Lin-Bing Sun

List of Publications by Year
in descending order

194 papers	10,807 citations	31902 53 h-index	35952 97 g-index
197 all docs	197 docs citations	197 times ranked	10210 citing authors

#	Article	IF	Citations
1	Fabrication of adsorbents with enhanced CuI stability: Creating a superhydrophobic microenvironment through grafting octadecylamine. Chinese Journal of Chemical Engineering, 2023, 55, 41-48.	1.7	5
2	Fabrication of Cu+ sites in confined spaces for adsorptive desulfurization by series connection double-solvent strategy. Green Energy and Environment, 2022, 7, 345-351.	4.7	20
3	Light-responsive adsorbents with tunable adsorbentâ€“adsorbate interactions for selective CO2 capture. Chinese Journal of Chemical Engineering, 2022, 42, 104-111.	1.7	10
4	Rational fabrication of ordered porous solid strong bases by utilizing the inherent reducibility of metal-organic frameworks. Nano Research, 2022, 15, 2905-2912.	5.8	7
5	Causation of catalytic activity of Cu-ZnO for CO2 hydrogenation to methanol. Chemical Engineering Journal, 2022, 430, 132784.	6.6	27
6	Generation of Strong Basicity in Metalâ€“Organic Frameworks: How Do Coordination Solvents Matter?. ACS Applied Materials & Interfaces, 2022, 14, 8058-8065.	4.0	6
7	Exfoliation-induced O-doped g-C₃N₄ nanosheets with improved photoreactivity towards RhB degradation and H₂ evolution. Inorganic Chemistry Frontiers, 2022, 9, 1423-1433.	3.0	17
8	Fabrication of azobenzene-functionalized porous polymers for selective CO2 capture. Chinese Journal of Chemical Engineering, 2022, 43, 24-30.	1.7	5
9	Stabilizing CuI in MIL-101(Cr) by introducing long-chain alkane for adsorptive desulfurization. Separation and Purification Technology, 2022, 290, 120892.	3.9	16
10	Process-Oriented Smart Adsorbents: Tailoring the Properties Dynamically as Demanded by Adsorption/Desorption. Accounts of Chemical Research, 2022, 55, 75-86.	7.6	25
11	Implementing An â€œImpracticableâ€•Copolymerization to Fabricate A Desired Polymer Precursor for N-doped Porous Carbons. Engineering, 2022, , .	3.2	5
12	Generating strongly basic sites on magnetic nano-stirring bars: Multifunctional integrated catalysts for transesterification reaction. Science China Materials, 2022, 65, 2721-2728.	3.5	3
13	Selective adsorption of ethane over ethylene through a metalâ€“organic framework bearing dense alkyl groups. Separation and Purification Technology, 2022, 295, 121330.	3.9	9
14	Modulating the Activity of Enzyme in Metalâ€“Organic Frameworks Using the Photothermal Effect of Ti₃C₂ Nanosheets. ACS Applied Materials & Interfaces, 2022, 14, 30090-30098.	4.0	7
15	Porous Mn₂O₃/<i>p</i>SiO₂ Nanocomposites on Bio-scaffolds for Tetracycline Degradation. ACS Applied Nano Materials, 2022, 5, 9117-9128.	2.4	15
16	Solitary Medium of a Multifunctional Ionic Liquid for Crystallizing Hierarchically Porous Metalâ€“Organic Frameworks. Inorganic Chemistry, 2022, 61, 10393-10401.	1.9	6
17	Low-temperature conversion of base precursor KNO3 on coreâ€“shell structured Fe3O4@C: Fabrication of magnetically responsive solid strong bases. Catalysis Today, 2021, 374, 200-207.	2.2	5
18	Smart adsorbents for CO2 capture: Making strong adsorption sites respond to visible light. Science China Materials, 2021, 64, 383-392.	3.5	14

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19	Hybridization with Ti₃C₂T<i>_x</i> MXene: An Effective Approach to Boost the Hydrothermal Stability and Catalytic Performance of Metalâ€“Organic Frameworks. Inorganic Chemistry, 2021, 60, 1380-1387.	1.9	17
20	Controllable Microporous Framework Isomerism within Continuous Mesoporous Channels: Hierarchically Porous Structure for Capture of Bulky Molecules. Inorganic Chemistry, 2021, 60, 6633-6640.	1.9	5
21	Breathing Metalâ€“Organic Polyhedra Controlled by Light for Carbon Dioxide Capture and Liberation. CCS Chemistry, 2021, 3, 1659-1668.	4.6	28
22	Adjusting accommodation microenvironment for Cu⁺ to enhance oxidation inhibition for thiophene capture. AICHE Journal, 2021, 67, e17368.	1.8	17
23	Near-infrared light triggered release of ethane from a photothermal metal-organic framework. Chemical Engineering Journal, 2021, 420, 130490.	6.6	17
24	Se/S enhanced room-temperature phosphorescence of organic polymers. Dyes and Pigments, 2021, 195, 109663.	2.0	14
25	The cascade catalysis of the porphyrinic zirconium metalâ€“organic framework PCN-224-Cu for CO₂ conversion to alcohols. Journal of Materials Chemistry A, 2021, 9, 24510-24516.	5.2	25
26	Construction of a superhydrophobic microenvironment<i>via</i>polystyrene coating: an unexpected way to stabilize Cu^Iagainst oxidation. Inorganic Chemistry Frontiers, 2021, 8, 5169-5177.	3.0	7
27	Investigation on the Preparation of Rice Straw-Derived Cellulose Acetate and Its Spinnability for Electrospinning. Polymers, 2021, 13, 3463.	2.0	8
28	Controllable fabrication of cuprous sites in confined spaces for efficient adsorptive desulfurization. Fuel, 2020, 259, 116221.	3.4	23
29	MXene Quantum Dot/Polymer Hybrid Structures with Tunable Electrical Conductance and Resistive Switching for Nonvolatile Memory Devices. Advanced Electronic Materials, 2020, 6, 1900493.	2.6	63
30	Petal cell-derived MnO nanoparticle-incorporated biocarbon composite and its enhanced lithium storage performance. Journal of Materials Science, 2020, 55, 2139-2154.	1.7	21
31	Rigid supramolecular structures based on flexible covalent bonds: A fabrication mechanism of porous organic polymers and their CO2 capture properties. Chemical Engineering Journal, 2020, 385, 123978.	6.6	45
32	Phosphorus-containing amorphous pure organic room-temperature phosphorescent materials. European Polymer Journal, 2020, 141, 110072.	2.6	4
33	Controllable CO₂ Capture in Metalâ€“Organic Frameworks: Making Targeted Active Sites Respond to Light. Industrial & Engineering Chemistry Research, 2020, 59, 21894-21900.	1.8	18
34	Coreâ€“Sheath Structured MoO₃@MoS₂ Composite for High-Performance Lithium-Ion Battery Anodes. Energy & Fuels, 2020, 34, 11498-11507.	2.5	18
35	Facile Fabrication of Small-Sized Palladium Nanoparticles in Nanoconfined Spaces for Low-Temperature CO Oxidation. Industrial & Engineering Chemistry Research, 2020, 59, 19145-19152.	1.8	8
36	Unusual Copper Oxide Dispersion Achieved by Combining the Confinement Effect and Guestâ€“Host Interaction Modulation. Industrial & Engineering Chemistry Research, 2020, 59, 16296-16304.	1.8	2

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37	An antiempirical strategy: sacrificing aromatic moieties in the polymer precursor for improving the properties of the derived N-doped porous carbons. Green Chemical Engineering, 2020, 1, 70-76.	3.3	8
38	Solvent-free synthesis of N-containing polymers with high cross-linking degree to generate N-doped porous carbons for high-efficiency CO2 capture. Chemical Engineering Journal, 2020, 399, 125845.	6.6	42
39	Ce-Doped Smart Adsorbents with Photoresponsive Molecular Switches for Selective Adsorption and Efficient Desorption. Engineering, 2020, 6, 569-576.	3.2	14
40	Enhancing oxidation resistance of Cu(I) by tailoring microenvironment in zeolites for efficient adsorptive desulfurization. Nature Communications, 2020, 11, 3206.	5.8	105
41	Tailoring microenvironment of adsorbents to achieve excellent <scp>CO₂</scp> uptakes from wet gases. AICHE Journal, 2020, 66, e16645.	1.8	16
42	Fabrication of Microporous Metalâ€“Organic Frameworks in Uninterrupted Mesoporous Tunnels: Hierarchical Structure for Efficient Trypsin Immobilization and Stabilization. Angewandte Chemie, 2020, 132, 6490-6496.	1.6	5
43	Fabrication of highly dispersed nickel in nanoconfined spaces of as-made SBA-15 for dry reforming of methane with carbon dioxide. Chemical Engineering Journal, 2020, 390, 124491.	6.6	35
44	Synthesis of mesoporous manganese dioxide/expanded graphite composite and its lithium-storage performance. Bulletin of Materials Science, 2020, 43, 1.	0.8	1
45	Fabrication of Microporous Metalâ€“Organic Frameworks in Uninterrupted Mesoporous Tunnels: Hierarchical Structure for Efficient Trypsin Immobilization and Stabilization. Angewandte Chemie - International Edition, 2020, 59, 6428-6434.	7.2	41
46	Smart Light-responsive CO₂ Adsorbents for Regulating Strong Active Sites. Acta Chimica Sinica, 2020, 78, 1082.	0.5	7
47	Fabrication of Cu(I)-Functionalized MIL-101(Cr) for Adsorptive Desulfurization: Low-Temperature Controllable Conversion of Cu(II) via Vapor-Induced Reduction. Inorganic Chemistry, 2019, 58, 11085-11090.	1.9	9
48	Frontispiece: Generation of Hierarchical Porosity in Metalâ€“Organic Frameworks by the Modulation of Cation Valence. Angewandte Chemie - International Edition, 2019, 58, .	7.2	0
49	Fabrication of solid strong bases at decreased temperature by doping low-valence Cr3+ into supports. Applied Catalysis A: General, 2019, 584, 117153.	2.2	6
50	Fabrication of Photothermal Silver Nanocube/ZIF-8 Composites for Visible-Light-Regulated Release of Propylene. ACS Applied Materials & Interfaces, 2019, 11, 29298-29304.	4.0	16
51	Fabrication of multifunctional integrated catalysts by decorating confined Ag nanoparticles on magnetic nanostirring bars. Journal of Colloid and Interface Science, 2019, 555, 315-322.	5.0	7
52	N-doped porous carbons with increased yield and hierarchical pore structures for supercapacitors derived from an N-containing phenyl-riched copolymer. Journal of Industrial and Engineering Chemistry, 2019, 80, 568-575.	2.9	9
53	Facile Synthesis of Ti₃C₂T_{<i>x</i>}â€“Poly(vinylpyrrolidone) Nanocomposites for Nonvolatile Memory Devices with Low Switching Voltage. ACS Applied Materials & Interfaces, 2019, 11, 38061-38067.	4.0	28
54	Facile Synthesis of Co3O4 Nanoparticle-Functionalized Mesoporous SiO2 for Catalytic Degradation of Methylene Blue from Aqueous Solutions. Catalysts, 2019, 9, 809.	1.6	8

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55	Making Porous Materials Respond to Visible Light. ACS Energy Letters, 2019, 4, 2656-2667.	8.8	18
56	Metalâ€“Organic Frameworks with Targetâ€Specific Active Sites Switched by Photoresponsive Motifs: Efficient Adsorbents for Tailorable CO₂ Capture. Angewandte Chemie - International Edition, 2019, 58, 6600-6604.	7.2	161
57	Underlying mechanism of CO₂ adsorption onto conjugated azacyclo-copolymers: N-doped adsorbents capture CO₂ chiefly through acidâ€“base interaction?. Journal of Materials Chemistry A, 2019, 7, 17842-17853.	5.2	63
58	Foaming Effect of a Polymer Precursor with a Low N Content on Fabrication of N-Doped Porous Carbons for CO₂ Capture. Industrial & Engineering Chemistry Research, 2019, 58, 11013-11021.	1.8	19
59	Fabrication of nitrogen-doped porous carbons derived from ammoniated copolymer precursor: Record-high adsorption capacity for indole. Chemical Engineering Journal, 2019, 374, 1005-1012.	6.6	24
60	Significant Decrease in Activation Temperature for the Generation of Strong Basicity: A Strategy of Endowing Supports with Reducibility. Inorganic Chemistry, 2019, 58, 8003-8011.	1.9	9
61	Generation of Hierarchical Porosity in Metalâ€“Organic Frameworks by the Modulation of Cation Valence. Angewandte Chemie, 2019, 131, 10210-10215.	1.6	12
62	Generation of Hierarchical Porosity in Metalâ€“Organic Frameworks by the Modulation of Cation Valence. Angewandte Chemie - International Edition, 2019, 58, 10104-10109.	7.2	104
63	Development of High Yielded Sn-Doped Porous Carbons for Selective CO2 Capture. ACS Sustainable Chemistry and Engineering, 2019, 7, 10383-10392.	3.2	4
64	N-doped porous carbons derived from a polymer precursor with a record-high N content: Efficient adsorbents for CO2 capture. Chemical Engineering Journal, 2019, 372, 656-664.	6.6	71
65	Photopolymerization of metalâ€“organic polyhedra: an efficient approach to improve the hydrostability, dispersity, and processability. Chemical Communications, 2019, 55, 6177-6180.	2.2	52
66	Fabrication of N-doped porous carbons for enhanced CO2 capture: Rational design of an ammoniated polymer precursor. Chemical Engineering Journal, 2019, 369, 170-179.	6.6	54
67	Titelbild: Metalâ€“Organic Frameworks with Targetâ€Specific Active Sites Switched by Photoresponsive Motifs: Efficient Adsorbents for Tailorable CO₂ Capture (Angew. Chem. 20/2019). Angewandte Chemie, 2019, 131, 6525-6525.	1.6	0
68	Maximizing Photoresponsive Efficiency by Isolating Metalâ€“Organic Polyhedra into Confined Nanoscaled Spaces. Journal of the American Chemical Society, 2019, 141, 8221-8227.	6.6	71
69	Metalâ€“Organic Frameworks with Targetâ€Specific Active Sites Switched by Photoresponsive Motifs: Efficient Adsorbents for Tailorable CO₂ Capture. Angewandte Chemie, 2019, 131, 6672-6676.	1.6	17
70	Frontispiz: Generation of Hierarchical Porosity in Metalâ€“Organic Frameworks by the Modulation of Cation Valence. Angewandte Chemie, 2019, 131, .	1.6	0
71	Enhancing the hydrostability and processability of metalâ€“organic polyhedra by self-polymerization or copolymerization with styrene. Dalton Transactions, 2019, 48, 17153-17157.	1.6	13
72	Fabrication of porous carbons from mesitylene for highly efficient CO2 capture: A rational choice improving the carbon loop. Chemical Engineering Journal, 2019, 361, 945-952.	6.6	72

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73	Highly Dispersive Cobalt Oxide Constructed in Confined Space for Oxygen Evolution Reaction. ACS Sustainable Chemistry and Engineering, 2019, 7, 2837-2843.	3.2	26
74	Magnetically responsive porous materials for efficient adsorption and desorption processes. Chinese Journal of Chemical Engineering, 2019, 27, 1324-1338.	1.7	15
75	Fabrication of Rhodium Nanoparticles with Reduced Sizes: An Exploration of Confined Spaces. Industrial & Engineering Chemistry Research, 2018, 57, 3561-3566.	1.8	18
76	Controllable Adsorption of CO₂ on Smart Adsorbents: An Interplay between Amines and Photoresponsive Molecules. Chemistry of Materials, 2018, 30, 3429-3437.	3.2	49
77	Direct Fabrication of Strong Basic Sites on Ordered Nanoporous Materials: Exploring the Possibility of Metalâ€"Organic Frameworks. Chemistry of Materials, 2018, 30, 1686-1694.	3.2	30
78	Ultradeep Removal of Moisture in Gases to Parts-per-Billion Levels: The Exploration of Adsorbents. Journal of Physical Chemistry C, 2018, 122, 2840-2847.	1.5	4
79	Size Regulation of Platinum Nanoparticles by Using Confined Spaces for the Low-Temperature Oxidation of Ethylene. Inorganic Chemistry, 2018, 57, 1645-1650.	1.9	37
80	Calcium oxide-modified mesoporous silica loaded onto ferriferrous oxide core: Magnetically responsive mesoporous solid strong base. Journal of Colloid and Interface Science, 2018, 526, 366-373.	5.0	17
81	Incorporation of Cu(<scp>ii</scp>) and its selective reduction to Cu(<scp>i</scp>) within confined spaces: efficient active sites for CO adsorption. Journal of Materials Chemistry A, 2018, 6, 8930-8939.	5.2	42
82	Fabrication of Metalâ€"Organic Frameworks inside Silica Nanopores with Significantly Enhanced Hydrostability and Catalytic Activity. ACS Applied Materials & Interfaces, 2018, 10, 12051-12059.	4.0	57
83	Potassium-incorporated mesoporous carbons: strong solid bases with enhanced catalytic activity and stability. Catalysis Science and Technology, 2018, 8, 2794-2801.	2.1	14
84	Rational Fabrication of Polyethylenimine-Linked Microbeads for Selective CO₂ Capture. Industrial & Engineering Chemistry Research, 2018, 57, 250-258.	1.8	34
85	Design and fabrication of nanoporous adsorbents for the removal of aromatic sulfur compounds. Journal of Materials Chemistry A, 2018, 6, 23978-24012.	5.2	147
86	Development of Adsorbents for Selective Carbon Capture: Role of Homo- and Cross-Coupling in Conjugated Microporous Polymers and Their Carbonized Derivatives. ACS Sustainable Chemistry and Engineering, 2018, 6, 17419-17426.	3.2	20
87	Controlled Construction of Cu(I) Sites within Confined Spaces via Hostâ€"Guest Redox: Highly Efficient Adsorbents for Selective CO Adsorption. ACS Applied Materials & Interfaces, 2018, 10, 40044-40053.	4.0	51
88	Rational Design and Fabrication of Nitrogen-Enriched and Hierarchical Porous Polymers Targeted for Selective Carbon Capture. Industrial & Engineering Chemistry Research, 2018, 57, 12926-12934.	1.8	19
89	Endowing Cu-BTC with Improved Hydrothermal Stability and Catalytic Activity: Hybridization with Natural Clay Attapulgite via Vapor-Induced Crystallization. ACS Sustainable Chemistry and Engineering, 2018, 6, 13217-13225.	3.2	35
90	Hierarchical Nâ€doped carbons from designed Nâ€rich polymer: Adsorbents with a recordâ€high capacity for desulfurization. AICHE Journal, 2018, 64, 3786-3793.	1.8	64

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91	Enhanced CO2/CH4 separation performance of mixed-matrix membranes through dispersion of sorption-selective MOF nanocrystals. Journal of Membrane Science, 2018, 563, 360-370.	4.1	82
92	Controllable construction of metalâ€“organic polyhedra in confined cavities via in situ site-induced assembly. Journal of Materials Chemistry A, 2017, 5, 5278-5282.	5.2	18
93	Architecture of novel periodic mesoporous organosilicas based on the flexible skeleton of aspartic acid-bridged organosilane. Materials Letters, 2017, 193, 299-304.	1.3	6
94	Correction: Smart adsorbents with reversible photo-regulated molecular switches for selective adsorption and efficient regeneration. Chemical Communications, 2017, 53, 3281-3281.	2.2	0
95	Smart Adsorbents Functionalized with Thermoresponsive Polymers for Selective Adsorption and Energy-Saving Regeneration. Industrial & Engineering Chemistry Research, 2017, 56, 4341-4349.	1.8	19
96	Metalâ€“Organic Frameworks for Heterogeneous Basic Catalysis. Chemical Reviews, 2017, 117, 8129-8176.	23.0	1,230
97	Metalâ€“Organic Frameworkâ€Templated Catalyst: Synergy in Multiple Sites for Catalytic CO₂ Fixation. ChemSusChem, 2017, 10, 1898-1903.	3.6	91
98	Stepâ€Up Synthesis of Periodic Mesoporous Organosilicas with a Tyrosine Framework and Performance in Horseradish Peroxidase Immobilization. Chemistry - an Asian Journal, 2017, 12, 3162-3171.	1.7	10
99	Fabrication of microporous polymers for selective CO₂ capture: the significant role of crosslinking and crosslinker length. Journal of Materials Chemistry A, 2017, 5, 23310-23318.	5.2	93
100	Controlled Construction of Supported Cu⁺ Sites and Their Stabilization in MIL-100(Fe): Efficient Adsorbents for Benzothiophene Capture. ACS Applied Materials & Interfaces, 2017, 9, 29445-29450.	4.0	40
101	Rational design of thermo-responsive adsorbents: demand-oriented active sites for the adsorption of dyes. Chemical Communications, 2017, 53, 9538-9541.	2.2	24
102	Direct Synthesis of Zeolites from a Natural Clay, Attapulgite. ACS Sustainable Chemistry and Engineering, 2017, 5, 6124-6130.	3.2	55
103	Nâ€doped porous carbons for CO₂ capture: Rational choice of Nâ€containing polymer with high phenyl density as precursor. AICHE Journal, 2017, 63, 1648-1658.	1.8	56
104	Fabrication of magnetically responsive HKUST-1/Fe3O4 composites by dry gel conversion for deep desulfurization and denitrogenation. Journal of Hazardous Materials, 2017, 321, 344-352.	6.5	165
105	Synthesis of novel periodic mesoporous organosilicas with large content of lysineâ€bridged organosilane skeleton. Micro and Nano Letters, 2017, 12, 1006-1010.	0.6	0
106	Fabrication of gold nanoparticles in confined spaces using solid-phase reduction: Significant enhancement of dispersion degree and catalytic activity. Chemical Engineering Science, 2017, 158, 216-226.	1.9	36
107	Fabrication of Adsorbents with Thermocontrolled Molecular Gates for Both Selective Adsorption and Efficient Regeneration. Advanced Materials Interfaces, 2016, 3, 1500829.	1.9	21
108	Functionalization of metalâ€“organic frameworks with cuprous sites using vapor-induced selective reduction: efficient adsorbents for deep desulfurization. Green Chemistry, 2016, 18, 3210-3215.	4.6	82

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109	Fabrication of Isolated Metalâ€“Organic Polyhedra in Confined Cavities: Adsorbents/Catalysts with Unusual Dispersity and Activity. Journal of the American Chemical Society, 2016, 138, 6099-6102.	6.6	113
110	Coreâ€“Shell AgCl@SiO₂ Nanoparticles: Ag(I)-Based Antibacterial Materials with Enhanced Stability. ACS Sustainable Chemistry and Engineering, 2016, 4, 3268-3275.	3.2	40
111	Nitrogen-Doped Porous Carbons Derived from Carbonization of a Nitrogen-Containing Polymer: Efficient Adsorbents for Selective CO2 Capture. Industrial & Engineering Chemistry Research, 2016, 55, 10916-10925.	1.8	77
112	Smart Adsorbents with Photoregulated Molecular Gates for Both Selective Adsorption and Efficient Regeneration. ACS Applied Materials & Interfaces, 2016, 8, 23404-23411.	4.0	47
113	Smart adsorbents with reversible photo-regulated molecular switches for selective adsorption and efficient regeneration. Chemical Communications, 2016, 52, 11531-11534.	2.2	24
114	Simultaneous fabrication of bifunctional Cu(<scp>i</scp>)/Ce(<scp>iv</scp>) sites in silica nanopores using a guests-redox strategy. RSC Advances, 2016, 6, 70446-70451.	1.7	16
115	Fabrication of nitrogen-doped porous carbons for highly efficient CO₂ capture: rational choice of a polymer precursor. Journal of Materials Chemistry A, 2016, 4, 17299-17307.	5.2	102
116	Molecular Gates: Fabrication of Adsorbents with Thermocontrolled Molecular Gates for Both Selective Adsorption and Efficient Regeneration (Adv. Mater. Interfaces 11/2016). Advanced Materials Interfaces, 2016, 3, .	1.9	0
117	Enhanced Hydrothermal Stability and Catalytic Performance of HKUST-1 by Incorporating Carboxyl-Functionalized Attapulgite. ACS Applied Materials & Interfaces, 2016, 8, 16457-16464.	4.0	89
118	Rational synthesis of an exceptionally stable Zn(<scp>ii</scp>) metalâ€“organic framework for the highly selective and sensitive detection of picric acid. Chemical Communications, 2016, 52, 5734-5737.	2.2	253
119	Magnetically Responsive Coreâ€“Shell Fe₃O₄@C Adsorbents for Efficient Capture of Aromatic Sulfur and Nitrogen Compounds. ACS Sustainable Chemistry and Engineering, 2016, 4, 2223-2231.	3.2	51
120	Realizing both selective adsorption and efficient regeneration using adsorbents with photo-regulated molecular gates. Chemical Communications, 2016, 52, 4006-4009.	2.2	19
121	Selective adsorption and efficient regeneration via smart adsorbents possessing thermo-controlled molecular switches. Physical Chemistry Chemical Physics, 2016, 18, 9883-9887.	1.3	31
122	A tandem demetalizationâ€“desilication strategy to enhance the porosity of attapulgite for adsorption and catalysis. Chemical Engineering Science, 2016, 141, 184-194.	1.9	39
123	A new redox strategy for low-temperature formation of strong basicity on mesoporous silica. Chemical Communications, 2015, 51, 10058-10061.	2.2	31
124	Design and fabrication of mesoporous heterogeneous basic catalysts. Chemical Society Reviews, 2015, 44, 5092-5147.	18.7	323
125	Low-temperature fabrication of Cu(<scp>i</scp>) sites in zeolites by using a vapor-induced reduction strategy. Journal of Materials Chemistry A, 2015, 3, 12247-12251.	5.2	40
126	Facile fabrication of cost-effective porous polymer networks for highly selective CO₂capture. Journal of Materials Chemistry A, 2015, 3, 3252-3256.	5.2	96

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127	Homogenous Dual-Ligand Zinc Complex Catalysts for Chemical Fixation of CO2 to Propylene Carbonate. Catalysis Letters, 2015, 145, 1673-1682.	1.4	9
128	Enhancing the hydrostability and catalytic performance of metalâ€“organic frameworks by hybridizing with attapulgite, a natural clay. Journal of Materials Chemistry A, 2015, 3, 6998-7005.	5.2	75
129	What Matters to the Adsorptive Desulfurization Performance of Metal-Organic Frameworks?. Journal of Physical Chemistry C, 2015, 119, 21969-21977.	1.5	91
130	Facile Fabrication of AgCl Nanoparticles and Their Application in Adsorptive Desulfurization. Journal of Nanoscience and Nanotechnology, 2015, 15, 4373-4379.	0.9	13
131	Highly Selective Capture of the Greenhouse Gas CO₂ in Polymers. ACS Sustainable Chemistry and Engineering, 2015, 3, 3077-3085.	3.2	168
132	Editorial (Thematic Issue: Innovative Nanoporous Materials for Heterogeneous Catalysis). Current Organic Chemistry, 2014, 18, 1225-1225.	0.9	6
133	Molecular Template-Directed Synthesis of Microporous Polymer Networks for Highly Selective CO₂ Capture. ACS Applied Materials & Interfaces, 2014, 6, 20340-20349.	4.0	66
134	Azobenzeneâ€‘Functionalized Metalâ€“Organic Polyhedra for the Optically Responsive Capture and Release of Guest Molecules. Angewandte Chemie - International Edition, 2014, 53, 5842-5846.	7.2	203
135	Fabrication of magnetically responsive coreâ€“shell adsorbents for thiophene capture: AgNO3-functionalized Fe3O4@mesoporous SiO2 microspheres. Journal of Materials Chemistry A, 2014, 2, 4698.	5.2	86
136	Fabrication of solid strong bases with a molecular-level dispersion of lithium sites and high basic catalytic activity. Chemical Communications, 2014, 50, 11299-11302.	2.2	21
137	Template-derived carbon: an unexpected promoter for the creation of strong basicity on mesoporous silica. Chemical Communications, 2014, 50, 11192.	2.2	24
138	Constructing a confined space in silica nanopores: an ideal platform for the formation and dispersion of cuprous sites. Journal of Materials Chemistry A, 2014, 2, 3399.	5.2	91
139	Improving Hydrothermal Stability and Catalytic Activity of Metalâ€“Organic Frameworks by Graphite Oxide Incorporation. Journal of Physical Chemistry C, 2014, 118, 19910-19917.	1.5	100
140	The Dehydration and Demulsification of Waste Oil by Ultrasound. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2014, 36, 1843-1849.	1.2	8
141	Preparation of Mesoporous Solid Superbases by Using Metal Oxide Interlayers. Current Organic Chemistry, 2014, 18, 1296-1304.	0.9	14
142	A Highly Active Ni/ZSMâ€‘5 Catalyst for Complete Hydrogenation of Polymethylbenzenes. ChemCatChem, 2013, 5, 3543-3547.	1.8	45
143	Low-Temperature Fabrication of Mesoporous Solid Strong Bases by Using Multifunction of a Carbon Interlayer. ACS Applied Materials & Interfaces, 2013, 5, 9823-9829.	4.0	58
144	Constructing mesoporous solid superbases by a dualcoating strategy. Journal of Materials Chemistry A, 2013, 1, 1623-1631.	5.2	44

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145	Porous materials with pre-designed single-molecule traps for CO2 selective adsorption. Nature Communications, 2013, 4, 1538.	5.8	508
146	Fabrication of Supported Cuprous Sites at Low Temperatures: An Efficient, Controllable Strategy Using Vapor-Induced Reduction. Journal of the American Chemical Society, 2013, 135, 8137-8140.	6.6	104
147	Ordered Mesoporous Carbon CMK-3 Modified with Cu(I) for Selective Ethylene/Ethane Adsorption. Separation Science and Technology, 2013, 48, 968-976.	1.3	23
148	Low-temperature generation of strong basicity via an unprecedented guestâ€"host redox interaction. Chemical Communications, 2013, 49, 8087.	2.2	46
149	A Water Resistant Solid Superbase Derived from Calcium: Synthesis, Characterization and Catalytic Performance. Current Organic Chemistry, 2013, 17, 2249-2255.	0.9	5
150	Introduction of Functionalized Mesopores to Metalâ€"Organic Frameworks via Metalâ€"Ligandâ€"Fragment Coassembly. Journal of the American Chemical Society, 2012, 134, 20110-20116.	6.6	215
151	Generalized syntheses of mesoporous Î³-Al2O3 functionalized with metal oxides by a one-pot, two-step strategy. Journal of Porous Materials, 2012, 19, 969-977.	1.3	8
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