Zhong Li

List of Publications by Year in Descending Order

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	Preferential Adsorption Performance of Ethane in a Robust Nickel-Based Metal-Organic Framework for Separating Ethane from Ethylene.. *ACS Omega*, **2022**, 7, 7648-7654	3.9	2
129	A novel mechanism of controlling ultramicropore size in carbons at sub-angstrom level for molecular sieving of propylene/propane mixtures. *Journal of Materials Chemistry A*, **2021**, 9, 23873-23881	13	2
128	Catalytic adsorptive desulfurization of mercaptan, sulfide and disulfide using bifunctional Ti-based adsorbent for ultra-clean oil. *Chinese Journal of Chemical Engineering*, **2021**, 42, 25-25	3.2	0
127	Separation of propylene and propane with pillar-layer metal-organic frameworks by exploiting thermodynamic-kinetic synergetic effect. *Chemical Engineering Journal*, **2021**, 133284	14.7	0
126	Highly Efficient Capture of Postcombustion Generated CO2 through a Copper-Based Metal□Organic Framework. *Energy & Fuels*, **2021**, 35, 610-617	4.1	7
125	Insights into the Structure-Activity Relationship in Aerobic Alcohol Oxidation over a Metal-Organic-Framework-Supported Molybdenum(VI) Catalyst. *Journal of the American Chemical Society*, **2021**, 143, 4302-4310	16.4	17
124	Adsorption Property of Starch-Based Microporous Carbon Materials with High Selectivity and Uptake for C1/C2/C3 Separation. *Industrial & Engineering Chemistry Research*, **2021**, 60, 4668-4676	3.9	2
123	Tuning the Structural Flexibility for Multi-Responsive Gas Sorption in Isonicotinate-Based Metal-Organic Frameworks. *ACS Applied Materials & Interfaces*, **2021**, 13, 16820-16827	9.5	10
122	Ultramicroporous carbons featuring sub-□gstrom tunable apertures for the selective separation of light hydrocarbon. *AICHE Journal*, **2021**, 67, e17285	3.6	6
121	Integration of Earth-Abundant Photosensitizers and Catalysts in Metal□Organic Frameworks Enhances Photocatalytic Aerobic Oxidation. *ACS Catalysis*, **2021**, 11, 1024-1032	13.1	18
120	Heterometallic Ce/ V Oxo Clusters with Adjustable Catalytic Reactivities. *Journal of the American Chemical Society*, **2021**,	16.4	0
119	Structural Diversity of Zirconium Metal-Organic Frameworks and Effect on Adsorption of Toxic Chemicals. *Journal of the American Chemical Society*, **2020**, 142, 21428-21438	16.4	44
118	Enhancing Selective Adsorption in a Robust Pillared-Layer Metal-Organic Framework via Channel Methylation for the Recovery of C2-C3 from Natural Gas. *ACS Applied Materials & Interfaces*, **2020**, 12, 51499-51505	9.5	13
117	Desulfurization Kinetics and Regeneration of Silica Gel-Supported TiO2 Extrudates for Reactive Adsorptive Desulfurization of Real Diesel. *Industrial & Engineering Chemistry Research*, **2020**, 59, 10130-10141	3.9	13
116	Improving CH4/N2 selectivity within isomeric Al-based MOFs for the highly selective capture of coal-mine methane. *AICHE Journal*, **2020**, 66, e16287	3.6	16
115	Selective extraction of methane from C1/C2/C3 on moisture-resistant MIL-142A with interpenetrated networks. *Chemical Engineering Journal*, **2020**, 395, 125057	14.7	9
114	Room-Temperature Synthesis of Pyr1/3@CuBTC with Enhanced Stability and Its Excellent Performance for Separation of Propylene/Propane. *Industrial & Engineering Chemistry Research* , **2020**, 59, 6202-6209	3.9	6

113	Oxygen-Selective Adsorption Property of Ultramicroporous MOF Cu(Qc)2 for Air Separation. *Industrial & Engineering Chemistry Research*, **2020**, 59, 6219-6225	3.9	4
112	Bimetallic ions regulate pore size and chemistry of zeolites for selective adsorption of ethylene from ethane. *Chemical Engineering Science*, **2020**, 220, 115636	4.4	13
111	Facile synthesis of ultramicroporous carbon adsorbents with ultra-high CH4 uptake by in situ ionic activation. *AICHE Journal*, **2020**, 66, e16231	3.6	13
110	Cerium-Based Metal-Organic Layers Catalyze Hydrogen Evolution Reaction through Dual Photoexcitation. *Journal of the American Chemical Society*, **2020**, 142, 6866-6871	16.4	27
109	Metal-Organic Frameworks Integrate Cu Photosensitizers and Secondary Building Unit-Supported Fe Catalysts for Photocatalytic Hydrogen Evolution. *Journal of the American Chemical Society*, **2020**, 142, 10302-10307	16.4	47
108	Efficient adsorptive separation of propene over propane through a pillar-layer cobalt-based metal□organic framework. *AICHE Journal*, **2020**, 66, e16858	3.6	16
107	Synthesis of novel particle rice-based carbon materials and its excellent CH4/N2 adsorption selectivity for methane enrichment from Low-rank natural gas. *Chemical Engineering Journal*, **2020**, 384, 123388	14.7	22
106	Metal-Organic Frameworks Significantly Enhance Photocatalytic Hydrogen Evolution and CO Reduction with Earth-Abundant Copper Photosensitizers. *Journal of the American Chemical Society*, **2020**, 142, 690-695	16.4	109
105	Room temperature synthesis of Cu(Qc)2 and its application for ethane capture from light hydrocarbons. *Chemical Engineering Science*, **2020**, 213, 115355	4.4	18
104	Insights into the Structure□Activity Relationships in Metal□Organic Framework-Supported Nickel Catalysts for Ethylene Hydrogenation. *ACS Catalysis*, **2020**, 10, 8995-9005	13.1	11
103	Tuning the Atrazine Binding Sites in an Indium-Based Flexible Metal-Organic Framework. *ACS Applied Materials & Interfaces*, **2020**, 12, 44762-44768	9.5	9
102	Zirconium-Based Metal□Organic Framework with 9-Connected Nodes for Ammonia Capture. *ACS Applied Nano Materials*, **2019**, 2, 6098-6102	5.6	37
101	Rapid room temperature conversion of hydroxy double salt to MOF-505 for CO2 capture. *CrystEngComm*, **2019**, 21, 165-171	3.3	8
100	Metal-Organic Framework Stabilizes a Low-Coordinate Iridium Complex for Catalytic Methane Borylation. *Journal of the American Chemical Society*, **2019**, 141, 11196-11203	16.4	39
99	Ethane-Selective Behavior Achieved on a Nickel-Based Metal□Organic Framework: Impact of Pore Effect and Hydrogen Bonds. *Industrial & Engineering Chemistry Research*, **2019**, 58, 10516-10523	3.9	9
98	Vanadium Catalyst on Isostructural Transition Metal, Lanthanide, and Actinide Based Metal-Organic Frameworks for Alcohol Oxidation. *Journal of the American Chemical Society*, **2019**, 141, 8306-8314	16.4	81
97	Moisture stability of ethane-selective Ni(II), Fe(III), Zr(IV)-based metal□organic frameworks. *AICHE Journal*, **2019**, 65, e16616	3.6	20
96	Pore environment engineering in metal□organic frameworks for efficient ethane/ethylene separation. *Journal of Materials Chemistry A*, **2019**, 7, 13585-13590	13	63

95	Selectively Trapping Ethane from Ethylene on Metal□Organic Framework MIL-53(Al)-FA. *Industrial & Engineering Chemistry Research*, **2019**, 58, 8290-8295	3.9	19
94	Ultra-Deep Desulfurization of Real Diesel Using Two-Layer Silica Gels under Mild Conditions. *Energy & Fuels*, **2019**, 33, 7287-7296	4.1	12
93	Ultrahigh CO2/CH4 and CO2/N2 adsorption selectivities on a cost-effectively L-aspartic acid based metal-organic framework. *Chemical Engineering Journal*, **2019**, 375, 122074	14.7	26
92	Novel room-temperature synthesis of MIL-100(Fe) and its excellent adsorption performances for separation of light hydrocarbons. *Chemical Engineering Journal*, **2019**, 355, 679-686	14.7	37
91	An indium-based ethane-trapping MOF for efficient selective separation of C2H6/C2H4 mixture. *Separation and Purification Technology*, **2019**, 212, 51-56	8.3	32
90	Enhanced CO2 Adsorption and CO2/N2/CH4 Selectivity of Novel Carbon Composites [email□protected]. *Energy & Fuels*, **2019**, 33, 493-502	4.1	14
89	Glycine-Modified HKUST-1 with Simultaneously Enhanced Moisture Stability and Improved Adsorption for Light Hydrocarbons Separation. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 1557-1563	8.3	21
88	Tuning secondary building unit of Cu-BTC to simultaneously enhance its CO2 selective adsorption and stability under moisture. *Chemical Engineering Journal*, **2019**, 355, 815-821	14.7	34
87	Postsynthetic Strategy To Prepare ACN@Cu-BTCs with Enhanced Water Vapor Stability and CO2/CH4 Separation Selectivity. *Industrial & Engineering Chemistry Research*, **2018**, 57, 3765-3772	3.9	25
86	Ethane-selective carbon composites CPDA@A-ACs with high uptake and its enhanced ethane/ethylene adsorption selectivity. *AICHE Journal*, **2018**, 64, 3390-3399	3.6	21
85	Selective Adsorption of Ethane over Ethylene in PCN-245: Impacts of Interpenetrated Adsorbent. *ACS Applied Materials & Interfaces*, **2018**, 10, 8366-8373	9.5	77
84	Iron-Based Metal-Organic Framework with Hydrophobic Quadrilateral Channels for Highly Selective Separation of Hexane Isomers. *ACS Applied Materials & Interfaces*, **2018**, 10, 6031-6038	9.5	27
83	Liquid-Assisted Mechanochemical Synthesis of Copper Based MOF-505 for the Separation of CO2 over CH4 or N2. *Industrial & Engineering Chemistry Research*, **2018**, 57, 703-709	3.9	48
82	Highly Adsorptive Separation of Ethane/Ethylene by An Ethane-Selective MOF MIL-142A. *Industrial & Engineering Chemistry Research*, **2018**, 57, 4063-4069	3.9	61
81	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	8.3	20
80	An ethane-trapping MOF PCN-250 for highly selective adsorption of ethane over ethylene. *Chemical Engineering Science*, **2018**, 175, 110-117	4.4	125
79	Highly selective adsorption separation of light hydrocarbons with a porphyrinic zirconium metal-organic framework PCN-224. *Separation and Purification Technology*, **2018**, 207, 262-268	8.3	33
78	Selective Adsorptive Separation of CO2/CH4 and CO2/N2 by a Water Resistant Zirconium□Porphyrin Metal□Organic Framework. *Industrial & Engineering Chemistry Research*, **2018**, 57, 12215-12224	3.9	28

77	Dynamic catalytic adsorptive desulfurization of real diesel over ultra-stable and low-cost silica gel-supported TiO2. *AICHE Journal*, **2018**, 64, 2146-2159	3.6	33
76	Unusual Moisture-Enhanced CO Capture within Microporous PCN-250 Frameworks. *ACS Applied Materials & Interfaces*, **2018**, 10, 38638-38647	9.5	33
75	Regeneration of AgXO@SBA-15 for reactive adsorptive desulfurization of fuel. *Petroleum Science*, **2018**, 15, 857-869	4.4	6
74	Asphalt-derived high surface area activated porous carbons for the effective adsorption separation of ethane and ethylene. *Chemical Engineering Science*, **2017**, 162, 192-202	4.4	68
73	Highly active and selective Co-based Fischer□ropsch catalysts derived from metal□rganic frameworks. *AICHE Journal*, **2017**, 63, 2935-2944	3.6	28
72	Selective Adsorption of Light Alkanes on a Highly Robust Indium Based Metal□Organic Framework. *Industrial & Engineering Chemistry Research*, **2017**, 56, 4488-4495	3.9	36
71	Zeolitic Imidazolate Framework Membranes Supported on Macroporous Carbon Hollow Fibers by Fluidic Processing Techniques. *Advanced Materials Interfaces*, **2017**, 4, 1700080	4.6	29
70	Novel glucose-based adsorbents (Glc-Cs) with high CO 2 capacity and excellent CO 2 /CH 4 /N 2 adsorption selectivity. *Chemical Engineering Journal*, **2017**, 327, 51-59	14.7	37
69	Formation of willow leaf-like structures composed of NH2-MIL68(In) on a multifunctional multiwalled carbon nanotube backbone for enhanced photocatalytic reduction of Cr(VI). *Nano Research*, **2017**, 10, 3543-3556	10	51
68	Efficient Mechanochemical Synthesis of MOF-5 for Linear Alkanes Adsorption. *Journal of Chemical & Engineering Data*, **2017**, 62, 2030-2036	2.8	64
67	Efficient adsorptive separation of C3H6 over C3H8 on flexible and thermoresponsive CPL-1. *Chemical Engineering Journal*, **2017**, 328, 360-367	14.7	45
66	Efficient kinetic separation of propene and propane using two microporous metal organic frameworks. *Chemical Communications*, **2017**, 53, 9332-9335	5.8	65
65	Novel glucose-based adsorbents (Glc-As) with preferential adsorption of ethane over ethylene and high capacity. *Chemical Engineering Science*, **2017**, 172, 612-621	4.4	26
64	Enhanced Adsorption Performance of Aromatics on a Novel Chromium-Based [email□protected] Oxide Composite. *Energy & Fuels*, **2017**, 31, 13985-13990	4.1	11
63	Selective Adsorption Performances of UiO-67 for Separation of Light Hydrocarbons C1, C2, and C3. *Industrial & Engineering Chemistry Research*, **2017**, 56, 8689-8696	3.9	36
62	Ultrafast room temperature synthesis of novel composites Imi@Cu-BTC with improved stability against moisture. *Chemical Engineering Journal*, **2017**, 307, 537-543	14.7	38
61	A new MOF-505@GO composite with high selectivity for CO 2 /CH 4 and CO 2 /N 2 separation. *Chemical Engineering Journal*, **2017**, 308, 1065-1072	14.7	163
60	Improved Ethanol Adsorption Capacity and Coefficient of Performance for Adsorption Chillers of [email□protected] Composite Prepared by Rapid Room Temperature Synthesis. *Industrial & Engineering Chemistry Research*, **2016**, 55, 11767-11774	3.9	21

59	Ultrafast room temperature synthesis of GrO@HKUST-1 composites with high CO2 adsorption capacity and CO2/N2 adsorption selectivity. *Chemical Engineering Journal*, **2016**, 303, 231-237	14.7	83
58	Ethane selective adsorbent Ni(bdc)(ted)0.5 with high uptake and its significance in adsorption separation of ethane and ethylene. *Chemical Engineering Science*, **2016**, 148, 275-281	4.4	98
57	Graphene-Immobilized fac-Re(bipy)(CO)3Cl for Syngas Generation from Carbon Dioxide. *ACS Applied Materials & Interfaces*, **2016**, 8, 4192-8	9.5	20
56	Catalytic adsorptive desulfurization of model diesel fuel using TiO2/SBA-15 under mild conditions. *Fuel*, **2016**, 174, 118-125	7.1	56
55	Design, Synthesis, and Characterization of a Bifunctional Chelator with Ultrahigh Capacity for Uranium Uptake from Seawater Simulant. *Industrial & Engineering Chemistry Research*, **2016**, 55, 4170-4178	3.9	20
54	A novel carbonized polydopamine (C-PDA) adsorbent with high CO2 adsorption capacity and water vapor resistance. *AICHE Journal*, **2016**, 62, 3730-3738	3.6	31
53	A novel bimetallic MIL-101(Cr, Mg) with high CO2 adsorption capacity and CO2/N2 selectivity. *Chemical Engineering Science*, **2016**, 147, 109-117	4.4	86
52	Enhanced separation performance of a novel composite material GrO@MIL-101 for CO2/CH4 binary mixture. *Chemical Engineering Journal*, **2015**, 266, 339-344	14.7	88
51	Highly enhanced and weakened adsorption properties of two MOFs by water vapor for separation of CO2/CH4 and CO2/N2 binary mixtures. *Chemical Engineering Journal*, **2015**, 270, 385-392	14.7	77
50	A CO2-stable hollow-fiber membrane with high hydrogen permeation flux. *AICHE Journal*, **2015**, 61, 1997-2007	3.7	36
49	Highly stable PtP alloy nanotube arrays as a catalyst for the oxygen reduction reaction in acidic medium. *Chemical Science*, **2015**, 6, 3211-3216	9.4	53
48	Flexible and mechanically-stable MIL-101(Cr)@PFs for efficient benzene vapor and CO2 adsorption. *RSC Advances*, **2015**, 5, 94276-94282	3.7	14
47	Binder-free Co□CoOx nanowire arrays for lithium ion batteries with excellent rate capability and ultra-long cycle life. *Journal of Materials Chemistry A*, **2015**, 3, 19711-19717	13	34
46	Competitive adsorption of water vapor with VOCs dichloroethane, ethyl acetate and benzene on MIL-101(Cr) in humid atmosphere. *RSC Advances*, **2015**, 5, 1827-1834	3.7	73
45	Competitive adsorption and selectivity of benzene and water vapor on the microporous metal organic frameworks (HKUST-1). *Chemical Engineering Journal*, **2015**, 259, 79-89	14.7	175
44	Preparation of CuCl@AC with high CO adsorption capacity and selectivity from CO/N2 binary mixture. *Adsorption*, **2015**, 21, 373-381	2.6	20
43	Removal of organic sulfur compounds from diesel by adsorption on carbon materials. *Reviews in Chemical Engineering*, **2015**, 31,	5	30
42	Competitive Adsorption of Carbon Monoxide and Water Vapour on MIL-100(Fe) Prepared Using a Microwave Method. *Adsorption Science and Technology*, **2015**, 33, 279-296	3.6	3

41	Chemoselective Hydrogenation of Cinnamaldehyde over a Pt-Lewis Acid Collaborative Catalyst under Ambient Conditions. *Industrial & Engineering Chemistry Research*, **2015**, 54, 1487-1497	3.9	40
40	Carbon nanotube catalysts for oxidative desulfurization of a model diesel fuel using molecular oxygen. *Green Chemistry*, **2014**, 16, 211-220	10	158
39	Metal□rganic framework MIL-101 doped with palladium for toluene adsorption and hydrogen storage. *RSC Advances*, **2014**, 4, 2414-2420	3.7	43
38	Novel nitrogen-rich porous carbon spheres as a high-performance anode material for lithium-ion batteries. *Journal of Materials Chemistry A*, **2014**, 2, 16617-16622	13	50
37	Partial oxidation of methane in hollow-fiber membrane reactors based on alkaline-earth metal-free CO2-tolerant oxide. *AICHE Journal*, **2014**, 60, 3587-3595	3.6	22
36	A novel MOF/graphene oxide composite GrO@MIL-101 with high adsorption capacity for acetone. *Journal of Materials Chemistry A*, **2014**, 2, 4722-4730	13	165
35	Graphene-wrapped chromium-MOF(MIL-101)/sulfur composite for performance improvement of high-rate rechargeable Li□ batteries. *Journal of Materials Chemistry A*, **2014**, 2, 13509-13512	13	144
34	Preparation and Adsorption Performance of [email□protected] for Separation of CO2/CH4. *Industrial & Engineering Chemistry Research*, **2014**, 53, 11176-11184	3.9	101
33	Thermal stability of phosphorus-containing styrene□crylic copolymer and its fire retardant performance in waterborne intumescent coatings. *Journal of Thermal Analysis and Calorimetry*, **2013**, 114, 937-946	4.1	19
32	Experimental and molecular simulation studies of CO2 adsorption on zeolitic imidazolate frameworks: ZIF-8 and amine-modified ZIF-8. *Adsorption*, **2013**, 19, 25-37	2.6	85
31	Substantial Recoverable Energy Storage in Percolative Metallic Aluminum-Polypropylene Nanocomposites. *Advanced Functional Materials*, **2013**, 23, 3560-3569	15.6	70
30	S/O-Functionalities on Modified Carbon Materials Governing Adsorption of Water Vapor. *Journal of Physical Chemistry C*, **2013**, 117, 23057-23065	3.8	22
29	Oxy-fuel combustion for CO2 capture using a CO2-tolerant oxygen transporting membrane. *AICHE Journal*, **2013**, 59, 3856-3862	3.6	13
28	Decomposition of Toluene in a Plasma Catalysis System with NiO, MnO2, CeO2, Fe2O3, and CuO Catalysts. *Plasma Chemistry and Plasma Processing*, **2013**, 33, 1073-1082	3.6	37
27	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	3.6	31
26	An Overview of Adsorbents in the Rotary Desiccant Dehumidifier for Air Dehumidification. *Drying Technology*, **2013**, 31, 1334-1345	2.6	61
25	Enhancement of CO2 Adsorption and CO2/N2 Selectivity on ZIF-8 via Postsynthetic Modification. *AICHE Journal*, **2013**, 59, 2195-2206	3.6	137
24	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	41

23	Lubrication Properties of Polyalphaolefin and Polysiloxane Lubricants: Molecular Structure–Tribology Relationships. *Tribology Letters*, **2012**, 48, 355	2.8	35
22	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	3.9	113
21	Oxygen permeation through a CO2-tolerant mixed conducting oxide (Pr0.9La0.1)2(Ni0.74Cu0.21Ga0.05)O4+δ. *AICHE Journal*, **2012**, 58, 2473-2478	3.6	38
20	Oxygen separation through U-shaped hollow fiber membrane using pure CO2 as sweep gas. *AICHE Journal*, **2012**, 58, 2856-2864	3.6	37
19	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	3.9	109
18	Adsorption and Diffusion of Ethyl Acetate on the Chromium-Based Metal−Organic Framework MIL-101. *Journal of Chemical & Engineering Data*, **2011**, 56, 3419-3425	2.8	26
17	Adsorption equilibrium and kinetics of p-xylene on chromium-based metal organic framework MIL-101. *Chemical Engineering Journal*, **2011**, 173, 150-157	14.7	69
16	Preparation and oxygen permeation of U-shaped perovskite hollow-fiber membranes. *AICHE Journal*, **2011**, 57, 975-984	3.6	54
15	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
14	Adsorption Equilibrium and Kinetics of CO2 on Chromium Terephthalate MIL-101. *Energy & Fuels*, **2011**, 25, 835-842	4.1	126
13	Dynamics and isotherms of water vapor sorption on mesoporous silica gels modified by different salts. *Kinetics and Catalysis*, **2010**, 51, 754-761	1.5	31
12	Adsorption of Dibenzothiophene on Ag/Cu/Fe-Supported Activated Carbons Prepared by Ultrasonic-Assisted Impregnation. *Journal of Chemical & Engineering Data*, **2010**, 55, 5818-5823	2.8	53
11	Equilibrium and Do−Do Model Fitting of Water Adsorption on Four Commercial Activated Carbons with Different Surface Chemistry and Pore Structure. *Journal of Chemical & Engineering Data*, **2010**, 55, 5729-5732	2.8	18
10	Adsorption of CO2 on Zeolite 13X and Activated Carbon with Higher Surface Area. *Separation Science and Technology*, **2010**, 45, 710-719	2.5	91
9	Enhancement of CO2 adsorption on high surface area activated carbon modified by N2, H2 and ammonia. *Chemical Engineering Journal*, **2010**, 160, 571-577	14.7	145
8	β-Cyclodextrin promoted oxidation of primary amines to nitriles in water. *Frontiers of Chemical Engineering in China*, **2009**, 3, 196-200		4
7	Adsorption of Benzothiophene and Dibenzothiophene on Ion-Impregnated Activated Carbons and Ion-Exchanged Y Zeolites. *Energy & Fuels*, **2008**, 22, 3858-3863	4.1	103
6	Estimation of kinetics parameters in Beckmann rearrangement of cyclohexanone oxime using genetic algorithm. *Central South University*, **2006**, 13, 383-388		1

5	Effect of ultrasound on desorption kinetics of phenol from polymeric resin. *Ultrasonics Sonochemistry*, **2006**, 13, 225-31	8.9	16
4	Controllable oxidation of sulfides to sulfoxides and sulfones with aqueous hydrogen peroxide in the presence of β-cyclodextrin. *Russian Journal of Organic Chemistry*, **2006**, 42, 959-961	0.7	18
3	Influence of the microporosity and surface chemistry of polymeric resins on adsorptive properties toward phenol. *Journal of Hazardous Materials*, **2004**, 113, 131-5	12.8	24
2	Estimation of Activation Energy of Desorption of n-Hexanol from Activated Carbons by the TPD Technique. *Adsorption Science and Technology*, **2003**, 21, 125-133	3.6	20
1	The modulation of ethane-selective adsorption performance in series of bimetal PCN-250 metal–organic frameworks: Impact of metal composition. *AICHE Journal*,e17385	3.6	3