

Feng-Shou Xiao

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.

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	Selective conversion of acetone to mesitylene over tantalum phosphate catalysts.. <i>Chemical Communications</i> , 2022 ,	5.8	1
330	Mesoporous Zeolites: Synthesis and Catalytic Applications 2022 , 397-453		0
329	Zeolite nanosheets for catalysis.. <i>Chemical Society Reviews</i> , 2022 ,	58.5	5
328	Zeolites for control of NO emissions: Opportunities and challenges. <i>Chem Catalysis</i> , 2022 , 2, 253-261		1
327	Sustainable synthesis of ordered mesoporous materials without additional solvents.. <i>Journal of Colloid and Interface Science</i> , 2022 , 619, 116-122	9.3	0
326	Ultrafast crystallization of mesoporous Sn-MFI single crystals achieved by addition of the cationic polyelectrolyte in starting gels. <i>Microporous and Mesoporous Materials</i> , 2022 , 337, 111922	5.3	0
325	Complete oxidation of formaldehyde at room temperature over Ag-loaded octahedral molecular sieve synthesized from solvent-free route. <i>Applied Catalysis B: Environmental</i> , 2021 , 120875	21.8	2
324	Isolated boron in zeolite for oxidative dehydrogenation of propane. <i>Science</i> , 2021 , 372, 76-80	33.3	48
323	Zeolite Fixed Metal Nanoparticles: New Perspective in Catalysis. <i>Accounts of Chemical Research</i> , 2021 , 54, 2579-2590	24.3	28
322	Calcination-Free Fabrication of Highly b-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
321	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
320	Strong metal-support interactions on gold nanoparticle catalysts achieved through Le Chatelier's principle. <i>Nature Catalysis</i> , 2021 , 4, 418-424	36.5	36
319	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
318	Basic carrier promoted Pt-catalyzed hydrogenolysis of alkaline lignin. <i>Catalysis Today</i> , 2021 , 365, 193-198	5.3	3
317	Fischer-Tropsch reaction within zeolite crystals for selective formation of gasoline-ranged hydrocarbons. <i>Journal of Energy Chemistry</i> , 2021 , 54, 429-433	12	13
316	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
315	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

3 ¹⁴	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
3 ¹³	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
3 ¹²	Direct Synthesis of Pure Aqueous H ₂ O ₂ Solution within Aluminosilicate Zeolite Crystals. <i>ACS Catalysis</i> , 2021 , 11, 1946-1951	13.1	9
3 ¹¹	Mesostructured materials 2021 ,		1
3 ¹⁰	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
3 ⁰⁹	Sustainable one-pot preparation of fully crystalline shaped zeolite catalysts. <i>Catalysis Science and Technology</i> , 2021 , 11, 5650-5655	5.5	2
3 ⁰⁸	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
3 ⁰⁷	Partial oxidation of propylene with H ₂ and O ₂ over Au supported on ZrO ₂ with different structural and surface properties. <i>Journal of Catalysis</i> , 2021 , 401, 188-199	7.3	2
3 ⁰⁶	Product selectivity controlled by manganese oxide crystals in catalytic ammoxidation. <i>Chinese Journal of Catalysis</i> , 2021 , 42, 2164-2172	11.3	4
3 ⁰⁵	Tuning product selectivity in CO hydrogenation over metal-based catalysts. <i>Chemical Science</i> , 2021 , 12, 14660-14673	9.4	7
3 ⁰⁴	Atomically Dispersed Ru on Manganese Oxide Catalyst Boosts Oxidative Cyanation. <i>ACS Catalysis</i> , 2020 , 10, 6299-6308	13.1	23
3 ⁰³	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
3 ⁰²	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
3 ⁰¹	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
3 ⁰⁰	Recent advances in organotemplate-free synthesis of zeolites. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2020 , 25, 100363	7.9	1
2 ⁹⁹	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
2 ⁹⁸	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
2 ⁹⁷	Synthesis of Aluminophosphate Molecular Sieves in Alkaline Media. <i>Chemistry - A European Journal</i> , 2020 , 26, 11408-11411	4.8	1

- 296 Decorated zeolites for chemoselective alkyne/olefin separations. *Science China Chemistry*, **2020**, 63, 1177-1178
- 295 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
- 294 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
- 293 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
- 292 Silica accelerates the selective hydrogenation of CO to methanol on cobalt catalysts. *Nature Communications*, **2020**, 11, 1033 17.4 47
- 291 Direct Conversion of Syngas to Ethanol within Zeolite Crystals. *Chem*, **2020**, 6, 646-657 16.2 58
- 290 Mesoporous Co-Al oxide nanosheets as highly efficient catalysts for CO oxidation. *AIChE Journal*, **2020**, 66, e16923 3.6 3
- 289 Turning on Catalysis: Construction of Triphenylphosphine Moieties into Porous Frameworks. *ChemCatChem*, **2020**, 12, 3285-3289 5.2 4
- 288 Illuminating solvent-free synthesis of zeolites. *Dalton Transactions*, **2020**, 49, 6939-6944 4.3 7
- 287 Hydrophobic zeolite modification for in situ peroxide formation in methane oxidation to methanol. *Science*, **2020**, 367, 193-197 33.3 211
- 286 Programming Covalent Organic Frameworks for Photocatalysis: Investigation of Chemical and Structural Variations. *Matter*, **2020**, 2, 416-427 12.7 57
- 285 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
- 284 Metal@Zeolite Hybrid Materials for Catalysis. *ACS Central Science*, **2020**, 6, 1685-1697 16.8 55
- 283 Low-Temperature Dehydration of Ethanol to Ethylene over CuZeolite Catalysts Synthesized from CuII tetraethylenepentamine. *Industrial & Engineering Chemistry Research*, **2020**, 59, 17300-17306 3.9 4
- 282 Dispersed Nickel Boosts Catalysis by Copper in CO₂ Hydrogenation. *ACS Catalysis*, **2020**, 10, 9261-9270 13.1 23
- 281 Exploration of advanced porous organic polymers as a platform for biomimetic catalysis and molecular recognition. *Chemical Communications*, **2020**, 56, 10631-10641 5.8 17
- 280 NbOPO Supported Rh Nanoparticles with Strong Metal-Support Interactions for Selective CO Hydrogenation. *ChemSusChem*, **2020**, 13, 6300-6306 8.3 1
- 279 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

278	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
277	Exceptional activity for formaldehyde combustion using siliceous Beta zeolite as a catalyst support. <i>Catalysis Today</i> , 2020 , 339, 174-180	5.3	15
276	Self-formation of hierarchical SAPO-11 molecular sieves as an efficient hydroisomerization support. <i>Catalysis Today</i> , 2020 , 350, 165-170	5.3	12
275	Efficient adjustment of product selectivity using controllable Pd nanoparticles in nitroarene hydrogenation. <i>Particuology</i> , 2020 , 48, 13-18	2.8	4
274	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
273	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
272	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
271	Rare-earth ion exchanged Cu-SSZ-13 zeolite from organotemplate-free synthesis with enhanced hydrothermal stability in NH ₃ -SCR of NO _x . <i>Catalysis Science and Technology</i> , 2019 , 9, 241-251	5.5	41
270	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
269	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
268	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
267	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
266	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
265	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
264	Metal-acid interfaces enveloped in zeolite crystals for cascade biomass hydrodeoxygenation. <i>Applied Catalysis B: Environmental</i> , 2019 , 254, 560-568	21.8	25
263	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
262	Generalized ionothermal synthesis of silica-based zeolites. <i>Microporous and Mesoporous Materials</i> , 2019 , 286, 163-168	5.3	13
261	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

260	Reaction Environment Modification in Covalent Organic Frameworks for Catalytic Performance Enhancement. <i>Angewandte Chemie</i> , 2019 , 131, 8762-8767	3.6	34
259	Reaction Environment Modification in Covalent Organic Frameworks for Catalytic Performance Enhancement. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 8670-8675	16.4	70
258	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
257	Aerobic Activation of C-H Bond in Amines Over a Nanorod Manganese Oxide Catalyst. <i>ChemCatChem</i> , 2019 , 11, 401-406	5.2	11
256	Selective conversion of syngas to propane over ZnCrO ₂ -SSZ-39 OX-ZEO catalysts. <i>Journal of Energy Chemistry</i> , 2019 , 36, 141-147	12	14
255	Solvent-Free Synthesis of Core-Shell Zn/ Catalyst for Selective Conversion of Methanol to BTX Aromatics. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 15453-15458	3.9	24
254	Bio-inspired creation of heterogeneous reaction vessels via polymerization of supramolecular ion pair. <i>Nature Communications</i> , 2019 , 10, 3059	17.4	11
253	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
252	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
251	New Strategies for the Preparation of Sinter-Resistant Metal-Nanoparticle-Based Catalysts. <i>Advanced Materials</i> , 2019 , 31, e1901905	24	99
250	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
249	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
248	Frontispiz: Reaction Environment Modification in Covalent Organic Frameworks for Catalytic Performance Enhancement. <i>Angewandte Chemie</i> , 2019 , 131,	3.6	1
247	Cobalt-Nickel Catalysts for Selective Hydrogenation of Carbon Dioxide into Ethanol. <i>ACS Catalysis</i> , 2019 , 9, 11335-11340	13.1	37
246	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
245	N-Oxyl Radicals Trapped on Zeolite Surface Accelerate Photocatalysis. <i>ACS Catalysis</i> , 2019 , 9, 10448-10453	3.1	8
244	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
243	Fish-in-hole: rationally positioning palladium into traps of zeolite crystals for sinter-resistant catalysts. <i>Chemical Communications</i> , 2018 , 54, 3274-3277	5.8	26

242	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
241	Selective Hydrogenation of CO to Ethanol over Cobalt Catalysts. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 6104-6108	16.4	137
240	Selective Hydrogenation of CO ₂ to Ethanol over Cobalt Catalysts. <i>Angewandte Chemie</i> , 2018 , 130, 6212-6216	9.2	26
239	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
238	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
237	Single-site catalyst promoters accelerate metal-catalyzed nitroarene hydrogenation. <i>Nature Communications</i> , 2018 , 9, 1362	17.4	111
236	Enhanced synthetic efficiency of CHA zeolite crystallized at higher temperatures. <i>Catalysis Today</i> , 2018 , 316, 31-36	5.3	9
235	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	
234	Pore Environment Control and Enhanced Performance of Enzymes Infiltrated in Covalent Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2018 , 140, 984-992	16.4	205
233	Mesoporous zeolites for biofuel upgrading and glycerol conversion. <i>Frontiers of Chemical Science and Engineering</i> , 2018 , 12, 132-144	4.5	15
232	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
231	Hydrophobic Zeolite Containing Titania Particles as Wettability-Selective Catalyst for Formaldehyde Removal. <i>ACS Catalysis</i> , 2018 , 8, 5250-5254	13.1	29
230	Rational construction of metal nanoparticles fixed in zeolite crystals as highly efficient heterogeneous catalysts. <i>Nano Today</i> , 2018 , 20, 74-83	17.9	69
229	Sinter-resistant metal nanoparticle catalysts achieved by immobilization within zeolite crystals via seed-directed growth. <i>Nature Catalysis</i> , 2018 , 1, 540-546	36.5	175
228	Solvent-Free Synthesis of Zeolites: Mechanism and Utility. <i>Accounts of Chemical Research</i> , 2018 , 51, 1396-1403	21.5	101
227	New insights into the di-n-propylamine (DPA) molecule as an organic structural directing agent (OSDA) in the crystallization of AlPO ₄ -11 molecular sieve. <i>Inorganic Chemistry Frontiers</i> , 2018 , 5, 1633-1639	6.8	7
226	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
225	Supported cluster catalysts synthesized to be small, simple, selective, and stable. <i>Faraday Discussions</i> , 2018 , 208, 9-33	3.6	4

224	Creating solvation environments in heterogeneous catalysts for efficient biomass conversion. <i>Nature Communications</i> , 2018 , 9, 3236	17.4	47
223	A significant enhancement of catalytic performance by adjusting catalyst wettability. <i>Science China Materials</i> , 2018 , 61, 1137-1142	7.1	17
222	Hydrophobic Solid Acids and Their Catalytic Applications in Green and Sustainable Chemistry. <i>ACS Catalysis</i> , 2018 , 8, 372-391	13.1	138
221	Importance of Zeolite Wettability for Selective Hydrogenation of Furfural over [email[protected]] Catalysts. <i>ACS Catalysis</i> , 2018 , 8, 474-481	13.1	101
220	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
219	Enhancement of Catalytic Properties by Adjusting Molecular Diffusion in Nanoporous Catalysts. <i>Advances in Catalysis</i> , 2018 , 1-47	2.4	0
218	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
217	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
216	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
215	A porous Brønsted superacid as an efficient and durable solid catalyst. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 18712-18719	13	16
214	Integrating Superwettability within Covalent Organic Frameworks for Functional Coating. <i>Chem</i> , 2018 , 4, 1726-1739	16.2	99
213	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
212	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
211	Hierarchical Sn-Beta Zeolite Catalyst for the Conversion of Sugars to Alkyl Lactates. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 3123-3131	8.3	47
210	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
209	Selective hydrogenolysis of carbon-oxygen bonds with formic acid over a Au-Pt alloy catalyst. <i>Chemical Communications</i> , 2017 , 53, 2681-2684	5.8	14
208	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
207	A Pd@Zeolite Catalyst for Nitroarene Hydrogenation with High Product Selectivity by Sterically Controlled Adsorption in the Zeolite Micropores. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 9747-9751	16.4	184

206	A Pd@Zeolite Catalyst for Nitroarene Hydrogenation with High Product Selectivity by Sterically Controlled Adsorption in the Zeolite Micropores. <i>Angewandte Chemie</i> , 2017 , 129, 9879-9883	3.6	64
205	Eco-friendly photocatalysts achieved by zeolite fixing. <i>Applied Catalysis B: Environmental</i> , 2017 , 212, 193-200	200	28
204	Controllable cyanation of carbon-hydrogen bonds by zeolite crystals over manganese oxide catalyst. <i>Nature Communications</i> , 2017 , 8, 15240	17.4	42
203	Homochiral Porous Framework as a Platform for Durability Enhancement of Molecular Catalysts. <i>Chemistry of Materials</i> , 2017 , 29, 5720-5726	9.6	25
202	Cu-exchanged Al-rich SSZ-13 zeolite from organotemplate-free synthesis as NH ₃ -SCR catalyst: Effects of Na ⁺ ions on the activity and hydrothermal stability. <i>Applied Catalysis B: Environmental</i> , 2017 , 217, 421-428	21.8	105
201	Catalytic performance for toluene abatement over Al-rich Beta zeolite supported manganese oxides. <i>Catalysis Today</i> , 2017 , 297, 182-187	5.3	18
200	Innentitelbild: A Pd@Zeolite Catalyst for Nitroarene Hydrogenation with High Product Selectivity by Sterically Controlled Adsorption in the Zeolite Micropores (Angew. Chem. 33/2017). <i>Angewandte Chemie</i> , 2017 , 129, 9756-9756	3.6	3
199	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
198	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
197	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
196	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
195	Insights into the Organotemplate-Free Synthesis of Zeolite Catalysts. <i>Engineering</i> , 2017 , 3, 567-574	9.7	25
194	Niobium-Based Catalysts for Biomass Conversion 2017 , 253-281		3
193	Ordered Mesoporous Silica-Based Catalysts for Biomass Conversion 2017 , 99-125		1
192	Designing Zeolite Catalysts to Convert Glycerol, Rice Straw, and Bio-Syngas 2017 , 149-175		
191	Nanoporous Organic Frameworks for Biomass Conversion 2017 , 1-16		
190	Lignin Depolymerization Over Porous Copper-Based Mixed-Oxide Catalysts in Supercritical Ethanol 2017 , 231-251		0
189	Towards More Sustainable Chemical Synthesis, Using Formic Acid as a Renewable Feedstock 2017 , 283-306		

188	Activated Carbon and Ordered Mesoporous Carbon-Based Catalysts for Biomass Conversion 2017 , 17-54		2
187	Nanoporous Carbon/Nitrogen Materials and their Hybrids for Biomass Conversion 2017 , 55-77		
186	Recent Developments in the Use of Porous Carbon Materials for Cellulose Conversion 2017 , 79-98		3
185	Porous Polydivinylbenzene-Based Solid Catalysts for Biomass Transformation Reactions 2017 , 127-148		
184	Depolymerization of Lignin with Nanoporous Catalysts 2017 , 177-208		
183	Mesoporous Zeolite for Biomass Conversion 2017 , 209-230		1
182	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
181	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
180	Sustainable Routes for Synthesis of Zeolite Catalysts 2017 , 251-274		2
179	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
178	A Hierarchical Bipyridine-Constructed Framework for Highly Efficient Carbon Dioxide Capture and Catalytic Conversion. <i>ChemSusChem</i> , 2017 , 10, 1186-1192	8.3	72
177	Zirconium Oxide Supported Palladium Nanoparticles as a Highly Efficient Catalyst in the Hydrogenation/Amination of Levulinic Acid to Pyrrolidones. <i>ChemCatChem</i> , 2017 , 9, 2661-2667	5.2	37
176	Activity of Zeolitic Catalysts 2017 , 417-442		
175	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
174	Zeolite Seeds: Third Type of Structure Directing Agents in the Synthesis of Zeolites. <i>Comments on Inorganic Chemistry</i> , 2016 , 36, 1-16	3.9	19
173	Mesoporous EU-1 zeolite synthesized in the presence of cationic polymer. <i>Microporous and Mesoporous Materials</i> , 2016 , 235, 246-252	5.3	8
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20	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
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16	Characterization of aluminosilicate zeolites by UV Raman spectroscopy. <i>Microporous and Mesoporous Materials</i> , 2001 , 46, 23-34	5.3	191
15	Catalytic Epoxidation of Styrene by Molecular Oxygen over a Novel Catalyst of Copper Hydroxyphosphate Cu ₂ (OH)PO ₄ . <i>Catalysis Letters</i> , 2001 , 76, 105-109	2.8	21
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13	Mesoporous aluminosilicates with ordered hexagonal structure, strong acidity, and extraordinary hydrothermal stability at high temperatures. <i>Journal of the American Chemical Society</i> , 2001 , 123, 5014-21	16.4	325
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11	Synthesis and Characterization of High-Quality Zeolite LTA and FAU Single Nanocrystals. <i>Chemistry of Materials</i> , 1998 , 10, 1483-1486	9.6	133
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7	Zur Unterscheidung der Silanolgruppen im mesoporösen Molekularsieb MCM-41. <i>Angewandte Chemie</i> , 1995 , 107, 2898-2900	3.6	16
6	The High Dispersion of CuCl ₂ in ZSM-5 by Using Microwave Method. <i>Materials Research Society Symposia Proceedings</i> , 1994 , 344, 139		1
5	Catalytic performance in hydrodesulfurization of thiophene and its investigation of Co and Ni adsorption over CoMo/Al ₂ O ₃ and RuCoMo/Al ₂ O ₃ catalysts. <i>Reaction Kinetics and Catalysis Letters</i> , 1992 , 46, 351-357		8
4	Selective Oxidation of Methane into Methanol Under Mild Conditions. <i>Chemical Research in Chinese Universities</i> , ¹	2.2	1
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1	Sustainable Synthesis of Core-shell Structured ZSM-5@Silicalite-1 Zeolite. <i>Chemical Research in Chinese Universities</i> , ¹	2.2	0