

# Zhong Li

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/648277/publications.pdf>

Version: 2024-02-01

136  
papers

7,933  
citations

34105

52  
h-index

58581

82  
g-index

137  
all docs

137  
docs citations

137  
times ranked

7569  
citing authors

#	ARTICLE	IF	CITATIONS
1	The modulation of $\text{ethane}$ selective adsorption performance in series of bimetal $\text{PCN}$ -250 metal-organic frameworks: Impact of metal composition. <i>AIChE Journal</i> , 2022, 68, e17385.	3.6	11
2	Catalytic adsorptive desulfurization of mercaptan, sulfide and disulfide using bifunctional Ti-based adsorbent for ultra-clean oil. <i>Chinese Journal of Chemical Engineering</i> , 2022, 42, 25-34.	3.5	2
3	Separation of propylene and propane with pillar-layer metal-organic frameworks by exploiting thermodynamic-kinetic synergetic effect. <i>Chemical Engineering Journal</i> , 2022, 431, 133284.	12.7	7
4	Robust Nickel-Based Metal-Organic Framework for Highly Efficient Methane Purification and Capture. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 4242-4250.	8.0	17
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.	3.5	7
6	Catalytic Degradation of Polyethylene Terephthalate Using a Phase-Transitional Zirconium-Based Metal-Organic Framework. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	30
7	Catalytic Degradation of Polyethylene Terephthalate Using a Phase-Transitional Zirconium-Based Metal-Organic Framework. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	4
8	Novel Granular Biomass-Based Carbons with Excellent $\text{C}_2\text{H}_6/\text{CH}_4$ Selectivity for Recovering Light Hydrocarbons from Natural Gas. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 5633-5642.	6.7	9
9	High-Performance Selective $\text{CO}_2$ Capture on a Stable and Flexible Metal-Organic Framework via Discriminatory Gate-Opening Effect. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 21089-21097.	8.0	14
10	Mechanistic Investigation of Enhanced Catalytic Selectivity toward Alcohol Oxidation with Ce Oxy-sulfate Clusters. <i>Journal of the American Chemical Society</i> , 2022, 144, 12092-12101.	13.7	6
11	Integration of Earth-Abundant Photosensitizers and Catalysts in Metal-Organic Frameworks Enhances Photocatalytic Aerobic Oxidation. <i>ACS Catalysis</i> , 2021, 11, 1024-1032.	11.2	47
12	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.	13.7	48
13	Adsorption Property of Starch-Based Microporous Carbon Materials with High Selectivity and Uptake for $\text{C}_1/\text{C}_2/\text{C}_3$ Separation. <i>Industrial &amp; Engineering Chemistry Research</i> , 2021, 60, 4668-4676.	3.7	13
14	Tuning the Structural Flexibility for Multi-Responsive Gas Sorption in Isonicotinate-Based Metal-Organic Frameworks. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 16820-16827.	8.0	31
15	Ultramicroporous carbons featuring sub-angstrom tunable apertures for the selective separation of light hydrocarbon. <i>AIChE Journal</i> , 2021, 67, e17285.	3.6	27
16	Highly Efficient Capture of Postcombustion Generated $\text{CO}_2$ through a Copper-Based Metal-Organic Framework. <i>Energy &amp; Fuels</i> , 2021, 35, 610-617.	5.1	14
17	A novel mechanism of controlling ultramicropore size in carbons at sub-angstrom level for molecular sieving of propylene/propane mixtures. <i>Journal of Materials Chemistry A</i> , 2021, 9, 23873-23881.	10.3	25
18	Heterometallic $\text{Ce}^{\text{IV}}/\text{V}^{\text{V}}$ Oxo Clusters with Adjustable Catalytic Reactivities. <i>Journal of the American Chemical Society</i> , 2021, 143, 21056-21065.	13.7	21

#	ARTICLE	IF	CITATIONS
19	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	34
20	Synthesis of novel particle rice-based carbon materials and its excellent CH <sub>4</sub> /N <sub>2</sub> adsorption selectivity for methane enrichment from Low-rank natural gas. <i>Chemical Engineering Journal</i> , 2020, 384, 123388.	12.7	57
21	Metal-Organic Frameworks Significantly Enhance Photocatalytic Hydrogen Evolution and CO <sub>2</sub> Reduction with Earth-Abundant Copper Photosensitizers. <i>Journal of the American Chemical Society</i> , 2020, 142, 690-695.	13.7	193
22	Room temperature synthesis of Cu(Qc) <sub>2</sub> and its application for ethane capture from light hydrocarbons. <i>Chemical Engineering Science</i> , 2020, 213, 115355.	3.8	25
23	Insights into the Structure-Activity Relationships in Metal-Organic Framework-Supported Nickel Catalysts for Ethylene Hydrogenation. <i>ACS Catalysis</i> , 2020, 10, 8995-9005.	11.2	40
24	Tuning the Atrazine Binding Sites in an Indium-Based Flexible Metal-Organic Framework. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 44762-44768.	8.0	11
25	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.	13.7	95
26	Enhancing Selective Adsorption in a Robust Pillared-Layer Metal-Organic Framework via Channel Methylation for the Recovery of C <sub>2</sub> /C <sub>3</sub> from Natural Gas. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 51499-51505.	8.0	50
27	Desulfurization Kinetics and Regeneration of Silica Gel-Supported TiO <sub>2</sub> Extrudates for Reactive Adsorptive Desulfurization of Real Diesel. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 10130-10141.	3.7	23
28	Improving CH <sub>4</sub> /N <sub>2</sub> selectivity within isomeric Al-based MOFs for the highly selective capture of coal-mine methane. <i>AIChE Journal</i> , 2020, 66, e16287.	3.6	42
29	Selective extraction of methane from C <sub>1</sub> /C <sub>2</sub> /C <sub>3</sub> on moisture-resistant MIL-142A with interpenetrated networks. <i>Chemical Engineering Journal</i> , 2020, 395, 125057.	12.7	36
30	Room-Temperature Synthesis of Pyr <sub>1/3</sub> @Cu-BTC with Enhanced Stability and Its Excellent Performance for Separation of Propylene/Propane. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 6202-6209.	3.7	12
31	Oxygen-Selective Adsorption Property of Ultramicroporous MOF Cu(Qc) <sub>2</sub> for Air Separation. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 6219-6225.	3.7	18
32	Bimetallic ions regulate pore size and chemistry of zeolites for selective adsorption of ethylene from ethane. <i>Chemical Engineering Science</i> , 2020, 220, 115636.	3.8	36
33	Facile synthesis of ultramicroporous carbon adsorbents with ultra-high CH <sub>4</sub> uptake by in situ ionic activation. <i>AIChE Journal</i> , 2020, 66, e16231.	3.6	39
34	Cerium-Based Metal-Organic Layers Catalyze Hydrogen Evolution Reaction through Dual Photoexcitation. <i>Journal of the American Chemical Society</i> , 2020, 142, 6866-6871.	13.7	49
35	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.	13.7	79
36	Ultra-Deep Desulfurization of Real Diesel Using Two-Layer Silica Gels under Mild Conditions. <i>Energy &amp; Fuels</i> , 2019, 33, 7287-7296.	5.1	14

#	ARTICLE	IF	CITATIONS
37	Ultrahigh CO <sub>2</sub> /CH <sub>4</sub> and CO <sub>2</sub> /N <sub>2</sub> adsorption selectivities on a cost-effectively L-aspartic acid based metal-organic framework. <i>Chemical Engineering Journal</i> , 2019, 375, 122074.	12.7	50
38	Zirconium-Based Metal-Organic Framework with 9-Connected Nodes for Ammonia Capture. <i>ACS Applied Nano Materials</i> , 2019, 2, 6098-6102.	5.0	59
39	Rapid room temperature conversion of hydroxy double salt to MOF-505 for CO <sub>2</sub> capture. <i>CrystEngComm</i> , 2019, 21, 165-171.	2.6	13
40	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.	13.7	65
41	Ethane-Selective Behavior Achieved on a Nickel-Based Metal-Organic Framework: Impact of Pore Effect and Hydrogen Bonds. <i>Industrial &amp; Engineering Chemistry Research</i> , 2019, 58, 10516-10523.	3.7	15
42	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.	13.7	112
43	Moisture stability of ethane-selective Ni(II), Fe(III), Zr(IV)-based metal-organic frameworks. <i>AIChE Journal</i> , 2019, 65, e16616.	3.6	28
44	Pore environment engineering in metal-organic frameworks for efficient ethane/ethylene separation. <i>Journal of Materials Chemistry A</i> , 2019, 7, 13585-13590.	10.3	91
45	Selectively Trapping Ethane from Ethylene on Metal-Organic Framework MIL-53(Al)-FA. <i>Industrial &amp; Engineering Chemistry Research</i> , 2019, 58, 8290-8295.	3.7	39
46	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.	12.7	82
47	An indium-based ethane-trapping MOF for efficient selective separation of C <sub>2</sub> H <sub>6</sub> /C <sub>2</sub> H <sub>4</sub> mixture. <i>Separation and Purification Technology</i> , 2019, 212, 51-56.	7.9	49
48	Enhanced CO <sub>2</sub> Adsorption and CO <sub>2</sub> /N <sub>2</sub> /CH <sub>4</sub> Selectivity of Novel Carbon Composites CPDA@A-Cs. <i>Energy &amp; Fuels</i> , 2019, 33, 493-502.	5.1	28
49	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.	6.7	37
50	Tuning secondary building unit of Cu-BTC to simultaneously enhance its CO <sub>2</sub> selective adsorption and stability under moisture. <i>Chemical Engineering Journal</i> , 2019, 355, 815-821.	12.7	56
51	Postsynthetic Strategy To Prepare ACN@Cu-BTCs with Enhanced Water Vapor Stability and CO <sub>2</sub> /CH <sub>4</sub> Separation Selectivity. <i>Industrial &amp; Engineering Chemistry Research</i> , 2018, 57, 3765-3772.	3.7	37
52	Ethane-selective carbon composites CPDA@A-Cs with high uptake and its enhanced ethane/ethylene adsorption selectivity. <i>AIChE Journal</i> , 2018, 64, 3390-3399.	3.6	41
53	Selective Adsorption of Ethane over Ethylene in PCN-245: Impacts of Interpenetrated Adsorbent. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 8366-8373.	8.0	112
54	Iron-Based Metal-Organic Framework with Hydrophobic Quadrilateral Channels for Highly Selective Separation of Hexane Isomers. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 6031-6038.	8.0	43

#	ARTICLE	IF	CITATIONS
55	Liquid-Assisted Mechanochemical Synthesis of Copper Based MOF-505 for the Separation of CO <sub>2</sub> over CH <sub>4</sub> or N <sub>2</sub> . Industrial & Engineering Chemistry Research, 2018, 57, 703-709.	3.7	78
56	Highly Adsorptive Separation of Ethane/Ethylene by An Ethane-Selective MOF MIL-142A. Industrial & Engineering Chemistry Research, 2018, 57, 4063-4069.	3.7	88
57	Novel asphalt-based carbon adsorbents with super-high adsorption capacity and excellent selectivity for separation for light hydrocarbons. Separation and Purification Technology, 2018, 190, 60-67.	7.9	40
58	An ethane-trapping MOF PCN-250 for highly selective adsorption of ethane over ethylene. Chemical Engineering Science, 2018, 175, 110-117.	3.8	177
59	Dynamic catalytic adsorptive desulfurization of real diesel over ultra-stable and low-cost silica gel-supported TiO <sub>2</sub> . AIChE Journal, 2018, 64, 2146-2159.	3.6	51
60	Unusual Moisture-Enhanced CO <sub>2</sub> Capture within Microporous PCN-250 Frameworks. ACS Applied Materials & Interfaces, 2018, 10, 38638-38647.	8.0	57
61	Regeneration of AgXO@SBA-15 for reactive adsorptive desulfurization of fuel. Petroleum Science, 2018, 15, 857-869.	4.9	10
62	Highly selective adsorption separation of light hydrocarbons with a porphyrinic zirconium metal-organic framework PCN-224. Separation and Purification Technology, 2018, 207, 262-268.	7.9	67
63	Selective Adsorptive Separation of CO <sub>2</sub> /CH <sub>4</sub> and CO <sub>2</sub> /N <sub>2</sub> by a Water Resistant Zirconium-Porphyrin Metal-Organic Framework. Industrial & Engineering Chemistry Research, 2018, 57, 12215-12224.	3.7	48
64	Asphalt-derived high surface area activated porous carbons for the effective adsorption separation of ethane and ethylene. Chemical Engineering Science, 2017, 162, 192-202.	3.8	92
65	Highly active and selective Co-based Fischer-Tropsch catalysts derived from metal-organic frameworks. AIChE Journal, 2017, 63, 2935-2944.	3.6	34
66	Selective Adsorption of Light Alkanes on a Highly Robust Indium Based Metal-Organic Framework. Industrial & Engineering Chemistry Research, 2017, 56, 4488-4495.	3.7	59
67	Zeolitic Imidazolate Framework Membranes Supported on Macroporous Carbon Hollow Fibers by Fluidic Processing Techniques. Advanced Materials Interfaces, 2017, 4, 1700080.	3.7	34
68	Novel glucose-based adsorbents (Glc-Cs) with high CO <sub>2</sub> capacity and excellent CO <sub>2</sub> /CH <sub>4</sub> /N <sub>2</sub> adsorption selectivity. Chemical Engineering Journal, 2017, 327, 51-59.	12.7	54
69	Formation of willow leaf-like structures composed of NH <sub>2</sub> -MIL68(In) on a multifunctional multiwalled carbon nanotube backbone for enhanced photocatalytic reduction of Cr(VI). Nano Research, 2017, 10, 3543-3556.	10.4	65
70	Efficient Mechanochemical Synthesis of MOF-5 for Linear Alkanes Adsorption. Journal of Chemical & Engineering Data, 2017, 62, 2030-2036.	1.9	101
71	Efficient adsorptive separation of C <sub>3</sub> H <sub>6</sub> over C <sub>3</sub> H <sub>8</sub> on flexible and thermoresponsive CPL-1. Chemical Engineering Journal, 2017, 328, 360-367.	12.7	81
72	Efficient kinetic separation of propene and propane using two microporous metal organic frameworks. Chemical Communications, 2017, 53, 9332-9335.	4.1	91

#	ARTICLE	IF	CITATIONS
73	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.	3.8	30
74	Enhanced Adsorption Performance of Aromatics on a Novel Chromium-Based MIL-101@Graphite Oxide Composite. <i>Energy &amp; Fuels</i> , 2017, 31, 13985-13990.	5.1	20
75	Selective Adsorption Performances of UiO-67 for Separation of Light Hydrocarbons C1, C2, and C3. <i>Industrial &amp; Engineering Chemistry Research</i> , 2017, 56, 8689-8696.	3.7	63
76	Ultrafast room temperature synthesis of novel composites Imi@Cu-BTC with improved stability against moisture. <i>Chemical Engineering Journal</i> , 2017, 307, 537-543.	12.7	51
77	A new MOF-505@GO composite with high selectivity for CO <sub>2</sub> /CH <sub>4</sub> and CO <sub>2</sub> /N <sub>2</sub> separation. <i>Chemical Engineering Journal</i> , 2017, 308, 1065-1072.	12.7	230
78	A novel carbonized polydopamine (Câ€PDA) adsorbent with high CO <sub>2</sub> adsorption capacity and water vapor resistance. <i>AIChE Journal</i> , 2016, 62, 3730-3738.	3.6	43
79	A novel bimetallic MIL-101(Cr, Mg) with high CO <sub>2</sub> adsorption capacity and CO <sub>2</sub> /N <sub>2</sub> selectivity. <i>Chemical Engineering Science</i> , 2016, 147, 109-117.	3.8	136
80	Improved Ethanol Adsorption Capacity and Coefficient of Performance for Adsorption Chillers of Cu-BTC@GO Composite Prepared by Rapid Room Temperature Synthesis. <i>Industrial &amp; Engineering Chemistry Research</i> , 2016, 55, 11767-11774.	3.7	24
81	Ultrafast room temperature synthesis of GrO@HKUST-1 composites with high CO <sub>2</sub> adsorption capacity and CO <sub>2</sub> /N <sub>2</sub> adsorption selectivity. <i>Chemical Engineering Journal</i> , 2016, 303, 231-237.	12.7	117
82	Ethane selective adsorbent Ni(bdc)(ted) <sub>0.5</sub> with high uptake and its significance in adsorption separation of ethane and ethylene. <i>Chemical Engineering Science</i> , 2016, 148, 275-281.	3.8	141
83	Graphene-Immobilized <i>fac</i> -Re(bipy)(CO) <sub>3</sub> Cl for Syngas Generation from Carbon Dioxide. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 4192-4198.	8.0	21
84	Catalytic adsorptive desulfurization of model diesel fuel using TiO <sub>2</sub> /SBA-15 under mild conditions. <i>Fuel</i> , 2016, 174, 118-125.	6.4	67
85	Design, Synthesis, and Characterization of a Bifunctional Chelator with Ultrahigh Capacity for Uranium Uptake from Seawater Simulant. <i>Industrial &amp; Engineering Chemistry Research</i> , 2016, 55, 4170-4178.	3.7	25
86	Preparation of CuCl@AC with high CO adsorption capacity and selectivity from CO/N <sub>2</sub> binary mixture. <i>Adsorption</i> , 2015, 21, 373-381.	3.0	26
87	Removal of organic sulfur compounds from diesel by adsorption on carbon materials. <i>Reviews in Chemical Engineering</i> , 2015, 31, .	4.4	34
88	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.	3.2	7
89	Chemoselective Hydrogenation of Cinnamaldehyde over a Pt-Lewis Acid Collaborative Catalyst under Ambient Conditions. <i>Industrial &amp; Engineering Chemistry Research</i> , 2015, 54, 1487-1497.	3.7	60
90	Enhanced separation performance of a novel composite material GrO@MIL-101 for CO <sub>2</sub> /CH <sub>4</sub> binary mixture. <i>Chemical Engineering Journal</i> , 2015, 266, 339-344.	12.7	106

#	ARTICLE	IF	CITATIONS
91	Highly enhanced and weakened adsorption properties of two MOFs by water vapor for separation of CO <sub>2</sub> /CH <sub>4</sub> and CO <sub>2</sub> /N <sub>2</sub> binary mixtures. <i>Chemical Engineering Journal</i> , 2015, 270, 385-392.	12.7	115
92	A CO <sub>2</sub> -stable hollow fiber membrane with high hydrogen permeation flux. <i>AIChE Journal</i> , 2015, 61, 1997-2007.	3.6	45
93	Highly stable Pt-P alloy nanotube arrays as a catalyst for the oxygen reduction reaction in acidic medium. <i>Chemical Science</i> , 2015, 6, 3211-3216.	7.4	63
94	Flexible and mechanically-stable MIL-101(Cr)@PFs for efficient benzene vapor and CO <sub>2</sub> adsorption. <i>RSC Advances</i> , 2015, 5, 94276-94282.	3.6	21
95	Binder-free Co <sub>3</sub> O <sub>4</sub> 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.	10.3	39
96	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.	3.6	92
97	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.	12.7	220
98	Carbon nanotube catalysts for oxidative desulfurization of a model diesel fuel using molecular oxygen. <i>Green Chemistry</i> , 2014, 16, 211-220.	9.0	183
99	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.	10.3	57
100	Partial oxidation of methane in hollow fiber membrane reactors based on alkaline earth metal-free CO <sub>2</sub> -tolerant oxide. <i>AIChE Journal</i> , 2014, 60, 3587-3595.	3.6	25
101	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.	10.3	202
102	Graphene-wrapped chromium-MOF(MIL-101)/sulfur composite for performance improvement of high-rate rechargeable Li-S batteries. <i>Journal of Materials Chemistry A</i> , 2014, 2, 13509-13512.	10.3	171
103	Preparation and Adsorption Performance of GrO@Cu-BTC for Separation of CO <sub>2</sub> /CH <sub>4</sub> . <i>Industrial &amp; Engineering Chemistry Research</i> , 2014, 53, 11176-11184.	3.7	124
104	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.	3.6	23
105	Experimental and molecular simulation studies of CO <sub>2</sub> adsorption on zeolitic imidazolate frameworks: ZIF-8 and amine-modified ZIF-8. <i>Adsorption</i> , 2013, 19, 25-37.	3.0	115
106	Substantial Recoverable Energy Storage in Percolative Metallic Aluminum-Polypropylene Nanocomposites. <i>Advanced Functional Materials</i> , 2013, 23, 3560-3569.	14.9	87
107	S/O-Functionalities on Modified Carbon Materials Governing Adsorption of Water Vapor. <i>Journal of Physical Chemistry C</i> , 2013, 117, 23057-23065.	3.1	32
108	Oxy-fuel combustion for CO <sub>2</sub> capture using a CO <sub>2</sub> -tolerant oxygen transporting membrane. <i>AIChE Journal</i> , 2013, 59, 3856-3862.	3.6	13

#	ARTICLE	IF	CITATIONS
109	Decomposition of Toluene in a Plasma Catalysis System with NiO, MnO <sub>2</sub> , CeO <sub>2</sub> , Fe <sub>2</sub> O <sub>3</sub> , and CuO Catalysts. Plasma Chemistry and Plasma Processing, 2013, 33, 1073-1082.	2.4	43
110	Effect of Textural Properties on the Adsorption and Desorption of Toluene on the Metal-Organic Frameworks HKUST-1 and MIL-101. Adsorption Science and Technology, 2013, 31, 325-339.	3.2	44
111	An Overview of Adsorbents in the Rotary Desiccant Dehumidifier for Air Dehumidification. Drying Technology, 2013, 31, 1334-1345.	3.1	77
112	Enhancement of CO <sub>2</sub> Adsorption and Selectivity on ZIF-8 via Postsynthetic Modification. AIChE Journal, 2013, 59, 2195-2206.	3.6	171
113	Adsorption Isotherms, Kinetics, and Desorption of 1,2-Dichloroethane on Chromium-Based Metal Organic Framework MIL-101. Separation Science and Technology, 2013, 48, 1479-1489.	2.5	49
114	Metal-organic framework MIL-101 doped with palladium for toluene adsorption and hydrogen storage. RSC Advances, 2013, 4, 2414-2420.	3.6	52
115	Lubrication Properties of Polyalphaolefin and Polysiloxane Lubricants: Molecular Structure-Tribology Relationships. Tribology Letters, 2012, 48, 355.	2.6	44
116	Effects of Aromatics, Diesel Additives, Nitrogen Compounds, and Moisture on Adsorptive Desulfurization of Diesel Fuel over Activated Carbon. Industrial & Engineering Chemistry Research, 2012, 51, 3436-3443.	3.7	124
117	Oxygen permeation through a CO <sub>2</sub> -tolerant mixed conducting oxide (Pr <sub>0.9</sub> La <sub>0.1</sub> ) <sub>2</sub> (Ni <sub>0.74</sub> Cu <sub>0.21</sub> Ga <sub>0.05</sub> )O <sub>4+δ</sub> . AIChE Journal, 2012, 58, 2473-2478.	3.6	47
118	Oxygen separation through U-shaped hollow fiber membrane using pure CO <sub>2</sub> as sweep gas. AIChE Journal, 2012, 58, 2856-2864.	3.6	47
119	Role of Temperature in the Structure of Zn(II)-1,4-BDC Metal-Organic Frameworks and their Adsorption and Diffusion Properties for Carbon Dioxide. Separation Science and Technology, 2011, 46, 1337-1345.	2.5	7
120	Adsorption Equilibrium and Kinetics of CO <sub>2</sub> on Chromium Terephthalate MIL-101. Energy & Fuels, 2011, 25, 835-842.	5.1	149
121	Adsorption and Diffusion of Benzene on Chromium-Based Metal Organic Framework MIL-101 Synthesized by Microwave Irradiation. Industrial & Engineering Chemistry Research, 2011, 50, 2254-2261.	3.7	127
122	Adsorption and Diffusion of Ethyl Acetate on the Chromium-Based Metal-Organic Framework MIL-101. Journal of Chemical & Engineering Data, 2011, 56, 3419-3425.	1.9	32
123	Adsorption equilibrium and kinetics of p-xylene on chromium-based metal organic framework MIL-101. Chemical Engineering Journal, 2011, 173, 150-157.	12.7	77
124	Preparation and oxygen permeation of U-shaped perovskite hollow fiber membranes. AIChE Journal, 2011, 57, 975-984.	3.6	55
125	Adsorption of CO <sub>2</sub> on Zeolite 13X and Activated Carbon with Higher Surface Area. Separation Science and Technology, 2010, 45, 710-719.	2.5	109
126	Enhancement of CO <sub>2</sub> adsorption on high surface area activated carbon modified by N <sub>2</sub> , H <sub>2</sub> and ammonia. Chemical Engineering Journal, 2010, 160, 571-577.	12.7	164



#	ARTICLE	IF	CITATIONS
127	Dynamics and isotherms of water vapor sorption on mesoporous silica gels modified by different salts. <i>Kinetics and Catalysis</i> , 2010, 51, 754-761.	1.0	35
128	Adsorption of Dibenzothiophene on Ag/Cu/Fe-Supported Activated Carbons Prepared by Ultrasonic-Assisted Impregnation. <i>Journal of Chemical &amp; Engineering Data</i> , 2010, 55, 5818-5823.	1.9	57
129	Equilibrium and Do <sup>o</sup> Do Model Fitting of Water Adsorption on Four Commercial Activated Carbons with Different Surface Chemistry and Pore Structure. <i>Journal of Chemical &amp; Engineering Data</i> , 2010, 55, 5729-5732.	1.9	21
130	Î <sup>2</sup> -Cyclodextrin promoted oxidation of primary amines to nitriles in water. <i>Frontiers of Chemical Engineering in China</i> , 2009, 3, 196-200.	0.6	4
131	Adsorption of Benzothiophene and Dibenzothiophene on Ion-Impregnated Activated Carbons and Ion-Exchanged Y Zeolites. <i>Energy &amp; Fuels</i> , 2008, 22, 3858-3863.	5.1	112
132	Effect of ultrasound on desorption kinetics of phenol from polymeric resin. <i>Ultrasonics Sonochemistry</i> , 2006, 13, 225-231.	8.2	19
133	Controllable oxidation of sulfides to sulfoxides and sulfones with aqueous hydrogen peroxide in the presence of Î <sup>2</sup> -cyclodextrin. <i>Russian Journal of Organic Chemistry</i> , 2006, 42, 959-961.	0.8	20
134	Estimation of kinetics parameters in Beckmann rearrangement of cyclohexanone oxime using genetic algorithm. <i>Central South University</i> , 2006, 13, 383-388.	0.5	1
135	Influence of the microporosity and surface chemistry of polymeric resins on adsorptive properties toward phenol. <i>Journal of Hazardous Materials</i> , 2004, 113, 131-135.	12.4	27
136	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.	3.2	25