Feng-Shou Xiao

List of Publications by Year
in descending order

332	23,919	5558	10127
papers	citations	82 h-index	140 g-index

360	360	360	16183
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Recent advances of zeolites in catalytic oxidations of volatile organic compounds. Catalysis Today, 2023, 410, 56-67.	2.2	18
2	Advances in emission control of diesel vehicles in China. Journal of Environmental Sciences, 2023, 123, 15-29.	3.2	30
3	Zeolite Catalysts for Green Production of Caprolactam. Industrial & Engineering Chemistry Research, 2023, 62, 2217-2224.	1.8	10
4	Complete oxidation of formaldehyde at room temperature over Ag-loaded octahedral molecular sieve synthesized from solvent-free route. Applied Catalysis B: Environmental, 2022, 303, 120875.	10.8	18
5	Sustainable Synthesis of Core-shell Structured ZSM-5@Silicalite-1 Zeolite. Chemical Research in Chinese Universities, 2022, 38, 136-140.	1.3	6
6	Selective conversion of acetone to mesitylene over tantalum phosphate catalysts. Chemical Communications, 2022, 58, 2862-2865.	2.2	9
7	Selective Oxidation of Methane into Methanol Under Mild Conditions. Chemical Research in Chinese Universities, 2022, 38, 671-676.	1.3	11
8	Recent strategies for synthesis of metallosilicate zeolites. Catalysis Today, 2022, 390-391, 2-11.	2.2	18
9	Structure-performance interplay of rhodium-based catalysts for syngas conversion to ethanol. Materials Chemistry Frontiers, 2022, 6, 663-679.	3.2	4
10	Advances in the synthesis and application of the SSZ-39 zeolite. Inorganic Chemistry Frontiers, 2022, 9, 1047-1057.	3.0	14
11	Alloyed PdCu Nanoparticles within Siliceous Zeolite Crystals for Catalytic Semihydrogenation. ACS Materials Au, 2022, 2, 313-320.	2.6	5
12	Zeolite nanosheets for catalysis. Chemical Society Reviews, 2022, 51, 2431-2443.	18.7	69
13	Zeolites for control of NO emissions: Opportunities and challenges. Chem Catalysis, 2022, 2, 253-261.	2.9	12
14	Targeted synthesis of zeolites from calculated interaction between zeolite structure and organic template. National Science Review, 2022, 9, .	4.6	19
15	Rareâ€earth Yttrium Exchanged Cuâ€SSZâ€39 Zeolite with Superior Hydrothermal Stability and SO₂â€Tolerance in NH₃â€SCR of NOx. ChemCatChem, 2022, 14, .	1.8	6
16	Design of a Small Organic Template for the Synthesis of Self-Pillared Pentasil Zeolite Nanosheets. Journal of the American Chemical Society, 2022, 144, 6270-6277.	6.6	24
17	Sustainable synthesis of ordered mesoporous materials without additional solvents. Journal of Colloid and Interface Science, 2022, 619, 116-122.	5.0	7
18	Cu/ZnO/Al₂O₃ Catalyst Modulated by Zirconia with Enhanced Performance in CO₂ Hydrogenation to Methanol. Industrial & Engineering Chemistry Research, 2022, 61, 10446-10454.	1.8	16

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19	Ultrafast crystallization of mesoporous Sn-MFI single crystals achieved by addition of the cationic polyelectrolyte in starting gels. Microporous and Mesoporous Materials, 2022, 337, 111922.	2.2	3
20	Direct synthesis of aluminosilicate ITH zeolite in the presence of a small organic template. Catalysis Today, 2022, 405-406, 251-257.	2.2	3
21	Catalytic Oxidation of Ethyl Lactate to Ethyl Pyruvate over Au-Based Catalyst Using Authentic Air as Oxidant. Catalysis Surveys From Asia, 2022, 26, 211-220.	1.0	2
22	Porous Polymeric Catalysts Constructed from Vinylated Functionalities. Accounts of Materials Research, 2022, 3, 772-781.	5.9	5
23	Fischerâ€“Tropsch synthesis to olefins boosted by MFI zeolite nanosheets. Nature Nanotechnology, 2022, 17, 714-720.	15.6	51
24	One-pot fabrication of metal-zeolite catalysts from a combination of solvent-free and sodium-free routes. Catalysis Today, 2021, 371, 64-68.	2.2	4
25	Basic carrier promoted Pt-catalyzed hydrogenolysis of alkaline lignin. Catalysis Today, 2021, 365, 193-198.	2.2	9
26	Fischer-Tropsch reaction within zeolite crystals for selective formation of gasoline-ranged hydrocarbons. Journal of Energy Chemistry, 2021, 54, 429-433.	7.1	30
27	Potassium-directed sustainable synthesis of new high silica small-pore zeolite with KFI structure (ZJM-7) as an efficient catalyst for NH3-SCR reaction. Applied Catalysis B: Environmental, 2021, 281, 119480.	10.8	39
28	Alcohol-assisted synthesis of high-silica zeolites in the absence of organic structure-directing agents. Chinese Journal of Catalysis, 2021, 42, 563-570.	6.9	23
29	Combination of binary active sites into heterogeneous porous polymer catalysts for efficient transformation of CO2 under mild conditions. Chinese Journal of Catalysis, 2021, 42, 618-626.	6.9	56
30	Enhanced catalytic performance of methane combustion over zeolite-supported Pd catalysts with the lanthanum. Catalysis Today, 2021, 364, 16-20.	2.2	16
31	Direct Synthesis of Pure Aqueous H₂O₂ Solution within Aluminosilicate Zeolite Crystals. ACS Catalysis, 2021, 11, 1946-1951.	5.5	28
32	Mesostructured materials. , 2021, , .		1
33	Selective catalytic reduction of NOx with NH3: opportunities and challenges of Cu-based small-pore zeolites. National Science Review, 2021, 8, nwab010.	4.6	137
34	Sustainable one-pot preparation of fully crystalline shaped zeolite catalysts. Catalysis Science and Technology, 2021, 11, 5650-5655.	2.1	7
35	Isolated boron in zeolite for oxidative dehydrogenation of propane. Science, 2021, 372, 76-80.	6.0	155
36	Zeolite Fixed Metal Nanoparticles: New Perspective in Catalysis. Accounts of Chemical Research, 2021, 54, 2579-2590.	7.6	117

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37	Titanosilicate zeolite supported Pt nanoparticles with electronic metal-support interactions for efficient methanol steam reforming. Catalysis Today, 2021, 382, 42-47.	2.2	15
38	Calcination-Free Fabrication of Highly b-Oriented Silicalite-1 Zeolite Films by Secondary Growth in the Absence of Organic Structure-Directing Agents. Industrial & Engineering Chemistry Research, 2021, 60, 7167-7173.	1.8	3
39	Porous Organic Phenanthrolineâ€Based Polymer as an Efficient Transitionâ€Metalâ€Free Heterogeneous Catalyst for Direct Aromatic Câ^'H Activation. Chemistry - A European Journal, 2021, 27, 8684-8688.	1.7	9
40	Strong metalâ€“support interactions on gold nanoparticle catalysts achieved through Le Chatelierâ€™s principle. Nature Catalysis, 2021, 4, 418-424.	16.1	146
41	Design of Cobaltâ€“Amine Complex as an Efficient Structure-Directing Agent for One-Pot Synthesis of Co-SSZ-13 Zeolite. Journal of Physical Chemistry C, 2021, 125, 16343-16349.	1.5	12
42	Metalated Porous Phenanthrolineâ€Based Polymers as Efficient Heterogeneous Catalysts for Regioselective Câ^'H Activation of Heteroarenes. Chemistry - an Asian Journal, 2021, 16, 2469-2474.	1.7	9
43	Partial oxidation of propylene with H2 and O2 over Au supported on ZrO2 with different structural and surface properties. Journal of Catalysis, 2021, 401, 188-199.	3.1	9
44	Product selectivity controlled by manganese oxide crystals in catalytic ammoxidation. Chinese Journal of Catalysis, 2021, 42, 2164-2172.	6.9	11
45	Tuning product selectivity in CO₂hydrogenation over metal-based catalysts. Chemical Science, 2021, 12, 14660-14673.	3.7	38
46	Exceptional activity for formaldehyde combustion using siliceous Beta zeolite as a catalyst support. Catalysis Today, 2020, 339, 174-180.	2.2	30
47	Self-formation of hierarchical SAPO-11 molecular sieves as an efficient hydroisomerization support. Catalysis Today, 2020, 350, 165-170.	2.2	18
48	Efficient adjustment of product selectivity using controllable Pd nanoparticles in nitroarene hydrogenation. Particuology, 2020, 48, 13-18.	2.0	4
49	Organosilane surfactant-assisted synthesis of mesoporous SSZ-39 zeolite with enhanced catalytic performance in the methanol-to-olefins reaction. Frontiers of Chemical Science and Engineering, 2020, 14, 267-274.	2.3	9
50	Enhanced catalytic activity in propene oxidation over NaZSM-5 zeolite-supported Pt nanoparticles by increasing the zeolite Si/Al ratio. Catalysis Today, 2020, 355, 476-481.	2.2	11
51	Hydrophobic zeolite modification for in situ peroxide formation in methane oxidation to methanol. Science, 2020, 367, 193-197.	6.0	470
52	Programming Covalent Organic Frameworks for Photocatalysis: Investigation of Chemical and Structural Variations. Matter, 2020, 2, 416-427.	5.0	110
53	Mn-promoted Ag supported on pure siliceous Beta zeolite (Ag/Beta-Si) for catalytic combustion of formaldehyde. Applied Catalysis B: Environmental, 2020, 268, 118461.	10.8	29
54	Metal@Zeolite Hybrid Materials for Catalysis. ACS Central Science, 2020, 6, 1685-1697.	5.3	146

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55	Low-Temperature Dehydration of Ethanol to Ethylene over Cuâ€“Zeolite Catalysts Synthesized from Cuâ€“Tetraethylenepentamine. Industrial & Engineering Chemistry Research, 2020, 59, 17300-17306.	1.8	14
56	Dispersed Nickel Boosts Catalysis by Copper in CO₂ Hydrogenation. ACS Catalysis, 2020, 10, 9261-9270.	5.5	52
57	Exploration of advanced porous organic polymers as a platform for biomimetic catalysis and molecular recognition. Chemical Communications, 2020, 56, 10631-10641.	2.2	29
58	NbOPO₄Supported Rh Nanoparticles with Strong Metalâ^'Support Interactions for Selective CO₂Hydrogenation. ChemSusChem, 2020, 13, 6300-6306.	3.6	19
59	Coking-Resistant Iron Catalyst in Ethane Dehydrogenation Achieved through Siliceous Zeolite Modulation. Journal of the American Chemical Society, 2020, 142, 16429-16436.	6.6	120
60	Strong Oxideâ€“Support Interactions Accelerate Selective Dehydrogenation of Propane by Modulating the Surface Oxygen. ACS Catalysis, 2020, 10, 10559-10569.	5.5	35
61	Atomically Dispersed Ru on Manganese Oxide Catalyst Boosts Oxidative Cyanation. ACS Catalysis, 2020, 10, 6299-6308.	5.5	51
62	Evolution of D6R units in the interzeolite transformation from FAU, MFI or *BEA into AEI: transfer or reassembly?. Inorganic Chemistry Frontiers, 2020, 7, 2204-2211.	3.0	47
63	Importance of controllable Al sites in CHA framework by crystallization pathways for NH3-SCR reaction. Applied Catalysis B: Environmental, 2020, 277, 119193.	10.8	43
64	A Cationic Oligomer as an Organic Template for Direct Synthesis of Aluminosilicate ITH Zeolite. Angewandte Chemie - International Edition, 2020, 59, 15649-15655.	7.2	22
65	Recent advances in organotemplate-free synthesis of zeolites. Current Opinion in Green and Sustainable Chemistry, 2020, 25, 100363.	3.2	4
66	A Cationic Oligomer as an Organic Template for Direct Synthesis of Aluminosilicate ITH Zeolite. Angewandte Chemie, 2020, 132, 15779-15785.	1.6	1
67	Theoretical Prediction from Classical Equations and Rational Synthesis of Ultrafine LTL Zeolite Nanocrystals. Journal of Physical Chemistry C, 2020, 124, 13819-13824.	1.5	2
68	Synthesis of Aluminophosphate Molecular Sieves in Alkaline Media. Chemistry - A European Journal, 2020, 26, 11408-11411.	1.7	5
69	Decorated zeolites for chemoselective alkyne/olefin separations. Science China Chemistry, 2020, 63, 1177-1178.	4.2	3
70	Solvent-free crystallization of ZSM-5 zeolite on SiC foam as a monolith catalyst for biofuel upgrading. Chinese Journal of Catalysis, 2020, 41, 1118-1124.	6.9	12
71	Cu-Exchanged CHA-Type Zeolite from Organic Template-Free Synthesis: An Effective Catalyst for NH₃-SCR. Industrial & Engineering Chemistry Research, 2020, 59, 7375-7382.	1.8	22
72	Silica accelerates the selective hydrogenation of CO2 to methanol on cobalt catalysts. Nature Communications, 2020, 11, 1033.	5.8	124

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73	Direct Conversion of Syngas to Ethanol within Zeolite Crystals. CheM, 2020, 6, 646-657.	5.8	123
74	Mesoporous Coâ€Al oxide nanosheets as highly efficient catalysts for CO oxidation. AICHE Journal, 2020, 66, e16923.	1.8	8
75	Turning on Catalysis: Construction of Triphenylphosphine Moieties into Porous Frameworks. ChemCatChem, 2020, 12, 3285-3289.	1.8	12
76	Illuminating solvent-free synthesis of zeolites. Dalton Transactions, 2020, 49, 6939-6944.	1.6	11
77	Aerobic Activation of Câ€H Bond in Amines Over a Nanorod Manganese Oxide Catalyst. ChemCatChem, 2019, 11, 401-406.	1.8	14
78	Selective conversion of syngas to propane over ZnCrO -SSZ-39 OX-ZEO catalysts. Journal of Energy Chemistry, 2019, 36, 141-147.	7.1	26
79	Solvent-Free Synthesis of Coreâ€“Shell Zn/ZSM-5@Silicalite-1 Catalyst for Selective Conversion of Methanol to BTX Aromatics. Industrial & Engineering Chemistry Research, 2019, 58, 15453-15458.	1.8	36
80	Bio-inspired creation of heterogeneous reaction vessels via polymerization of supramolecular ion pair. Nature Communications, 2019, 10, 3059.	5.8	19
81	Sustainable Synthesis of Pure Silica Zeolites from a Combined Strategy of Zeolite Seeding and Alcohol Filling. Angewandte Chemie - International Edition, 2019, 58, 12138-12142.	7.2	47
82	Location matters: cooperativity of catalytic partners in porous organic polymers for enhanced CO₂ transformation. Chemical Communications, 2019, 55, 9180-9183.	2.2	24
83	New Strategies for the Preparation of Sinterâ€Resistant Metalâ€Nanoparticleâ€Based Catalysts. Advanced Materials, 2019, 31, e1901905.	11.1	203
84	Sustainable Synthesis of Pure Silica Zeolites from a Combined Strategy of Zeolite Seeding and Alcohol Filling. Angewandte Chemie, 2019, 131, 12266-12270.	1.6	3
85	Direct Synthesis of Aluminosilicate IWR Zeolite from a Strong Interaction between Zeolite Framework and Organic Template. Journal of the American Chemical Society, 2019, 141, 18318-18324.	6.6	30
86	Frontispiz: Reaction Environment Modification in Covalent Organic Frameworks for Catalytic Performance Enhancement. Angewandte Chemie, 2019, 131, .	1.6	1
87	Cobaltâ€“Nickel Catalysts for Selective Hydrogenation of Carbon Dioxide into Ethanol. ACS Catalysis, 2019, 9, 11335-11340.	5.5	85
88	Interzeolite transformation from FAU to CHA and MFI zeolites monitored by UV Raman spectroscopy. Chinese Journal of Catalysis, 2019, 40, 1854-1859.	6.9	46
89	N-Oxyl Radicals Trapped on Zeolite Surface Accelerate Photocatalysis. ACS Catalysis, 2019, 9, 10448-10453.	5.5	15
90	Nanorod Manganese Oxide as an Efficient Heterogeneous Catalyst for Hydration of Nitriles into Amides. Industrial & Engineering Chemistry Research, 2019, 58, 17319-17324.	1.8	14

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91	Rare-earth ion exchanged Cu-SSZ-13 zeolite from organotemplate-free synthesis with enhanced hydrothermal stability in NH₃-SCR of NO_x. Catalysis Science and Technology, 2019, 9, 241-251.	2.1	64
92	Wet-Chemistry Strong Metalâ€“Support Interactions in Titania-Supported Au Catalysts. Journal of the American Chemical Society, 2019, 141, 2975-2983.	6.6	280
93	110th Anniversary: Sustainable Synthesis of Zeolites: From Fundamental Research to Industrial Production. Industrial & Engineering Chemistry Research, 2019, 58, 11653-11658.	1.8	24
94	Design of fast crystallization of nanosized zeolite omega crystals at higher temperatures. Chinese Journal of Catalysis, 2019, 40, 1093-1099.	6.9	8
95	Ultrathin nanosheets of aluminosilicate FER zeolites synthesized in the presence of a sole small organic ammonium. Journal of Materials Chemistry A, 2019, 7, 16671-16676.	5.2	27
96	Direct Synthesis of Aluminosilicate SSZ-39 Zeolite Using Colloidal Silica as a Starting Source. ACS Applied Materials & Interfaces, 2019, 11, 23112-23117.	4.0	34
97	Boosting the hydrolytic stability of phosphite ligand in hydroformylation by the construction of superhydrophobic porous framework. Molecular Catalysis, 2019, 474, 110408.	1.0	11
98	Frontispiece: Reaction Environment Modification in Covalent Organic Frameworks for Catalytic Performance Enhancement. Angewandte Chemie - International Edition, 2019, 58, .	7.2	0
99	Metal-acid interfaces enveloped in zeolite crystals for cascade biomass hydrodeoxygenation. Applied Catalysis B: Environmental, 2019, 254, 560-568.	10.8	64
100	Product Selectivity Controlled by Nanoporous Environments in Zeolite Crystals Enveloping Rhodium Nanoparticle Catalysts for CO₂ Hydrogenation. Journal of the American Chemical Society, 2019, 141, 8482-8488.	6.6	242
101	Generalized ionothermal synthesis of silica-based zeolites. Microporous and Mesoporous Materials, 2019, 286, 163-168.	2.2	21
102	Sustainable and efficient synthesis of nanosized EMT zeolites under solvent-free and organotemplate-free conditions. Microporous and Mesoporous Materials, 2019, 286, 105-109.	2.2	13
103	Reaction Environment Modification in Covalent Organic Frameworks for Catalytic Performance Enhancement. Angewandte Chemie, 2019, 131, 8762-8767.	1.6	40
104	Reaction Environment Modification in Covalent Organic Frameworks for Catalytic Performance Enhancement. Angewandte Chemie - International Edition, 2019, 58, 8670-8675.	7.2	128
105	Transformation synthesis of aluminosilicate SSZ-39 zeolite from ZSM-5 and beta zeolite. Journal of Materials Chemistry A, 2019, 7, 4420-4425.	5.2	52
106	Recent advances in the preparation of zeolites for the selective catalytic reduction of NOx in diesel engines. Reaction Chemistry and Engineering, 2019, 4, 975-985.	1.9	35
107	Fish-in-hole: rationally positioning palladium into traps of zeolite crystals for sinter-resistant catalysts. Chemical Communications, 2018, 54, 3274-3277.	2.2	36
108	Direct observation of tin sites and their reversible interconversion in zeolites by solid-state NMR spectroscopy. Communications Chemistry, 2018, 1, .	2.0	54

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109	Selective Hydrogenation of CO₂ to Ethanol over Cobalt Catalysts. Angewandte Chemie - International Edition, 2018, 57, 6104-6108.	7.2	241
110	Selective Hydrogenation of CO₂ to Ethanol over Cobalt Catalysts. Angewandte Chemie, 2018, 130, 6212-6216.	1.6	34
111	Efficient synthesis of aluminosilicate RTH zeolite with good catalytic performances in NH₃-SCR and MTO reactions. Journal of Materials Chemistry A, 2018, 6, 8705-8711.	5.2	22
112	Mapping Al Distributions in SSZ-13 Zeolites from ²³Na Solid-State NMR Spectroscopy and DFT Calculations. Journal of Physical Chemistry C, 2018, 122, 9973-9979.	1.5	21
113	Single-site catalyst promoters accelerate metal-catalyzed nitroarene hydrogenation. Nature Communications, 2018, 9, 1362.	5.8	161
114	Enhanced synthetic efficiency of CHA zeolite crystallized at higher temperatures. Catalysis Today, 2018, 316, 31-36.	2.2	17
115	Surprising separation selectivity of ethylene from ethane over pure siliceous zeolites with framework flexibility. Science China Materials, 2018, 61, 763-764.	3.5	0
116	Pore Environment Control and Enhanced Performance of Enzymes Infiltrated in Covalent Organic Frameworks. Journal of the American Chemical Society, 2018, 140, 984-992.	6.6	310
117	Mesoporous zeolites for biofuel upgrading and glycerol conversion. Frontiers of Chemical Science and Engineering, 2018, 12, 132-144.	2.3	22
118	Porous Organic Polymers Constructed from TrÃ¶ger's Base as Efficient Carbon Dioxide Adsorbents and Heterogeneous Catalysts. ChemCatChem, 2018, 10, 1900-1904.	1.8	11
119	Hydrophobic Zeolite Containing Titania Particles as Wettability-Selective Catalyst for Formaldehyde Removal. ACS Catalysis, 2018, 8, 5250-5254.	5.5	50
120	Rational construction of metal nanoparticles fixed in zeolite crystals as highly efficient heterogeneous catalysts. Nano Today, 2018, 20, 74-83.	6.2	94
121	Hydrophobic Solid Acids and Their Catalytic Applications in Green and Sustainable Chemistry. ACS Catalysis, 2018, 8, 372-391.	5.5	200
122	Importance of Zeolite Wettability for Selective Hydrogenation of Furfural over Pd@Zeolite Catalysts. ACS Catalysis, 2018, 8, 474-481.	5.5	146
123	An efficient, rapid, and non-centrifugation synthesis of nanosized zeolites by accelerating the nucleation rate. Journal of Materials Chemistry A, 2018, 6, 21156-21161.	5.2	31
124	Enhancement of Catalytic Properties by Adjusting Molecular Diffusion in Nanoporous Catalysts. Advances in Catalysis, 2018, , 1-47.	0.1	3
125	Interfacial CoO_x Layers on TiO₂ as an Efficient Catalyst for Solventâ€Free Aerobic Oxidation of Hydrocarbons. ChemSusChem, 2018, 11, 3965-3974.	3.6	12
126	Methanol to Olefins Reaction over Cavity-type Zeolite: Cavity Controls the Critical Intermediates and Product Selectivity. ACS Catalysis, 2018, 8, 10950-10963.	5.5	59

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127	Design Synthesis of ITE Zeolite Using Nickelâ€“Amine Complex as an Efficient Structure-Directing Agent. ACS Applied Materials & Interfaces, 2018, 10, 33214-33220.	4.0	9
128	A porous BrÃ¸nsted superacid as an efficient and durable solid catalyst. Journal of Materials Chemistry A, 2018, 6, 18712-18719.	5.2	24
129	Integrating Superwettability within Covalent Organic Frameworks for Functional Coating. CheM, 2018, 4, 1726-1739.	5.8	157
130	Sinter-resistant metal nanoparticle catalysts achieved by immobilization within zeolite crystals via seed-directed growth. Nature Catalysis, 2018, 1, 540-546.	16.1	297
131	Solvent-Free Synthesis of Zeolites: Mechanism and Utility. Accounts of Chemical Research, 2018, 51, 1396-1403.	7.6	156
132	New insights into the di-n-propylamine (DPA) molecule as an organic structural directing agent (OSDA) in the crystallization of AlPO₄-11 molecular sieve. Inorganic Chemistry Frontiers, 2018, 5, 1633-1639.	3.0	10
133	An efficient synthesis of NaA zeolite membranes from direct crystallization of gel-dipped macroporous alumina tubes with seeds. Journal of Materials Chemistry A, 2018, 6, 10484-10489.	5.2	26
134	Supported cluster catalysts synthesized to be small, simple, selective, and stable. Faraday Discussions, 2018, 208, 9-33.	1.6	8
135	Creating solvation environments in heterogeneous catalysts for efficient biomass conversion. Nature Communications, 2018, 9, 3236.	5.8	70
136	A significant enhancement of catalytic performance by adjusting catalyst wettability. Science China Materials, 2018, 61, 1137-1142.	3.5	22
137	Strategies for the design of porous polymers as efficient heterogeneous catalysts: from co-polymerization to self-polymerization. Catalysis Science and Technology, 2017, 7, 1028-1039.	2.1	48
138	Solvent-free and Mesoporogen-free Synthesis of Mesoporous Aluminosilicate ZSM-5 Zeolites with Superior Catalytic Properties in the Methanol-to-Olefins Reaction. Industrial & Engineering Chemistry Research, 2017, 56, 1450-1460.	1.8	49
139	Hierarchical Sn-Beta Zeolite Catalyst for the Conversion of Sugars to Alkyl Lactates. ACS Sustainable Chemistry and Engineering, 2017, 5, 3123-3131.	3.2	72
140	Solventâ€Free Synthesis of <scp>ITQ</scp>â€12, <scp>ITQ</scp>â€13, and <scp>ITQ</scp>â€17 Zeolites. Chinese Journal of Chemistry, 2017, 35, 572-576.	2.6	15
141	Selective hydrogenolysis of carbonâ€“oxygen bonds with formic acid over a Auâ€“Pt alloy catalyst. Chemical Communications, 2017, 53, 2681-2684.	2.2	19
142	Efficient and rapid transformation of high silica CHA zeolite from FAU zeolite in the absence of water. Journal of Materials Chemistry A, 2017, 5, 9076-9080.	5.2	71
143	A Pd@Zeolite Catalyst for Nitroarene Hydrogenation with High Product Selectivity by Sterically Controlled Adsorption in the Zeolite Micropores. Angewandte Chemie - International Edition, 2017, 56, 9747-9751.	7.2	248
144	A Pd@Zeolite Catalyst for Nitroarene Hydrogenation with High Product Selectivity by Sterically Controlled Adsorption in the Zeolite Micropores. Angewandte Chemie, 2017, 129, 9879-9883.	1.6	81

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145	Eco-friendly photocatalysts achieved by zeolite fixing. Applied Catalysis B: Environmental, 2017, 212, 193-200.	10.8	30
146	Why Wasnâ€™t My Manuscript Sent Out for Review?. Industrial & Engineering Chemistry Research, 2017, 56, 7109-7111.	1.8	5
147	Controllable cyanation of carbon-hydrogen bonds by zeolite crystals over manganese oxide catalyst. Nature Communications, 2017, 8, 15240.	5.8	57
148	Homochiral Porous Framework as a Platform for Durability Enhancement of Molecular Catalysts. Chemistry of Materials, 2017, 29, 5720-5726.	3.2	31
149	Cu-exchanged Al-rich SSZ-13 zeolite from organotemplate-free synthesis as NH3-SCR catalyst: Effects of Na+ ions on the activity and hydrothermal stability. Applied Catalysis B: Environmental, 2017, 217, 421-428.	10.8	161
150	Catalytic performance for toluene abatement over Al-rich Beta zeolite supported manganese oxides. Catalysis Today, 2017, 297, 182-187.	2.2	36
151	Innentitelbild: A Pd@Zeolite Catalyst for Nitroarene Hydrogenation with High Product Selectivity by Sterically Controlled Adsorption in the Zeolite Micropores (Angew. Chem. 33/2017). Angewandte Chemie, 2017, 129, 9756-9756.	1.6	3
152	Design and preparation of efficient hydroisomerization catalysts by the formation of stable SAPO-11 molecular sieve nanosheets with 10â€“20 nm thickness and partially blocked acidic sites. Chemical Communications, 2017, 53, 4942-4945.	2.2	69
153	Generalized high-temperature synthesis of zeolite catalysts with unpredictably high space-time yields (STYs). Journal of Materials Chemistry A, 2017, 5, 2613-2618.	5.2	31
154	Porous Ionic Polymers as a Robust and Efficient Platform for Capture and Chemical Fixation of Atmospheric CO₂. ChemSusChem, 2017, 10, 1160-1165.	3.6	127
155	Strong Metalâ€“Support Interactions Achieved by Hydroxide-to-Oxide Support Transformation for Preparation of Sinter-Resistant Gold Nanoparticle Catalysts. ACS Catalysis, 2017, 7, 7461-7465.	5.5	158
156	Insights into the Organotemplate-Free Synthesis of Zeolite Catalysts. Engineering, 2017, 3, 567-574.	3.2	44
157	Enhancement of hydroformylation performance via increasing the phosphine ligand concentration in porous organic polymer catalysts. Catalysis Today, 2017, 298, 40-45.	2.2	24
158	Hostâ€“Guest Interactions and Their Catalytic Consequences in Methanol to Olefins Conversion on Zeolites Studied by ¹³Câ€“²⁷Al Double-Resonance Solid-State NMR Spectroscopy. ACS Catalysis, 2017, 7, 6094-6103.	5.5	24
159	Complete oxidation of formaldehyde at room temperature over an Al-rich Beta zeolite supported platinum catalyst. Applied Catalysis B: Environmental, 2017, 219, 200-208.	10.8	65
160	A Hierarchical Bipyridineâ€Constructed Framework for Highly Efficient Carbon Dioxide Capture and Catalytic Conversion. ChemSusChem, 2017, 10, 1186-1192.	3.6	94
161	Zirconium Oxide Supported Palladium Nanoparticles as a Highly Efficient Catalyst in the Hydrogenationâ€“Amination of Levulinic Acid to Pyrrolidones. ChemCatChem, 2017, 9, 2661-2667.	1.8	59
162	Enhancement of Catalytic Activity in Epoxide Hydration by Increasing the Concentration of Cobalt(III)/Salen in Porous Polymer Catalysts. ChemCatChem, 2016, 8, 812-817.	1.8	20

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163	Beyond Creation of Mesoporosity: The Advantages of Polymerâ€Based Dualâ€Function Templates for Fabricating Hierarchical Zeolites. Advanced Functional Materials, 2016, 26, 1881-1891.	7.8	66
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