

Landong Li

List of Publications by Year in descending order

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179
papers

10,555
citations

29994

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all docs

198
docs citations

198
times ranked

11486
citing authors

#	ARTICLE	IF	CITATIONS
1	Sub-10 nm rutile titanium dioxide nanoparticles for efficient visible-light-driven photocatalytic hydrogen production. <i>Nature Communications</i> , 2015, 6, 5881.	5.8	653
2	Understanding the effect of surface/bulk defects on the photocatalytic activity of TiO ₂ : anatase versus rutile. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 10978.	1.3	549
3	Tungsten Oxide Single Crystal Nanosheets for Enhanced Multichannel Solar Light Harvesting. <i>Advanced Materials</i> , 2015, 27, 1580-1586.	11.1	436
4	Improved Postsynthesis Strategy to Sn-Beta Zeolites as Lewis Acid Catalysts for the Ring-Opening Hydration of Epoxides. <i>ACS Catalysis</i> , 2014, 4, 2801-2810.	5.5	247
5	High photocatalytic activity and selectivity for nitrogen in nitrate reduction on Ag/TiO catalyst with fine silver clusters. <i>Journal of Catalysis</i> , 2005, 232, 424-431.	3.1	236
6	Nb ₂ O ₅ /TiO ₂ heterojunctions: Synthesis strategy and photocatalytic activity. <i>Applied Catalysis B: Environmental</i> , 2014, 152-153, 280-288.	10.8	207
7	Mechanisms of the Deactivation of SAPO-34 Materials with Different Crystal Sizes Applied as MTO Catalysts. <i>ACS Catalysis</i> , 2013, 3, 588-596.	5.5	198
8	Understanding the Early Stages of the Methanol-to-Olefin Conversion on H-SAPO-34. <i>ACS Catalysis</i> , 2015, 5, 317-326.	5.5	193
9	Heterostructured Ni/NiO composite as a robust catalyst for the hydrogenation of levulinic acid to γ -valerolactone. <i>Applied Catalysis B: Environmental</i> , 2017, 217, 115-124.	10.8	182
10	Hydrodeoxygenation of lignin-derived phenolic compounds over bi-functional Ru/H-Beta under mild conditions. <i>Fuel</i> , 2015, 150, 175-183.	3.4	179
11	Control of zeolite pore interior for chemoselective alkyne/olefin separations. <i>Science</i> , 2020, 368, 1002-1006.	6.0	179
12	Mesoporous Zr-Beta zeolites prepared by a post-synthetic strategy as a robust Lewis acid catalyst for the ring-opening aminolysis of epoxides. <i>Green Chemistry</i> , 2015, 17, 1744-1755.	4.6	169
13	Dynamic adsorption of volatile organic compounds on organofunctionalized SBA-15 materials. <i>Chemical Engineering Journal</i> , 2009, 149, 281-288.	6.6	166
14	Confinement in a Zeolite and Zeolite Catalysis. <i>Accounts of Chemical Research</i> , 2021, 54, 2894-2904.	7.6	159
15	Meso-Zr-Al-beta zeolite as a robust catalyst for cascade reactions in biomass valorization. <i>Applied Catalysis B: Environmental</i> , 2017, 205, 393-403.	10.8	152
16	Palladium on graphene as efficient catalyst for solvent-free aerobic oxidation of aromatic alcohols: Role of graphene support. <i>Applied Catalysis B: Environmental</i> , 2013, 136-137, 177-185.	10.8	143
17	Methanol-to-Olefin Conversion on Silicoaluminophosphate Catalysts: Effect of Brønsted Acid Sites and Framework Structures. <i>ACS Catalysis</i> , 2011, 1, 292-299.	5.5	140
18	A procedure for the preparation of Ti-Beta zeolites for catalytic epoxidation with hydrogen peroxide. <i>Green Chemistry</i> , 2014, 16, 2281-2291.	4.6	136

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19	Polyoxometalate-Based Metal-Organic Frameworks as Visible-Light-Induced Photocatalysts. <i>Inorganic Chemistry</i> , 2018, 57, 5030-5037.	1.9	130
20	Noble Metal Particles Confined in Zeolites: Synthesis, Characterization, and Applications. <i>Advanced Science</i> , 2019, 6, 1900299.	5.6	127
21	Effect of pH on DDT degradation in aqueous solution using bimetallic Ni/Fe nanoparticles. <i>Separation and Purification Technology</i> , 2009, 66, 84-89.	3.9	126
22	Atomically dispersed Pt ⁿ⁺ species as highly active sites in Pt/In ₂ O ₃ catalysts for methanol synthesis from CO ₂ hydrogenation. <i>Journal of Catalysis</i> , 2021, 394, 236-244.	3.1	124
23	Solvent-free selective photocatalytic oxidation of benzyl alcohol over modified TiO ₂ . <i>Green Chemistry</i> , 2011, 13, 3265.	4.6	119
24	Selectivity Modulation of Encapsulated Palladium Nanoparticles by Zeolite Microenvironment for Biomass Catalytic Upgrading. <i>ACS Catalysis</i> , 2018, 8, 8578-8589.	5.5	114
25	Acetylene-Selective Hydrogenation Catalyzed by Cationic Nickel Confined in Zeolite. <i>Journal of the American Chemical Society</i> , 2019, 141, 9920-9927.	6.6	112
26	Supported Pd catalysts for solvent-free benzyl alcohol selective oxidation: Effects of calcination pretreatments and reconstruction of Pd sites. <i>Applied Catalysis B: Environmental</i> , 2012, 115-116, 7-15.	10.8	109
27	Mechanistic Insights into One-Step Catalytic Conversion of Ethanol to Butadiene over Bifunctional Zn/Y/Beta Zeolite. <i>ACS Catalysis</i> , 2018, 8, 2760-2773.	5.5	109
28	Low temperature CO oxidation on Cu-Cu ₂ O/TiO ₂ catalyst prepared by photodeposition. <i>Catalysis Science and Technology</i> , 2011, 1, 601.	2.1	102
29	One-pot hydrothermal fabrication of layered Ni(OH) ₂ /g-C ₃ N ₄ nanohybrids for enhanced photocatalytic water splitting. <i>Applied Catalysis B: Environmental</i> , 2016, 194, 74-83.	10.8	102
30	Comparative Studies on Porous Material-Supported Pd Catalysts for Catalytic Oxidation of Benzene, Toluene, and Ethyl Acetate. <i>Industrial & Engineering Chemistry Research</i> , 2009, 48, 6930-6936.	1.8	101
31	Platelike MFI Crystals with Controlled Crystal Faces Aspect Ratio. <i>Journal of the American Chemical Society</i> , 2021, 143, 1993-2004.	6.6	93
32	Methane Activation and Utilization: Current Status and Future Challenges. <i>Energy Technology</i> , 2020, 8, 1900826.	1.8	92
33	Effect of n-Butanol Cofeeding on the Methanol to Aromatics Conversion over Ga-Modified Nano H-ZSM-5 and Its Mechanistic Interpretation. <i>ACS Catalysis</i> , 2018, 8, 1352-1362.	5.5	88
34	Zeolite Structural Confinement Effects Enhance One-Pot Catalytic Conversion of Ethanol to Butadiene. <i>ACS Catalysis</i> , 2017, 7, 3703-3706.	5.5	87
35	Lewis Acid Catalysis Confined in Zeolite Cages as a Strategy for Sustainable Heterogeneous Hydration of Epoxides. <i>ACS Catalysis</i> , 2016, 6, 2955-2964.	5.5	86
36	Verifying the mechanism of the ethene-to-propene conversion on zeolite H-SSZ-13. <i>Journal of Catalysis</i> , 2014, 314, 10-20.	3.1	84

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37	Oxidation of nitric oxide to nitrogen dioxide over Ru catalysts. Applied Catalysis B: Environmental, 2009, 88, 224-231.	10.8	81
38	One-pot construction of Fe/ZSM-5 zeolites for the selective catalytic reduction of nitrogen oxides by ammonia. Catalysis Science and Technology, 2017, 7, 3036-3044.	2.1	76
39	Low temperature H ₂ -SCR over platinum catalysts supported on Ti-containing MCM-41. Applied Catalysis B: Environmental, 2010, 94, 254-262.	10.8	71
40	Catalytic oxidation of NO over TiO ₂ supported platinum clusters I. Preparation, characterization and catalytic properties. Applied Catalysis B: Environmental, 2010, 93, 259-266.	10.8	70
41	A study on N ₂ O catalytic decomposition over Co/MgO catalysts. Journal of Hazardous Materials, 2009, 163, 1332-1337.	6.5	68
42	Investigation of Selective Catalytic Reduction of N ₂ O by NH ₃ over an Fe-Mordenite Catalyst: Reaction Mechanism and O ₂ Effect. ACS Catalysis, 2012, 2, 512-520.	5.5	68
43	HC-SCR reaction pathways on ion exchanged ZSM-5 catalysts. Microporous and Mesoporous Materials, 2009, 117, 450-457.	2.2	67
44	Spectroscopic Signature of Lewis Acidic Framework and Extraframework Sn Sites in Beta Zeolites. ACS Catalysis, 2020, 10, 14135-14146.	5.5	67
45	Iron-exchanged FAU zeolites: Preparation, characterization and catalytic properties for N ₂ O decomposition. Applied Catalysis A: General, 2008, 344, 131-141.	2.2	66
46	On the deactivation mechanism of zeolite catalyst in ethanol to butadiene conversion. Journal of Catalysis, 2018, 367, 7-15.	3.1	66
47	Zeolite-Encaged Isolated Platinum Ions Enable Heterolytic Dihydrogen Activation and Selective Hydrogenations. Journal of the American Chemical Society, 2021, 143, 20898-20906.	6.6	66
48	Novel CH ₄ Combustion Catalysts Derived from Cu ²⁺ /Co ²⁺ /X ³⁺ Al (X = Fe, Mn, La, Ce) Hydrotalcite-like Compounds. Energy & Fuels, 2008, 22, 2131-2137.	2.5	65
49	NO selective reduction by hydrogen over bimetallic Pd ²⁺ /Ir/TiO ₂ catalyst. Catalysis Communications, 2012, 24, 38-43.	1.6	64
50	Identification of <i>tert</i> -Butyl Cations in Zeolite H-ZSM-5: Evidence from NMR Spectroscopy and DFT Calculations. Angewandte Chemie - International Edition, 2015, 54, 8783-8786.	7.2	63
51	Water-involved methane-selective catalytic oxidation by dioxygen over copper zeolites. Chem, 2021, 7, 1557-1568.	5.8	63
52	Efficient Separation of Acetylene and Carbon Dioxide in a Decorated Zeolite. Angewandte Chemie - International Edition, 2021, 60, 6526-6532.	7.2	62
53	Synergetic promotion of the photocatalytic activity of TiO ₂ by gold deposition under UV-visible light irradiation. Chemical Communications, 2013, 49, 11767.	2.2	61
54	Robust ruthenium catalysts for the selective conversion of stearic acid to diesel-range alkanes. Applied Catalysis B: Environmental, 2017, 201, 137-149.	10.8	60

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55	Role of Acetaldehyde in the Roadmap from Initial Carbon–Carbon Bonds to Hydrocarbons during Methanol Conversion. <i>ACS Catalysis</i> , 2019, 9, 6491-6501.	5.5	60
56	Catalytic oxidation of NO over TiO ₂ supported platinum clusters. II: Mechanism study by in situ FTIR spectra. <i>Catalysis Today</i> , 2010, 158, 361-369.	2.2	58
57	Insights into the catalytic cycle and activity of methanol-to-olefin conversion over low-silica AlPO ₄ -34 zeolites with controllable Brønsted acid density. <i>Catalysis Science and Technology</i> , 2017, 7, 607-618.	2.1	58
58	Catalytic dehydration of methanol to dimethyl ether over aluminophosphate and silico-aluminophosphate molecular sieves. <i>Catalysis Communications</i> , 2011, 12, 535-538.	1.6	57
59	Optimizing zeolite stabilized Pt-Zn catalysts for propane dehydrogenation. <i>Journal of Energy Chemistry</i> , 2021, 57, 92-98.	7.1	54
60	Methanol-to-Olefin Conversion Catalyzed by Low-Silica AlPO ₄ -34 with Traces of Brønsted Acid Sites: Combined Catalytic and Spectroscopic Investigations. <i>ChemCatChem</i> , 2012, 4, 1428-1435.	1.8	53
61	Direct synthesis of zeolite coatings on cordierite supports by in situ hydrothermal method. <i>Applied Catalysis A: General</i> , 2005, 292, 312-321.	2.2	52
62	NO selective reduction by hydrogen on potassium titanate supported palladium catalyst. <i>Catalysis Communications</i> , 2008, 9, 1827-1832.	1.6	51
63	Facile synthesis of an iron doped rutile TiO ₂ photocatalyst for enhanced visible-light-driven water oxidation. <i>Journal of Materials Chemistry A</i> , 2015, 3, 21434-21438.	5.2	50
64	Stabilizing copper species using zeolite for ethanol catalytic dehydrogenation to acetaldehyde. <i>Chinese Journal of Catalysis</i> , 2019, 40, 1375-1384.	6.9	50
65	Fabrication of Hierarchical Sn-Beta Zeolite as Efficient Catalyst for Conversion of Cellulosic Sugar to Methyl Lactate. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 3796-3808.	3.2	50
66	Fate of Brønsted Acid Sites and Benzene-Based Carbenium Ions During Methanol-to-Olefin Conversion on SAPO-34. <i>ChemCatChem</i> , 2011, 3, 1130-1133.	1.8	49
67	Effect of the Methanol-to-Olefin Conversion on the PFG NMR Self-Diffusivities of Ethane and Ethene in Large-Crystalline SAPO-34. <i>Journal of Physical Chemistry C</i> , 2012, 116, 2469-2476.	1.5	49
68	High activity of hot electrons from bulk 3D graphene materials for efficient photocatalytic hydrogen production. <i>Nano Research</i> , 2017, 10, 1662-1672.	5.8	49
69	Propane dehydrogenation catalyzed by in-situ partially reduced zinc cations confined in zeolites. <i>Journal of Energy Chemistry</i> , 2021, 63, 262-269.	7.1	48
70	Novel Multifunctional Mixed-Oxide Catalysts for Effective NO _x Capture, Decomposition, and Reduction. <i>Advanced Functional Materials</i> , 2007, 17, 3598-3606.	7.8	46
71	β-Cyclodextrin-Assisted Synthesis of Superparamagnetic Magnetite Nanoparticles from a Single Fe(III) Precursor. <i>Journal of Physical Chemistry C</i> , 2008, 112, 17148-17155.	1.5	46
72	Promoting the activity of Ce-incorporated MOR in dimethyl ether carbonylation through tailoring the distribution of Brønsted acids. <i>Applied Catalysis B: Environmental</i> , 2019, 256, 117777.	10.8	46

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73	Zeolites for separation: Fundamental and application. <i>Journal of Energy Chemistry</i> , 2022, 71, 288-303.	7.1	45
74	Selective catalytic reduction of NO by hydrogen over Pt/ZSM-35. <i>Catalysis Today</i> , 2010, 158, 452-458.	2.2	44
75	Diels-Alder and dehydration reactions of furan derivatives with ethylene catalyzed by liquid Brønsted acids and Lewis acids. <i>Journal of Molecular Catalysis A</i> , 2016, 420, 134-141.	4.8	43
76	Selective catalytic reduction of NO by propane in excess oxygen over IrCu-ZSM-5 catalyst. <i>Catalysis Communications</i> , 2007, 8, 583-588.	1.6	42
77	Synthetic Design of Gold Nanoparticles on Anatase TiO ₂ {001} for Enhanced Visible Light Harvesting. <i>ACS Sustainable Chemistry and Engineering</i> , 2014, 2, 1940-1946.	3.2	42
78	Study on Pt/Al-MCM-41 for NO selective reduction by hydrogen. <i>Catalysis Today</i> , 2010, 158, 228-234.	2.2	39
79	Experimental and Theoretical Evidence for the Promotional Effect of Acid Sites on the Diffusion of Alkenes through Small-Pore Zeolites. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 10016-10022.	7.2	39
80	Selective Catalytic Reduction of Nitrogen Oxides from Exhaust of Lean Burn Engine over In-Situ Synthesized Cu ⁺ ZSM-5/Cordierite. <i>Environmental Science & Technology</i> , 2005, 39, 2841-2847.	4.6	38
81	The promotional effect of Cr on catalytic activity of Pt/ZSM-35 for H ₂ -SCR in excess oxygen. <i>Catalysis Communications</i> , 2010, 11, 955-959.	1.6	38
82	Study on metal-MFI/cordierite as promising catalysts for selective catalytic reduction of nitric oxide by propane in excess oxygen. <i>Journal of Catalysis</i> , 2004, 228, 12-22.	3.1	37
83	Fe ⁺ USY Zeolite Catalyst for Effective Decomposition of Nitrous Oxide. <i>Environmental Science & Technology</i> , 2007, 41, 7901-7906.	4.6	37
84	NO decomposition, storage and reduction over novel mixed oxide catalysts derived from hydrotalcite-like compounds. <i>Journal of Colloid and Interface Science</i> , 2009, 333, 423-430.	5.0	37
85	Oxidative dehydrogenation of propane with nitrous oxide over Fe ⁺ MFI prepared by ion-exchange: effect of acid post-treatments. <i>Catalysis Science and Technology</i> , 2013, 3, 1333.	2.1	37
86	Direct Propylene Epoxidation with Molecular Oxygen over Cobalt-Containing Zeolites. <i>Journal of the American Chemical Society</i> , 2022, 144, 4260-4268.	6.6	37
87	Al-free Fe-beta as a robust catalyst for selective reduction of nitric oxide by ammonia. <i>Catalysis Science and Technology</i> , 2016, 6, 8325-8335.	2.1	36
88	Cascade Conversion of Acetic Acid to Isobutene over Yttrium-Modified Siliceous Beta Zeolites. <i>ACS Catalysis</i> , 2019, 9, 9726-9738.	5.5	36
89	Methane combustion over palladium catalyst within the confined space of MFI zeolite. <i>Chinese Journal of Catalysis</i> , 2021, 42, 1689-1699.	6.9	36
90	Fabrication of Ta ₂ O ₅ films on tantalum substrate for efficient photocatalysis. <i>Catalysis Communications</i> , 2015, 65, 24-29.	1.6	35

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91	Facile synthesis of Sn-containing MFI zeolites as versatile solid acid catalysts. <i>Microporous and Mesoporous Materials</i> , 2018, 270, 265-273.	2.2	35
92	Construction of Bifunctional Co/H β -ZSM-5 Catalysts for the Hydrodeoxygenation of Stearic Acid to Diesel-Range Alkanes. <i>ChemSusChem</i> , 2018, 11, 2179-2188.	3.6	34
93	Selective catalytic reduction of nitrogen oxides from exhaust of lean burn engine over in situ synthesized monolithic Cu α -TS-1/cordierite. <i>Catalysis Today</i> , 2004, 90, 207-213.	2.2	32
94	Fast Catalytic Reduction of NO _x by H ₂ over Pd-Based Catalysts. <i>Chinese Journal of Catalysis</i> , 2010, 31, 261-263.	6.9	32
95	Phosphorus modified HMC-22: Characterization and catalytic application in methanol-to-hydrocarbons conversion. <i>Microporous and Mesoporous Materials</i> , 2012, 151, 99-106.	2.2	32
96	Evidence of rutile-to-anatase photo-induced electron transfer in mixed-phase TiO ₂ by solid-state NMR spectroscopy. <i>Chemical Communications</i> , 2015, 51, 13779-13782.	2.2	32
97	Coordinatively unsaturated sites in zeolite matrix: Construction and catalysis. <i>Chinese Journal of Catalysis</i> , 2019, 40, 1255-1281.	6.9	32
98	Stabilizing the framework of SAPO-34 zeolite toward long-term methanol-to-olefins conversion. <i>Nature Communications</i> , 2021, 12, 4661.	5.8	32
99	Intermediates and Dominating Reaction Mechanism During the Early Period of the Methanol-to-Olefin Conversion on SAPO-41. <i>Journal of Physical Chemistry C</i> , 2015, 119, 2637-2645.	1.5	31
100	Novel Ru α -Mg α -Al α -O Catalyst Derived from Hydrotalcite-like Compound for NO Storage/Decomposition/Reduction. <i>Journal of Physical Chemistry C</i> , 2007, 111, 10552-10559.	1.5	30
101	A new and generic preparation method of mesoporous clay composites containing dispersed metal oxide nanoparticles. <i>Microporous and Mesoporous Materials</i> , 2008, 114, 214-221.	2.2	30
102	Fabrication of WO _{2.72} /RGO nano-composites for enhanced photocatalysis. <i>RSC Advances</i> , 2017, 7, 2606-2614.	1.7	30
103	Robust cobalt oxide catalysts for controllable hydrogenation of carboxylic acids to alcohols. <i>Chinese Journal of Catalysis</i> , 2018, 39, 250-257.	6.9	30
104	Insight into the formation of the tert-butyl cation confined inside H-ZSM-5 zeolite from NMR spectroscopy and DFT calculations. <i>Chemical Communications</i> , 2016, 52, 10606-10608.	2.2	29
105	Hierarchical FAU-Type Hafnosilicate Zeolite as a Robust Lewis Acid Catalyst for Catalytic Transfer Hydrogenation. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 16329-16343.	3.2	29
106	Oxidative dehydrogenation of propane over Pt α -Sn/Si-beta catalysts: key role of Pt α -Sn interaction. <i>Catalysis Science and Technology</i> , 2018, 8, 3044-3051.	2.1	28
107	Progressive steps and catalytic cycles in methanol-to-hydrocarbons reaction over acidic zeolites. <i>Fundamental Research</i> , 2022, 2, 184-192.	1.6	28
108	Nitridation of BaO supported on mesoporous materials: Basicity characterization and catalytic properties. <i>Applied Catalysis A: General</i> , 2011, 391, 225-233.	2.2	27

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109	Ru/TiO ₂ for the preferential oxidation of CO in H ₂ -rich stream: Effects of catalyst pre-treatments and reconstruction of Ru sites. <i>Fuel</i> , 2015, 143, 318-326.	3.4	27
110	Metal-seed assistant photodeposition of platinum over Ta ₃ N ₅ photocatalyst for promoted solar hydrogen production under visible light. <i>Journal of Energy Chemistry</i> , 2021, 55, 444-448.	7.1	27
111	Highly active and stable bimetallic Ir/Fe-USY catalysts for direct and NO-assisted N ₂ O decomposition. <i>Applied Catalysis B: Environmental</i> , 2008, 84, 734-741.	10.8	26
112	Oxidative dehydrogenation of propane with nitrous oxide over Fe-ZSM-5 prepared by grafting: Characterization and performance. <i>Applied Catalysis A: General</i> , 2013, 468, 230-239.	2.2	25
113	Incorporation of cerium atoms into Al-free Beta zeolite framework for catalytic application. <i>Chinese Journal of Catalysis</i> , 2015, 36, 801-805.	6.9	25
114	Unexpected methanol-to-olefin conversion activity of low-silica aluminophosphate molecular sieves. <i>Catalysis Communications</i> , 2011, 16, 124-127.	1.6	24
115	Self-aldol condensation of aldehydes over Lewis acidic rare-earth cations stabilized by zeolites. <i>Chinese Journal of Catalysis</i> , 2021, 42, 595-605.	6.9	24
116	Synthesis of Anatase TiO ₂ Nanoparticles with β -Cyclodextrin as a Supramolecular Shell. <i>Chemistry - an Asian Journal</i> , 2006, 1, 664-668.	1.7	23
117	Preparation of binary washcoat deposited on cordierite substrate for catalytic applications. <i>Ceramics International</i> , 2010, 36, 529-534.	2.3	23
118	Nitridation of MgO-loaded MCM-41 and its beneficial applications in base-catalyzed reactions. <i>Microporous and Mesoporous Materials</i> , 2012, 148, 184-190.	2.2	23
119	Synthesis of Uniform TiO ₂ Nanoparticles with Egg Albumen Proteins as Novel Biotemplate. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 5767-5775.	0.9	22
120	Verifying the dominant catalytic cycle of the methanol-to-hydrocarbon conversion over SAPO-41. <i>Catalysis Science and Technology</i> , 2014, 4, 688-696.	2.1	22
121	SnS ₂ Nanoplates with Specific Facets Exposed for Enhanced Visible-Light-Driven Photocatalysis. <i>ChemPhotoChem</i> , 2017, 1, 60-69.	1.5	22
122	Lead-containing Beta zeolites as versatile Lewis acid catalysts for the aminolysis of epoxides. <i>Microporous and Mesoporous Materials</i> , 2018, 264, 230-239.	2.2	22
123	Ru-In/H-SSZ-13 for the selective reduction of nitric oxide by methane: Insights from temperature-programmed desorption studies. <i>Applied Catalysis B: Environmental</i> , 2018, 236, 404-412.	10.8	21
124	Confirmation of NH species in the framework of nitrogen-incorporated ZSM-5 zeolite by experimental and theoretical studies. <i>Microporous and Mesoporous Materials</i> , 2010, 127, 25-31.	2.2	20
125	Homogeneous-like Alkyne Selective Hydrogenation Catalyzed by Cationic Nickel Confined in Zeolite. <i>CCS Chemistry</i> , 2022, 4, 949-962.	4.6	20
126	Plate-Like ZSM-5 Zeolites as Robust Catalysts for the Cracking of Hydrocarbons. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 11415-11424.	4.0	20

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127	Fe-mordenite/cordierite monolith for the catalytic decomposition of nitrous oxide. <i>Ceramics International</i> , 2009, 35, 3097-3101.	2.3	19
128	One-step hydrothermal amino-grafting of graphene oxide as an efficient solid base catalyst. <i>Chemical Communications</i> , 2014, 50, 4305.	2.2	19
129	Selective Catalytic Hydrogenolysis of Carbon-Carbon C Bonds in Primary Aliphatic Alcohols over Supported Metals. <i>ACS Catalysis</i> , 2015, 5, 7199-7207.	5.5	19
130	Scaling up of ethanol production from sugar molasses using yeast immobilized with alginate-based MCM-41 mesoporous zeolite composite carrier. <i>Bioresource Technology</i> , 2012, 115, 208-214.	4.8	18
131	Hydrothermal synthesis and photocatalytic properties of tantalum pentoxide nanorods. <i>Chinese Journal of Catalysis</i> , 2015, 36, 432-438.	6.9	18
132	Stabilizing Isolated Rhodium Cations by MFI Zeolite for Heterogeneous Methanol Carbonylation. <i>ACS Catalysis</i> , 2021, 11, 7249-7256.	5.5	18
133	Expanding mesoporosity of triblock-copolymer-templated silica under weak synthesis acidity. <i>Journal of Colloid and Interface Science</i> , 2009, 339, 160-167.	5.0	17
134	Unexpectedly selective hydrogenation of phenylacetylene to styrene on titania supported platinum photocatalyst under 385 nm monochromatic light irradiation. <i>Chinese Journal of Catalysis</i> , 2020, 41, 598-603.	6.9	17
135	Efficient Separation of Acetylene and Carbon Dioxide in a Decorated Zeolite. <i>Angewandte Chemie</i> , 2021, 133, 6600-6606.	1.6	17
136	Zeolite-encaged palladium catalysts for heterogeneous Suzuki-Miyaura cross-coupling reactions. <i>Catalysis Today</i> , 2023, 410, 237-246.	2.2	16
137	Nitrate hydrogenation on Pd-Cu/TiO ₂ catalyst prepared by photo-deposition. <i>Catalysis Today</i> , 2011, 175, 356-361.	2.2	15
138	Oxidative dehydrogenation of propane with nitrous oxide over Fe-O-Al species occluded in ZSM-5: Reaction and deactivation mechanisms. <i>Microporous and Mesoporous Materials</i> , 2014, 198, 82-91.	2.2	15
139	Synthesis and catalytic application of nanorod-like FER-type zeolites. <i>Journal of Materials Chemistry A</i> , 2021, 9, 24922-24931.	5.2	15
140	Physico-chemical characterization of nitrated mesoporous silicon MCM-41. <i>Microporous and Mesoporous Materials</i> , 2010, 135, 2-8.	2.2	14
141	A swelling-changeable catalyst for glycerol acetylation with controlled acid concentration. <i>Fuel Processing Technology</i> , 2016, 142, 228-234.	3.7	14
142	A simple synthesis of Ga ₂ O ₃ and GaN nanocrystals. <i>RSC Advances</i> , 2017, 7, 47898-47903.	1.7	14
143	Design of plate-like H[Ga]MFI zeolite catalysts for high-performance methanol-to-propylene reaction. <i>Microporous and Mesoporous Materials</i> , 2022, 333, 111767.	2.2	14
144	A comprehensive investigation of influences of NO and O ₂ on N ₂ O-SCR by CH ₄ over Fe-USY zeolite. <i>Applied Catalysis B: Environmental</i> , 2009, 91, 262-268.	10.8	13

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145	Cobalt zeolites: Preparation, characterization and catalytic properties for N ₂ O decomposition. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2012, 7, 502-509.	0.8	13
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