

# Wei Fan

## List of Publications by Year in descending order

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130  
papers

9,317  
citations

34105

52  
h-index

40979

93  
g-index

140  
all docs

140  
docs citations

140  
times ranked

10584  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hierarchical nanofabrication of microporous crystals with ordered mesoporosity. <i>Nature Materials</i> , 2008, 7, 984-991.	27.5	553
2	Ultra-selective high-flux membranes from directly synthesized zeolite nanosheets. <i>Nature</i> , 2017, 543, 690-694.	27.8	446
3	Promoting Interspecies Electron Transfer with Biochar. <i>Scientific Reports</i> , 2014, 4, 5019.	3.3	429
4	Cycloaddition of Biomass-Derived Furans for Catalytic Production of Renewable <i>p</i> -Xylene. <i>ACS Catalysis</i> , 2012, 2, 935-939.	11.2	400
5	Dye-Sensitized Core/Active Shell Upconversion Nanoparticles for Optogenetics and Bioimaging Applications. <i>ACS Nano</i> , 2016, 10, 1060-1066.	14.6	395
6	Direct Aqueous-Phase Synthesis of Sub-10 nm $\alpha$ -Luminous Pearls with Enhanced <i>in Vivo</i> Renewable Near-Infrared Persistent Luminescence. <i>Journal of the American Chemical Society</i> , 2015, 137, 5304-5307.	13.7	357
7	Production of Renewable Aromatic Compounds by Catalytic Fast Pyrolysis of Lignocellulosic Biomass with Bifunctional Ga/ZSM-5 Catalysts. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 1387-1390.	13.8	338
8	Engineering the Upconversion Nanoparticle Excitation Wavelength: Cascade Sensitization of Tri-doped Upconversion Colloidal Nanoparticles at 800 nm. <i>Advanced Optical Materials</i> , 2013, 1, 644-650.	7.3	321
9	Hydrothermal Synthesis of Zeolites with Three-Dimensionally Ordered Mesoporous-Imprinted Structure. <i>Journal of the American Chemical Society</i> , 2011, 133, 12390-12393.	13.7	266
10	Ultra-selective cycloaddition of dimethylfuran for renewable <i>p</i> -xylene with H-BEA. <i>Green Chemistry</i> , 2014, 16, 585-588.	9.0	220
11	Production of <i>p</i> -Xylene from Biomass by Catalytic Fast Pyrolysis Using ZSM-5 Catalysts with Reduced Pore Openings. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 11097-11100.	13.8	199
12	Three Dimensionally Ordered Mesoporous Carbon as a Stable, High-Performance $\text{LiO}_2$ Battery Cathode. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 4299-4303.	13.8	175
13	Mechanism of Formation of Uniform-Sized Silica Nanospheres Catalyzed by Basic Amino Acids. <i>Chemistry of Materials</i> , 2009, 21, 3719-3729.	6.7	169
14	Lewis acid zeolites for tandem Diels-Alder cycloaddition and dehydration of biomass-derived dimethylfuran and ethylene to renewable <i>p</i> -xylene. <i>Green Chemistry</i> , 2016, 18, 1368-1376.	9.0	140
15	Dual Template Synthesis of Meso- and Microporous MFI Zeolite Nanosheet Assemblies with Tailored Activity in Catalytic Reactions. <i>Chemistry of Materials</i> , 2014, 26, 1345-1355.	6.7	119
16	Renewable <i>p</i> -Xylene from 2,5-Dimethylfuran and Ethylene Using Phosphorus-Containing Zeolite Catalysts. <i>ChemCatChem</i> , 2017, 9, 398-402.	3.7	118
17	Organic-Inorganic Mesoporous Nanocarriers Integrated with Biogenic Ligands. <i>Small</i> , 2007, 3, 1740-1744.	10.0	114
18	Synthesis of Hierarchical Sn-MFI as Lewis Acid Catalysts for Isomerization of Cellulosic Sugars. <i>ACS Catalysis</i> , 2014, 4, 2029-2037.	11.2	108

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19	Rapid synthesis of Sn-Beta for the isomerization of cellulosic sugars. RSC Advances, 2012, 2, 10475.	3.6	107
20	On the effectiveness of tailored mesoporous MFI zeolites for biomass catalytic fast pyrolysis. Applied Catalysis A: General, 2016, 522, 109-119.	4.3	106
21	Diels-Alder cycloaddition of 2-methylfuran and ethylene for renewable toluene. Applied Catalysis B: Environmental, 2016, 180, 487-496.	20.2	102
22	Base free, one-pot synthesis of lactic acid from glycerol using a bifunctional Pt/Sn-MFI catalyst. Green Chemistry, 2014, 16, 3428-3433.	9.0	100
23	Antimicrobial Activity of Silver Ions Released from Zeolites Immobilized on Cellulose Nanofiber Mats. ACS Applied Materials & Interfaces, 2016, 8, 3032-3040.	8.0	99
24	Fluoride-free synthesis of a Sn-BEA catalyst by dry gel conversion. Green Chemistry, 2015, 17, 2943-2951.	9.0	97
25	Kinetic Regime Change in the Tandem Dehydrative Aromatization of Furan Diels-Alder Products. ACS Catalysis, 2015, 5, 2367-2375.	11.2	96
26	Stable Multimetallic Nanoparticles for Oxygen Electrocatalysis. Nano Letters, 2019, 19, 5149-5158.	9.1	94
27	Sub-40 nm Zeolite Suspensions via Disassembly of Three-Dimensionally Ordered Mesoporous-Imprinted Silicalite-1. Journal of the American Chemical Society, 2011, 133, 493-502.	13.7	91
28	A new approach to the determination of atomic-architecture of amorphous zeolite precursors by high-energy X-ray diffraction technique. Physical Chemistry Chemical Physics, 2006, 8, 224-227.	2.8	88
29	In situ Small-Angle and Wide-Angle X-ray Scattering Investigation on Nucleation and Crystal Growth of Nanosized Zeolite A. Chemistry of Materials, 2007, 19, 1906-1917.	6.7	87
30	Dominance of Surface Barriers in Molecular Transport through Silicalite-1. Journal of Physical Chemistry C, 2013, 117, 25545-25555.	3.1	86
31	Characterization of the Pore Structure of Three-Dimensionally Ordered Mesoporous Carbons Using High Resolution Gas Sorption. Langmuir, 2012, 28, 12647-12654.	3.5	85
32	Biomass-Derived Butadiene by Dehydra-Decyclization of Tetrahydrofuran. ACS Sustainable Chemistry and Engineering, 2017, 5, 3732-3736.	6.7	84
33	Photocatalytic degradation of 17 $\beta$ -ethinylestradiol (EE2) in the presence of TiO <sub>2</sub> -doped zeolite. Journal of Hazardous Materials, 2014, 279, 17-25.	12.4	80
34	Self-Assembly of Fibronectin Mimetic Peptide-Amphiphile Nanofibers. Langmuir, 2010, 26, 1953-1959.	3.5	76
35	Renewable Isoprene by Sequential Hydrogenation of Itaconic Acid and Dehydra-Decyclization of 3-Methyl-Tetrahydrofuran. ACS Catalysis, 2017, 7, 1428-1431.	11.2	72
36	The effects of ZSM-5 mesoporosity and morphology on the catalytic fast pyrolysis of furan. Green Chemistry, 2017, 19, 3549-3557.	9.0	72

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37	Dehydration of fructose into furans over zeolite catalyst using carbon black as adsorbent. <i>Microporous and Mesoporous Materials</i> , 2014, 191, 10-17.	4.4	70
38	Achieving Low Overpotential Li <sup>+</sup> O <sub>2</sub> Battery Operations by Li <sub>2</sub> O <sub>2</sub> Decomposition through One-Electron Processes. <i>Nano Letters</i> , 2015, 15, 8371-8376.	9.1	70
39	The effects of contact time and coking on the catalytic fast pyrolysis of cellulose. <i>Green Chemistry</i> , 2017, 19, 286-297.	9.0	67
40	Synthesis of Nanometer-Sized Sodalite Without Adding Organic Additives. <i>Langmuir</i> , 2008, 24, 6952-6958.	3.5	66
41	Effect of water treatment on Sn-BEA zeolite: Origin of 960 cm <sup>-1</sup> FTIR peak. <i>Microporous and Mesoporous Materials</i> , 2015, 210, 69-76.	4.4	66
42	Direct, single-step synthesis of hierarchical zeolites without secondary templating. <i>Journal of Materials Chemistry A</i> , 2015, 3, 1298-1305.	10.3	66
43	Production of liquid fuel intermediates from furfural via aldol condensation over Lewis acid zeolite catalysts. <i>Catalysis Science and Technology</i> , 2017, 7, 3555-3561.	4.1	66
44	Tunable Oleo-Furan Surfactants by Acylation of Renewable Furans. <i>ACS Central Science</i> , 2016, 2, 820-824.	11.3	64
45	Free-standing porous carbon electrodes derived from wood for high-performance Li-O <sub>2</sub> battery applications. <i>Nano Research</i> , 2017, 10, 4318-4326.	10.4	64
46	Phase selection of FAU and LTA zeolites by controlling synthesis parameters. <i>Microporous and Mesoporous Materials</i> , 2006, 89, 227-234.	4.4	60
47	A stable aluminosilicate zeolite with intersecting three-dimensional extra-large pores. <i>Science</i> , 2021, 374, 1605-1608.	12.6	59
48	Efficient mechano-catalytic depolymerization of crystalline cellulose by formation of branched glucan chains. <i>Green Chemistry</i> , 2015, 17, 769-775.	9.0	58
49	On the kinetics of the isomerization of glucose to fructose using Sn-Beta. <i>Chemical Engineering Science</i> , 2014, 116, 235-242.	3.8	57
50	Enhanced Molecular Transport in Hierarchical Silicalite-1. <i>Langmuir</i> , 2013, 29, 13943-13950.	3.5	56
51	Broadening the Scope for Fluoride-Free Synthesis of Siliceous Zeolites. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 3607-3611.	13.8	56
52	Long Walks in Hierarchical Porous Materials due to Combined Surface and Configurational Diffusion. <i>Chemistry of Materials</i> , 2016, 28, 7852-7863.	6.7	53
53	Confined synthesis of three-dimensionally ordered mesoporous-imprinted zeolites with tunable morphology and Si/Al ratio. <i>Microporous and Mesoporous Materials</i> , 2013, 181, 8-16.	4.4	50
54	On Asymmetric Surface Barriers in MFI Zeolites Revealed by Frequency Response. <i>Journal of Physical Chemistry C</i> , 2014, 118, 22166-22180.	3.1	47

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55	One-Dimensional Assembly of Silica Nanospheres Mediated by Block Copolymer in Liquid Phase. <i>Journal of the American Chemical Society</i> , 2009, 131, 16344-16345.	13.7	46
56	Textural and catalytic properties of Mo loaded hierarchical meso-/microporous lamellar MFI and MWW zeolites for direct methane conversion. <i>Applied Catalysis A: General</i> , 2014, 470, 344-354.	4.3	44
57	One-Pot Conversion of Carbohydrates into 5-(Hydroxymethyl)furfural using Heterogeneous Lewis Acid and Brønsted Acid Catalysts. <i>Energy Technology</i> , 2017, 5, 747-755.	3.8	41
58	Microwave-induced synthesis of highly dispersed gold nanoparticles within the pore channels of mesoporous silica. <i>Journal of Solid State Chemistry</i> , 2008, 181, 957-963.	2.9	40
59	Spatially isolated palladium in porous organic polymers by direct knitting for versatile organic transformations. <i>Journal of Catalysis</i> , 2017, 355, 101-109.	6.2	40
60	Quantitative carbon detector (QCD) for calibration-free, high-resolution characterization of complex mixtures. <i>Lab on A Chip</i> , 2015, 15, 440-447.	6.0	39
61	Kinetic regimes in the tandem reactions of H-BEA catalyzed formation of p-xylene from dimethylfuran. <i>Catalysis Science and Technology</i> , 2016, 6, 178-187.	4.1	39
62	2D Surface Structures in Small Zeolite MFI Crystals. <i>Chemistry of Materials</i> , 2015, 27, 4650-4660.	6.7	37
63	Nanoscale Reactor Engineering: Hydrothermal Synthesis of Uniform Zeolite Particles in Massively Parallel Reaction Chambers. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 9096-9099.	13.8	36
64	Adsorption and reaction properties of SnBEA, ZrBEA and H-BEA for the formation of p-xylene from DMF and ethylene. <i>Catalysis Science and Technology</i> , 2016, 6, 5729-5736.	4.1	36
65	Enabling Lithium Metal Anode in Nonflammable Phosphate Electrolyte with Electrochemically Induced Chemical Reactions. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 19183-19190.	13.8	36
66	New insights into the formation of microporous materials by in situ scattering techniques. <i>Faraday Discussions</i> , 2007, 136, 157.	3.2	34
67	Tandem Diels-Alder Reaction of Dimethylfuran and Ethylene and Dehydration to <i>para</i> -Xylene Catalyzed by Zeotypic Lewis Acids. <i>ChemCatChem</i> , 2017, 9, 2523-2535.	3.7	34
68	Production of liquid fuel intermediates from furfural via aldol condensation over potassium-promoted Sn-MFI catalyst. <i>Fuel</i> , 2019, 237, 1281-1290.	6.4	33
69	In situ observation of homogeneous nucleation of nanosized zeolite A. <i>Physical Chemistry Chemical Physics</i> , 2006, 8, 1335.	2.8	32
70	Reactive adsorption for the selective dehydration of sugars to furans: Modeling and experiments. <i>AIChE Journal</i> , 2013, 59, 3378-3390.	3.6	32
71	Production of high-yield short-chain oligomers from cellulose <i>via</i> selective hydrolysis in molten salt hydrates and separation. <i>Green Chemistry</i> , 2019, 21, 5030-5038.	9.0	32
72	Critical Role of Tricyclic Bridges Including Neighboring Rings for Understanding Raman Spectra of Zeolites. <i>Journal of the American Chemical Society</i> , 2019, 141, 20318-20324.	13.7	32

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73	Effective C–O Bond Cleavage of Lignin $\beta$ -O-4 Model Compounds: A New RuHCl(CO)(PPh <sub>3</sub> ) <sub>3</sub> /KOH Catalytic System. <i>Catalysis Letters</i> , 2014, 144, 1159-1163.	2.6	30
74	Fabrication of hierarchical Lewis acid Sn-BEA with tunable hydrophobicity for cellulosic sugar isomerization. <i>Microporous and Mesoporous Materials</i> , 2019, 278, 387-396.	4.4	30
75	Exfoliation of two-dimensional zeolites in liquid polybutadienes. <i>Chemical Communications</i> , 2017, 53, 7011-7014.	4.1	29
76	Silica Nanoparticle Coatings by Adsorption from Lysine–Silica Nanoparticle Sols on Inorganic and Biological Surfaces. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 1617-1621.	13.8	28
77	Modelling the assembly of nanoporous silica materials. <i>International Reviews in Physical Chemistry</i> , 2015, 34, 35-70.	2.3	28
78	The essential mass transfer step in hierarchical/nano zeolite: surface diffusion. <i>National Science Review</i> , 2020, 7, 1630-1632.	9.5	28
79	One-pot hydrodeoxygenation of biomass furan derivatives into decane under mild conditions over Pd/C combined with phosphotungstic acid. <i>Green Chemistry</i> , 2020, 22, 2889-2900.	9.0	27
80	Adsorption-enhanced hydrolysis of glucan oligomers into glucose over sulfonated three-dimensionally ordered mesoporous carbon catalysts. <i>Green Chemistry</i> , 2016, 18, 6637-6647.	9.0	25
81	Inhibition of Xylene Isomerization in the Production of Renewable Aromatic Chemicals from Biomass-Derived Furans. <i>ACS Catalysis</i> , 2016, 6, 2076-2088.	11.2	25
82	Selective Production of Aromatics by Catalytic Fast Pyrolysis of Furan with In Situ Dehydrogenation of Propane. <i>ACS Catalysis</i> , 2019, 9, 2626-2632.	11.2	25
83	A Review of Biorefinery Separations for Bioproduct Production via Thermocatalytic Processing. <i>Annual Review of Chemical and Biomolecular Engineering</i> , 2017, 8, 115-137.	6.8	24
84	Synthesis of a Three-Dimensional Cubic Mesoporous Silica Monolith Employing an Organic Additive through an Evaporation-Induced Self-Assembly Process. <i>Langmuir</i> , 2006, 22, 6391-6397.	3.5	23
85	Binding of the Fibronectin-Mimetic Peptide, PR_b, to $\alpha$ 5 $\beta$ 1 on Pig Islet Cells Increases Fibronectin Production and Facilitates Internalization of PR_b Functionalized Liposomes. <i>Langmuir</i> , 2010, 26, 14081-14088.	3.5	23
86	An examination of alkali-exchanged BEA zeolites as possible Lewis-acid catalysts. <i>Microporous and Mesoporous Materials</i> , 2016, 225, 472-481.	4.4	23
87	A New Organically Templated Zinc Phosphite Synthesized in Phosphorous Acid Flux and Its Hydrothermal Analogue. <i>Crystal Growth and Design</i> , 2006, 6, 2435-2437.	3.0	22
88	Effects of silicon sources on the formation of nanosized LTA: An in situ small angle X-ray scattering and wide angle X-ray scattering study. <i>Microporous and Mesoporous Materials</i> , 2007, 101, 134-141.	4.4	22
89	Silica Nanoparticle Mass Transfer Fins for MFI Composite Materials. <i>Chemistry of Materials</i> , 2018, 30, 2353-2361.	6.7	22
90	Bimodal Mesoporous Carbon Spheres with Small and Ultra-Large Pores Fabricated Using Amphiphilic Brush Block Copolymer Micelle Templates. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 57322-57329.	8.0	22

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91	Changes in the medium-range order during crystallization of aluminosilicate zeolites characterized by high-energy X-ray diffraction technique. <i>Journal of the Ceramic Society of Japan</i> , 2009, 117, 277-282.	1.1	20
92	Ethanol Dehydration to Ethylene in a Stratified Autothermal Millisecond Reactor. <i>ChemSusChem</i> , 2011, 4, 1151-1156.	6.8	19
93	Highly effective antibacterial activity by the synergistic effect of three dimensional ordered mesoporous carbon-lysozyme composite. <i>Journal of Colloid and Interface Science</i> , 2017, 503, 131-141.	9.4	19
94	A novel layered bimetallic phosphite intercalating with organic amines: Synthesis and characterization of $\text{Co}(\text{H}_2\text{O})_4\text{Zn}_4(\text{HPO}_3)_6 \cdot \text{C}_2\text{N}_2\text{H}_{10}$ . <i>Journal of Solid State Chemistry</i> , 2006, 179, 723-728.	2.9	18
95	Template-Free Ordered Mesoporous Silicas by Binary Nanoparticle Assembly. <i>Langmuir</i> , 2014, 30, 11802-11811.	3.5	18
96	The Hydrothermal Synthesis and Crystal Structure of $(\text{H}_2\text{O})[\text{Ge}_5\text{O}_{10}]$ and $[(\text{CH}_3)_4\text{N}][\text{Ge}_{10}\text{O}_{20}\text{OH}]$ , Two Novel Porous Germanates. <i>Chemistry Letters</i> , 2004, 33, 74-75.	1.3	17
97	P-Site Structural Diversity and Evolution in a Zeosil Catalyst. <i>Journal of the American Chemical Society</i> , 2021, 143, 1968-1983.	13.7	17
98	Versatile Fabrication of Distorted Cubic Mesoporous Silica Film Using CTAB Together with a Hydrophobic Organic Additive. <i>Journal of Physical Chemistry B</i> , 2006, 110, 9751-9754.	2.6	16
99	One-Step Synthesis of Hierarchical, Bimodal Nanoporous Carbons via Co-templating with Bottlebrush and Linear Block Copolymers. <i>Chemistry of Materials</i> , 2020, 32, 6055-6061.	6.7	16
100	Effects of the Framework and Mesoporosity on the Catalytic Activity of Hierarchical Zeolite Catalysts in Benzyl Alcohol Conversion. <i>ChemCatChem</i> , 2016, 8, 2406-2414.	3.7	15
101	Separation of short-chain glucan oligomers from molten salt hydrate and hydrolysis to glucose. <i>Green Chemistry</i> , 2021, 23, 4114-4124.	9.0	15
102	A New, Yet Familiar, Lamellar Zeolite. <i>ChemCatChem</i> , 2010, 2, 246-248.	3.7	14
103	Role of Silica Support in Phosphoric Acid Catalyzed Production of <i>p</i> -Xylene from 2,5-Dimethylfuran and Ethylene. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 22049-22056.	3.7	14
104	Tuning solid catalysts to control regioselectivity in cross aldol condensations with unsymmetrical ketones for biomass conversion. <i>Molecular Catalysis</i> , 2018, 458, 247-260.	2.0	12
105	Broadening the Scope for Fluoride-Free Synthesis of Siliceous Zeolites. <i>Angewandte Chemie</i> , 2018, 130, 3669-3673.	2.0	12
106	Adsorptive Nature of Surface Barriers in MFI Nanocrystals. <i>Langmuir</i> , 2019, 35, 12407-12417.	3.5	12
107	Adsorption-Enhanced Glucan Oligomer Production from Cellulose Hydrolysis over Hyper-Cross-Linked Polymer in Molten Salt Hydrate. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 52082-52091.	8.0	12
108	Beyond biodegradation: Chemical upcycling of poly(lactic acid) plastic waste to methyl lactate catalyzed by quaternary ammonium fluoride. <i>Journal of Catalysis</i> , 2021, 402, 61-71.	6.2	12



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109	Tuning the adsorption and separation properties of noble gases and N <sub>2</sub> in CuBTC by ligand functionalization. <i>RSC Advances</i> , 2016, 6, 91093-91101.	3.6	11
110	Intermediate-range Order in Mesoporous Silicas Investigated by a High-energy X-ray Diffraction Technique. <i>Chemistry Letters</i> , 2008, 37, 30-31.	1.3	10
111	Exfoliation of surfactant swollen layered MWW zeolites into two-dimensional zeolite nanosheets using telechelic liquid polybutadiene. <i>Microporous and Mesoporous Materials</i> , 2021, 315, 110883.	4.4	10
112	[Ge <sub>9</sub> O <sub>14</sub> (OH) <sub>12</sub> ](C <sub>6</sub> N <sub>2</sub> H <sub>16</sub> ) <sub>2</sub> ·½H <sub>2</sub> O: A Novel Germanate with Ge <sub>2</sub> O Helical Chains Formed by Hydrothermal Synthesis that Can Separate trans and cis Isomers in Situ. <i>European Journal of Inorganic Chemistry</i> , 2004, 2004, 4547-4549.	2.0	9
113	Crystal structures and spectroscopic properties of a new zinc phosphite cluster and an unexpected chainlike zinc phosphate obtained by hydrothermal reactions. <i>Journal of Solid State Chemistry</i> , 2007, 180, 981-987.	2.9	8
114	Identifying Order and Disorder in Double Four-Membered Rings via Raman Spectroscopy during Crystallization of LTA Zeolite. <i>Chemistry of Materials</i> , 2021, 33, 6794-6803.	6.7	8
115	A novel method for the preparation of Ru(bpy) <sub>3</sub> <sup>2+</sup> -doped silica nanoparticles. <i>Materials Letters</i> , 2013, 92, 17-20.	2.6	6
116	Titration Controlled Defects into Si-LTA Zeolite Crystals Using Multiple Organic Structure-Directing Agents. <i>Chemistry of Materials</i> , 2022, 34, 1789-1799.	6.7	6
117	Reactive Liftoff of Crystalline Cellulose Particles. <i>Scientific Reports</i> , 2015, 5, 11238.	3.3	5
118	Intraparticle Diffusional versus Site Effects on Reaction Pathways in Liquid-Phase Cross Aldol Reactions. <i>ChemPhysChem</i> , 2018, 19, 386-401.	2.1	5
119	Synthesis and Characterization of a New Three-dimensional Organically Templated Nickel-Zinc Phosphate. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2006, 632, 465-468.	1.2	2
120	Phase transformation in mesoporous silica films induced by the degradation of organic moiety. <i>Journal of Porous Materials</i> , 2006, 13, 303-306.	2.6	2
121	Role of heteroatoms in precursor formation of zeolites. <i>Studies in Surface Science and Catalysis</i> , 2007, 170, 506-511.	1.5	2
122	Hollow cubic silica shells and assembled porous coatings. <i>Scripta Materialia</i> , 2010, 62, 504-507.	5.2	2
123	Enabling Lithium Metal Anode in Nonflammable Phosphate Electrolyte with Electrochemically Induced Chemical Reactions. <i>Angewandte Chemie</i> , 2021, 133, 19332-19339.	2.0	1
124	Monte carlo simulations and experiments of all-silica zeolite LTA assembly combining structure directing agents that match cage sizes. <i>Physical Chemistry Chemical Physics</i> , 2021, 24, 142-148.	2.8	1
125	Improving Yields and Catalyst Reuse for Palmitic Acid Aromatization in the Presence of Pressurized Water. <i>ACS Sustainable Chemistry and Engineering</i> , 0, , .	6.7	1
126	The Hydrothermal Synthesis and Crystal Structure of (H <sub>2</sub> O)[Ge <sub>5</sub> O <sub>10</sub> ] and [(CH <sub>3</sub> ) <sub>4</sub> N][Ge <sub>10</sub> O <sub>20</sub> (OH)], Two Novel Porous Germanates.. <i>ChemInform</i> , 2004, 35, no.	0.0	0



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127	Inside Cover: Nanoscale Reactor Engineering: Hydrothermal Synthesis of Uniform Zeolite Particles in Massively Parallel Reaction Chambers ( <i>Angew. Chem. Int. Ed.</i> 47/2008). <i>Angewandte Chemie - International Edition</i> , 2008, 47, 8970-8970.	13.8	0
128	Innentitelbild: Nanoscale Reactor Engineering: Hydrothermal Synthesis of Uniform Zeolite Particles in Massively Parallel Reaction Chambers ( <i>Angew. Chem.</i> 47/2008). <i>Angewandte Chemie</i> , 2008, 120, 9106-9106.	2.0	0
129	Rücktitelbild: Broadening the Scope for Fluoride-Free Synthesis of Siliceous Zeolites ( <i>Angew. Chem.</i> ) Tj ETQq1 1,0.784314 rgBT /C	2.0	0
130	Innentitelbild: Enabling Lithium Metal Anode in Nonflammable Phosphate Electrolyte with Electrochemically Induced Chemical Reactions ( <i>Angew. Chem.</i> 35/2021). <i>Angewandte Chemie</i> , 2021, 133, 19042-19042.	2.0	0