

# Xiangju Meng

## List of Publications by Citations

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189  
papers

9,700  
citations

51  
h-index

92  
g-index

197  
ext. papers

11,761  
ext. citations

10.2  
avg, IF

6.4  
L-index

#	Paper	IF	Citations
189	Green routes for synthesis of zeolites. <i>Chemical Reviews</i> , <b>2014</b> , 114, 1521-43	68.1	416
188	Porous polymer catalysts with hierarchical structures. <i>Chemical Society Reviews</i> , <b>2015</b> , 44, 6018-34	58.5	379
187	Transesterification catalyzed by ionic liquids on superhydrophobic mesoporous polymers: heterogeneous catalysts that are faster than homogeneous catalysts. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 16948-50	16.4	363
186	Solvent-free synthesis of zeolites from solid raw materials. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 15173-6	16.4	288
185	ZSM-5 zeolite single crystals with b-axis-aligned mesoporous channels as an efficient catalyst for conversion of bulky organic molecules. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 4557-60	16.4	232
184	Highly Efficient Heterogeneous Hydroformylation over Rh-Metalated Porous Organic Polymers: Synergistic Effect of High Ligand Concentration and Flexible Framework. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 5204-9	16.4	225
183	Sulfated graphene as an efficient solid catalyst for acid-catalyzed liquid reactions. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 5495		219
182	Designed copper-amine complex as an efficient template for one-pot synthesis of Cu-SSZ-13 zeolite with excellent activity for selective catalytic reduction of NO <sub>x</sub> by NH <sub>3</sub> . <i>Chemical Communications</i> , <b>2011</b> , 47, 9789-91	5.8	216
181	Highly mesoporous single-crystalline zeolite beta synthesized using a nonsurfactant cationic polymer as a dual-function template. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 2503-10	16.4	214
180	Hydrophobic zeolite modification for in situ peroxide formation in methane oxidation to methanol. <i>Science</i> , <b>2020</b> , 367, 193-197	33.3	211
179	Templating route for synthesizing mesoporous zeolites with improved catalytic properties. <i>Nano Today</i> , <b>2009</b> , 4, 292-301	17.9	199
178	Hydrothermally stable ordered mesoporous titanosilicates with highly active catalytic sites. <i>Journal of the American Chemical Society</i> , <b>2002</b> , 124, 888-9	16.4	195
177	Sustainable synthesis of zeolites without addition of both organotemplates and solvents. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 4019-25	16.4	177
176	Solvent-free synthesis of silicoaluminophosphate zeolites. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 9172-5	16.4	174
175	Metalated porous porphyrin polymers as efficient heterogeneous catalysts for cycloaddition of epoxides with CO <sub>2</sub> under ambient conditions. <i>Journal of Catalysis</i> , <b>2016</b> , 338, 202-209	7.3	166
174	Seed-directed synthesis of zeolites with enhanced performance in the absence of organic templates. <i>Chemical Communications</i> , <b>2011</b> , 47, 3945-7	5.8	150
173	High-temperature generalized synthesis of stable ordered mesoporous silica-based materials by using fluorocarbon-hydrocarbon surfactant mixtures. <i>Angewandte Chemie - International Edition</i> , <b>2003</b> , 42, 3633-7	16.4	142

172	Wet-Chemistry Strong Metal-Support Interactions in Titania-Supported Au Catalysts. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 2975-2983	16.4	138
171	Solvent-free synthesis of zeolites from anhydrous starting raw solids. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 1052-5	16.4	138
170	Selective Hydrogenation of CO to Ethanol over Cobalt Catalysts. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 6104-6108	16.4	137
169	Task-Specific Design of Porous Polymer Heterogeneous Catalysts beyond Homogeneous Counterparts. <i>ACS Catalysis</i> , <b>2015</b> , 5, 4556-4567	13.1	133
168	Product Selectivity Controlled by Nanoporous Environments in Zeolite Crystals Enveloping Rhodium Nanoparticle Catalysts for CO Hydrogenation. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 8482-8488	16.4	132
167	Porous organic ligands (POLs) for synthesizing highly efficient heterogeneous catalysts. <i>Chemical Communications</i> , <b>2014</b> , 50, 11844-7	5.8	116
166	Mesoporous ZSM-5 Zeolite-Supported Ru Nanoparticles as Highly Efficient Catalysts for Upgrading Phenolic Biomolecules. <i>ACS Catalysis</i> , <b>2015</b> , 5, 2727-2734	13.1	113
165	Importance of platinum particle size for complete oxidation of toluene over Pt/ZSM-5 catalysts. <i>Chemical Communications</i> , <b>2015</b> , 51, 5936-8	5.8	112
164	Strong Metal-Support Interactions Achieved by Hydroxide-to-Oxide Support Transformation for Preparation of Sinter-Resistant Gold Nanoparticle Catalysts. <i>ACS Catalysis</i> , <b>2017</b> , 7, 7461-7465	13.1	109
163	Selective catalytic production of 5-hydroxymethylfurfural from glucose by adjusting catalyst wettability. <i>ChemSusChem</i> , <b>2014</b> , 7, 402-6	8.3	106
162	Porous Ionic Polymers as a Robust and Efficient Platform for Capture and Chemical Fixation of Atmospheric CO. <i>ChemSusChem</i> , <b>2017</b> , 10, 1160-1165	8.3	103
161	Solvent-Free Synthesis of Zeolites: Mechanism and Utility. <i>Accounts of Chemical Research</i> , <b>2018</b> , 51, 1396-1403	14.0	101
160	Importance of Zeolite Wettability for Selective Hydrogenation of Furfural over [email protected] Catalysts. <i>ACS Catalysis</i> , <b>2018</b> , 8, 474-481	13.1	101
159	New Strategies for the Preparation of Sinter-Resistant Metal-Nanoparticle-Based Catalysts. <i>Advanced Materials</i> , <b>2019</b> , 31, e1901905	24	99
158	Two-dimensional gold nanostructures with high activity for selective oxidation of carbon-hydrogen bonds. <i>Nature Communications</i> , <b>2015</b> , 6, 6957	17.4	98
157	Transesterification to biodiesel with superhydrophobic porous solid base catalysts. <i>ChemSusChem</i> , <b>2011</b> , 4, 1059-62	8.3	90
156	Enhanced performance in catalytic combustion of toluene over mesoporous Beta zeolite-supported platinum catalyst. <i>Applied Catalysis B: Environmental</i> , <b>2013</b> , 140-141, 199-205	21.8	85
155	Superhydrophobicity: Constructing Homogeneous Catalysts into Superhydrophobic Porous Frameworks to Protect Them from Hydrolytic Degradation. <i>CheM</i> , <b>2016</b> , 1, 628-639	16.2	75

154	A Hierarchical Bipyridine-Constructed Framework for Highly Efficient Carbon Dioxide Capture and Catalytic Conversion. <i>ChemSusChem</i> , <b>2017</b> , 10, 1186-1192	8.3	72
153	Adsorptive and catalytic properties in the removal of volatile organic compounds over zeolite-based materials. <i>Chinese Journal of Catalysis</i> , <b>2016</b> , 37, 800-809	11.3	68
152	Design and synthesis of an efficient nanoporous adsorbent for Hg <sup>2+</sup> and Pb <sup>2+</sup> ions in water. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 5999-6005	13	68
151	Improved para-Xylene Selectivity in meta-Xylene Isomerization Over ZSM-5 Crystals with Relatively Long b-Axis Length. <i>ChemCatChem</i> , <b>2013</b> , 5, 1517-1523	5.2	65
150	Rational synthesis of Beta zeolite with improved quality by decreasing crystallization temperature in organotemplate-free route. <i>Microporous and Mesoporous Materials</i> , <b>2013</b> , 180, 123-129	5.3	63
149	Aluminium-rich Beta zeolite-supported platinum nanoparticles for the low-temperature catalytic removal of toluene. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 5556-5562	13	62
148	Organotemplate-free synthesis of high-silica ferrierite zeolite induced by CDO-structure zeolite building units. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 9494		62
147	Insights of the Crystallization Process of Molecular Sieve AlPO <sub>4</sub> -5 Prepared by Solvent-Free Synthesis. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 6171-6	16.4	60
146	Designed synthesis of TS-1 crystals with controllable b-oriented length. <i>Chemical Communications</i> , <b>2011</b> , 47, 1048-50	5.8	59
145	Synthesis, Characterization, and Catalytic Activity of Mesostructured Titanosilicates Assembled from Polymer Surfactants with Preformed Titanosilicate Precursors in Strongly Acidic Media. <i>Journal of Physical Chemistry B</i> , <b>2003</b> , 107, 8972-8980	3.4	59
144	Enhanced catalytic performance in dehydration of sorbitol to isosorbide over a superhydrophobic mesoporous acid catalyst. <i>Catalysis Today</i> , <b>2015</b> , 242, 249-254	5.3	57
143	A hierarchical porous ionic organic polymer as a new platform for heterogeneous phase transfer catalysis. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 23871-23875	13	54
142	Pyrrolidone-modified SBA-15 supported Au nanoparticles with superior catalytic properties in aerobic oxidation of alcohols. <i>Chemical Communications</i> , <b>2010</b> , 46, 5003-5	5.8	53
141	A significant enhancement of catalytic activities in oxidation with H <sub>2</sub> O <sub>2</sub> over the TS-1 zeolite by adjusting the catalyst wettability. <i>Chemical Communications</i> , <b>2014</b> , 50, 2012-4	5.8	52
140	Solvent-free syntheses of hierarchically porous aluminophosphate-based zeolites with AEL and AFI structures. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 17616-23	4.8	51
139	Mesoporous zeolites as efficient catalysts for oil refining and natural gas conversion. <i>Frontiers of Chemical Science and Engineering</i> , <b>2013</b> , 7, 233-248	4.5	51
138	A new catalyst platform: zeolite Beta from template-free synthesis. <i>Catalysis Science and Technology</i> , <b>2013</b> , 3, 2580	5.5	51
137	Beyond Creation of Mesoporosity: The Advantages of Polymer-Based Dual-Function Templates for Fabricating Hierarchical Zeolites. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 1881-1891	15.6	51

136	Sulfonated hollow sphere carbon as an efficient catalyst for acetalisation of glycerol. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 9422	13	50
135	Superhydrophilic mesoporous sulfonated melamineformaldehyde resin supported palladium nanoparticles as an efficient catalyst for biofuel upgrade. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 8630 <sup>13</sup>		50
134	Mesoporous cross-linked polymer copolymerized with chiral BINAP ligand coordinated to a ruthenium species as an efficient heterogeneous catalyst for asymmetric hydrogenation. <i>Chemical Communications</i> , <b>2012</b> , 48, 10505-7	5.8	49
133	Solvent-free synthesis of titanosilicate zeolites. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 14093-14095	13	48
132	Isolated boron in zeolite for oxidative dehydrogenation of propane. <i>Science</i> , <b>2021</b> , 372, 76-80	33.3	48
131	Atom-economical synthesis of a high silica CHA zeolite using a solvent-free route. <i>Chemical Communications</i> , <b>2015</b> , 51, 16920-3	5.8	47
130	Silica accelerates the selective hydrogenation of CO to methanol on cobalt catalysts. <i>Nature Communications</i> , <b>2020</b> , 11, 1033	17.4	47
129	Creating solvation environments in heterogeneous catalysts for efficient biomass conversion. <i>Nature Communications</i> , <b>2018</b> , 9, 3236	17.4	47
128	Design and preparation of efficient hydroisomerization catalysts by the formation of stable SAPO-11 molecular sieve nanosheets with 10-20 nm thickness and partially blocked acidic sites. <i>Chemical Communications</i> , <b>2017</b> , 53, 4942-4945	5.8	46
127	Organotemplate-free and seed-directed synthesis of levyne zeolite. <i>Microporous and Mesoporous Materials</i> , <b>2012</b> , 155, 1-7	5.3	46
126	Interlayer-Expanded Microporous Titanosilicate Catalysts with Functionalized Hydroxyl Groups. <i>ChemCatChem</i> , <b>2011</b> , 3, 1442-1446	5.2	46
125	Efficient and rapid transformation of high silica CHA zeolite from FAU zeolite in the absence of water. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 9076-9080	13	45
124	Solvent-Free Synthesis of Zeolite Crystals Encapsulating Gold-Palladium Nanoparticles for the Selective Oxidation of Bioethanol. <i>ChemSusChem</i> , <b>2015</b> , 8, 2867-71	8.3	45
123	Methanol to Olefins Reaction over Cavity-type Zeolite: Cavity Controls the Critical Intermediates and Product Selectivity. <i>ACS Catalysis</i> , <b>2018</b> , 8, 10950-10963	13.1	43
122	Controllable cyanation of carbon-hydrogen bonds by zeolite crystals over manganese oxide catalyst. <i>Nature Communications</i> , <b>2017</b> , 8, 15240	17.4	42
121	Complete oxidation of formaldehyde at room temperature over an Al-rich Beta zeolite supported platinum catalyst. <i>Applied Catalysis B: Environmental</i> , <b>2017</b> , 219, 200-208	21.8	42
120	Organotemplate-free, seed-directed, and rapid synthesis of Al-rich zeolite MTT with improved catalytic performance in isomerization of m-xylene. <i>Microporous and Mesoporous Materials</i> , <b>2014</b> , 186, 106-112	5.3	41
119	Ordered mesoporous titanosilicates with catalytically stable and active four-coordinated titanium sites. <i>Chemical Communications</i> , <b>2004</b> , 2612-3	5.8	41

118	Coking-Resistant Iron Catalyst in Ethane Dehydrogenation Achieved through Siliceous Zeolite Modulation. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 16429-16436	16.4	41
117	Strategies for the design of porous polymers as efficient heterogeneous catalysts: from co-polymerization to self-polymerization. <i>Catalysis Science and Technology</i> , <b>2017</b> , 7, 1028-1039	5.5	40
116	Solvent-free and Mesopore-free Synthesis of Mesoporous Aluminosilicate ZSM-5 Zeolites with Superior Catalytic Properties in the Methanol-to-Olefins Reaction. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2017</b> , 56, 1450-1460	3.9	40
115	Superior performance in catalytic combustion of toluene over mesoporous ZSM-5 zeolite supported platinum catalyst. <i>Catalysis Today</i> , <b>2015</b> , 258, 190-195	5.3	40
114	Seed-directed and organotemplate-free synthesis of TON zeolite. <i>Catalysis Today</i> , <b>2014</b> , 226, 103-108	5.3	40
113	Porous Polymerized Organocatalysts Rationally Synthesized from the Corresponding Vinyl-Functionalized Monomers as Efficient Heterogeneous Catalysts. <i>ACS Catalysis</i> , <b>2015</b> , 5, 1556-1559	13.1	38
112	Organotemplate-Free Syntheses of ZSM-34 Zeolite and Its Heteroatom-Substituted Analogues with Good Catalytic Performance. <i>Chemistry of Materials</i> , <b>2010</b> , 22, 3099-3107	9.6	38
111	Stable Bulky Particles Formed by TS-1 Zeolite Nanocrystals in the Presence of H <sub>2</sub> O <sub>2</sub> . <i>ChemCatChem</i> , <b>2010</b> , 2, 407-412	5.2	38
110	Cobalt-Nickel Catalysts for Selective Hydrogenation of Carbon Dioxide into Ethanol. <i>ACS Catalysis</i> , <b>2019</b> , 9, 11335-11340	13.1	37
109	Creation of Brønsted acid sites on Sn-based solid catalysts for the conversion of biomass. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 3725	13	37
108	Solvent-free synthesis of thermally stable and hierarchically porous aluminophosphates (SF-APOs) and heteroatom-substituted aluminophosphates (SF-MAPOs). <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 12026		36
107	Selective catalytic reduction of NO with NH <sub>3</sub> : opportunities and challenges of Cu-based small-pore zeolites. <i>National Science Review</i> , <b>2021</b> , 8, nwab010	10.8	36
106	Catalytically active and hierarchically porous SAPO-11 zeolite synthesized in the presence of polyhexamethylene biguanidine. <i>Journal of Colloid and Interface Science</i> , <b>2014</b> , 418, 193-9	9.3	35
105	Superhydrophobic, chiral, and mesoporous TsDPEN copolymer coordinated to ruthenium species as an efficient catalyst for asymmetric transfer hydrogenation. <i>Nano Today</i> , <b>2013</b> , 8, 342-350	17.9	35
104	Mechanism on solvent-free crystallization of NaA zeolite. <i>Microporous and Mesoporous Materials</i> , <b>2017</b> , 237, 201-209	5.3	35
103	Superior Performance in Catalytic Combustion of Toluene over KZSM-5 Zeolite Supported Platinum Catalyst. <i>Catalysis Letters</i> , <b>2014</b> , 144, 1851-1859	2.8	33
102	Organotemplate-free and seed-directed synthesis of ZSM-34 zeolite with good performance in methanol-to-olefins. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 12238		33
101	Development of a post-synthetic method for tuning the Al content of OSDA-free Beta as a catalyst for conversion of methanol to olefins. <i>Catalysis Science and Technology</i> , <b>2016</b> , 6, 713-721	5.5	31



100	Hydrophobic Zeolite Containing Titania Particles as Wettability-Selective Catalyst for Formaldehyde Removal. <i>ACS Catalysis</i> , <b>2018</b> , 8, 5250-5254	13.1	29
99	Recyclable porous polymer-supported copper catalysts for Glaser and Huisgen 1,3-diolar cycloaddition reactions. <i>Chemistry - an Asian Journal</i> , <b>2013</b> , 8, 2822-7	4.5	29
98	One-pot synthesis of Fe-Beta zeolite by an organotemplate-free and seed-directed route. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 3254	13	29
97	Transformation synthesis of aluminosilicate SSZ-39 zeolite from ZSM-5 and beta zeolite. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 4420-4425	13	28
96	Solvent-Free Synthesis of Silicoaluminophosphate Zeolites. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 9342-9345	3.6	28
95	Direct observation of tin sites and their reversible interconversion in zeolites by solid-state NMR spectroscopy. <i>Communications Chemistry</i> , <b>2018</b> , 1,	6.3	27
94	High temperature synthesis of high silica zeolite Y with good crystallinity in the presence of N-methylpyridinium iodide. <i>Chemical Communications</i> , <b>2013</b> , 49, 10495-7	5.8	27
93	Design and Preparation of Supported Au Catalyst with Enhanced Catalytic Activities by Rationally Positioning Au Nanoparticles on Anatase. <i>Journal of Physical Chemistry Letters</i> , <b>2015</b> , 6, 2345-9	6.4	27
92	Organotemplate-free and one-pot fabrication of nano-rod assembled plate-like micro-sized mordenite crystals. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 6564		27
91	Selective Hydrogenation of CO <sub>2</sub> to Ethanol over Cobalt Catalysts. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 6212-6216	5.2	26
90	Enhanced aromatic selectivity by the sheet-like ZSM-5 in syngas conversion. <i>Journal of Energy Chemistry</i> , <b>2019</b> , 35, 44-48	12	26
89	Insights into the Organotemplate-Free Synthesis of Zeolite Catalysts. <i>Engineering</i> , <b>2017</b> , 3, 567-574	9.7	25
88	Solvent-free synthesis of zeolite catalysts. <i>Science China Chemistry</i> , <b>2015</b> , 58, 6-13	7.9	24
87	Copper-Incorporated Porous Polydivinylbenzene as Efficient and Recyclable Heterogeneous Catalyst in Ullmann Biaryl Ether Coupling. <i>ChemCatChem</i> , <b>2013</b> , 5, 1606-1613	5.2	24
86	Combination of binary active sites into heterogeneous porous polymer catalysts for efficient transformation of CO <sub>2</sub> under mild conditions. <i>Chinese Journal of Catalysis</i> , <b>2021</b> , 42, 618-626	11.3	24
85	Atomically Dispersed Ru on Manganese Oxide Catalyst Boosts Oxidative Cyanation. <i>ACS Catalysis</i> , <b>2020</b> , 10, 6299-6308	13.1	23
84	Aluminum Fluoride Modified HZSM-5 Zeolite with Superior Performance in Synthesis of Dimethyl Ether from Methanol. <i>Energy &amp; Fuels</i> , <b>2012</b> , 26, 4475-4480	4.1	23
83	Dispersed Nickel Boosts Catalysis by Copper in CO <sub>2</sub> Hydrogenation. <i>ACS Catalysis</i> , <b>2020</b> , 10, 9261-9270	13.1	23

82	Recent advances in the preparation of zeolites for the selective catalytic reduction of NO <sub>x</sub> in diesel engines. <i>Reaction Chemistry and Engineering</i> , <b>2019</b> , 4, 975-985	4.9	23
81	Sustainable Synthesis of Pure Silica Zeolites from a Combined Strategy of Zeolite Seeding and Alcohol Filling. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 12138-12142	16.4	22
80	Mesoporous Solid Acid Catalysts. <i>Catalysis Surveys From Asia</i> , <b>2011</b> , 15, 37-48	2.8	22
79	Generalized high-temperature synthesis of zeolite catalysts with unpredictably high space-time yields (STYs). <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 2613-2618	13	21
78	Porous polymer supported palladium catalyst for cross coupling reactions with high activity and recyclability. <i>Science China Chemistry</i> , <b>2012</b> , 55, 2095-2103	7.9	21
77	An efficient, rapid, and non-centrifugation synthesis of nanosized zeolites by accelerating the nucleation rate. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 21156-21161	13	21
76	Catalytic performance for toluene abatement over Al-rich Beta zeolite supported manganese oxides. <i>Catalysis Today</i> , <b>2017</b> , 297, 182-187	5.3	18
75	Mapping Al Distributions in SSZ-13 Zeolites from <sup>23</sup> Na Solid-State NMR Spectroscopy and DFT Calculations. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 9973-9979	3.8	18
74	Host-Guest Interactions and Their Catalytic Consequences in Methanol to Olefins Conversion on Zeolites Studied by <sup>13</sup> C/ <sup>27</sup> Al Double-Resonance Solid-State NMR Spectroscopy. <i>ACS Catalysis</i> , <b>2017</b> , 7, 6094-6103	13.1	18
73	Direct Synthesis of Aluminosilicate SSZ-39 Zeolite Using Colloidal Silica as a Starting Source. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 23112-23117	9.5	17
72	Importance of controllable Al sites in CHA framework by crystallization pathways for NH <sub>3</sub> -SCR reaction. <i>Applied Catalysis B: Environmental</i> , <b>2020</b> , 277, 119193	21.8	17
71	Interzeolite transformation from FAU to CHA and MFI zeolites monitored by UV Raman spectroscopy. <i>Chinese Journal of Catalysis</i> , <b>2019</b> , 40, 1854-1859	11.3	17
70	Solvent-free synthesis of SAPO-5 zeolite with plate-like morphology in the presence of surfactants. <i>Chinese Journal of Catalysis</i> , <b>2015</b> , 36, 797-800	11.3	17
69	An efficient synthesis of NaA zeolite membranes from direct crystallization of gel-dipped macroporous alumina tubes with seeds. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 10484-10489	13	16
68	A porous Brønsted superacid as an efficient and durable solid catalyst. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 18712-18719	13	16
67	Fe-ZSM-5 supported palladium nanoparticles as an efficient catalyst for toluene abatement. <i>Catalysis Today</i> , <b>2019</b> , 332, 195-200	5.3	15
66	Direct Synthesis of Aluminosilicate IWR Zeolite from a Strong Interaction between Zeolite Framework and Organic Template. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 18318-18324	16.4	15
65	Enhancement of hydroformylation performance via increasing the phosphine ligand concentration in porous organic polymer catalysts. <i>Catalysis Today</i> , <b>2017</b> , 298, 40-45	5.3	15



64	Mg-Al Mixed Oxides Supported Bimetallic Au-Pd Nanoparticles with Superior Catalytic Properties in Aerobic Oxidation of Benzyl Alcohol and Glycerol. <i>Chinese Journal of Chemistry</i> , <b>2012</b> , 30, 2189-2197	4.9	15
63	Enhancement of Catalytic Activity in Epoxide Hydration by Increasing the Concentration of Cobalt(III)/Salen in Porous Polymer Catalysts. <i>ChemCatChem</i> , <b>2016</b> , 8, 812-817	5.2	15
62	Exceptional activity for formaldehyde combustion using siliceous Beta zeolite as a catalyst support. <i>Catalysis Today</i> , <b>2020</b> , 339, 174-180	5.3	15
61	110th Anniversary: Sustainable Synthesis of Zeolites: From Fundamental Research to Industrial Production. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2019</b> , 58, 11653-11658	3.9	14
60	Evolution of D6R units in the interzeolite transformation from FAU, MFI or *BEA into AEI: transfer or reassembly?. <i>Inorganic Chemistry Frontiers</i> , <b>2020</b> , 7, 2204-2211	6.8	14
59	Selective conversion of syngas to propane over ZnCrO <sub>2</sub> -SSZ-39 OX-ZEO catalysts. <i>Journal of Energy Chemistry</i> , <b>2019</b> , 36, 141-147	12	14
58	Location matters: cooperativity of catalytic partners in porous organic polymers for enhanced CO transformation. <i>Chemical Communications</i> , <b>2019</b> , 55, 9180-9183	5.8	14
57	Mn-promoted Ag supported on pure siliceous Beta zeolite (Ag/Beta-Si) for catalytic combustion of formaldehyde. <i>Applied Catalysis B: Environmental</i> , <b>2020</b> , 268, 118461	21.8	14
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54	High-temperature hydrothermal synthesis of magnetically active, ordered mesoporous resin and carbon monoliths with reusable adsorption for organic dye. <i>Adsorption</i> , <b>2013</b> , 19, 39-47	2.6	12
53	Self-formation of hierarchical SAPO-11 molecular sieves as an efficient hydroisomerization support. <i>Catalysis Today</i> , <b>2020</b> , 350, 165-170	5.3	12
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48	Strong Oxide Support Interactions Accelerate Selective Dehydrogenation of Propane by Modulating the Surface Oxygen. <i>ACS Catalysis</i> , <b>2020</b> , 10, 10559-10569	13.1	10
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44	A Cationic Oligomer as an Organic Template for Direct Synthesis of Aluminosilicate ITH Zeolite. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 15649-15655	16.4	9
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42	Alcohol-assisted synthesis of high-silica zeolites in the absence of organic structure-directing agents. <i>Chinese Journal of Catalysis</i> , <b>2021</b> , 42, 563-570	11.3	9
41	Sustainable and efficient synthesis of nanosized EMT zeolites under solvent-free and organotemplate-free conditions. <i>Microporous and Mesoporous Materials</i> , <b>2019</b> , 286, 105-109	5.3	8
40	Mesoporous EU-1 zeolite synthesized in the presence of cationic polymer. <i>Microporous and Mesoporous Materials</i> , <b>2016</b> , 235, 246-252	5.3	8
39	N-Oxyl Radicals Trapped on Zeolite Surface Accelerate Photocatalysis. <i>ACS Catalysis</i> , <b>2019</b> , 9, 10448-10453	5.1	8
38	Cu-Exchanged CHA-Type Zeolite from Organic Template-Free Synthesis: An Effective Catalyst for NH <sub>3</sub> -SCR. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2020</b> , 59, 7375-7382	3.9	7
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25	Advances in the synthesis and application of SSZ-39 zeolite. <i>Inorganic Chemistry Frontiers</i> ,	6.8	3
24	Design of Cobalt-Amine Complex as an Efficient Structure-Directing Agent for One-Pot Synthesis of Co-SSZ-13 Zeolite. <i>Journal of Physical Chemistry C</i> , <b>2021</b> , 125, 16343-16349	3.8	3
23	Sustainable Routes for Zeolite Synthesis. <i>Green Chemistry and Sustainable Technology</i> , <b>2016</b> , 3-35	1.1	2
22	Fluoride-free synthesis of anatase TiO <sub>2</sub> crystals rich in (001) facets in the presence of cationic polymer. <i>Chinese Journal of Catalysis</i> , <b>2013</b> , 34, 2004-2008	11.3	2
21	Sustainable Routes for Synthesis of Zeolite Catalysts <b>2017</b> , 251-274		2
20	Zeolites with Hierarchically Porous Structure: Mesoporous Zeolites <b>2011</b> , 435-455		2
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18	Recent advances in organotemplate-free synthesis of zeolites. <i>Current Opinion in Green and Sustainable Chemistry</i> , <b>2020</b> , 25, 100363	7.9	1
17	A Cationic Oligomer as an Organic Template for Direct Synthesis of Aluminosilicate ITH Zeolite. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 15779-15785	3.6	1
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