Feng-Shou Xiao

List of Publications by Citations

331 papers	17,635 citations	71 h-index	121 g-index
360 ext. papers	20,834 ext. citations	9.8 avg, IF	6.96 L-index

#	Paper	IF	Citations
331	pH-Responsive Carrier System Based on Carboxylic Acid Modified Mesoporous Silica and Polyelectrolyte for Drug Delivery. *Chemistry of Materials*, **2005**, 17, 5999-6003	9.6	456
330	Green routes for synthesis of zeolites. *Chemical Reviews*, **2014**, 114, 1521-43	68.1	416
329	Catalytic properties of hierarchical mesoporous zeolites templated with a mixture of small organic ammonium salts and mesoscale cationic polymers. *Angewandte Chemie - International Edition*, **2006**, 45, 3090-3	16.4	403
328	Porous polymer catalysts with hierarchical structures. *Chemical Society Reviews*, **2015**, 44, 6018-34	58.5	379
327	Transesterification catalyzed by ionic liquids on superhydrophobic mesoporous polymers: heterogeneous catalysts that are faster than homogeneous catalysts. *Journal of the American Chemical Society*, **2012**, 134, 16948-50	16.4	363
326	Superhydrophobic nanoporous polymers as efficient adsorbents for organic compounds. *Nano Today*, **2009**, 4, 135-142	17.9	353
325	Hierarchically structured zeolites: synthesis, mass transport properties and applications. *Journal of Materials Chemistry*, **2012**, 22, 17381		327
324	Mesoporous aluminosilicates with ordered hexagonal structure, strong acidity, and extraordinary hydrothermal stability at high temperatures. *Journal of the American Chemical Society*, **2001**, 123, 5014-21	16.4	325
323	Solvent-free synthesis of zeolites from solid raw materials. *Journal of the American Chemical Society* , **2012**, 134, 15173-6	16.4	288
322	Synthesis of Heteroatom Substituted SBA-15 by the pH-Adjusting Method. *Chemistry of Materials*, **2004**, 16, 486-492	9.6	261
321	Organotemplate-Free and Fast Route for Synthesizing Beta Zeolite. *Chemistry of Materials*, **2008**, 20, 4533-4535	9.6	236
320	ZSM-5 zeolite single crystals with b-axis-aligned mesoporous channels as an efficient catalyst for conversion of bulky organic molecules. *Journal of the American Chemical Society*, **2012**, 134, 4557-60	16.4	232
319	Highly Efficient Heterogeneous Hydroformylation over Rh-Metalated Porous Organic Polymers: Synergistic Effect of High Ligand Concentration and Flexible Framework. *Journal of the American Chemical Society*, **2015**, 137, 5204-9	16.4	225
318	Sulfated graphene as an efficient solid catalyst for acid-catalyzed liquid reactions. *Journal of Materials Chemistry*, **2012**, 22, 5495		219
317	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. *Chemical Communications*, **2011**, 47, 9789-91	5.8	216
316	Highly mesoporous single-crystalline zeolite beta synthesized using a nonsurfactant cationic polymer as a dual-function template. *Journal of the American Chemical Society*, **2014**, 136, 2503-10	16.4	214
315	Hydrophobic zeolite modification for in situ peroxide formation in methane oxidation to methanol. *Science*, **2020**, 367, 193-197	33.3	211

314	Pore Environment Control and Enhanced Performance of Enzymes Infiltrated in Covalent Organic Frameworks. *Journal of the American Chemical Society*, **2018**, 140, 984-992	16.4	205
313	Product Selectivity Controlled by Zeolite Crystals in Biomass Hydrogenation over a Palladium Catalyst. *Journal of the American Chemical Society*, **2016**, 138, 7880-3	16.4	205
312	Excellent performance of one-pot synthesized Cu-SSZ-13 catalyst for the selective catalytic reduction of NOx with NH3. *Environmental Science & Technology*, **2014**, 48, 566-72	10.3	200
311	Templating route for synthesizing mesoporous zeolites with improved catalytic properties. *Nano Today*, **2009**, 4, 292-301	17.9	199
310	Hydrothermally stable ordered mesoporous titanosilicates with highly active catalytic sites. *Journal of the American Chemical Society*, **2002**, 124, 888-9	16.4	195
309	Characterization of aluminosilicate zeolites by UV Raman spectroscopy. *Microporous and Mesoporous Materials*, **2001**, 46, 23-34	5.3	191
308	Design and Synthesis of Mesoporous Polymer-Based Solid Acid Catalysts with Excellent Hydrophobicity and Extraordinary Catalytic Activity. *ACS Catalysis*, **2012**, 2, 565-572	13.1	188
307	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	16.4	184
306	Sustainable synthesis of zeolites without addition of both organotemplates and solvents. *Journal of the American Chemical Society*, **2014**, 136, 4019-25	16.4	177
305	A sandwich N-doped graphene/Co3O4 hybrid: an efficient catalyst for selective oxidation of olefins and alcohols. *Journal of Materials Chemistry A*, **2013**, 1, 9037	13	176
304	Sinter-resistant metal nanoparticle catalysts achieved by immobilization within zeolite crystals via seed-directed growth. *Nature Catalysis*, **2018**, 1, 540-546	36.5	175
303	Solvent-free synthesis of silicoaluminophosphate zeolites. *Angewandte Chemie - International Edition*, **2013**, 52, 9172-5	16.4	174
302	Metalated porous porphyrin polymers as efficient heterogeneous catalysts for cycloaddition of epoxides with CO2 under ambient conditions. *Journal of Catalysis*, **2016**, 338, 202-209	7.3	166
301	Extraordinarily high activity in the hydrodesulfurization of 4,6-dimethyldibenzothiophene over Pd supported on mesoporous zeolite Y. *Journal of the American Chemical Society*, **2011**, 133, 15346-9	16.4	164
300	Seed-directed synthesis of zeolites with enhanced performance in the absence of organic templates. *Chemical Communications*, **2011**, 47, 3945-7	5.8	150
299	Efficient and stable solid acid catalysts synthesized from sulfonation of swelling mesoporous polydivinylbenzenes. *Journal of Catalysis*, **2010**, 271, 52-58	7.3	149
298	Hierarchical mesoporous zeolites with controllable mesoporosity templated from cationic polymers. *Microporous and Mesoporous Materials*, **2010**, 131, 58-67	5.3	147
297	High-temperature generalized synthesis of stable ordered mesoporous silica-based materials by using fluorocarbon-hydrocarbon surfactant mixtures. *Angewandte Chemie - International Edition*, **2003**, 42, 3633-7	16.4	142

296	Wet-Chemistry Strong Metal-Support Interactions in Titania-Supported Au Catalysts. *Journal of the American Chemical Society*, **2019**, 141, 2975-2983	16.4	138
295	Solvent-free synthesis of zeolites from anhydrous starting raw solids. *Journal of the American Chemical Society*, **2015**, 137, 1052-5	16.4	138
294	Hydrophobic Solid Acids and Their Catalytic Applications in Green and Sustainable Chemistry. *ACS Catalysis*, **2018**, 8, 372-391	13.1	138
293	Selective Hydrogenation of CO to Ethanol over Cobalt Catalysts. *Angewandte Chemie - International Edition*, **2018**, 57, 6104-6108	16.4	137
292	Task-Specific Design of Porous Polymer Heterogeneous Catalysts beyond Homogeneous Counterparts. *ACS Catalysis*, **2015**, 5, 4556-4567	13.1	133
291	Synthesis and Characterization of High-Quality Zeolite LTA and FAU Single Nanocrystals. *Chemistry of Materials*, **1998**, 10, 1483-1486	9.6	133
290	Product Selectivity Controlled by Nanoporous Environments in Zeolite Crystals Enveloping Rhodium Nanoparticle Catalysts for CO Hydrogenation. *Journal of the American Chemical Society*, **2019**, 141, 8482-8488	16.4	132
289	Porous organic ligands (POLs) for synthesizing highly efficient heterogeneous catalysts. *Chemical Communications*, **2014**, 50, 11844-7	5.8	116
288	Mesoporous ZSM-5 Zeolite-Supported Ru Nanoparticles as Highly Efficient Catalysts for Upgrading Phenolic Biomolecules. *ACS Catalysis*, **2015**, 5, 2727-2734	13.1	113
287	Solvent-free preparation of nanosized sulfated zirconia with Brønsted acidic sites from a simple calcination. *Journal of Physical Chemistry B*, **2005**, 109, 2567-72	3.4	113
286	Distinguishing the Silanol Groups in the Mesoporous Molecular Sieve MCM-41. *Angewandte Chemie International Edition in English*, **1996**, 34, 2694-2696		113
285	Importance of platinum particle size for complete oxidation of toluene over Pt/ZSM-5 catalysts. *Chemical Communications*, **2015**, 51, 5936-8	5.8	112
284	Single-site catalyst promoters accelerate metal-catalyzed nitroarene hydrogenation. *Nature Communications*, **2018**, 9, 1362	17.4	111
283	Strong Metal–Support Interactions Achieved by Hydroxide-to-Oxide Support Transformation for Preparation of Sinter-Resistant Gold Nanoparticle Catalysts. *ACS Catalysis*, **2017**, 7, 7461-7465	13.1	109
282	Selective catalytic production of 5-hydroxymethylfurfural from glucose by adjusting catalyst wettability. *ChemSusChem*, **2014**, 7, 402-6	8.3	106
281	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	21.8	105
280	Nanoporous catalysts for biomass conversion. *Green Chemistry*, **2015**, 17, 24-39	10	105
279	Imparting amphiphobicity on single-crystalline porous materials. *Nature Communications*, **2016**, 7, 13300	17.4	104

278	Porous Ionic Polymers as a Robust and Efficient Platform for Capture and Chemical Fixation of Atmospheric CO. *ChemSusChem*, **2017**, 10, 1160-1165	8.3	103
277	Solvent-Free Synthesis of Zeolites: Mechanism and Utility. *Accounts of Chemical Research*, **2018**, 51, 1396-1403	24.3	101
276	Importance of Zeolite Wettability for Selective Hydrogenation of Furfural over Catalysts. *ACS Catalysis*, **2018**, 8, 474-481	13.1	101
275	New Strategies for the Preparation of Sinter-Resistant Metal-Nanoparticle-Based Catalysts. *Advanced Materials*, **2019**, 31, e1901905	24	99
274	Integrating Superwettability within Covalent Organic Frameworks for Functional Coating. *CheM*, **2018**, 4, 1726-1739	16.2	99
273	Two-dimensional gold nanostructures with high activity for selective oxidation of carbon-hydrogen bonds. *Nature Communications*, **2015**, 6, 6957	17.4	98
272	Transesterification to biodiesel with superhydrophobic porous solid base catalysts. *ChemSusChem*, **2011**, 4, 1059-62	8.3	90
271	Effects of post-treatment method and Na co-cation on the hydrothermal stability of Cu-SSZ-13 catalyst for the selective catalytic reduction of NO with NH3. *Applied Catalysis B: Environmental*, **2015**, 179, 206-212	21.8	88
270	Enhanced performance in catalytic combustion of toluene over mesoporous Beta zeolite-supported platinum catalyst. *Applied Catalysis B: Environmental*, **2013**, 140-141, 199-205	21.8	85
269	Formation pathway for LTA zeolite crystals synthesized via a charge density mismatch approach. *Journal of the American Chemical Society*, **2013**, 135, 2248-55	16.4	85
268	Ordered Mesoporous Materials with Improved Stability and Catalytic Activity. *Topics in Catalysis*, **2005**, 35, 9-24	2.3	84
267	The Importance of Catalyst Wettability. *ChemCatChem*, **2014**, 6, 3048-3052	5.2	79
266	MnO2/graphene oxide: a highly active catalyst for amide synthesis from alcohols and ammonia in aqueous media. *Journal of Materials Chemistry*, **2012**, 22, 18115		78
265	Superhydrophobicity: Constructing Homogeneous Catalysts into Superhydrophobic Porous Frameworks to Protect Them from Hydrolytic Degradation. *CheM*, **2016**, 1, 628-639	16.2	75
264	Organic Template-Free Synthesis of ZSM-34 Zeolite from an Assistance of Zeolite L Seeds Solution. *Chemistry of Materials*, **2008**, 20, 357-359	9.6	73
263	A Hierarchical Bipyridine-Constructed Framework for Highly Efficient Carbon Dioxide Capture and Catalytic Conversion. *ChemSusChem*, **2017**, 10, 1186-1192	8.3	72
262	Design and synthesis of hydrophobic and stable mesoporous polymeric solid acid with ultra strong acid strength and excellent catalytic activities for biomass transformation. *Applied Catalysis B: Environmental*, **2013**, 136-137, 193-201	21.8	72
261	Understanding of the High Hydrothermal Stability of the Mesoporous Materials Prepared by the Assembly of Triblock Copolymer with Preformed Zeolite Precursors in Acidic Media. *Journal of Physical Chemistry B*, **2003**, 107, 7551-7556	3.4	71

260	Reaction Environment Modification in Covalent Organic Frameworks for Catalytic Performance Enhancement. *Angewandte Chemie - International Edition*, **2019**, 58, 8670-8675	16.4	70
259	Organic Template Free Synthesis of Aluminosilicate Zeolite ECR-1. *Chemistry of Materials*, **2006**, 18, 2775-2777	9.6	70
258	Rational construction of metal nanoparticles fixed in zeolite crystals as highly efficient heterogeneous catalysts. *Nano Today*, **2018**, 20, 74-83	17.9	69
257	Adsorptive and catalytic properties in the removal of volatile organic compounds over zeolite-based materials. *Chinese Journal of Catalysis*, **2016**, 37, 800-809	11.3	68
256	Design and synthesis of an efficient nanoporous adsorbent for Hg2+ and Pb2+ ions in water. *Journal of Materials Chemistry A*, **2016**, 4, 5999-6005	13	68
255	Activity and Selectivity in Nitroarene Hydrogenation over Au Nanoparticles on the Edge/Corner of Anatase. *ACS Catalysis*, **2016**, 6, 4110-4116	13.1	65
254	Improved para-Xylene Selectivity in meta-Xylene Isomerization Over ZSM-5 Crystals with Relatively Long b-Axis Length. *ChemCatChem*, **2013**, 5, 1517-1523	5.2	65
253	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	3.6	64
252	Superior performance in deep saturation of bulky aromatic pyrene over acidic mesoporous Beta zeolite-supported palladium catalyst. *Journal of Catalysis*, **2007**, 249, 111-115	7.3	64
251	Aluminium-rich Beta zeolite-supported platinum nanoparticles for the low-temperature catalytic removal of toluene. *Journal of Materials Chemistry A*, **2015**, 3, 5556-5562	13	62
250	Organotemplate-free synthesis of high-silica ferrierite zeolite induced by CDO-structure zeolite building units. *Journal of Materials Chemistry*, **2011**, 21, 9494		62
249	Insights of the Crystallization Process of Molecular Sieve AlPO4-5 Prepared by Solvent-Free Synthesis. *Journal of the American Chemical Society*, **2016**, 138, 6171-6	16.4	60
248	Designed synthesis of TS-1 crystals with controllable b-oriented length. *Chemical Communications*, **2011**, 47, 1048-50	5.8	59
247	Direct Conversion of Syngas to Ethanol within Zeolite Crystals. *CheM*, **2020**, 6, 646-657	16.2	58
246	Insights into the Topotactic Conversion Process from Layered Silicate RUB-36 to FER-type Zeolite by Layer Reassembly. *Chemistry of Materials*, **2013**, 25, 840-847	9.6	58
245	Enhanced catalytic performance in dehydration of sorbitol to isosorbide over a superhydrophobic mesoporous acid catalyst. *Catalysis Today*, **2015**, 242, 249-254	5.3	57
244	High-temperature synthesis of stable and ordered mesoporous polymer monoliths with low dielectric constants. *Journal of Materials Chemistry*, **2009**, 19, 7921		57
243	Programming Covalent Organic Frameworks for Photocatalysis: Investigation of Chemical and Structural Variations. *Matter*, **2020**, 2, 416-427	12.7	57

242	Metal@Zeolite Hybrid Materials for Catalysis. *ACS Central Science*, **2020**, 6, 1685-1697	16.8	55
241	A hierarchical porous ionic organic polymer as a new platform for heterogeneous phase transfer catalysis. *Journal of Materials Chemistry A*, **2015**, 3, 23871-23875	13	54
240	Interlayer Expansion of the Hydrous Layer Silicate RUB-36 to a Functionalized, Microporous Framework Silicate: Crystal Structure Analysis and Physical and Chemical Characterization. *Chemistry of Materials*, **2012**, 24, 1536-1545	9.6	54
239	Dispersion of Inorganic Salts into Zeolites and Their Pore Modification. *Journal of Catalysis*, **1998**, 176, 474-487	7.3	53
238	A significant enhancement of catalytic activities in oxidation with H2O2 over the TS-1 zeolite by adjusting the catalyst wettability. *Chemical Communications*, **2014**, 50, 2012-4	5.8	52
237	Catalytic applications of OSDA-free Beta zeolite. *Journal of Catalysis*, **2013**, 308, 73-81	7.3	52
236	Solvent-free syntheses of hierarchically porous aluminophosphate-based zeolites with AEL and AFI structures. *Chemistry - A European Journal*, **2014**, 20, 17616-23	4.8	51
235	Mesoporous zeolites as efficient catalysts for oil refining and natural gas conversion. *Frontiers of Chemical Science and Engineering*, **2013**, 7, 233-248	4.5	51
234	A new catalyst platform: zeolite Beta from template-free synthesis. *Catalysis Science and Technology*, **2013**, 3, 2580	5.5	51
233	Beyond Creation of Mesoporosity: The Advantages of Polymer-Based Dual-Function Templates for Fabricating Hierarchical Zeolites. *Advanced Functional Materials*, **2016**, 26, 1881-1891	15.6	51
232	Origin of the Low Olefin Production over HZSM-22 and HZSM-23 Zeolites: External Acid Sites and Pore Mouth Catalysis. *ACS Catalysis*, **2014**, 4, 529-534	13.1	50
231	Sulfonated hollow sphere carbon as an efficient catalyst for acetalisation of glycerol. *Journal of Materials Chemistry A*, **2013**, 1, 9422	13	50
230	Superhydrophilic mesoporous sulfonated melamine formaldehyde resin supported palladium nanoparticles as an efficient catalyst for biofuel upgrade. *Journal of Materials Chemistry A*, **2013**, 1, 8630	13	50
229	Tetramethylguanidine-templated synthesis of aluminophosphate-based microporous crystals with AFI-type structure. *Microporous and Mesoporous Materials*, **2009**, 117, 561-569	5.3	50
228	Mesoporous cross-linked polymer copolymerized with chiral BINAP ligand coordinated to a ruthenium species as an efficient heterogeneous catalyst for asymmetric hydrogenation. *Chemical Communications*, **2012**, 48, 10505-7	5.8	49
227	Solvent-free synthesis of titanosilicate zeolites. *Journal of Materials Chemistry A*, **2015**, 3, 14093-14095	13	48
226	Isolated boron in zeolite for oxidative dehydrogenation of propane. *Science*, **2021**, 372, 76-80	33.3	48
225	Hierarchical Sn-Beta Zeolite Catalyst for the Conversion of Sugars to Alkyl Lactates. *ACS Sustainable Chemistry and Engineering*, **2017**, 5, 3123-3131	8.3	47

224	Atom-economical synthesis of a high silica CHA zeolite using a solvent-free route. *Chemical Communications*, **2015**, 51, 16920-3	5.8	47
223	Silica accelerates the selective hydrogenation of CO to methanol on cobalt catalysts. *Nature Communications*, **2020**, 11, 1033	17.4	47
222	Creating solvation environments in heterogeneous catalysts for efficient biomass conversion. *Nature Communications*, **2018**, 9, 3236	17.4	47
221	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. *Chemical Communications*, **2017**, 53, 4942-4945	5.8	46
220	Organotemplate-free and seed-directed synthesis of levyne zeolite. *Microporous and Mesoporous Materials*, **2012**, 155, 1-7	5.3	46
219	Interlayer-Expanded Microporous Titanosilicate Catalysts with Functionalized Hydroxyl Groups. *ChemCatChem*, **2011**, 3, 1442-1446	5.2	46
218	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	13	45
217	Solvent-Free Synthesis of Zeolite Crystals Encapsulating Gold-Palladium Nanoparticles for the Selective Oxidation of Bioethanol. *ChemSusChem*, **2015**, 8, 2867-71	8.3	45
216	Design and Synthesis of a Catalytically Active Cu-SSZ-13 Zeolite from a Copper-Amine Complex Template. *Chinese Journal of Catalysis*, **2012**, 33, 92-105	11.3	43
215	Methanol to Olefins Reaction over Cavity-type Zeolite: Cavity Controls the Critical Intermediates and Product Selectivity. *ACS Catalysis*, **2018**, 8, 10950-10963	13.1	43
214	Controllable cyanation of carbon-hydrogen bonds by zeolite crystals over manganese oxide catalyst. *Nature Communications*, **2017**, 8, 15240	17.4	42
213	Complete oxidation of formaldehyde at room temperature over an Al-rich Beta zeolite supported platinum catalyst. *Applied Catalysis B: Environmental*, **2017**, 219, 200-208	21.8	42
212	Rare-earth ion exchanged Cu-SSZ-13 zeolite from organotemplate-free synthesis with enhanced hydrothermal stability in NH3-SCR of NOx. *Catalysis Science and Technology*, **2019**, 9, 241-251	5.5	41
211	Organotemplate-free, seed-directed, and rapid synthesis of Al-rich zeolite MTT with improved catalytic performance in isomerization of m-xylene. *Microporous and Mesoporous Materials*, **2014**, 186, 106-112	5.3	41
210	Coking-Resistant Iron Catalyst in Ethane Dehydrogenation Achieved through Siliceous Zeolite Modulation. *Journal of the American Chemical Society*, **2020**, 142, 16429-16436	16.4	41
209	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	5.5	40
208	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	3.9	40
207	Seed-directed and organotemplate-free synthesis of TON zeolite. *Catalysis Today*, **2014**, 226, 103-108	5.3	40

206	Porous Polymerized Organocatalysts Rationally Synthesized from the Corresponding Vinyl-Functionalized Monomers as Efficient Heterogeneous Catalysts. *ACS Catalysis*, **2015**, 5, 1556-1559	13.1	38
205	Organotemplate-Free Syntheses of ZSM-34 Zeolite and Its Heteroatom-Substituted Analogues with Good Catalytic Performance. *Chemistry of Materials*, **2010**, 22, 3099-3107	9.6	38
204	High-temperature synthesis of ordered mesoporous silicas from solo hydrocarbon surfactants and understanding of their synthetic mechanisms. *Journal of Materials Chemistry*, **2009**, 19, 661-665		38
203	Cobalt–Nickel Catalysts for Selective Hydrogenation of Carbon Dioxide into Ethanol. *ACS Catalysis*, **2019**, 9, 11335-11340	13.1	37
202	Creation of Brønsted acid sites on Sn-based solid catalysts for the conversion of biomass. *Journal of Materials Chemistry A*, **2014**, 2, 3725	13	37
201	Hydrogenation of biofuels with formic acid over a palladium-based ternary catalyst with two types of active sites. *ChemSusChem*, **2014**, 7, 1537-41	8.3	37
200	Zirconium Oxide Supported Palladium Nanoparticles as a Highly Efficient Catalyst in the Hydrogenation–Amination of Levulinic Acid to Pyrrolidones. *ChemCatChem*, **2017**, 9, 2661-2667	5.2	37
199	Simple Preparation of Honeycomb-like Macrostructured and Microporous Carbons with High Performance in Oxidative Dehydrogenation of Ethylbenzene. *Chemistry of Materials*, **2007**, 19, 2894-2897	9.6	37
198	Enhancement of low-temperature activity over Cu-exchanged zeolite beta from organotemplate-free synthesis for the selective catalytic reduction of NOx with NH3 in exhaust gas streams. *Microporous and Mesoporous Materials*, **2014**, 200, 304-310	5.3	36
197	Solvent-free synthesis of thermally stable and hierarchically porous aluminophosphates (SF-APOs) and heteroatom-substituted aluminophosphates (SF-MAPOs). *Journal of Materials Chemistry*, **2011**, 21, 12026		36
196	Strong metal–support interactions on gold nanoparticle catalysts achieved through Le Chatelier's principle. *Nature Catalysis*, **2021**, 4, 418-424	36.5	36
195	Selective catalytic reduction of NO with NH: opportunities and challenges of Cu-based small-pore zeolites. *National Science Review*, **2021**, 8, nwab010	10.8	36
194	Catalytically active and hierarchically porous SAPO-11 zeolite synthesized in the presence of polyhexamethylene biguanidine. *Journal of Colloid and Interface Science*, **2014**, 418, 193-9	9.3	35
193	Superhydrophobic, chiral, and mesoporous TsDPEN copolymer coordinated to ruthenium species as an efficient catalyst for asymmetric transfer hydrogenation. *Nano Today*, **2013**, 8, 342-350	17.9	35
192	Reaction Environment Modification in Covalent Organic Frameworks for Catalytic Performance Enhancement. *Angewandte Chemie*, **2019**, 131, 8762-8767	3.6	34
191	Superior Performance in Catalytic Combustion of Toluene over KZSM-5 Zeolite Supported Platinum Catalyst. *Catalysis Letters*, **2014**, 144, 1851-1859	2.8	33
190	Organotemplate-free and seed-directed synthesis of ZSM-34 zeolite with good performance in methanol-to-olefins. *Journal of Materials Chemistry*, **2012**, 22, 12238		33
189	High-temperature synthesis of magnetically active and SO3H-functionalized ordered mesoporous carbon with good catalytic performance. *Catalysis Today*, **2012**, 186, 115-120	5.3	33

188	Microporosity in Ordered Mesoporous Aluminosilicates Characterized by Catalytic Probing Reactions. *Journal of Physical Chemistry B*, **2003**, 107, 1853-1857	3.4	32
187	Development of a post-synthetic method for tuning the Al content of OSDA-free Beta as a catalyst for conversion of methanol to olefins. *Catalysis Science and Technology*, **2016**, 6, 713-721	5.5	31
186	Mesoporous silica materials with an extremely high content of organic sulfonic groups and their comparable activities with that of concentrated sulfuric acid in catalytic esterification. *Journal of Physical Chemistry B*, **2006**, 110, 14142-7	3.4	31
185	Mesostructured Sulfated Zirconia with High Catalytic Activity in n-Butane Isomerization. *Catalysis Letters*, **2003**, 87, 57-61	2.8	31
184	Improvement of catalytic activity over Cu--Fe modified Al-rich Beta catalyst for the selective catalytic reduction of NO with NH3. *Microporous and Mesoporous Materials*, **2016**, 236, 211-217	5.3	31
183	Solvothermal synthesis of carboxyl and amido functionalized mesoporous resins for water treatments. *Journal of Materials Chemistry*, **2010**, 20, 4609-4614		30
182	Hydrophobic Zeolite Containing Titania Particles as Wettability-Selective Catalyst for Formaldehyde Removal. *ACS Catalysis*, **2018**, 8, 5250-5254	13.1	29
181	Recyclable porous polymer-supported copper catalysts for Glaser and Huisgen 1,3-diolar cycloaddition reactions. *Chemistry - an Asian Journal*, **2013**, 8, 2822-7	4.5	29
180	One-pot synthesis of Fe-Beta zeolite by an organotemplate-free and seed-directed route. *Journal of Materials Chemistry A*, **2013**, 1, 3254	13	29
179	A Facile, Direct Synthesis of Styrene Carbonate from Styrene and CO2 Catalyzed by Au/Fe(OH)3/ZnBr2/Bu4NBr System. *Catalysis Letters*, **2009**, 129, 437-443	2.8	29
178	Eco-friendly photocatalysts achieved by zeolite fixing. *Applied Catalysis B: Environmental*, **2017**, 212, 193-208	20.3	28
177	Transformation synthesis of aluminosilicate SSZ-39 zeolite from ZSM-5 and beta zeolite. *Journal of Materials Chemistry A*, **2019**, 7, 4420-4425	13	28
176	Solvent-Free Synthesis of Silicoaluminophosphate Zeolites. *Angewandte Chemie*, **2013**, 125, 9342-9345	3.6	28
175	Ordered mesoporous sulfated silica-zirconia materials with high zirconium contents in the structure. *Journal of Porous Materials*, **2006**, 13, 163-171	2.4	28
174	Zeolite Fixed Metal Nanoparticles: New Perspective in Catalysis. *Accounts of Chemical Research*, **2021**, 54, 2579-2590	24.3	28
173	Direct observation of tin sites and their reversible interconversion in zeolites by solid-state NMR spectroscopy. *Communications Chemistry*, **2018**, 1,	6.3	27
172	High temperature synthesis of high silica zeolite Y with good crystallinity in the presence of N-methylpyridinium iodide. *Chemical Communications*, **2013**, 49, 10495-7	5.8	27
171	Design and Preparation of Supported Au Catalyst with Enhanced Catalytic Activities by Rationally Positioning Au Nanoparticles on Anatase. *Journal of Physical Chemistry Letters*, **2015**, 6, 2345-9	6.4	27

170	Organotemplate-free and one-pot fabrication of nano-rod assembled plate-like micro-sized mordenite crystals. *Journal of Materials Chemistry*, **2012**, 22, 6564		27
169	Fish-in-hole: rationally positioning palladium into traps of zeolite crystals for sinter-resistant catalysts. *Chemical Communications*, **2018**, 54, 3274-3277	5.8	26
168	Selective Hydrogenation of CO2 to Ethanol over Cobalt Catalysts. *Angewandte Chemie*, **2018**, 130, 6212-6216	9.6	26
167	Homochiral Porous Framework as a Platform for Durability Enhancement of Molecular Catalysts. *Chemistry of Materials*, **2017**, 29, 5720-5726	9.6	25
166	Insights into the Organotemplate-Free Synthesis of Zeolite Catalysts. *Engineering*, **2017**, 3, 567-574	9.7	25
165	Metal-acid interfaces enveloped in zeolite crystals for cascade biomass hydrodeoxygenation. *Applied Catalysis B: Environmental*, **2019**, 254, 560-568	21.8	25
164	Solvent-Free Synthesis of Core□Shell Zn/[email□protected] Catalyst for Selective Conversion of Methanol to BTX Aromatics. *Industrial & Engineering Chemistry Research*, **2019**, 58, 15453-15458	3.9	24
163	A new class of solid Lewis acid catalysts based on interlayer expansion of layered silicates of the RUB-36 type with heteroatoms. *Journal of Materials Chemistry A*, **2014**, 2, 9709-9717	13	24
162	Solvent-free synthesis of zeolite catalysts. *Science China Chemistry*, **2015**, 58, 6-13	7.9	24
161	Copper-Incorporated Porous Polydivinylbenzene as Efficient and Recyclable Heterogeneous Catalyst in Ullmann Biaryl Ether Coupling. *ChemCatChem*, **2013**, 5, 1606-1613	5.2	24
160	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	11.3	24
159	Atomically Dispersed Ru on Manganese Oxide Catalyst Boosts Oxidative Cyanation. *ACS Catalysis*, **2020**, 10, 6299-6308	13.1	23
158	Fe-doped Beta zeolite from organotemplate-free synthesis for NH3-SCR of NOx. *Catalysis Science and Technology*, **2016**, 6, 6581-6592	5.5	23
157	Aluminum Fluoride Modified HZSM-5 Zeolite with Superior Performance in Synthesis of Dimethyl Ether from Methanol. *Energy & Fuels*, **2012**, 26, 4475-4480	4.1	23
156	Dispersed Nickel Boosts Catalysis by Copper in CO2 Hydrogenation. *ACS Catalysis*, **2020**, 10, 9261-9270	13.1	23
155	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	4.9	23
154	Sustainable Synthesis of Pure Silica Zeolites from a Combined Strategy of Zeolite Seeding and Alcohol Filling. *Angewandte Chemie - International Edition*, **2019**, 58, 12138-12142	16.4	22
153	New zeolite Al-COE-4: reaching highly shape-selective catalytic performance through interlayer expansion. *Chemical Communications*, **2012**, 48, 11549-51	5.8	22

152	Mesoporous Solid Acid Catalysts. *Catalysis Surveys From Asia*, **2011**, 15, 37-48	2.8	22
151	Generalized high-temperature synthesis of zeolite catalysts with unpredictably high space-time yields (STYs). *Journal of Materials Chemistry A*, **2017**, 5, 2613-2618	13	21
150	Porous polymer supported palladium catalyst for cross coupling reactions with high activity and recyclability. *Science China Chemistry*, **2012**, 55, 2095-2103	7.9	21
149	High Activity in Catalytic Oxidation of Benzyl Alcohol with Molecular Oxygen over Carboxylic-Functionalized Carbon Nanofiber-Supported Ruthenium Catalysts. *Catalysis Letters*, **2009**, 127, 400-405	2.8	21
148	Catalytic Epoxidation of Styrene by Molecular Oxygen over a Novel Catalyst of Copper Hydroxyphosphate Cu2(OH)PO4. *Catalysis Letters*, **2001**, 76, 105-109	2.8	21
147	An efficient, rapid, and non-centrifugation synthesis of nanosized zeolites by accelerating the nucleation rate. *Journal of Materials Chemistry A*, **2018**, 6, 21156-21161	13	21
146	Catalytic epoxidation of styrene over copper hydroxyphosphate Cu2(OH)PO4. *Catalysis Letters*, **2001**, 71, 241-244	2.8	20
145	Zeolite Seeds: Third Type of Structure Directing Agents in the Synthesis of Zeolites. *Comments on Inorganic Chemistry*, **2016**, 36, 1-16	3.9	19
144	Mesoporous and Al-rich MFI crystals assembled with aligned nanorods in the absence of organic templates. *Microporous and Mesoporous Materials*, **2016**, 233, 133-139	5.3	19
143	Hydrothermally Stable and Catalytically Active Ordered Mesoporous Materials Assembled from Preformed Zeolite Nanoclusters. *Catalysis Surveys From Asia*, **2004**, 8, 151-159	2.8	19
142	Probing the limits of structure insensitivity: size-dependent catalytic activity of Al2O3-supported iridium clusters and particles for toluene hydrogenation. *Studies in Surface Science and Catalysis*, **1996**, 101, 1135-1144	1.8	19
141	Catalytic performance for toluene abatement over Al-rich Beta zeolite supported manganese oxides. *Catalysis Today*, **2017**, 297, 182-187	5.3	18
140	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	3.8	18
139	Host□Guest Interactions and Their Catalytic Consequences in Methanol to Olefins Conversion on Zeolites Studied by 13C□27Al Double-Resonance Solid-State NMR Spectroscopy. *ACS Catalysis*, **2017**, 7, 6094-6103	13.1	18
138	Mesostructured Sulfated Tin Oxide and its High Catalytic Activity in Esterification and Friedel□rafts Acylation. *Catalysis Letters*, **2006**, 108, 155-158	2.8	18
137	Direct Synthesis of Aluminosilicate SSZ-39 Zeolite Using Colloidal Silica as a Starting Source. *ACS Applied Materials & Interfaces*, **2019**, 11, 23112-23117	9.5	17
136	Importance of controllable Al sites in CHA framework by crystallization pathways for NH3-SCR reaction. *Applied Catalysis B: Environmental*, **2020**, 277, 119193	21.8	17
135	A significant enhancement of catalytic performance by adjusting catalyst wettability. *Science China Materials*, **2018**, 61, 1137-1142	7.1	17

134	Interzeolite transformation from FAU to CHA and MFI zeolites monitored by UV Raman spectroscopy. *Chinese Journal of Catalysis*, **2019**, 40, 1854-1859	11.3	17
133	Solvent-free synthesis of SAPO-5 zeolite with plate-like morphology in the presence of surfactants. *Chinese Journal of Catalysis*, **2015**, 36, 797-800	11.3	17
132	Exploration of advanced porous organic polymers as a platform for biomimetic catalysis and molecular recognition. *Chemical Communications*, **2020**, 56, 10631-10641	5.8	17
131	From Layered Zeolite Precursors to Zeolites with a Three-Dimensional Porosity: Textural and Structural Modifications through Alkaline Treatment. *Chemistry of Materials*, **2015**, 27, 316-326	9.6	16
130	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	13	16
129	Ascorbic acid assisted green route for synthesis of water dispersible carbon dots. *Chemical Research in Chinese Universities*, **2013**, 29, 401-403	2.2	16
128	Synthesis of EMT-rich faujasite in the presence of organic template of low-cost polyquaternium-6. *Journal of Porous Materials*, **2008**, 15, 295-301	2.4	16
127	Zur Unterscheidung der Silanolgruppen im mesoporösen Molekularsieb MCM-41. *Angewandte Chemie*, **1995**, 107, 2898-2900	3.6	16
126	A porous Brønsted superacid as an efficient and durable solid catalyst. *Journal of Materials Chemistry A*, **2018**, 6, 18712-18719	13	16
125	Mesoporous zeolites for biofuel upgrading and glycerol conversion. *Frontiers of Chemical Science and Engineering*, **2018**, 12, 132-144	4.5	15
124	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	16.4	15
123	Enhancement of hydroformylation performance via increasing the phosphine ligand concentration in porous organic polymer catalysts. *Catalysis Today*, **2017**, 298, 40-45	5.3	15
122	Mg-Al Mixed Oxides Supported Bimetallic Au-Pd Nanoparticles with Superior Catalytic Properties in Aerobic Oxidation of Benzyl Alcohol and Glycerol. *Chinese Journal of Chemistry*, **2012**, 30, 2189-2197	4.9	15
121	Synthesis of Sulfated Silica-Doped Tin Oxides and Their High Activities in Transesterification. *Catalysis Letters*, **2008**, 124, 133-138	2.8	15
120	Enhancement of Catalytic Activity in Epoxide Hydration by Increasing the Concentration of Cobalt(III)/Salen in Porous Polymer Catalysts. *ChemCatChem*, **2016**, 8, 812-817	5.2	15
119	Exceptional activity for formaldehyde combustion using siliceous Beta zeolite as a catalyst support. *Catalysis Today*, **2020**, 339, 174-180	5.3	15
118	Selective hydrogenolysis of carbon-oxygen bonds with formic acid over a Au-Pt alloy catalyst. *Chemical Communications*, **2017**, 53, 2681-2684	5.8	14
117	110th Anniversary: Sustainable Synthesis of Zeolites: From Fundamental Research to Industrial Production. *Industrial & Engineering Chemistry Research*, **2019**, 58, 11653-11658	3.9	14

116	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	6.8	14
115	Selective conversion of syngas to propane over ZnCrO -SSZ-39 OX-ZEO catalysts. *Journal of Energy Chemistry*, **2019**, 36, 141-147	12	14
114	Location matters: cooperativity of catalytic partners in porous organic polymers for enhanced CO transformation. *Chemical Communications*, **2019**, 55, 9180-9183	5.8	14
113	Hierarchical macroporous epoxy resin templated from single semi-fluorinated surfactant. *Journal of Porous Materials*, **2010**, 17, 693-698	2.4	14
112	Highly steam-stable mesoporous silica assembled from preformed zeolite precursors at high temperatures. *Journal of Materials Chemistry*, **2005**, 15, 5063		14
111	Mn-promoted Ag supported on pure siliceous Beta zeolite (Ag/Beta-Si) for catalytic combustion of formaldehyde. *Applied Catalysis B: Environmental*, **2020**, 268, 118461	21.8	14
110	Generalized ionothermal synthesis of silica-based zeolites. *Microporous and Mesoporous Materials*, **2019**, 286, 163-168	5.3	13
109	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	13	13
108	Cesium-free synthesis of aluminosilicate RHO zeolite in the presence of cationic polymer. *Microporous and Mesoporous Materials*, **2010**, 132, 352-356	5.3	13
107	Fischer-Tropsch reaction within zeolite crystals for selective formation of gasoline-ranged hydrocarbons. *Journal of Energy Chemistry*, **2021**, 54, 429-433	12	13
106	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	13	12
105	High-temperature hydrothermal synthesis of magnetically active, ordered mesoporous resin and carbon monoliths with reusable adsorption for organic dye. *Adsorption*, **2013**, 19, 39-47	2.6	12
104	Self-formation of hierarchical SAPO-11 molecular sieves as an efficient hydroisomerization support. *Catalysis Today*, **2020**, 350, 165-170	5.3	12
103	Aerobic Activation of C-H Bond in Amines Over a Nanorod Manganese Oxide Catalyst. *ChemCatChem*, **2019**, 11, 401-406	5.2	11
102	Bio-inspired creation of heterogeneous reaction vessels via polymerization of supramolecular ion pair. *Nature Communications*, **2019**, 10, 3059	17.4	11
101	Co-salen functionalized on graphene as an efficient heterogeneous catalyst for cyclohexene oxidation. *Journal of Energy Chemistry*, **2013**, 22, 48-51	12	11
100	Solvent-Free Synthesis of ITQ-12, ITQ-13, and ITQ-17 Zeolites. *Chinese Journal of Chemistry*, **2017**, 35, 572-576	4.9	10
99	Improved catalytic activity in methanol electro-oxidation over the nickel form of aluminum-rich beta-SDS zeolite modified electrode. *Journal of Materials Chemistry A*, **2015**, 3, 5811-5814	13	10

98	Strong Oxide□Support Interactions Accelerate Selective Dehydrogenation of Propane by Modulating the Surface Oxygen. *ACS Catalysis*, **2020**, 10, 10559-10569	13.1	10
97	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	21.8	10
96	Nanorod Manganese Oxide as an Efficient Heterogeneous Catalyst for Hydration of Nitriles into Amides. *Industrial & Engineering Chemistry Research*, **2019**, 58, 17319-17324	3.9	9
95	Boosting the hydrolytic stability of phosphite ligand in hydroformylation by the construction of superhydrophobic porous framework. *Molecular Catalysis*, **2019**, 474, 110408	3.3	9
94	A Cationic Oligomer as an Organic Template for Direct Synthesis of Aluminosilicate ITH Zeolite. *Angewandte Chemie - International Edition*, **2020**, 59, 15649-15655	16.4	9
93	Enhanced synthetic efficiency of CHA zeolite crystallized at higher temperatures. *Catalysis Today*, **2018**, 316, 31-36	5.3	9
92	Understanding Mechanism and Designing Strategies for Sustainable Synthesis of Zeolites: A Personal Story. *Chemical Record*, **2016**, 16, 1054-66	6.6	9
91	Alcohol-assisted synthesis of high-silica zeolites in the absence of organic structure-directing agents. *Chinese Journal of Catalysis*, **2021**, 42, 563-570	11.3	9
90	Direct Synthesis of Pure Aqueous H2O2 Solution within Aluminosilicate Zeolite Crystals. *ACS Catalysis*, **2021**, 11, 1946-1951	13.1	9
89	Sustainable and efficient synthesis of nanosized EMT zeolites under solvent-free and organotemplate-free conditions. *Microporous and Mesoporous Materials*, **2019**, 286, 105-109	5.3	8
88	Mesoporous EU-1 zeolite synthesized in the presence of cationic polymer. *Microporous and Mesoporous Materials*, **2016**, 235, 246-252	5.3	8
87	N-Oxyl Radicals Trapped on Zeolite Surface Accelerate Photocatalysis. *ACS Catalysis*, **2019**, 9, 10448-10453	13.1	8
86	Framework stability and Br□sted acidity of isomorphously substituted interlayer-expanded zeolite COE-4: a density functional theory study. *ChemPhysChem*, **2014**, 15, 1700-7	3.2	8
85	Catalytic performance in hydrodesulfurization of thiophene and ir investigation of Co and no adsorption over Co□Mo/Al2O3 and Ru□Co□Mo/Al2O3 catalysts. *Reaction Kinetics and Catalysis Letters*, **1992**, 46, 351-357		8
84	Cu-Exchanged CHA-Type Zeolite from Organic Template-Free Synthesis: An Effective Catalyst for NH3-SCR. *Industrial & Engineering Chemistry Research*, **2020**, 59, 7375-7382	3.9	7
83	Illuminating solvent-free synthesis of zeolites. *Dalton Transactions*, **2020**, 49, 6939-6944	4.3	7
82	Porous Organic Polymers Constructed from Tr□ger's Base as Efficient Carbon Dioxide Adsorbents and Heterogeneous Catalysts. *ChemCatChem*, **2018**, 10, 1900-1904	5.2	7
81	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	6.8	7

80	Role of water as a coporogen in the synthesis of mesoporous poly(divinylbenzenes). *Journal of Applied Polymer Science*, **2014**, 131, n/a-n/a	2.9	7
79	Design Synthesis of ITE Zeolite Using Nickel-Amine Complex as an Efficient Structure-Directing Agent. *ACS Applied Materials & Interfaces*, **2018**, 10, 33214-33220	9.5	7
78	Tuning product selectivity in CO hydrogenation over metal-based catalysts. *Chemical Science*, **2021**, 12, 14660-14673	9.4	7
77	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	11.3	6
76	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	4.5	6
75	Enhanced catalytic performance of methane combustion over zeolite-supported Pd catalysts with the lanthanum. *Catalysis Today*, **2021**, 364, 16-20	5.3	6
74	Design of fast crystallization of nanosized zeolite omega crystals at higher temperatures. *Chinese Journal of Catalysis*, **2019**, 40, 1093-1099	11.3	5
73	Acidic property of BEA zeolite synthesized by seed-directed method. *Journal of Porous Materials*, **2016**, 23, 415-421	2.4	5
72	Organotemplate-Free Synthesis of a High-Silica Zeolite with a TON Structure in the Absence of Zeolite Seeds. *European Journal of Inorganic Chemistry*, **2016**, 2016, 1364-1368	2.3	5
71	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	5.3	5
70	Interfacial CoO Layers on TiO as an Efficient Catalyst for Solvent-Free Aerobic Oxidation of Hydrocarbons. *ChemSusChem*, **2018**, 11, 3965-3974	8.3	5
69	Zeolite nanosheets for catalysis.. *Chemical Society Reviews*, **2022**,	58.5	5
68	Turning on Catalysis: Construction of Triphenylphosphine Moieties into Porous Frameworks. *ChemCatChem*, **2020**, 12, 3285-3289	5.2	4
67	Supported cluster catalysts synthesized to be small, simple, selective, and stable. *Faraday Discussions*, **2018**, 208, 9-33	3.6	4
66	One-pot synthesis of fluorescent mesoporous materials for detection of the presence of Be2+ ion. *Journal of Porous Materials*, **2008**, 15, 527-533	2.4	4
65	Low-Temperature Dehydration of Ethanol to Ethylene over Cu□eolite Catalysts Synthesized from Cu□tetraethylenepentamine. *Industrial & Engineering Chemistry Research*, **2020**, 59, 17300-17306	3.9	4
64	Efficient adjustment of product selectivity using controllable Pd nanoparticles in nitroarene hydrogenation. *Particuology*, **2020**, 48, 13-18	2.8	4
63	Product selectivity controlled by manganese oxide crystals in catalytic ammoxidation. *Chinese Journal of Catalysis*, **2021**, 42, 2164-2172	11.3	4

62	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	3.6	3
61	Mesoporous Co-Al oxide nanosheets as highly efficient catalysts for CO oxidation. *AICHE Journal*, **2020**, 66, e16923	3.6	3
60	Rational Design of Zirconium-doped Titania Photocatalysts with Synergistic Brønsted Acidity and Photoactivity. *ChemSusChem*, **2016**, 9, 2759-2764	8.3	3
59	In situ immobilization of tin dioxide nanoparticles by nanoporous polymers scaffold toward monolithic humidity sensing devices. *Journal of Colloid and Interface Science*, **2014**, 431, 17-23	9.3	3
58	Niobium-Based Catalysts for Biomass Conversion **2017**, 253-281		3
57	Recent Developments in the Use of Porous Carbon Materials for Cellulose Conversion **2017**, 79-98		3
56	Sphärische Partikel aus mehrwandigen Kohlenstoff-Nanoröhren: Bildungsmechanismus und katalytische Leistung. *Angewandte Chemie*, **2012**, 124, 7699-7704	3.6	3
55	Advances in the synthesis and application of SSZ-39 zeolite. *Inorganic Chemistry Frontiers*,	6.8	3
54	Design of Cobalt–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	3.8	3
53	Basic carrier promoted Pt-catalyzed hydrogenolysis of alkaline lignin. *Catalysis Today*, **2021**, 365, 193-198	5.3	3
52	Fluoride-free synthesis of anatase TiO2 crystals rich in (001) facets in the presence of cationic polymer. *Chinese Journal of Catalysis*, **2013**, 34, 2004-2008	11.3	2
51	Activated Carbon and Ordered Mesoporous Carbon-Based Catalysts for Biomass Conversion **2017**, 17-54		2
50	Sustainable Routes for Synthesis of Zeolite Catalysts **2017**, 251-274		2
49	Zeolites with Hierarchically Porous Structure: Mesoporous Zeolites **2011**, 435-455		2
48	Complete oxidation of formaldehyde at room temperature over Ag-loaded octahedral molecular sieve synthesized from solvent-free route. *Applied Catalysis B: Environmental*, **2021**, 120875	21.8	2
47	Seed-Directed and Organotemplate-free Synthesis of Zeolites. *Acta Chimica Sinica*, **2012**, 70, 2387	3.3	2
46	Sustainable one-pot preparation of fully crystalline shaped zeolite catalysts. *Catalysis Science and Technology*, **2021**, 11, 5650-5655	5.5	2
45	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	7.3	2

44	Recent advances in organotemplate-free synthesis of zeolites. *Current Opinion in Green and Sustainable Chemistry*, **2020**, 25, 100363	7.9	1
43	A Cationic Oligomer as an Organic Template for Direct Synthesis of Aluminosilicate ITH Zeolite. *Angewandte Chemie*, **2020**, 132, 15779-15785	3.6	1
42	Synthesis of Aluminophosphate Molecular Sieves in Alkaline Media. *Chemistry - A European Journal*, **2020**, 26, 11408-11411	4.8	1
41	Decorated zeolites for chemoselective alkyne/olefin separations. *Science China Chemistry*, **2020**, 63, 1177-1178	7.9	1
40	One-pot fabrication of metal-zeolite catalysts from a combination of solvent-free and sodium-free routes. *Catalysis Today*, **2020**, 371, 64-64	5.3	1
39	Frontispiz: Reaction Environment Modification in Covalent Organic Frameworks for Catalytic Performance Enhancement. *Angewandte Chemie*, **2019**, 131,	3.6	1
38	Ordered Mesoporous Silica-Based Catalysts for Biomass Conversion **2017**, 99-125		1
37	Mesoporous Zeolite for Biomass Conversion **2017**, 209-230		1
36	Stable Tetrahedral Aluminum Sites in Hexagonal Mesoporous Aluminosilicates. *Chinese Journal of Chemistry*, **2010**, 20, 711-714	4.9	1
35	Advances in porous materials for petrochemical processing: Chinese perspectives. *Journal of Porous Materials*, **2008**, 15, 115-117	2.4	1
34	The High Dispersion of CuCl2 in ZSM-5 by Using Microwave Method. *Materials Research Society Symposia Proceedings*, **1994**, 344, 139		1
33	Selective conversion of acetone to mesitylene over tantalum phosphate catalysts.. *Chemical Communications*, **2022**,	5.8	1
32	Selective Oxidation of Methane into Methanol Under Mild Conditions. *Chemical Research in Chinese Universities*,1	2.2	1
31	Structure-performance interplay of rhodium-based catalysts for syngas conversion to ethanol. *Materials Chemistry Frontiers*,	7.8	1
30	NbOPO Supported Rh Nanoparticles with Strong Metal-Support Interactions for Selective CO Hydrogenation. *ChemSusChem*, **2020**, 13, 6300-6306	8.3	1
29	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	3.9	1
28	Porous Organic Phenanthroline-Based Polymer as an Efficient Transition-Metal-Free Heterogeneous Catalyst for Direct Aromatic C-H Activation. *Chemistry - A European Journal*, **2021**, 27, 8684-8688	4.8	1
27	Mesostructured materials **2021**,		1

26	Metalated Porous Phenanthroline-Based Polymers as Efficient Heterogeneous Catalysts for Regioselective C-H Activation of Heteroarenes. *Chemistry - an Asian Journal*, **2021**, 16, 2469-2474	4.5	1
25	Zeolites for control of NO emissions: Opportunities and challenges. *Chem Catalysis*, **2022**, 2, 253-261		1
24	Theoretical Prediction from Classical Equations and Rational Synthesis of Ultrafine LTL Zeolite Nanocrystals. *Journal of Physical Chemistry C*, **2020**, 124, 13819-13824	3.8	0
23	Sustainable Synthesis of Pure Silica Zeolites from a Combined Strategy of Zeolite Seeding and Alcohol Filling. *Angewandte Chemie*, **2019**, 131, 12266-12270	3.6	0
22	Lignin Depolymerization Over Porous Copper-Based Mixed-Oxide Catalysts in Supercritical Ethanol **2017**, 231-251		0
21	Mesoporous Zeolites: Synthesis and Catalytic Applications **2022**, 397-453		0
20	Sustainable Synthesis of Core-shell Structured ZSM-5@Silicalite-1 Zeolite. *Chemical Research in Chinese Universities*,1	2.2	0
19	Enhancement of Catalytic Properties by Adjusting Molecular Diffusion in Nanoporous Catalysts. *Advances in Catalysis*, **2018**, 1-47	2.4	0
18	Sustainable synthesis of ordered mesoporous materials without additional solvents.. *Journal of Colloid and Interface Science*, **2022**, 619, 116-122	9.3	0
17	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	5.3	0
16	Surprising separation selectivity of ethylene from ethane over pure siliceous zeolites with framework flexibility. *Science China Materials*, **2018**, 61, 763-764	7.1	
15	Designing Zeolite Catalysts to Convert Glycerol, Rice Straw, and Bio-Syngas **2017**, 149-175		
14	Nanoporous Organic Frameworks for Biomass Conversion **2017**, 1-16		
13	Towards More Sustainable Chemical Synthesis, Using Formic Acid as a Renewable Feedstock **2017**, 283-306		
12	Nanoporous Carbon/Nitrogen Materials and their Hybrids for Biomass Conversion **2017**, 55-77		
11	Porous Polydivinylbenzene-Based Solid Catalysts for Biomass Transformation Reactions **2017**, 127-148		
10	Depolymerization of Lignin with Nanoporous Catalysts **2017**, 177-208		
9	Activity of Zeolitic Catalysts **2017**, 417-442		

8	Mesoporous Zeolite Templated from Polymers **2015**, 199-226	
7	Characterization of various surface Co-sites on reduced CoMo/A12O3 and RuCoMo/A12O3 catalysts using IR and MS spectroscopies. *Chinese Journal of Chemistry*, **2010**, 10, 390-395	4.9
6	In situ infrared investigation of alkylation reaction of dianionic triruthenium ketenylidene cluster on magnesium oxide with methyl iodide. *Chinese Journal of Chemistry*, **2010**, 11, 517-523	4.9
5	Ship-in-bottle formation of Ru3(CO)12 in NaY zeolite. *Chinese Journal of Chemistry*, **2010**, 12, 258-264	4.9
4	Ship-in-a-bottle formation of Ru3(CO)12 in zeolite NaY. *Reaction Kinetics and Catalysis Letters*, **1997**, 61, 383-389	
3	Introduction of the Asia-Pacific Association of Catalysis Societies (APACS). *Catalysis Surveys From Asia*, **2008**, 12, 72-77	2.8
2	Anion-exchangeable inorganic-organic hybrid materials synthesized without using templates. *Science Bulletin*, **2004**, 49, 2449-2451	
1	Hierarchial Zeolites: Beyond Creation of Mesoporosity: The Advantages of Polymer-Based Dual-Function Templates for Fabricating Hierarchical Zeolites (Adv. Funct. Mater. 12/2016). *Advanced Functional Materials*, **2016**, 26, 1854-1854	15.6