

Xiangju Meng

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Zeolites for control of NO emissions: Opportunities and challenges. <i>Chem Catalysis</i> , 2022 , 2, 253-261		1
188	Isolated boron in zeolite for oxidative dehydrogenation of propane. <i>Science</i> , 2021 , 372, 76-80	33.3	48
187	Calcination-Free Fabrication of Highly β -Oriented Silicalite-1 Zeolite Films by Secondary Growth in the Absence of Organic Structure-Directing Agents. <i>Industrial & Engineering Chemistry Research</i> , 2021 , 60, 7167-7173	3.9	1
186	Porous Organic Phenanthroline-Based Polymer as an Efficient Transition-Metal-Free Heterogeneous Catalyst for Direct Aromatic C-H Activation. <i>Chemistry - A European Journal</i> , 2021 , 27, 8684-8688	4.8	1
185	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> , 2021 , 125, 16343-16349	3.8	3
184	Potassium-directed sustainable synthesis of new high silica small-pore zeolite with KFI structure (ZJM-7) as an efficient catalyst for NH ₃ -SCR reaction. <i>Applied Catalysis B: Environmental</i> , 2021 , 281, 119480	21.8	10
183	Alcohol-assisted synthesis of high-silica zeolites in the absence of organic structure-directing agents. <i>Chinese Journal of Catalysis</i> , 2021 , 42, 563-570	11.3	9
182	Combination of binary active sites into heterogeneous porous polymer catalysts for efficient transformation of CO ₂ under mild conditions. <i>Chinese Journal of Catalysis</i> , 2021 , 42, 618-626	11.3	24
181	Enhanced catalytic performance of methane combustion over zeolite-supported Pd catalysts with the lanthanum. <i>Catalysis Today</i> , 2021 , 364, 16-20	5.3	6
180	Selective catalytic reduction of NO with NH ₃ : opportunities and challenges of Cu-based small-pore zeolites. <i>National Science Review</i> , 2021 , 8, nwab010	10.8	36
179	Sustainable one-pot preparation of fully crystalline shaped zeolite catalysts. <i>Catalysis Science and Technology</i> , 2021 , 11, 5650-5655	5.5	2
178	Metalated Porous Phenanthroline-Based Polymers as Efficient Heterogeneous Catalysts for Regioselective C-H Activation of Heteroarenes. <i>Chemistry - an Asian Journal</i> , 2021 , 16, 2469-2474	4.5	1
177	Atomically Dispersed Ru on Manganese Oxide Catalyst Boosts Oxidative Cyanation. <i>ACS Catalysis</i> , 2020 , 10, 6299-6308	13.1	23
176	Evolution of D6R units in the interzeolite transformation from FAU, MFI or *BEA into AEI: transfer or reassembly?. <i>Inorganic Chemistry Frontiers</i> , 2020 , 7, 2204-2211	6.8	14
175	Importance of controllable Al sites in CHA framework by crystallization pathways for NH ₃ -SCR reaction. <i>Applied Catalysis B: Environmental</i> , 2020 , 277, 119193	21.8	17
174	A Cationic Oligomer as an Organic Template for Direct Synthesis of Aluminosilicate ITH Zeolite. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 15649-15655	16.4	9
173	Recent advances in organotemplate-free synthesis of zeolites. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2020 , 25, 100363	7.9	1

172	A Cationic Oligomer as an Organic Template for Direct Synthesis of Aluminosilicate ITH Zeolite. <i>Angewandte Chemie</i> , 2020 , 132, 15779-15785	3.6	1
171	Theoretical Prediction from Classical Equations and Rational Synthesis of Ultrafine LTL Zeolite Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 13819-13824	3.8	0
170	Synthesis of Aluminophosphate Molecular Sieves in Alkaline Media. <i>Chemistry - A European Journal</i> , 2020 , 26, 11408-11411	4.8	1
169	Solvent-free crystallization of ZSM-5 zeolite on SiC foam as a monolith catalyst for biofuel upgrading. <i>Chinese Journal of Catalysis</i> , 2020 , 41, 1118-1124	11.3	6
168	Cu-Exchanged CHA-Type Zeolite from Organic Template-Free Synthesis: An Effective Catalyst for NH ₃ -SCR. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 7375-7382	3.9	7
167	One-pot fabrication of metal-zeolite catalysts from a combination of solvent-free and sodium-free routes. <i>Catalysis Today</i> , 2020 , 371, 64-64	5.3	1
166	Silica accelerates the selective hydrogenation of CO to methanol on cobalt catalysts. <i>Nature Communications</i> , 2020 , 11, 1033	17.4	47
165	Illuminating solvent-free synthesis of zeolites. <i>Dalton Transactions</i> , 2020 , 49, 6939-6944	4.3	7
164	Hydrophobic zeolite modification for in situ peroxide formation in methane oxidation to methanol. <i>Science</i> , 2020 , 367, 193-197	33.3	211
163	Mn-promoted Ag supported on pure siliceous Beta zeolite (Ag/Beta-Si) for catalytic combustion of formaldehyde. <i>Applied Catalysis B: Environmental</i> , 2020 , 268, 118461	21.8	14
162	Dispersed Nickel Boosts Catalysis by Copper in CO ₂ Hydrogenation. <i>ACS Catalysis</i> , 2020 , 10, 9261-9270	13.1	23
161	Coking-Resistant Iron Catalyst in Ethane Dehydrogenation Achieved through Siliceous Zeolite Modulation. <i>Journal of the American Chemical Society</i> , 2020 , 142, 16429-16436	16.4	41
160	Strong Oxide-Support Interactions Accelerate Selective Dehydrogenation of Propane by Modulating the Surface Oxygen. <i>ACS Catalysis</i> , 2020 , 10, 10559-10569	13.1	10
159	Exceptional activity for formaldehyde combustion using siliceous Beta zeolite as a catalyst support. <i>Catalysis Today</i> , 2020 , 339, 174-180	5.3	15
158	Self-formation of hierarchical SAPO-11 molecular sieves as an efficient hydroisomerization support. <i>Catalysis Today</i> , 2020 , 350, 165-170	5.3	12
157	Organosilane surfactant-assisted synthesis of mesoporous SSZ-39 zeolite with enhanced catalytic performance in the methanol-to-olefins reaction. <i>Frontiers of Chemical Science and Engineering</i> , 2020 , 14, 267-274	4.5	6
156	Enhanced catalytic activity in propene oxidation over NaZSM-5 zeolite-supported Pt nanoparticles by increasing the zeolite Si/Al ratio. <i>Catalysis Today</i> , 2020 , 355, 476-481	5.3	5
155	Nanorod Manganese Oxide as an Efficient Heterogeneous Catalyst for Hydration of Nitriles into Amides. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 17319-17324	3.9	9

154	Wet-Chemistry Strong Metal-Support Interactions in Titania-Supported Au Catalysts. <i>Journal of the American Chemical Society</i> , 2019 , 141, 2975-2983	16.4	138
153	110th Anniversary: Sustainable Synthesis of Zeolites: From Fundamental Research to Industrial Production. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 11653-11658	3.9	14
152	Design of fast crystallization of nanosized zeolite omega crystals at higher temperatures. <i>Chinese Journal of Catalysis</i> , 2019 , 40, 1093-1099	11.3	5
151	Ultrathin nanosheets of aluminosilicate FER zeolites synthesized in the presence of a sole small organic ammonium. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 16671-16676	13	12
150	Direct Synthesis of Aluminosilicate SSZ-39 Zeolite Using Colloidal Silica as a Starting Source. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 23112-23117	9.5	17
149	Boosting the hydrolytic stability of phosphite ligand in hydroformylation by the construction of superhydrophobic porous framework. <i>Molecular Catalysis</i> , 2019 , 474, 110408	3.3	9
148	Product Selectivity Controlled by Nanoporous Environments in Zeolite Crystals Enveloping Rhodium Nanoparticle Catalysts for CO Hydrogenation. <i>Journal of the American Chemical Society</i> , 2019 , 141, 8482-8488	16.4	132
147	Sustainable and efficient synthesis of nanosized EMT zeolites under solvent-free and organotemplate-free conditions. <i>Microporous and Mesoporous Materials</i> , 2019 , 286, 105-109	5.3	8
146	Transformation synthesis of aluminosilicate SSZ-39 zeolite from ZSM-5 and beta zeolite. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 4420-4425	13	28
145	Fe-ZSM-5 supported palladium nanoparticles as an efficient catalyst for toluene abatement. <i>Catalysis Today</i> , 2019 , 332, 195-200	5.3	15
144	Selective conversion of syngas to propane over ZnCrO -SSZ-39 OX-ZEO catalysts. <i>Journal of Energy Chemistry</i> , 2019 , 36, 141-147	12	14
143	Bio-inspired creation of heterogeneous reaction vessels via polymerization of supramolecular ion pair. <i>Nature Communications</i> , 2019 , 10, 3059	17.4	11
142	Sustainable Synthesis of Pure Silica Zeolites from a Combined Strategy of Zeolite Seeding and Alcohol Filling. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 12138-12142	16.4	22
141	Location matters: cooperativity of catalytic partners in porous organic polymers for enhanced CO transformation. <i>Chemical Communications</i> , 2019 , 55, 9180-9183	5.8	14
140	New Strategies for the Preparation of Sinter-Resistant Metal-Nanoparticle-Based Catalysts. <i>Advanced Materials</i> , 2019 , 31, e1901905	24	99
139	Sustainable Synthesis of Pure Silica Zeolites from a Combined Strategy of Zeolite Seeding and Alcohol Filling. <i>Angewandte Chemie</i> , 2019 , 131, 12266-12270	3.6	0
138	Direct Synthesis of Aluminosilicate IWR Zeolite from a Strong Interaction between Zeolite Framework and Organic Template. <i>Journal of the American Chemical Society</i> , 2019 , 141, 18318-18324	16.4	15
137	Cobalt-Nickel Catalysts for Selective Hydrogenation of Carbon Dioxide into Ethanol. <i>ACS Catalysis</i> , 2019 , 9, 11335-11340	13.1	37

136	Interzeolite transformation from FAU to CHA and MFI zeolites monitored by UV Raman spectroscopy. <i>Chinese Journal of Catalysis</i> , 2019 , 40, 1854-1859	11.3	17
135	N-Oxyl Radicals Trapped on Zeolite Surface Accelerate Photocatalysis. <i>ACS Catalysis</i> , 2019 , 9, 10448-10453	3.1	8
134	Enhanced aromatic selectivity by the sheet-like ZSM-5 in syngas conversion. <i>Journal of Energy Chemistry</i> , 2019 , 35, 44-48	12	26
133	Recent advances in the preparation of zeolites for the selective catalytic reduction of NO _x in diesel engines. <i>Reaction Chemistry and Engineering</i> , 2019 , 4, 975-985	4.9	23
132	Direct observation of tin sites and their reversible interconversion in zeolites by solid-state NMR spectroscopy. <i>Communications Chemistry</i> , 2018 , 1,	6.3	27
131	Selective Hydrogenation of CO to Ethanol over Cobalt Catalysts. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 6104-6108	16.4	137
130	Selective Hydrogenation of CO ₂ to Ethanol over Cobalt Catalysts. <i>Angewandte Chemie</i> , 2018 , 130, 6212-6216	6.2	26
129	Efficient synthesis of aluminosilicate RTH zeolite with good catalytic performances in NH ₃ -SCR and MTO reactions. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 8705-8711	13	13
128	Mapping Al Distributions in SSZ-13 Zeolites from ²³ Na Solid-State NMR Spectroscopy and DFT Calculations. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 9973-9979	3.8	18
127	Enhanced synthetic efficiency of CHA zeolite crystallized at higher temperatures. <i>Catalysis Today</i> , 2018 , 316, 31-36	5.3	9
126	Surprising separation selectivity of ethylene from ethane over pure siliceous zeolites with framework flexibility. <i>Science China Materials</i> , 2018 , 61, 763-764	7.1	
125	Porous Organic Polymers Constructed from Tröger's Base as Efficient Carbon Dioxide Adsorbents and Heterogeneous Catalysts. <i>ChemCatChem</i> , 2018 , 10, 1900-1904	5.2	7
124	Hydrophobic Zeolite Containing Titania Particles as Wettability-Selective Catalyst for Formaldehyde Removal. <i>ACS Catalysis</i> , 2018 , 8, 5250-5254	13.1	29
123	Solvent-Free Synthesis of Zeolites: Mechanism and Utility. <i>Accounts of Chemical Research</i> , 2018 , 51, 1396-1403	2.5	101
122	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> , 2018 , 6, 10484-10489	13	16
121	Creating solvation environments in heterogeneous catalysts for efficient biomass conversion. <i>Nature Communications</i> , 2018 , 9, 3236	17.4	47
120	Importance of Zeolite Wettability for Selective Hydrogenation of Furfural over Catalysts. <i>ACS Catalysis</i> , 2018 , 8, 474-481	13.1	101
119	An efficient, rapid, and non-centrifugation synthesis of nanosized zeolites by accelerating the nucleation rate. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 21156-21161	13	21

118	Interfacial CoO Layers on TiO as an Efficient Catalyst for Solvent-Free Aerobic Oxidation of Hydrocarbons. <i>ChemSusChem</i> , 2018 , 11, 3965-3974	8.3	5
117	Methanol to Olefins Reaction over Cavity-type Zeolite: Cavity Controls the Critical Intermediates and Product Selectivity. <i>ACS Catalysis</i> , 2018 , 8, 10950-10963	13.1	43
116	Design Synthesis of ITE Zeolite Using Nickel-Amine Complex as an Efficient Structure-Directing Agent. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 33214-33220	9.5	7
115	A porous Brønsted superacid as an efficient and durable solid catalyst. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 18712-18719	13	16
114	Strategies for the design of porous polymers as efficient heterogeneous catalysts: from co-polymerization to self-polymerization. <i>Catalysis Science and Technology</i> , 2017 , 7, 1028-1039	5.5	40
113	Solvent-free and Mesopore-free Synthesis of Mesoporous Aluminosilicate ZSM-5 Zeolites with Superior Catalytic Properties in the Methanol-to-Olefins Reaction. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 1450-1460	3.9	40
112	Solvent-Free Synthesis of ITQ-12, ITQ-13, and ITQ-17 Zeolites. <i>Chinese Journal of Chemistry</i> , 2017 , 35, 572-576	4.9	10
111	Efficient and rapid transformation of high silica CHA zeolite from FAU zeolite in the absence of water. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 9076-9080	13	45
110	Controllable cyanation of carbon-hydrogen bonds by zeolite crystals over manganese oxide catalyst. <i>Nature Communications</i> , 2017 , 8, 15240	17.4	42
109	Catalytic performance for toluene abatement over Al-rich Beta zeolite supported manganese oxides. <i>Catalysis Today</i> , 2017 , 297, 182-187	5.3	18
108	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> , 2017 , 53, 4942-4945	5.8	46
107	Generalized high-temperature synthesis of zeolite catalysts with unpredictably high space-time yields (STYs). <i>Journal of Materials Chemistry A</i> , 2017 , 5, 2613-2618	13	21
106	Porous Ionic Polymers as a Robust and Efficient Platform for Capture and Chemical Fixation of Atmospheric CO. <i>ChemSusChem</i> , 2017 , 10, 1160-1165	8.3	103
105	Strong Metal-Support Interactions Achieved by Hydroxide-to-Oxide Support Transformation for Preparation of Sinter-Resistant Gold Nanoparticle Catalysts. <i>ACS Catalysis</i> , 2017 , 7, 7461-7465	13.1	109
104	Insights into the Organotemplate-Free Synthesis of Zeolite Catalysts. <i>Engineering</i> , 2017 , 3, 567-574	9.7	25
103	Ordered Mesoporous Silica-Based Catalysts for Biomass Conversion 2017 , 99-125		1
102	Mesoporous Zeolite for Biomass Conversion 2017 , 209-230		1
101	Enhancement of hydroformylation performance via increasing the phosphine ligand concentration in porous organic polymer catalysts. <i>Catalysis Today</i> , 2017 , 298, 40-45	5.3	15

100	Host-Guest Interactions and Their Catalytic Consequences in Methanol to Olefins Conversion on Zeolites Studied by $^{13}\text{C}/^{27}\text{Al}$ Double-Resonance Solid-State NMR Spectroscopy. <i>ACS Catalysis</i> , 2017 , 7, 6094-6103	13.1	18
99	Sustainable Routes for Synthesis of Zeolite Catalysts 2017 , 251-274		2
98	Complete oxidation of formaldehyde at room temperature over an Al-rich Beta zeolite supported platinum catalyst. <i>Applied Catalysis B: Environmental</i> , 2017 , 219, 200-208	21.8	42
97	Mechanism on solvent-free crystallization of NaA zeolite. <i>Microporous and Mesoporous Materials</i> , 2017 , 237, 201-209	5.3	35
96	A Hierarchical Bipyridine-Constructed Framework for Highly Efficient Carbon Dioxide Capture and Catalytic Conversion. <i>ChemSusChem</i> , 2017 , 10, 1186-1192	8.3	72
95	Activity of Zeolitic Catalysts 2017 , 417-442		
94	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> , 2016 , 6, 713-721	5.5	31
93	Mesoporous EU-1 zeolite synthesized in the presence of cationic polymer. <i>Microporous and Mesoporous Materials</i> , 2016 , 235, 246-252	5.3	8
92	Superhydrophobicity: Constructing Homogeneous Catalysts into Superhydrophobic Porous Frameworks to Protect Them from Hydrolytic Degradation. <i>Chem</i> , 2016 , 1, 628-639	16.2	75
91	Adsorptive and catalytic properties in the removal of volatile organic compounds over zeolite-based materials. <i>Chinese Journal of Catalysis</i> , 2016 , 37, 800-809	11.3	68
90	Metalated porous porphyrin polymers as efficient heterogeneous catalysts for cycloaddition of epoxides with CO_2 under ambient conditions. <i>Journal of Catalysis</i> , 2016 , 338, 202-209	7.3	166
89	A Pd-metalated porous organic polymer as a highly efficient heterogeneous catalyst for $\text{C}\equiv\text{C}$ couplings. <i>Chinese Journal of Catalysis</i> , 2016 , 37, 54-60	11.3	4
88	Sustainable Routes for Zeolite Synthesis. <i>Green Chemistry and Sustainable Technology</i> , 2016 , 3-35	1.1	2
87	Enhancement of Catalytic Activity in Epoxide Hydration by Increasing the Concentration of Cobalt(III)/Salen in Porous Polymer Catalysts. <i>ChemCatChem</i> , 2016 , 8, 812-817	5.2	15
86	Beyond Creation of Mesoporosity: The Advantages of Polymer-Based Dual-Function Templates for Fabricating Hierarchical Zeolites. <i>Advanced Functional Materials</i> , 2016 , 26, 1881-1891	15.6	51
85	Organotemplate-Free Synthesis of a High-Silica Zeolite with a TON Structure in the Absence of Zeolite Seeds. <i>European Journal of Inorganic Chemistry</i> , 2016 , 2016, 1364-1368	2.3	5
84	Design and synthesis of an efficient nanoporous adsorbent for Hg^{2+} and Pb^{2+} ions in water. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 5999-6005	13	68
83	Hierarchical Zeolites: Beyond Creation of Mesoporosity: The Advantages of Polymer-Based Dual-Function Templates for Fabricating Hierarchical Zeolites (Adv. Funct. Mater. 12/2016). <i>Advanced Functional Materials</i> , 2016 , 26, 1854-1854	15.6	

82	Insights of the Crystallization Process of Molecular Sieve AlPO ₄ -5 Prepared by Solvent-Free Synthesis. <i>Journal of the American Chemical Society</i> , 2016 , 138, 6171-6	16.4	60
81	Importance of platinum particle size for complete oxidation of toluene over Pt/ZSM-5 catalysts. <i>Chemical Communications</i> , 2015 , 51, 5936-8	5.8	112
80	Porous polymer catalysts with hierarchical structures. <i>Chemical Society Reviews</i> , 2015 , 44, 6018-34	58.5	379
79	Superior performance in catalytic combustion of toluene over mesoporous ZSM-5 zeolite supported platinum catalyst. <i>Catalysis Today</i> , 2015 , 258, 190-195	5.3	40
78	Two-dimensional gold nanostructures with high activity for selective oxidation of carbon-hydrogen bonds. <i>Nature Communications</i> , 2015 , 6, 6957	17.4	98
77	Aluminium-rich Beta zeolite-supported platinum nanoparticles for the low-temperature catalytic removal of toluene. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 5556-5562	13	62
76	Mesoporous ZSM-5 Zeolite-Supported Ru Nanoparticles as Highly Efficient Catalysts for Upgrading Phenolic Biomolecules. <i>ACS Catalysis</i> , 2015 , 5, 2727-2734	13.1	113
75	Improved catalytic activity in methanol electro-oxidation over the nickel form of aluminum-rich beta-SDS zeolite modified electrode. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 5811-5814	13	10
74	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> , 2015 , 137, 5204-9	16.4	225
73	A hierarchical porous ionic organic polymer as a new platform for heterogeneous phase transfer catalysis. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 23871-23875	13	54
72	Atom-economical synthesis of a high silica CHA zeolite using a solvent-free route. <i>Chemical Communications</i> , 2015 , 51, 16920-3	5.8	47
71	Enhanced catalytic performance in dehydration of sorbitol to isosorbide over a superhydrophobic mesoporous acid catalyst. <i>Catalysis Today</i> , 2015 , 242, 249-254	5.3	57
70	Mesoporous Zeolite Templated from Polymers 2015 , 199-226		
69	Solvent-Free Synthesis of Zeolite Crystals Encapsulating Gold-Palladium Nanoparticles for the Selective Oxidation of Bioethanol. <i>ChemSusChem</i> , 2015 , 8, 2867-71	8.3	45
68	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> , 2015 , 6, 2345-9	6.4	27
67	Solvent-free synthesis of SAPO-5 zeolite with plate-like morphology in the presence of surfactants. <i>Chinese Journal of Catalysis</i> , 2015 , 36, 797-800	11.3	17
66	Solvent-free synthesis of titanosilicate zeolites. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 14093-14095	13	48
65	Task-Specific Design of Porous Polymer Heterogeneous Catalysts beyond Homogeneous Counterparts. <i>ACS Catalysis</i> , 2015 , 5, 4556-4567	13.1	133

64	Porous Polymerized Organocatalysts Rationally Synthesized from the Corresponding Vinyl-Functionalized Monomers as Efficient Heterogeneous Catalysts. <i>ACS Catalysis</i> , 2015 , 5, 1556-1559	13.1	38
63	Solvent-free synthesis of zeolite catalysts. <i>Science China Chemistry</i> , 2015 , 58, 6-13	7.9	24
62	Solvent-free synthesis of zeolites from anhydrous starting raw solids. <i>Journal of the American Chemical Society</i> , 2015 , 137, 1052-5	16.4	138
61	Selective catalytic production of 5-hydroxymethylfurfural from glucose by adjusting catalyst wettability. <i>ChemSusChem</i> , 2014 , 7, 402-6	8.3	106
60	Green routes for synthesis of zeolites. <i>Chemical Reviews</i> , 2014 , 114, 1521-43	68.1	416
59	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> , 2014 , 136, 2503-10	16.4	214
58	Catalytically active and hierarchically porous SAPO-11 zeolite synthesized in the presence of polyhexamethylene biguanidine. <i>Journal of Colloid and Interface Science</i> , 2014 , 418, 193-9	9.3	35
57	Solvent-free syntheses of hierarchically porous aluminophosphate-based zeolites with AEL and AFI structures. <i>Chemistry - A European Journal</i> , 2014 , 20, 17616-23	4.8	51
56	A significant enhancement of catalytic activities in oxidation with H ₂ O ₂ over the TS-1 zeolite by adjusting the catalyst wettability. <i>Chemical Communications</i> , 2014 , 50, 2012-4	5.8	52
55	Creation of Brønsted acid sites on Sn-based solid catalysts for the conversion of biomass. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 3725	13	37
54	Porous organic ligands (POLs) for synthesizing highly efficient heterogeneous catalysts. <i>Chemical Communications</i> , 2014 , 50, 11844-7	5.8	116
53	Superior Performance in Catalytic Combustion of Toluene over KZSM-5 Zeolite Supported Platinum Catalyst. <i>Catalysis Letters</i> , 2014 , 144, 1851-1859	2.8	33
52	Seed-directed and organotemplate-free synthesis of TON zeolite. <i>Catalysis Today</i> , 2014 , 226, 103-108	5.3	40
51	Sustainable synthesis of zeolites without addition of both organotemplates and solvents. <i>Journal of the American Chemical Society</i> , 2014 , 136, 4019-25	16.4	177
50	Role of water as a coporogen in the synthesis of mesoporous poly(divinylbenzenes). <i>Journal of Applied Polymer Science</i> , 2014 , 131, n/a-n/a	2.9	7
49	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> , 2014 , 186, 106-112	5.3	41
48	Sulfonated hollow sphere carbon as an efficient catalyst for acetalisation of glycerol. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 9422	13	50
47	Recyclable porous polymer-supported copper catalysts for Glaser and Huisgen 1,3-diolal cycloaddition reactions. <i>Chemistry - an Asian Journal</i> , 2013 , 8, 2822-7	4.5	29

46	Superhydrophilic mesoporous sulfonated melamineformaldehyde resin supported palladium nanoparticles as an efficient catalyst for biofuel upgrade. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 8630 ¹³		50
45	Rational synthesis of Beta zeolite with improved quality by decreasing crystallization temperature in organotemplate-free route. <i>Microporous and Mesoporous Materials</i> , 2013 , 180, 123-129	5.3	63
44	Solvent-free synthesis of silicoaluminophosphate zeolites. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 9172-5	16.4	174
43	Superhydrophobic, chiral, and mesoporous TsDPEN copolymer coordinated to ruthenium species as an efficient catalyst for asymmetric transfer hydrogenation. <i>Nano Today</i> , 2013 , 8, 342-350	17.9	35
42	Co-salen functionalized on graphene as an efficient heterogeneous catalyst for cyclohexene oxidation. <i>Journal of Energy Chemistry</i> , 2013 , 22, 48-51	12	11
41	Enhanced performance in catalytic combustion of toluene over mesoporous Beta zeolite-supported platinum catalyst. <i>Applied Catalysis B: Environmental</i> , 2013 , 140-141, 199-205	21.8	85
40	High-temperature hydrothermal synthesis of magnetically active, ordered mesoporous resin and carbon monoliths with reusable adsorption for organic dye. <i>Adsorption</i> , 2013 , 19, 39-47	2.6	12
39	High temperature synthesis of high silica zeolite Y with good crystallinity in the presence of N-methylpyridinium iodide. <i>Chemical Communications</i> , 2013 , 49, 10495-7	5.8	27
38	Fluoride-free synthesis of anatase TiO ₂ crystals rich in (001) facets in the presence of cationic polymer. <i>Chinese Journal of Catalysis</i> , 2013 , 34, 2004-2008	11.3	2
37	Copper-Incorporated Porous Polydivinylbenzene as Efficient and Recyclable Heterogeneous Catalyst in Ullmann Biaryl Ether Coupling. <i>ChemCatChem</i> , 2013 , 5, 1606-1613	5.2	24
36	Mesoporous zeolites as efficient catalysts for oil refining and natural gas conversion. <i>Frontiers of Chemical Science and Engineering</i> , 2013 , 7, 233-248	4.5	51
35	A new catalyst platform: zeolite Beta from template-free synthesis. <i>Catalysis Science and Technology</i> , 2013 , 3, 2580	5.5	51
34	One-pot synthesis of Fe-Beta zeolite by an organotemplate-free and seed-directed route. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 3254	13	29
33	Solvent-Free Synthesis of Silicoaluminophosphate Zeolites. <i>Angewandte Chemie</i> , 2013 , 125, 9342-9345	3.6	28
32	Improved para-Xylene Selectivity in meta-Xylene Isomerization Over ZSM-5 Crystals with Relatively Long b-Axis Length. <i>ChemCatChem</i> , 2013 , 5, 1517-1523	5.2	65
31	Organotemplate-free and seed-directed synthesis of levyne zeolite. <i>Microporous and Mesoporous Materials</i> , 2012 , 155, 1-7	5.3	46
30	Solvent-free synthesis of zeolites from solid raw materials. <i>Journal of the American Chemical Society</i> , 2012 , 134, 15173-6	16.4	288
29	Organotemplate-free and one-pot fabrication of nano-rod assembled plate-like micro-sized mordenite crystals. <i>Journal of Materials Chemistry</i> , 2012 , 22, 6564		27

28	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> , 2012 , 134, 16948-50	16.4	363
27	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> , 2012 , 30, 2189-2197	4.9	15
26	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> , 2012 , 48, 10505-7	5.8	49
25	Porous polymer supported palladium catalyst for cross coupling reactions with high activity and recyclability. <i>Science China Chemistry</i> , 2012 , 55, 2095-2103	7.9	21
24	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> , 2012 , 134, 4557-60	16.4	232
23	Organotemplate-free and seed-directed synthesis of ZSM-34 zeolite with good performance in methanol-to-olefins. <i>Journal of Materials Chemistry</i> , 2012 , 22, 12238		33
22	Aluminum Fluoride Modified HZSM-5 Zeolite with Superior Performance in Synthesis of Dimethyl Ether from Methanol. <i>Energy & Fuels</i> , 2012 , 26, 4475-4480	4.1	23
21	Sulfated graphene as an efficient solid catalyst for acid-catalyzed liquid reactions. <i>Journal of Materials Chemistry</i> , 2012 , 22, 5495		219
20	Seed-directed synthesis of zeolites with enhanced performance in the absence of organic templates. <i>Chemical Communications</i> , 2011 , 47, 3945-7	5.8	150
19	Zeolites with Hierarchically Porous Structure: Mesoporous Zeolites 2011 , 435-455		2
18	Organotemplate-free synthesis of high-silica ferrierite zeolite induced by CDO-structure zeolite building units. <i>Journal of Materials Chemistry</i> , 2011 , 21, 9494		62
17	Solvent-free synthesis of thermally stable and hierarchically porous aluminophosphates (SF-APOs) and heteroatom-substituted aluminophosphates (SF-MAPOs). <i>Journal of Materials Chemistry</i> , 2011 , 21, 12026		36
16	Interlayer-Expanded Microporous Titanosilicate Catalysts with Functionalized Hydroxyl Groups. <i>ChemCatChem</i> , 2011 , 3, 1442-1446	5.2	46
15	Mesoporous Solid Acid Catalysts. <i>Catalysis Surveys From Asia</i> , 2011 , 15, 37-48	2.8	22
14	Transesterification to biodiesel with superhydrophobic porous solid base catalysts. <i>ChemSusChem</i> , 2011 , 4, 1059-62	8.3	90
13	Designed synthesis of TS-1 crystals with controllable b-oriented length. <i>Chemical Communications</i> , 2011 , 47, 1048-50	5.8	59
12	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 NOx by NH3. <i>Chemical Communications</i> , 2011 , 47, 9789-91	5.8	216
11	Organotemplate-Free Syntheses of ZSM-34 Zeolite and Its Heteroatom-Substituted Analogues with Good Catalytic Performance. <i>Chemistry of Materials</i> , 2010 , 22, 3099-3107	9.6	38

10	Pyrrolidone-modified SBA-15 supported Au nanoparticles with superior catalytic properties in aerobic oxidation of alcohols. <i>Chemical Communications</i> , 2010 , 46, 5003-5	5.8	53
9	Stable Bulky Particles Formed by TS-1 Zeolite Nanocrystals in the Presence of H ₂ O ₂ . <i>ChemCatChem</i> , 2010 , 2, 407-412	5.2	38
8	Templating route for synthesizing mesoporous zeolites with improved catalytic properties. <i>Nano Today</i> , 2009 , 4, 292-301	17.9	199
7	Ordered mesoporous titanosilicates with catalytically stable and active four-coordinated titanium sites. <i>Chemical Communications</i> , 2004 , 2612-3	5.8	41
6	High-temperature generalized synthesis of stable ordered mesoporous silica-based materials by using fluorocarbon-hydrocarbon surfactant mixtures. <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 3633-7	16.4	142
5	Synthesis, Characterization, and Catalytic Activity of Mesoporous Titanosilicates Assembled from Polymer Surfactants with Preformed Titanosilicate Precursors in Strongly Acidic Media. <i>Journal of Physical Chemistry B</i> , 2003 , 107, 8972-8980	3.4	59
4	Hydrothermally stable ordered mesoporous titanosilicates with highly active catalytic sites. <i>Journal of the American Chemical Society</i> , 2002 , 124, 888-9	16.4	195
3	Advances in the synthesis and application of SSZ-39 zeolite. <i>Inorganic Chemistry Frontiers</i> ,	6.8	3
2	Sustainable Synthesis of Core-shell Structured ZSM-5@Silicalite-1 Zeolite. <i>Chemical Research in Chinese Universities</i> ,1	2.2	0
1	Recent Advances of Beta Zeolite in the Volatile Organic Compounds(VOCs) Elimination by the Catalytic Oxidations. <i>Chemical Research in Chinese Universities</i> ,1	2.2	0