Haihong Wu

List of Publications by Year
in descending order

257 papers	10,638 citations	31976 53 h-index	49909 87 g-index
260 all docs	260 docs citations	260 times ranked	7426 citing authors

#	Article	IF	Citations
1	Facile Large-Scale Synthesis of Monodisperse Mesoporous Silica Nanospheres with Tunable Pore Structure. Journal of the American Chemical Society, 2013, 135, 2427-2430.	13.7	439
2	A Novel Titanosilicate with MWW Structure. I. Hydrothermal Synthesis, Elimination of Extraframework Titanium, and Characterizations. Journal of Physical Chemistry B, 2001, 105, 2897-2905.	2.6	328
3	Synthesis, Crystallization Mechanism, and Catalytic Properties of Titanium-Rich TS-1 Free of Extraframework Titanium Species. Journal of the American Chemical Society, 2008, 130, 10150-10164.	13.7	326
4	A Novel Titanosilicate with MWW Structure: II. Catalytic Properties in the Selective Oxidation of Alkenes. Journal of Catalysis, 2001, 202, 245-255.	6.2	239
5	Photoemission Mechanism of Water-Soluble Silver Nanoclusters: Ligand-to-Metalâ€“Metal Charge Transfer vs Strong Coupling between Surface Plasmon and Emitters. Journal of the American Chemical Society, 2014, 136, 1686-1689.	13.7	224
6	Highly Efficient Electroreduction of CO₂ to Methanol on Palladiumâ€“Copper Bimetallic Aerogels. Angewandte Chemie - International Edition, 2018, 57, 14149-14153.	13.8	222
7	Methodology for Synthesizing Crystalline Metallosilicates with Expanded Pore Windows Through Molecular Alkoxysilylation of Zeolitic Lamellar Precursors. Journal of the American Chemical Society, 2008, 130, 8178-8187.	13.7	216
8	Postsynthesis, Characterization, and Catalytic Properties in Alkene Epoxidation of Hydrothermally Stable Mesoporous Ti-SBA-15. Chemistry of Materials, 2002, 14, 1657-1664.	6.7	211
9	A Titanosilicate That Is Structurally Analogous to an MWW-Type Lamellar Precursor. Angewandte Chemie - International Edition, 2004, 43, 236-240.	13.8	162
10	Acid strength controlled reaction pathways for the catalytic cracking of 1-butene to propene over ZSM-5. Journal of Catalysis, 2014, 309, 136-145.	6.2	145
11	A highly ordered mesoporous polymer supported imidazolium-based ionic liquid: an efficient catalyst for cycloaddition of CO₂ with epoxides to produce cyclic carbonates. Green Chemistry, 2014, 16, 4767-4774.	9.0	144
12	Unique solvent effect of microporous crystalline titanosilicates in the oxidation of 1-hexene and cyclohexene. Journal of Catalysis, 2008, 256, 62-73.	6.2	142
13	Delamination of Ti-MWW and High Efficiency in Epoxidation of Alkenes with Various Molecular Sizes. Journal of Physical Chemistry B, 2004, 108, 19126-19131.	2.6	140
14	Facile Synthesis of Size Controllable Dendritic Mesoporous Silica Nanoparticles. ACS Applied Materials & Interfaces, 2014, 6, 22655-22665.	8.0	138
15	Origin of the Photoluminescence of Metal Nanoclusters: From Metal-Centered Emission to Ligand-Centered Emission. Nanomaterials, 2020, 10, 261.	4.1	137
16	Characterization of Titanium Species Incorporated into Dealuminated Mordenites by Means of IR Spectroscopy and 18O-Exchange Technique. The Journal of Physical Chemistry, 1996, 100, 10316-10322.	2.9	123
17	Catalysts in Coronas: A Surface Spatial Confinement Strategy for High-Performance Catalysts in Methane Dry Reforming. ACS Catalysis, 2019, 9, 9072-9080.	11.2	121
18	Ammoximation of Ketones over Titanium Mordenite. Journal of Catalysis, 1997, 168, 400-411.	6.2	113

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19	Construction of unique six-coordinated titanium species with an organic amine ligand in titanosilicate and their unprecedented high efficiency for alkene epoxidation. Chemical Communications, 2015, 51, 9010-9013.	4.1	107
20	Preparation of B-free Ti-MWW through reversible structural conversion. Chemical Communications, 2002, , 1026-1027.	4.1	103
21	Multilayer structured MFI-type titanosilicate: Synthesis and catalytic properties in selective epoxidation of bulky molecules. Journal of Catalysis, 2012, 288, 16-23.	6.2	98
22	IR and MAS NMR Studies on the Incorporation of Aluminum Atoms into Defect Sites of Dealuminated Mordenites. The Journal of Physical Chemistry, 1995, 99, 10923-10931.	2.9	96
23	Core/shell-structured TS-1@mesoporous silica-supported Au nanoparticles for selective epoxidation of propylene with H2 and O2. Journal of Materials Chemistry, 2011, 21, 10852.	6.7	88
24	Self-Assembly of Cetyltrimethylammonium Bromide and Lamellar Zeolite Precursor for the Preparation of Hierarchical MWW Zeolite. Chemistry of Materials, 2016, 28, 4512-4521.	6.7	88
25	Sn-Beta zeolite hydrothermally synthesized via interzeolite transformation as efficient Lewis acid catalyst. Journal of Catalysis, 2017, 352, 1-12.	6.2	88
26	One-pot synthesis of layered mesoporous ZSM-5 plus Cu ion-exchange: Enhanced NH3-SCR performance on Cu-ZSM-5 with hierarchical pore structures. Journal of Hazardous Materials, 2020, 385, 121593.	12.4	87
27	Hydrothermal Synthesis of a Novel Titanosilicate with MWW Topology. Chemistry Letters, 2000, 29, 774-775.	1.3	86
28	Postâ€Synthesis Treatment gives Highly Stable Siliceous Zeolites through the Isomorphous Substitution of Silicon for Germanium in Germanosilicates. Angewandte Chemie - International Edition, 2014, 53, 1355-1359.	13.8	83
29	Interfacial Clustering-Triggered Fluorescenceâ€"Phosphorescence Dual Solvoluminescence of Metal Nanoclusters. Journal of Physical Chemistry Letters, 2017, 8, 3980-3985.	4.6	79
30	Novel shielding and synergy effects of Mn-Ce oxides confined in mesoporous zeolite for low temperature selective catalytic reduction of NOx with enhanced SO2/H2O tolerance. Journal of Hazardous Materials, 2020, 396, 122592.	12.4	79
31	Hydrophobic Nanosized All-Silica Beta Zeolite: Efficient Synthesis and Adsorption Application. ACS Applied Materials & Interfaces, 2017, 9, 27273-27283.	8.0	77
32	Structure Elucidation of the Highly Active Titanosilicate Catalyst Ti-YNU-1. Angewandte Chemie - International Edition, 2005, 44, 6719-6723.	13.8	73
33	Hydroxylation of Aromatics with Hydrogen Peroxide over Titanosilicates with MOR and MFI Structures:Â Effect of Ti Peroxo Species on the Diffusion and Hydroxylation Activity. Journal of Physical Chemistry B, 1998, 102, 9297-9303.	2.6	71
34	Selective hydrogenation of cinnamaldehyde with PtFe /Al2O3@SBA-15 catalyst: Enhancement in activity and selectivity to unsaturated alcohol by Pt-FeO and Pt-Al2O3@SBA-15 interaction. Journal of Catalysis, 2017, 354, 24-36.	6.2	71
35	Structural Characterization of Interlayer Expanded Zeolite Prepared From Ferrierite Lamellar Precursor. Chemistry of Materials, 2009, 21, 2904-2911.	6.7	70
36	Postsynthesis of mesoporous MOR-type titanosilicate and its unique catalytic properties in liquid-phase oxidations. Journal of Catalysis, 2011, 281, 263-272.	6.2	70

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37	A novel titanosilicate with MWW structureCatalytic properties in selective epoxidation of diallyl ether with hydrogen peroxide. Journal of Catalysis, 2004, 228, 183-191.	6.2	68
38	Uniquetrans-Selectivity of Ti-MWW in Epoxidation ofcis/trans-Alkenes with Hydrogen Peroxide. Journal of Physical Chemistry B, 2002, 106, 748-753.	2.6	67
39	Pt nanoparticles supported on highly dispersed TiO2 coated on SBA-15 as an efficient and recyclable catalyst for liquid-phase hydrogenation. Journal of Catalysis, 2013, 300, 9-19.	6.2	67
40	A Hierarchical MFI Zeolite with a Twoâ€Đimensional Square Mesostructure. Angewandte Chemie - International Edition, 2018, 57, 724-728.	13.8	67
41	Post-transformation of MWW-type lamellar precursors into MCM-56 analogues. Microporous and Mesoporous Materials, 2008, 113, 435-444.	4.4	66
42	Postsynthesis of mesoporous ZSM-5 zeolite by piperidine-assisted desilication and its superior catalytic properties in hydrocarbon cracking. Journal of Materials Chemistry A, 2015, 3, 3511-3521.	10.3	65
43	Preparation of active and robust palladium nanoparticle catalysts stabilized by diamine-functionalized mesoporous polymers. Chemical Communications, 2008, , 6297.	4.1	64
44	Bifunctional Tandem Catalysis on Multilamellar Organicâ€“Inorganic Hybrid Zeolites. ACS Catalysis, 2014, 4, 2959-2968.	11.2	64
45	Total Hydrogenation of Furfural over Pd/Al₂O₃ and Ru/ZrO₂ Mixture under Mild Conditions: Essential Role of Tetrahydrofurfural as an Intermediate and Support Effect. ACS Sustainable Chemistry and Engineering, 2018, 6, 6957-6964.	6.7	63
46	Hierarchical zeolite enveloping Pd-CeO2 nanowires: An efficient adsorption/catalysis bifunctional catalyst for low temperature propane total degradation. Chemical Engineering Journal, 2020, 393, 124717.	12.7	62
47	Alkoxysilylation of Ti-MWW lamellar precursors into interlayer pore-expanded titanosilicates. Journal of Materials Chemistry, 2009, 19, 8594.	6.7	59
48	One-pot synthesis of 5-hydroxymethylfurfural from glucose using bifunctional [Sn,Al]-Beta catalysts. Chinese Journal of Catalysis, 2015, 36, 820-828.	14.0	59
49	A dual-templating strategy for the scale-up synthesis of dendritic mesoporous silica nanospheres. Green Chemistry, 2017, 19, 5575-5581.	9.0	58
50	Environmental benign synthesis of Nano-SSZ-13 via FAU trans-crystallization: Enhanced NH3-SCR performance on Cu-SSZ-13 with nano-size effect. Journal of Hazardous Materials, 2020, 398, 122986.	12.4	58
51	An investigation into cyclohexanone ammoximation over Ti-MWW in a continuous slurry reactor. Applied Catalysis A: General, 2011, 394, 1-8.	4.3	57
52	Active and stable Pt-Ceria nanowires@silica shell catalyst: Design, formation mechanism and total oxidation of CO and toluene. Applied Catalysis B: Environmental, 2019, 256, 117807.	20.2	57
53	Post-synthesis, characterization and catalytic properties of fluorine-planted MWW-type titanosilicate. Physical Chemistry Chemical Physics, 2013, 15, 4930.	2.8	55
54	Postsynthesis of FAU-type stannosilicate as efficient heterogeneous catalyst for Baeyer-Villiger oxidation. Applied Catalysis A: General, 2016, 519, 155-164.	4.3	55

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55	One-pot synthesis of ethylene glycol by oxidative hydration of ethylene with hydrogen peroxide over titanosilicate catalysts. Journal of Catalysis, 2018, 358, 89-99.	6.2	55
56	Mesopolymer solid base catalysts with variable basicity: preparation and catalytic properties. Journal of Materials Chemistry, 2009, 19, 4004.	6.7	54
57	Intra-crystalline mesoporous zeolite encapsulation-derived thermally robust metal nanocatalyst in deep oxidation of light alkanes. Nature Communications, 2022, 13, 295.	12.8	54
58	Synthesis of ZSM-5 zeolite hollow spheres with a core/shell structure. Journal of Materials Chemistry, 2010, 20, 10193.	6.7	53
59	Pt nanoparticles entrapped in ordered mesoporous carbon for enantioselective hydrogenation. Journal of Molecular Catalysis A, 2011, 345, 81-89.	4.8	53
60	Highly selective synthesis of methyl ethyl ketone oxime through ammoximation over Ti-MWW. Applied Catalysis A: General, 2007, 327, 22-31.	4.3	52
61	Distinctions of hydroxylamine formation and decomposition in cyclohexanone ammoximation over microporous titanosilicates. Journal of Catalysis, 2014, 309, 1-10.	6.2	51
62	Topotactic Conversion of Alkaliâ€Treated Intergrown Germanosilicate CITâ€13 into Singleâ€Crystalline ECNUâ€21 Zeolite as Shapeâ€Selective Catalyst for Ethylene Oxide Hydration. Chemistry - A European Journal, 2019, 25, 4520-4529.	3.3	51
63	Extremely high trans selectivity of Ti-MWW in epoxidation of alkenes with hydrogen peroxide. Chemical Communications, 2001, , 897-898.	4.1	50
64	Fluorine-planted titanosilicate with enhanced catalytic activity in alkene epoxidation with hydrogen peroxide. Catalysis Science and Technology, 2012, 2, 2433.	4.1	50
65	Oxidative Desulfurization of Aromatic Sulfur Compounds over Titanosilicates. ChemCatChem, 2010, 2, 459-466.	3.7	49
66	Direct synthesis of ordered imidazolyl-functionalized mesoporous polymers for efficient chemical fixation of CO₂. Chemical Communications, 2015, 51, 682-684.	4.1	49
67	Facile synthesis of furfuryl ethyl ether in high yield <i>via</i> the reductive etherification of furfural in ethanol over Pd/C under mild conditions. Green Chemistry, 2018, 20, 2110-2117.	9.0	47
68	Fast synthesis of hierarchical Beta zeolites with uniform nanocrystals from layered silicate precursor. Microporous and Mesoporous Materials, 2017, 248, 30-39.	4.4	46
69	Efficient liquid-phase hydrogenation of cinnamaldehyde to cinnamyl alcohol with a robust PtFe/HPZSM-5 catalyst. Journal of Catalysis, 2020, 382, 1-12.	6.2	46
70	High Ethylene Selectivity in Methanolâ€toâ€Olefin (MTO) Reaction over MORâ€Zeolite Nanosheets. Angewandte Chemie - International Edition, 2020, 59, 6258-6262.	13.8	46
71	Efficient Ptâ€“FeO_x/TiO₂@SBA-15 catalysts for selective hydrogenation of cinnamaldehyde to cinnamyl alcohol. Catalysis Science and Technology, 2017, 7, 6112-6123.	4.1	45
72	Synthesis of Ti-MWW by a dry-gel conversion method. Catalysis Today, 2005, 99, 233-240.	4.4	44

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73	Diversity of layered zeolites: from synthesis to structural modifications. New Journal of Chemistry, 2016, 40, 3968-3981.	2.8	44
74	Hierarchical three-dimensionally ordered macroporous Fe-V binary metal oxide catalyst for low temperature selective catalytic reduction of NOx from marine diesel engine exhaust. Applied Catalysis B: Environmental, 2020, 268, 118455.	20.2	44
75	Selective synthesis of ethylene oxide through liquid-phase epoxidation of ethylene with titanosilicate/H2O2 catalytic systems. Applied Catalysis A: General, 2016, 515, 51-59.	4.3	43
76	New progress in zeolite synthesis and catalysis. National Science Review, 2022, 9, .	9.5	43
77	In Situ Embedded Pseudo Pdâ€“Sn Solid Solution in Micropores Silica with Remarkable Catalytic Performance for CO and Propane Oxidation. ACS Applied Materials & Interfaces, 2018, 10, 9220-9224.	8.0	42
78	A Career in Catalysis: Takashi Tatsumi. ACS Catalysis, 2014, 4, 23-30.	11.2	41
79	One-pot synthesized hierarchical zeolite supported metal nanoparticles for highly efficient biomass conversion. Chemical Communications, 2015, 51, 15102-15105.	4.1	41
80	Hydrothermal synthesis of MWW-type stannosilicate and its post-structural transformation to MCM-56 analogue. Microporous and Mesoporous Materials, 2013, 165, 210-218.	4.4	40
81	Ru Nanoparticles Entrapped in Mesopolymers for Efficient Liquid-phase Hydrogenation of Unsaturated Compounds. Catalysis Letters, 2009, 133, 63-69.	2.6	39
82	Hierarchical, coreâ€“shell meso-ZSM-5@mesoporous aluminosilicate-supported Pt nanoparticles for bifunctional hydrocracking. Journal of Materials Chemistry A, 2014, 2, 15535-15545.	10.3	39
83	Pt nanoparticles entrapped in mesoporous metalâ€“organic frameworks MIL-101 as an efficient catalyst for liquid-phase hydrogenation of benzaldehydes and nitrobenzenes. Journal of Molecular Catalysis A, 2015, 399, 1-9.	4.8	39
84	Efficient electrocatalytic reduction of carbon dioxide to ethylene on copperâ€“antimony bimetallic alloy catalyst. Chinese Journal of Catalysis, 2020, 41, 1091-1098.	14.0	39
85	Influences of fluorine implantation on catalytic performance and porosity of MOR-type titanosilicate. Journal of Catalysis, 2014, 320, 160-169.	6.2	38
86	Highly Selective Oxidation of Ethyl Lactate to Ethyl Pyruvate Catalyzed by Mesoporous Vanadiaâ€“Titania. ACS Catalysis, 2018, 8, 2365-2374.	11.2	38
87	Preparation of Interlayer-Expanded Zeolite from Lamellar Precursor Nu-6(1) by Silylation. Chemistry of Materials, 2013, 25, 4710-4718.	6.7	37
88	Cost-effective fast-synthesis of chabazite zeolites for the reduction of NOx. Applied Catalysis B: Environmental, 2021, 292, 120163.	20.2	37
89	Intergrown Zeolite MWW Polymorphs Prepared by the Rapid Dissolutionâ€“Recrystallization Route. Chemistry of Materials, 2015, 27, 7852-7860.	6.7	36
90	Sn-doped Pt catalyst supported on hierarchical porous ZSM-5 for the liquid-phase hydrogenation of cinnamaldehyde. Catalysis Science and Technology, 2019, 9, 3226-3237.	4.1	36

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91	Skeleton-Sn anchoring isolated Pt site to confine subnanometric clusters within *BEA topology. Journal of Catalysis, 2021, 397, 44-57.	6.2	36
92	Design and Synthesis of Cu/ZSM-5 Catalyst via a Facile One-Pot Dual-Template Strategy with Controllable Cu Content for Removal of NO_{<i>x</i>}. Industrial & Engineering Chemistry Research, 2018, 57, 14967-14976.	3.7	35
93	Selective hydrogenation of cinnamaldehyde with Ni Fe1-Al2O4+ composite oxides supported Pt catalysts: C O versus C C selectivity switch by varying the Ni/Fe molar ratios. Journal of Catalysis, 2021, 393, 126-139.	6.2	35
94	Preparation of hierarchical MWW-type titanosilicate by interlayer silylation with dimeric silane. Microporous and Mesoporous Materials, 2014, 189, 41-48.	4.4	34
95	An insight into crystal morphology-dependent catalytic properties of MOR-type titanosilicate in liquid-phase selective oxidation. Journal of Catalysis, 2015, 325, 101-110.	6.2	34
96	Structural reconstruction: a milestone in the hydrothermal synthesis of highly active Sn-Beta zeolites. Chemical Communications, 2017, 53, 12516-12519.	4.1	34
97	Relation of Selective Oxidation Catalytic Performance to Microenvironment of Ti^{IV} Active Site Based on Isotopic Labeling. ACS Catalysis, 2020, 10, 4813-4819.	11.2	34
98	Mechanism of Photoluminescence in Ag Nanoclusters: Metal-Centered Emission versus Synergistic Effect in Ligand-Centered Emission. Journal of Physical Chemistry C, 2019, 123, 18638-18645.	3.1	33
99	Pt nanoparticles supported on YCo_xFe_{1âˆ’x}O₃ perovskite oxides: highly efficient catalysts for liquid-phase hydrogenation of cinnamaldehyde. Chemical Communications, 2019, 55, 3363-3366.	4.1	33
100	Intensified interzeolite transformation: ultrafast synthesis of active and stable Ti-Beta zeolites without solvents. Chemical Communications, 2019, 55, 14279-14282.	4.1	33
101	Efficient synthesis of methanol and ethylene glycol <i>via</i> the hydrogenation of CO₂-derived ethylene carbonate on Cu/SiO₂ catalysts with balanced Cu⁺â€“Cu⁰ sites. Catalysis Science and Technology, 2020, 10, 5149-5162.	4.1	33
102	High Ethylene Selectivity in Methanolâ€toâ€Olefin (MTO) Reaction over MORâ€Zeolite Nanosheets. Angewandte Chemie, 2020, 132, 6317-6321.	2.0	33
103	Hydrothermal synthesis of high-silica mordenite by dual-templating method. Microporous and Mesoporous Materials, 2011, 145, 80-86.	4.4	32
104	Strong or weak acid, which is more efficient for Beckmann rearrangement reaction over solid acid catalysts?. Catalysis Science and Technology, 2015, 5, 3675-3681.	4.1	32
105	A hierarchically core/shell-structured titanosilicate with multiple mesopore systems for highly efficient epoxidation of alkenes. Chemical Communications, 2015, 51, 14905-14908.	4.1	32
106	Isomorphous Incorporation of Tin Ions into Germanosilicate Framework Assisted by Local Structural Rearrangement. ACS Catalysis, 2016, 6, 8420-8431.	11.2	32
107	Controllable hydrothermal synthesis of Ni/H-BEA with a hierarchical coreâ€“shell structure and highly enhanced biomass hydrodeoxygenation performance. Nanoscale, 2017, 9, 5986-5995.	5.6	32
108	Pore size-tunable titanosilicates post-synthesized from germanosilicate by structural reorganization and H2TiF6-assisted isomorphous substitution. Applied Catalysis A: General, 2018, 550, 11-19.	4.3	32

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109	Co Fe1-Al2O4+ composite oxides supported Pt nanoparticles as efficient and recyclable catalysts for the liquid-phase selective hydrogenation of cinnamaldehyde. Journal of Catalysis, 2019, 380, 254-266.	6.2	32
110	Influence of Fluorine on the Catalytic Performance of Tiâˆ'Beta Zeolite. Journal of Physical Chemistry B, 2004, 108, 4242-4244.	2.6	31
111	Amphiphilic Titanosilicates as Pickering Interfacial Catalysts for Liquid-Phase Oxidation Reactions. Journal of Physical Chemistry C, 2015, 119, 25377-25384.	3.1	31
112	Understanding the oxidative dehydrogenation of ethyl lactate to ethyl pyruvate over vanadia/titania. Catalysis Science and Technology, 2018, 8, 3737-3747.	4.1	31
113	One-pot synthesized core/shell structured zeolite@copper catalysts for selective hydrogenation of ethylene carbonate to methanol and ethylene glycol. Green Chemistry, 2019, 21, 5414-5426.	9.0	31
114	Selective synthesis of dimethyl ketone oxime through ammoximation over Ti-MOR catalyst. Applied Catalysis A: General, 2014, 488, 86-95.	4.3	30
115	Electrodeposited Cuâ€"Pd bimetallic catalysts for the selective electroreduction of CO₂ to ethylene. Green Chemistry, 2020, 22, 7560-7565.	9.0	30
116	Mesostructured polymer-supported diphenylphosphineâ€"palladium complex: An efficient and recyclable catalyst for Heck reactions. Catalysis Communications, 2009, 10, 1099-1102.	3.3	29
117	Synthesis of coreâ€"shell structured TS-1@mesocarbon materials and their applications as a tandem catalyst. Journal of Materials Chemistry, 2012, 22, 14219.	6.7	29
118	Clean synthesis of acetaldehyde oxime through ammoximation on titanosilicate catalysts. Catalysis Science and Technology, 2013, 3, 2587.	4.1	29
119	Post-synthesis and adsorption properties of interlayer-expanded PLS-4 zeolite. Microporous and Mesoporous Materials, 2013, 169, 88-96.	4.4	29
120	Clean synthesis of furfural oxime through liquid-phase ammoximation of furfural over titanosilicate catalysts. Green Chemistry, 2017, 19, 4871-4878.	9.0	29
121	Eco-Friendly and Cost-Effective Synthesis of ZSM-5 Aggregates with Hierarchical Porosity. Industrial & Engineering Chemistry Research, 2017, 56, 13535-13542.	3.7	29
122	Cuâ€"Mgâ€"Zr/SiO₂ catalyst for the selective hydrogenation of ethylene carbonate to methanol and ethylene glycol. Catalysis Science and Technology, 2018, 8, 2624-2635.	4.1	29
123	Synthesis of Extraâ€Largeâ€Pore Zeolite ECNUâ€9 with Intersecting 14*12â€Ring Channels. Angewandte Chemie - International Edition, 2018, 57, 9515-9519.	13.8	29
124	Postsynthesis and Effective Baeyerâ€"Villiger Oxidation Properties of Hierarchical FAU-type Stannosilicate. Journal of Physical Chemistry C, 2016, 120, 23613-23624.	3.1	28
125	Enhancing ethylene epoxidation of a MWW-type titanosilicate/H2O2 catalytic system by fluorine implanting. Catalysis Science and Technology, 2017, 7, 2624-2631.	4.1	28
126	Simple CTAB surfactant-assisted hierarchical lamellar MWW titanosilicate: a high-performance catalyst for selective oxidations involving bulky substrates. Catalysis Science and Technology, 2017, 7, 2874-2885.	4.1	28

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127	Hierarchical ZSM-5 nanocrystal aggregates: seed-induced green synthesis and its application in alkylation of phenol with <i>tert</i>-butanol. RSC Advances, 2018, 8, 2751-2758.	3.6	28
128	One-pot co-condensation strategy for dendritic mesoporous organosilica nanospheres with fine size and morphology control. CrystEngComm, 2019, 21, 4030-4035.	2.6	27
129	Ultrafast synthesis of nanosized Ti-Beta as an efficient oxidation catalyst <i>via</i> a structural reconstruction method. Catalysis Science and Technology, 2019, 9, 1857-1866.	4.1	27
130	P band intermediate state (PBIS) tailors photoluminescence emission at confined nanoscale interface. Communications Chemistry, 2019, 2, .	4.5	27
131	3D Electron Diffraction Unravels the New Zeolite ECNUâ€23 from the â€œPureâ€•Powder Sample of ECNUâ€21. Angewandte Chemie - International Edition, 2020, 59, 1166-1170.	13.8	27
132	Effective and Reusable Pt Catalysts Supported on Periodic Mesoporous Resols for Chiral Hydrogenation. Catalysis Letters, 2008, 122, 325-329.	2.6	26
133	Synthesis of Novel Titanosilicate Catalysts by Simultaneous Isomorphous Substitution and Interlayer Expansion of Zeolitic Layered Silicates. Chemistry of Materials, 2016, 28, 5295-5303.	6.7	26
134	A novel acidâ€“base bifunctional catalyst (ZSM-5@Mg₃Si₄O₉(OH)₄) with core/shell hierarchical structure and superior activities in tandem reactions. Chemical Communications, 2016, 52, 12817-12820.	4.1	26
135	Recent Progresses in Titanosilicates. Chinese Journal of Chemistry, 2017, 35, 836-844.	4.9	26
136	Hydrothermal synthesis of mesoporous titanosilicate with the aid of amphiphilic organosilane. Journal of Porous Materials, 2010, 17, 399-408.	2.6	25
137	Deboronation-assisted construction of defective Ti(OSi)₃OH species in MWW-type titanosilicate and their enhanced catalytic performance. Catalysis Science and Technology, 2020, 10, 2905-2915.	4.1	25
138	Bimetallic Pt-Fe catalysts supported on mesoporous TS-1 microspheres for the liquid-phase selective hydrogenation of cinnamaldehyde. Journal of Catalysis, 2021, 395, 375-386.	6.2	25
139	Factors influencing the activity of SiO 2 supported bimetal Pd-Ni catalyst for hydrogenation of Î±-angelica lactone: Oxidation state, particle size, and solvents. Journal of Catalysis, 2017, 351, 10-18.	6.2	25
140	Hydrothermal synthesis of boron-free Ti-MWW with dual structure-directing agents. Studies in Surface Science and Catalysis, 2007, , 464-469.	1.5	24
141	Ru Nanoparticles Entrapped in Ordered Mesoporous Carbons: An Efficient and Reusable Catalyst for Liquid-Phase Hydrogenation. Catalysis Letters, 2014, 144, 268-277.	2.6	24
142	Direct synthesis of self-assembled ZSM-5 microsphere with controllable mesoporosity and its enhanced LDPE cracking properties. RSC Advances, 2016, 6, 38671-38679.	3.6	24
143	Pt Nanoparticles Supported on Highly Dispersed Alumina Coated inside SBAâ€15 for Enantioselective Hydrogenation. ChemCatChem, 2010, 2, 1303-1311.	3.7	23
144	Highly tunable periodic imidazole-based mesoporous polymers as cooperative catalysts for efficient carbon dioxide fixation. Catalysis Science and Technology, 2019, 9, 1030-1038.	4.1	23

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145	An amphiphilic composite material of titanosilicate@mesosilica/carbon as a Pickering catalyst. Chemical Communications, 2018, 54, 7932-7935.	4.1	22
146	Highly selective 1-pentene epoxidation over Ti-MWW with modified microenvironment of Ti active sites. Catalysis Science and Technology, 2020, 10, 6050-6064.	4.1	22
147	Continuous hydrogenation of CO2-derived ethylene carbonate to methanol and ethylene glycol at Cu-MoOx interface with a low H2/ester ratio. Journal of Catalysis, 2021, 399, 98-110.	6.2	22
148	Acidic and catalytic properties of aluminated mordenite zeolite: effect of extraframework aluminium. Journal of the Chemical Society, Faraday Transactions, 1996, 92, 861.	1.7	21
149	At room temperature in water: efficient hydrogenation of furfural to furfuryl alcohol with a Pt/SiCâ€"C catalyst. RSC Advances, 2018, 8, 37243-37253.	3.6	21
150	An efficient Cu-based catalyst for the hydrogenation of ethylene carbonate to ethylene glycol and methanol. Catalysis Science and Technology, 2019, 9, 6749-6759.	4.1	21
151	Surface Molecule Manipulated Pt/TiO₂ Catalysts for Selective Hydrogenation of Cinnamaldehyde. Journal of Physical Chemistry C, 2021, 125, 13304-13312.	3.1	21
152	Synthesis and formation mechanism of TS-1@mesosilica coreâ€"shell materials templated by triblock copolymer surfactant. Microporous and Mesoporous Materials, 2012, 153, 8-17.	4.4	20
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