adsorption Property of Starch-Based Microporous Carbon Materials with High Selectivity and Uptake for C1/C2/C3 Separation. <i>Industrial & Engineering Chemistry Research</i> , 2021 , 60, 4668-4676	3.9	2

5	Preferential Adsorption Performance of Ethane in a Robust Nickel-Based Metal-Organic Framework for Separating Ethane from Ethylene.. <i>ACS Omega</i> , 2022 , 7, 7648-7654	3.9	2
4	Estimation of kinetics parameters in Beckmann rearrangement of cyclohexanone oxime using genetic algorithm. <i>Central South University</i> , 2006 , 13, 383-388		1
3	Catalytic adsorptive desulfurization of mercaptan, sulfide and disulfide using bifunctional Ti-based adsorbent for ultra-clean oil. <i>Chinese Journal of Chemical Engineering</i> , 2021 , 42, 25-25	3.2	0
2	Separation of propylene and propane with pillar-layer metal-organic frameworks by exploiting thermodynamic-kinetic synergetic effect. <i>Chemical Engineering Journal</i> , 2021 , 133284	14.7	0
1	Heterometallic Ce/ V Oxo Clusters with Adjustable Catalytic Reactivities. <i>Journal of the American Chemical Society</i> , 2021 ,	16.4	0