Weibin Fan

List of Publications by Year
in descending order

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144	6,661	57758	74163
papers	citations	44 h-index	75 g-index

144	144	144	6810
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Improvement of the catalytic performance of ITQ-13 zeolite in methanol to olefins via Ce modification. Catalysis Today, 2023, 410, 184-192.	4.4	3
2	Facile synthesis of hierarchical macro/microporous ZSM-5 zeolite with high catalytic stability in methanol to olefins. Microporous and Mesoporous Materials, 2022, 329, 111538.	4.4	15
3	Regulation of zeolite particle morphology. Science, 2022, 375, 29-29.	12.6	6
4	Improvement of adsorption and catalytic properties of zeolites by precisely controlling their particle morphology. Chemical Communications, 2022, 58, 2041-2054.	4.1	10
5	Synthesis of methylene-bridged Î±,Î²-unsaturated ketones: Î±-C_{sp³}â€“H methylenation of aromatic ketones using Selectfluor as a mild oxidant. Organic and Biomolecular Chemistry, 2022, 20, 415-419.	2.8	3
6	Highly effective conversion of CO2 into light olefins abundant in ethene. CheM, 2022, 8, 1376-1394.	11.7	31
7	Influence of the ZSM-5 Support Acidity on the Catalytic Performance of Pd/ZSM-5 in Lean Methane Oxidation. Chemical Research in Chinese Universities, 2022, 38, 229-236.	2.6	7
8	Trimethyloxonium ion â€“ a zeolite confined mobile and efficient methyl carrier at low temperatures: a DFT study coupled with microkinetic analysis. Catalysis Science and Technology, 2022, 12, 3328-3342.	4.1	2
9	Effective conversion of CO₂ into light olefins over a bifunctional catalyst consisting of La-modified ZnZrO_x oxide and acidic zeolite. Catalysis Science and Technology, 2022, 12, 2566-2577.	4.1	15
10	Iodine-Mediated Pyridine Ring Expansion for the Construction of Azepines. Organic Letters, 2022, 24, 2075-2080.	4.6	9
11	Catalytic Performance of Various Zinc-Based Binary Metal Oxides/H-RUB-13 for Hydrogenation of CO₂. Industrial & Engineering Chemistry Research, 2022, 61, 10409-10418.	3.7	6
12	Enhancing the catalytic performance of H-ITQ-13 zeolite in the conversion of methanol to olefins through regulating the aluminum distribution in its framework. Applied Catalysis A: General, 2022, 637, 118604.	4.3	6
13	Solventâ€Free Strategy for Direct Access to Versatile Quaternary Ammonium Salts with Complete Atom Economy. ChemSusChem, 2022, 15, .	6.8	2
14	The migration of Zn species on Zn/ZSM-5 catalyst during the process of ethylene aromatization. Catalysis Science and Technology, 2022, 12, 4201-4210.	4.1	13
15	Structure and performance of supported iridium catalyst for the lean methane oxidation at low temperature. Applied Catalysis A: General, 2022, 641, 118699.	4.3	5
16	Regulating the distribution of acid sites in ZSM-11 zeolite with different halogen anions to enhance its catalytic performance in the conversion of methanol to olefins. Microporous and Mesoporous Materials, 2022, 341, 112051.	4.4	7
17	Regulating Al distribution of ZSM-5 by Sn incorporation for improving catalytic properties in methanol to olefins. Applied Catalysis B: Environmental, 2021, 280, 119391.	20.2	61
18	Conversion of syngas into light olefins over bifunctional ZnCeZrO/SAPO-34 catalysts: regulation of the surface oxygen vacancy concentration and its relation to the catalytic performance. Catalysis Science and Technology, 2021, 11, 338-348.	4.1	25

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19	Regulation of Al distributions and Cu2+ locations in SSZ-13 zeolites for NH3-SCR of NO by different alkali metal cations. Journal of Catalysis, 2021, 393, 190-201.	6.2	41
20	Self-assembly of silicoaluminophosphate nanocrystals in biphasic media with a water-insoluble structure-directing agent. Catalysis Science and Technology, 2021, 11, 5135-5146.	4.1	8
21	A three-component iodine-catalyzed oxidative coupling reaction: a heterodifunctionalization of 3-methylindoles. Organic and Biomolecular Chemistry, 2021, 19, 5794-5799.	2.8	2
22	Selectfluor facilitated bridging of indoles to bis(indolyl)methanes using methyl tert-butyl ether as a new methylene precursor. Organic and Biomolecular Chemistry, 2021, 19, 4076-4081.	2.8	12
23	Aqueous CO₂fixation: construction of pyridine skeletons in cooperation with ammonium cations. Green Chemistry, 2021, 23, 7950-7955.	9.0	8
24	Preserving the Active Cuâ€“ZnO Interface for Selective Hydrogenation of CO₂ to Dimethyl Ether and Methanol. ACS Sustainable Chemistry and Engineering, 2021, 9, 2661-2672.	6.7	29
25	Preparation of Pd/SiO2 Catalysts by a Simple Dry Ball-Milling Method for Lean Methane Oxidation and Probe of the State of Active Pd Species. Catalysts, 2021, 11, 725.	3.5	7
26	Selectivity Switching of CO2 Hydrogenation from HCOOH to CO with an In Situ Formed Ruâ€“Li Complex. ACS Catalysis, 2021, 11, 9390-9396.	11.2	6
27	Catalytic roles of the acid sites in different pore channels of H-ZSM-5 zeolite for methanol-to-olefins conversion. Chinese Journal of Catalysis, 2021, 42, 1126-1136.	14.0	23
28	Hollow and porous NiCo2O4 nanospheres for enhanced methanol oxidation reaction and oxygen reduction reaction by oxygen vacancies engineering. Applied Catalysis B: Environmental, 2021, 291, 120065.	20.2	114
29	Stabilizing the framework of SAPO-34 zeolite toward long-term methanol-to-olefins conversion. Nature Communications, 2021, 12, 4661.	12.8	32
30	Hierarchically structured Pt/K-Beta zeolites for the catalytic conversion of n-heptane to aromatics. Microporous and Mesoporous Materials, 2021, 324, 111308.	4.4	16
31	Improving methanol selectivity in CO2 hydrogenation by tuning the distance of Cu on catalyst. Applied Catalysis B: Environmental, 2021, 298, 120590.	20.2	26
32	Probing into the building and evolution of primary hydrocarbon pool species in the process of methanol to olefins over H-ZSM-5 zeolite. Molecular Catalysis, 2021, 516, 111968.	2.0	3
33	Unraveling the Relationship between Zeolite Structure and MTO Product Distribution by Theoretical Study of the Reaction Mechanism. Journal of Physical Chemistry C, 2021, 125, 26472-26483.	3.1	9
34	Assembly of Silicalite-1 Crystals Like Toy Lego Bricks into One-, Two-, and Three-Dimensional Architectures for Enhancing Its Adsorptive Separation and Catalytic Performances. ACS Applied Materials & Interfaces, 2021, 13, 58085-58095.	8.0	5
35	Thermodynamic analysis of ethanol synthesis from hydration of ethylene coupled with a sequential reaction. Frontiers of Chemical Science and Engineering, 2020, 14, 847-856.	4.4	4
36	Direct Conversion of Syngas into Light Olefins with Low CO₂ Emission. ACS Catalysis, 2020, 10, 2046-2059.	11.2	77

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37	Design of 3D Hollow Porous Heterogeneous Nickelâ€“Cobalt Phosphides for Synergistically Enhancing Catalytic Performance for Electrooxidation of Methanol. ACS Applied Materials & Interfaces, 2020, 12, 34971-34979.	8.0	42
38	Selective Conversion of CO2 into Propene and Butene. CheM, 2020, 6, 3344-3363.	11.7	58
39	Enhancement of light olefin production in CO2 hydrogenation over In2O3-based oxide and SAPO-34 composite. Journal of Catalysis, 2020, 391, 459-470.	6.2	44
40	Promoting effect of alkali metal cations on the catalytic performance of Pd/H-ZSM-5 in the combustion of lean methane. Applied Catalysis A: General, 2020, 602, 117678.	4.3	24
41	Insight into the Methylation of Alkenes and Aromatics with Methanol over Zeolite Catalysts by Linear Scaling Relations. Journal of Physical Chemistry C, 2020, 124, 13789-13798.	3.1	11
42	Synthesis of HZSM-5 Rich in Paired Al and Its Catalytic Performance for Propane Aromatization. Catalysts, 2020, 10, 622.	3.5	3
43	Developing a general method for encapsulation of metal oxide nanoparticles in mesoporous silica shell by unraveling its formation mechanism. Microporous and Mesoporous Materials, 2020, 305, 110381.	4.4	10
44	Kraft lignin derived S and O co-doped porous graphene for metal-free benzylic alcohol oxidation. Catalysis Science and Technology, 2020, 10, 2786-2796.	4.1	9
45	Temperature controlled condensation of nitriles: efficient and convenient synthesis of Î²-enaminonitriles, 4-aminopyrimidines and 4-amidinopyrimidines in one system. RSC Advances, 2020, 10, 6576-6583.	3.6	12
46	Methanol to olefins over H-RUB-13 zeolite: regulation of framework aluminum siting and acid density and their relationship to the catalytic performance. Catalysis Science and Technology, 2020, 10, 1835-1847.	4.1	24
47	Selective Formation of Para-Xylene by Methanol Aromatization over Phosphorous Modified ZSM-5 Zeolites. Catalysts, 2020, 10, 484.	3.5	17
48	Copper(II)-Dioxygen Facilitated Activation of Nitromethane: Nitrogen Donors for the Synthesis of Substituted 2-Hydroxyimino-2-phenylacetonitriles and Phthalimides. Frontiers in Chemistry, 2020, 8, 622867.	3.6	0
49	Ru/CeO2 catalyst with optimized CeO2 morphology and surface facet for efficient hydrogenation of ethyl levulinate to Î³-valerolactone. Journal of Catalysis, 2020, 389, 60-70.	6.2	52
50	A highly active Pd/H-ZSM-5 catalyst in lean methane combustion prepared via a solâ€“gel method and treated by reductionâ€“oxidation. New Journal of Chemistry, 2020, 44, 3940-3949.	2.8	20
51	Utilization of nitriles as the nitrogen source: practical and economical construction of 4-aminopyrimidine and Î²-enaminonitrile skeletons. Organic Chemistry Frontiers, 2019, 6, 3071-3077.	4.5	15
52	Copper(ii) facilitated decarboxylation for the construction of pyridylâ€“pyrazole skeletons. Inorganic Chemistry Frontiers, 2019, 6, 2359-2364.	6.0	4
53	Aerobic Oxidation of Alcohols over Isolated Single Au Atoms Supported on CeO2 Nanorods: Catalysis of Interfacial [Oâ€“Ovâ€“Ceâ€“Oâ€“Au] Sites. ACS Applied Nano Materials, 2019, 2, 5214-5223.	5.0	36
54	Tuning the siting of aluminum in ZSM-11 zeolite and regulating its catalytic performance in the conversion of methanol to olefins. Journal of Catalysis, 2019, 377, 81-97.	6.2	50

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55	Evolution of Zn Species on Zn/HZSMâ€5 Catalyst under H₂ Pretreated and its Effect on Ethylene Aromatization. ChemCatChem, 2019, 11, 3892-3902.	3.7	34
56	The acidic nature of â€œNMR-invisibleâ€• tri-coordinated framework aluminum species in zeolites. Chemical Science, 2019, 10, 10159-10169.	7.4	78
57	Low temperature hydrodeoxygenation of guaiacol into cyclohexane over Ni/SiO₂ catalyst combined with HÎ² zeolite. RSC Advances, 2019, 9, 3868-3876.	3.6	37
58	Strategies to control zeolite particle morphology. Chemical Society Reviews, 2019, 48, 885-907.	38.1	162
59	Role of Acetaldehyde in the Roadmap from Initial Carbonâ€“Carbon Bonds to Hydrocarbons during Methanol Conversion. ACS Catalysis, 2019, 9, 6491-6501.	11.2	60
60	Novel nickelâ€“cobalt phosphite with face-sharing octahedra derived electrocatalyst for efficient water splitting. Inorganic Chemistry Frontiers, 2019, 6, 2014-2023.	6.0	14
61	Recent experimental and theoretical studies on Al siting/acid site distribution in zeolite framework. Current Opinion in Chemical Engineering, 2019, 23, 146-154.	7.8	50
62	Nanosheet MFI Zeolites for Gas Phase Glycerol Dehydration to Acrolein. Catalysts, 2019, 9, 121.	3.5	31
63	Direct synthesis of acetic acid from carbon dioxide and methane over Cu-modulated BEA, MFI, MOR and TON zeolites: a density functional theory study. Catalysis Science and Technology, 2019, 9, 6613-6626.	4.1	26
64	Origin and evolution of the initial hydrocarbon pool intermediates in the transition period for the conversion of methanol to olefins over H-ZSM-5 zeolite. Journal of Catalysis, 2019, 369, 382-395.	6.2	72
65	Supported cobalt catalysts for the selective hydrogenation of ethyl levulinate to various chemicals. RSC Advances, 2018, 8, 9152-9160.	3.6	25
66	A facile method for the synthesis of graphene-like 2D metal oxides and their excellent catalytic application in the hydrogenation of nitroarenes. Journal of Materials Chemistry A, 2018, 6, 9948-9961.	10.3	33
67	Hierarchical Porous Carbons Derived from Renewable Poplar Anthers for Highâ€Performance Supercapacitors. ChemElectroChem, 2018, 5, 1451-1458.	3.4	24
68	Reaction Mechanism for Direct Cyclization of Linear C₅, C₆, and C₇ Alkenes over Hâ€ITQâ€13 Zeolite Investigated Using Density Functional Theory. ChemPhysChem, 2018, 19, 496-503.	2.1	18
69	A Highly Stable Copperâ€Based Catalyst for Clarifying the Catalytic Roles of Cu⁰ and Cu⁺ Species in Methanol Dehydrogenation. Angewandte Chemie - International Edition, 2018, 57, 1836-1840.	13.8	125
70	A Highly Stable Copperâ€Based Catalyst for Clarifying the Catalytic Roles of Cu⁰ and Cu⁺ Species in Methanol Dehydrogenation. Angewandte Chemie, 2018, 130, 1854-1858.	2.0	25
71	Electrochemical Water Splitting by Pseudoâ€spinel, Disordered and Layered Lithium Nickel Oxides: Correlation between Structural Motifs and Catalytic Properties. ChemCatChem, 2018, 10, 2551-2557.	3.7	7
72	Relation of Catalytic Performance to the Aluminum Siting of Acidic Zeolites in the Conversion of Methanol to Olefins, Viewed via a Comparison between ZSM-5 and ZSM-11. ACS Catalysis, 2018, 8, 5485-5505.	11.2	148

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73	Reaction mechanism for the conversion of methanol to olefins over H-ITQ-13 zeolite: a density functional theory study. Catalysis Science and Technology, 2018, 8, 521-533.	4.1	18
74	Strategic use of CuAlO₂ as a sustained release catalyst for production of hydrogen from methanol steam reforming. Chemical Communications, 2018, 54, 12242-12245.	4.1	27
75	Area-Controllable Synthesis of (001), (101), and (011) Planes in ZSM-5 Zeolites. Crystal Growth and Design, 2018, 18, 7548-7561.	3.0	6
76	Ni nanoparticles entrapped in nickel phyllosilicate for selective hydrogenation of guaiacol to 2-methoxycyclohexanol. Applied Catalysis A: General, 2018, 568, 231-241.	4.3	53
77	Highly active and stable Zn/ZSM-5 zeolite catalyst for the conversion of methanol to aromatics: effect of support morphology. Catalysis Science and Technology, 2018, 8, 5646-5656.	4.1	52
78	Catalytic Performance of Gold Supported on Mn, Fe and Ni Doped Ceria in the Preferential Oxidation of CO in H2-Rich Stream. Catalysts, 2018, 8, 469.	3.5	10
79	Mechanistic insights into the catalytic role of various acid sites on ZSM-5 zeolite in the carbonylation of methanol and dimethyl ether. Catalysis Science and Technology, 2018, 8, 3193-3204.	4.1	29
80	Comparative Study of Methanol to Olefins Over ZSM-5, ZSM-11, ZSM-22 and EU-1: Dependence of Catalytic Performance on the Zeolite Framework Structure. Journal of Nanoscience and Nanotechnology, 2017, 17, 3680-3688.	0.9	11
81	Effect of tungsten surface density of WO₃â€“ZrO₂ on its catalytic performance in hydrogenolysis of cellulose to ethylene glycol. RSC Advances, 2017, 7, 8567-8574.	3.6	51
82	Probing the intrinsic active sites of modified graphene oxide for aerobic benzylic alcohol oxidation. Applied Catalysis B: Environmental, 2017, 211, 89-97.	20.2	48
83	Systematic study of the crystallization process of CrAPO-5 using in situ high resolution X-ray diffraction. RSC Advances, 2017, 7, 22964-22973.	3.6	6
84	Alcoholysis: A Promising Technology for Conversion of Lignocellulose and Platform Chemicals. ChemSusChem, 2017, 10, 2547-2559.	6.8	90
85	Synthesis of Chainlike ZSM-5 Zeolites: Determination of Synthesis Parameters, Mechanism of Chainlike Morphology Formation, and Their Performance in Selective Adsorption of Xylene Isomers. ACS Applied Materials & Interfaces, 2017, 9, 14899-14910.	8.0	39
86	Facile fabrication of ZSM-5 zeolite hollow spheres for catalytic conversion of methanol to aromatics. Catalysis Science and Technology, 2017, 7, 560-564.	4.1	25
87	Influence of crystal size on the catalytic performance of H-ZSM-5 and Zn/H-ZSM-5 in the conversion of methanol to aromatics. Fuel Processing Technology, 2017, 157, 99-107.	7.2	138
88	Controllable decoration of palladium sub-nanoclusters on reduced graphene oxide with superior catalytic performance in selective oxidation of alcohols. Catalysis Science and Technology, 2017, 7, 5650-5661.	4.1	15
89	Insight into the effect of incorporation of boron into ZSM-11 on its catalytic performance for conversion of methanol to olefins. Catalysis Science and Technology, 2017, 7, 4766-4779.	4.1	23
90	Ordered mesoporous Nbâ€“W oxides for the conversion of glucose to fructose, mannose and 5-hydroxymethylfurfural. Applied Catalysis B: Environmental, 2017, 200, 611-619.	20.2	93

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91	Polyurethane Foam-Based Ultramicroporous Carbons for CO₂ Capture. ACS Applied Materials & Interfaces, 2016, 8, 18849-18859.	8.0	68
92	Methane formation mechanism in the initial methanol-to-olefins process catalyzed by SAPO-34. Catalysis Science and Technology, 2016, 6, 5526-5533.	4.1	43
93	Kinetics and thermodynamics of polymethylbenzene formation over zeolites with different pore sizes for understanding the mechanisms of methanol to olefin conversion â€“ a computational study. Catalysis Science and Technology, 2016, 6, 5326-5335.	4.1	21
94	Kinetic study of vapor-phase Beckmann rearrangement of cyclohexanone oxime over silicalite-1. Chemical Engineering Science, 2016, 153, 246-254.	3.8	18
95	Conversion of Methanol to Olefins over H-ZSM-5 Zeolite: Reaction Pathway Is Related to the Framework Aluminum Siting. ACS Catalysis, 2016, 6, 7311-7325.	11.2	285
96	One-pot conversion of furfural to alkyl levulinate over bifunctional Au-H₄SiW₁₂O₄₀/ZrO₂ without external H₂. Green Chemistry, 2016, 18, 5667-5675.	9.0	63
97	Evolution of Aromatic Species in Supercages and Its Effect on the Conversion of Methanol to Olefins over H-MCM-22 Zeolite: A Density Functional Theory Study. Journal of Physical Chemistry C, 2016, 120, 27964-27979.	3.1	24
98	Oriented control of Al locations in the framework of Al-Ge-ITQ-13 for catalyzing methanol conversion to propene. Journal of Catalysis, 2016, 344, 242-251.	6.2	36
99	Graphene oxide: an effective acid catalyst for the synthesis of polyoxymethylene dimethyl ethers from methanol and trioxymethylene. Catalysis Science and Technology, 2016, 6, 993-997.	4.1	53
100	Stability and Reactivity of Intermediates of Methanol Related Reactions and Câ€“C Bond Formation over H-ZSM-5 Acidic Catalyst: A Computational Analysis. Journal of Physical Chemistry C, 2016, 120, 6075-6087.	3.1	50
101	Self-metathesis of 1-butene to propene over SBA-15-supported WO₃. Catalysis Science and Technology, 2016, 6, 5515-5525.	4.1	24
102	Integrated Conversion of Hemicellulose and Furfural into Î³-Valerolactone over Au/ZrO₂ Catalyst Combined with ZSM-5. ACS Catalysis, 2016, 6, 2035-2042.	11.2	143
103	One-pot synthesis of mesoporous spherical SnO₂@graphene for high-sensitivity formaldehyde gas sensors. RSC Advances, 2016, 6, 25198-25202.	3.6	53
104	Regulation of Framework Aluminum Siting and Acid Distribution in H-MCM-22 by Boron Incorporation and Its Effect on the Catalytic Performance in Methanol to Hydrocarbons. ACS Catalysis, 2016, 6, 2299-2313.	11.2	113
105	Influence of Zn species in HZSM-5 on ethylene aromatization. Chinese Journal of Catalysis, 2015, 36, 880-888.	14.0	83
106	Polymethylbenzene or Alkene Cycle? Theoretical Study on Their Contribution to the Process of Methanol to Olefins over H-ZSM-5 Zeolite. Journal of Physical Chemistry C, 2015, 119, 28482-28498.	3.1	105
107	Methanol to Olefins over H-MCM-22 Zeolite: Theoretical Study on the Catalytic Roles of Various Pores. ACS Catalysis, 2015, 5, 1131-1144.	11.2	72
108	High Si/Al ratio HZSM-5 zeolite: an efficient catalyst for the synthesis of polyoxymethylene dimethyl ethers from dimethoxymethane and trioxymethylene. Green Chemistry, 2015, 17, 2353-2357.	9.0	100

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109	Catalytic properties and deactivation behavior of H-MCM-22 in the conversion of methanol to hydrocarbons. RSC Advances, 2015, 5, 28794-28802.	3.6	27
110	Effect of zeolite pore structure on the diffusion and catalytic behaviors in the transalkylation of toluene with 1,2,4-trimethylbenzene. RSC Advances, 2015, 5, 66301-66310.	3.6	25
111	Surface-mediated selective photocatalytic aerobic oxidation reactions on TiO₂ nanofibres. RSC Advances, 2015, 5, 56820-56831.	3.6	11
112	Synthesis of chiral polymorph A-enriched zeolite Beta with an extremely concentrated fluoride route. Scientific Reports, 2015, 5, 11521.	3.3	43
113	One-pot synthesis of hierarchical mordenite and its performance in the benzylation of benzene with benzyl alcohol. Journal of Materials Science, 2015, 50, 5059-5067.	3.7	20
114	Highly active Auâ€“Pd nanoparticles supported on three-dimensional grapheneâ€“carbon nanotube hybrid for selective oxidation of methanol to methyl formate. RSC Advances, 2015, 5, 44835-44839.	3.6	19
115	Graphene-based catalysis for biomass conversion. Catalysis Science and Technology, 2015, 5, 3845-3858.	4.1	100
116	Synthesis of two-dimensional mesoporous carbon nitride under different carbonization temperatures and investigation of its catalytic properties in Knoevenagel condensations. RSC Advances, 2015, 5, 22838-22846.	3.6	32
117	Ti-rich TS-1: A highly active catalyst for epoxidation of methallyl chloride to 2-methyl epichlorohydrin. Applied Catalysis A: General, 2015, 491, 78-85.	4.3	25
118	A highly efficient and robust Cu/SiO₂ catalyst prepared by the ammonia evaporation hydrothermal method for glycerol hydrogenolysis to 1,2-propanediol. Catalysis Science and Technology, 2015, 5, 1169-1180.	4.1	124
119	Graphene Oxide: An Efficient Acid Catalyst for Alcoholysis and Esterification Reactions. ChemCatChem, 2014, 6, 3080-3083.	3.7	87
120	Theoretical Insights into the Mechanism of Olefin Elimination in the Methanol-to-Olefin Process over HZSM-5, HMOR, HBEA, and HMCM-22 Zeolites. Journal of Physical Chemistry A, 2014, 118, 8901-8910.	2.5	33
121	Hollow Porous Carbon Fiber from Cotton with Nitrogen Doping. ChemPlusChem, 2014, 79, 284-289.	2.8	30
122	Influence of preparation method on the performance of Zn-containing HZSM-5 catalysts in methanol-to-aromatics. Microporous and Mesoporous Materials, 2014, 197, 252-261.	4.4	338
123	A route to form initial hydrocarbon pool species in methanol conversion to olefins over zeolites. Journal of Catalysis, 2014, 317, 277-283.	6.2	151
124	Cellulose generated-microporous carbon nanosheets with nitrogen doping. RSC Advances, 2014, 4, 9126-9132.	3.6	31
125	Presulfidation and activation mechanism of Mo/Al2O3 catalyst sulfided by ammonium thiosulfate. Korean Journal of Chemical Engineering, 2014, 31, 1368-1376.	2.7	5
126	Superior carbon-based CO2 adsorbents prepared from poplar anthers. Carbon, 2014, 69, 255-263.	10.3	85

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127	Catalytic Combustion of Lean Methane at Low Temperature Over Palladium on a CoO x â€“SiO2 Composite Support. Catalysis Letters, 2013, 143, 411-417.	2.6	18
128	Graphene-supported Auâ€“Pd bimetallic nanoparticles with excellent catalytic performance in selective oxidation of methanol to methyl formate. Chemical Communications, 2013, 49, 8250.	4.1	120
129	Selective oxidation of alcohols to aldehydes/ketones over copper oxide-supported gold catalysts. Journal of Catalysis, 2013, 299, 10-19.	6.2	107
130	A logic-based controller for the mitigation of ventilation air methane in a catalytic flow reversal reactor. Frontiers of Chemical Science and Engineering, 2013, 7, 347-356.	4.4	5
131	Nitrogen-containing porous carbons: synthesis and application. Journal of Materials Chemistry A, 2013, 1, 999-1013.	10.3	602
132	Encapsulation of a catalytically active core with a nanoporous shell: a new strategy for designing size-selective catalysts. Journal of Materials Chemistry, 2012, 22, 9069.	6.7	29
133	Rapid tuning of ZSM-5 crystal size by using polyethylene glycol or colloidal silicalite-1 seed. Microporous and Mesoporous Materials, 2012, 163, 192-200.	4.4	41
134	Facile one-pot synthesis of bimodal mesoporous carbon nitride and its function as a lipase immobilization support. Journal of Materials Chemistry, 2011, 21, 3890.	6.7	98
135	Hierarchical porous polyacrylonitrile-based activated carbon fibers for CO2 capture. Journal of Materials Chemistry, 2011, 21, 14036.	6.7	140
136	Direct synthesis of dimethyl carbonate from methanol and carbon dioxide over organotin-functionalized mesoporous benzene-silica. Pure and Applied Chemistry, 2011, 84, 663-673.	1.9	16
137	Zinc Carboxylate Functionalized Mesoporous SBA-15 Catalyst for Selective Synthesis of Methyl-4,4â€²-di(phenylcarbamate). Catalysis Letters, 2009, 128, 405-412.	2.6	21
138	Effect of ammonium salts on the synthesis and catalytic properties of TS-1. Microporous and Mesoporous Materials, 2009, 122, 301-308.	4.4	46
139	InÂSitu Preparation of Functional Heterogeneous Organotin Catalyst Tethered on SBA-15. Catalysis Letters, 2008, 121, 297-302.	2.6	43
140	Crystallization mechanism study on ZSM-48 in the system Na2O-Al2O3-SiO2-H2N(CH2)6NH2. Microporous Materials, 1997, 8, 131-140.	1.6	10
141	Effects of introduction of different alkali metal halides on crystallization and characteristics of ZSM-48 in a solid reaction mixture system Effects of alkali metal chlorides. Applied Catalysis A: General, 1996, 143, 299-308.	4.3	17
142	Synthesis and characterization of ZSM-48 in the pure solid system. Zeolites, 1995, 15, 73-76.	0.5	22
143	Construction of Singleâ€Crystalline Hierarchical ZSMâ€5 with Open Nanoarchitectures via Anisotropicâ€Kinetics Transformation for the Methanolâ€toâ€Hydrocarbons Reaction. Angewandte Chemie, 0, , .	2.0	0
144	CO2 Hydrogenation on Metal-Organic Frameworks-Based Catalysts: A Mini Review. Frontiers in Chemistry, 0, 10, .	3.6	4