Landong Li

List of Publications by Year
in descending order

180	10,555	30070 54	38395 95
papers	citations	h-index	g-index

198	198	198	11486
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Sub-10â€‰nm rutile titanium dioxide nanoparticles for efficient visible-light-driven photocatalytic hydrogen production. Nature Communications, 2015, 6, 5881.	12.8	653
2	Understanding the effect of surface/bulk defects on the photocatalytic activity of TiO2: anatase versus rutile. Physical Chemistry Chemical Physics, 2013, 15, 10978.	2.8	549
3	Tungsten Oxide Single Crystal Nanosheets for Enhanced Multichannel Solar Light Harvesting. Advanced Materials, 2015, 27, 1580-1586.	21.0	436
4	Improved Postsynthesis Strategy to Sn-Beta Zeolites as Lewis Acid Catalysts for the Ring-Opening Hydration of Epoxides. ACS Catalysis, 2014, 4, 2801-2810.	11.2	247
5	High photocatalytic activity and selectivity for nitrogen in nitrate reduction on Ag/TiO catalyst with fine silver clusters. Journal of Catalysis, 2005, 232, 424-431.	6.2	236
6	Nb2O5/TiO2 heterojunctions: Synthesis strategy and photocatalytic activity. Applied Catalysis B: Environmental, 2014, 152-153, 280-288.	20.2	207
7	Mechanisms of the Deactivation of SAPO-34 Materials with Different Crystal Sizes Applied as MTO Catalysts. ACS Catalysis, 2013, 3, 588-596.	11.2	198
8	Understanding the Early Stages of the Methanol-to-Olefin Conversion on H-SAPO-34. ACS Catalysis, 2015, 5, 317-326.	11.2	193
9	Heterostructured Ni/NiO composite as a robust catalyst for the hydrogenation of levulinic acid to Î³-valerolactone. Applied Catalysis B: Environmental, 2017, 217, 115-124.	20.2	182
10	Hydrodeoxygenation of lignin-derived phenolic compounds over bi-functional Ru/H-Beta under mild conditions. Fuel, 2015, 150, 175-183.	6.4	179
11	Control of zeolite pore interior for chemoselective alkyne/olefin separations. Science, 2020, 368, 1002-1006.	12.6	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. Green Chemistry, 2015, 17, 1744-1755.	9.0	169
13	Dynamic adsorption of volatile organic compounds on organofunctionalized SBA-15 materials. Chemical Engineering Journal, 2009, 149, 281-288.	12.7	166
14	Confinement in a Zeolite and Zeolite Catalysis. Accounts of Chemical Research, 2021, 54, 2894-2904.	15.6	159
15	Meso-Zr-Al-beta zeolite as a robust catalyst for cascade reactions in biomass valorization. Applied Catalysis B: Environmental, 2017, 205, 393-403.	20.2	152
16	Palladium on graphene as efficient catalyst for solvent-free aerobic oxidation of aromatic alcohols: Role of graphene support. Applied Catalysis B: Environmental, 2013, 136-137, 177-185.	20.2	143
17	Methanol-to-Olefin Conversion on Silicoaluminophosphate Catalysts: Effect of BrÃ¸nsted Acid Sites and Framework Structures. ACS Catalysis, 2011, 1, 292-299.	11.2	140
18	A procedure for the preparation of Ti-Beta zeolites for catalytic epoxidation with hydrogen peroxide. Green Chemistry, 2014, 16, 2281-2291.	9.0	136

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19	Polyoxometalate-Based Metalâ€“Organic Frameworks as Visible-Light-Induced Photocatalysts. Inorganic Chemistry, 2018, 57, 5030-5037.	4.0	130
20	Noble Metal Particles Confined in Zeolites: Synthesis, Characterization, and Applications. Advanced Science, 2019, 6, 1900299.	11.2	127
21	Effect of pH on DDT degradation in aqueous solution using bimetallic Ni/Fe nanoparticles. Separation and Purification Technology, 2009, 66, 84-89.	7.9	126
22	Atomically dispersed Ptn+ species as highly active sites in Pt/In2O3 catalysts for methanol synthesis from CO2 hydrogenation. Journal of Catalysis, 2021, 394, 236-244.	6.2	124
23	Solvent-free selective photocatalytic oxidation of benzyl alcohol over modified TiO2. Green Chemistry, 2011, 13, 3265.	9.0	119
24	Selectivity Modulation of Encapsulated Palladium Nanoparticles by Zeolite Microenvironment for Biomass Catalytic Upgrading. ACS Catalysis, 2018, 8, 8578-8589.	11.2	114
25	Acetylene-Selective Hydrogenation Catalyzed by Cationic Nickel Confined in Zeolite. Journal of the American Chemical Society, 2019, 141, 9920-9927.	13.7	112
26	Supported Pd catalysts for solvent-free benzyl alcohol selective oxidation: Effects of calcination pretreatments and reconstruction of Pd sites. Applied Catalysis B: Environmental, 2012, 115-116, 7-15.	20.2	109
27	Mechanistic Insights into One-Step Catalytic Conversion of Ethanol to Butadiene over Bifunctional Znâ€“Y/Beta Zeolite. ACS Catalysis, 2018, 8, 2760-2773.	11.2	109
28	Low temperature CO oxidation on Cuâ€“Cu2O/TiO2 catalyst prepared by photodeposition. Catalysis Science and Technology, 2011, 1, 601.	4.1	102
29	One-pot hydrothermal fabrication of layered Î²-Ni(OH) 2 /g-C 3 N 4 nanohybrids for enhanced photocatalytic water splitting. Applied Catalysis B: Environmental, 2016, 194, 74-83.	20.2	102
30	Comparative Studies on Porous Material-Supported Pd Catalysts for Catalytic Oxidation of Benzene, Toluene, and Ethyl Acetate. Industrial & Engineering Chemistry Research, 2009, 48, 6930-6936.	3.7	101
31	Platelike MFI Crystals with Controlled Crystal Faces Aspect Ratio. Journal of the American Chemical Society, 2021, 143, 1993-2004.	13.7	93
32	Methane Activation and Utilization: Current Status and Future Challenges. Energy Technology, 2020, 8, 1900826.	3.8	92
33	Effect of n-Butanol Cofeeding on the Methanol to Aromatics Conversion over Ga-Modified Nano H-ZSM-5 and Its Mechanistic Interpretation. ACS Catalysis, 2018, 8, 1352-1362.	11.2	88
34	Zeolite Structural Confinement Effects Enhance One-Pot Catalytic Conversion of Ethanol to Butadiene. ACS Catalysis, 2017, 7, 3703-3706.	11.2	87
35	Lewis Acid Catalysis Confined in Zeolite Cages as a Strategy for Sustainable Heterogeneous Hydration of Epoxides. ACS Catalysis, 2016, 6, 2955-2964.	11.2	86
36	Verifying the mechanism of the ethene-to-propene conversion on zeolite H-SSZ-13. Journal of Catalysis, 2014, 314, 10-20.	6.2	84

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37	Oxidation of nitric oxide to nitrogen dioxide over Ru catalysts. Applied Catalysis B: Environmental, 2009, 88, 224-231.	20.2	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.	4.1	76
39	Low temperature H2-SCR over platinum catalysts supported on Ti-containing MCM-41. Applied Catalysis B: Environmental, 2010, 94, 254-262.	20.2	71
40	Catalytic oxidation of NO over TiO2 supported platinum clusters I. Preparation, characterization and catalytic properties. Applied Catalysis B: Environmental, 2010, 93, 259-266.	20.2	70
41	A study on N2O catalytic decomposition over Co/MgO catalysts. Journal of Hazardous Materials, 2009, 163, 1332-1337.	12.4	68
42	Investigation of Selective Catalytic Reduction of N₂O by NH₃ over an Feâ€“Mordenite Catalyst: Reaction Mechanism and O₂ Effect. ACS Catalysis, 2012, 2, 512-520.	11.2	68
43	HC-SCR reaction pathways on ion exchanged ZSM-5 catalysts. Microporous and Mesoporous Materials, 2009, 117, 450-457.	4.4	67
44	Spectroscopic Signature of Lewis Acidic Framework and Extraframework Sn Sites in Beta Zeolites. ACS Catalysis, 2020, 10, 14135-14146.	11.2	67
45	Iron-exchanged FAU zeolites: Preparation, characterization and catalytic properties for N2O decomposition. Applied Catalysis A: General, 2008, 344, 131-141.	4.3	66
46	On the deactivation mechanism of zeolite catalyst in ethanol to butadiene conversion. Journal of Catalysis, 2018, 367, 7-15.	6.2	66
47	Zeolite-Encaged Isolated Platinum Ions Enable Heterolytic Dihydrogen Activation and Selective Hydrogenations. Journal of the American Chemical Society, 2021, 143, 20898-20906.	13.7	66
48	Novel CH₄ Combustion Catalysts Derived from Cuâ^'Co/Xâ^'Al (X = Fe, Mn, La, Ce) Hydrotalcite-like Compounds. Energy & Fuels, 2008, 22, 2131-2137.	5.1	65
49	NO selective reduction by hydrogen over bimetallic Pdâ€“Ir/TiO2 catalyst. Catalysis Communications, 2012, 24, 38-43.	3.3	64
50	Identification of tertâ€Butyl Cations in Zeolite Hâ€ZSMâ€5: Evidence from NMR Spectroscopy and DFT Calculations. Angewandte Chemie - International Edition, 2015, 54, 8783-8786.	13.8	63
51	Water-involved methane-selective catalytic oxidation by dioxygen over copper zeolites. CheM, 2021, 7, 1557-1568.	11.7	63
52	Efficient Separation of Acetylene and Carbon Dioxide in a Decorated Zeolite. Angewandte Chemie - International Edition, 2021, 60, 6526-6532.	13.8	62
53	Synergetic promotion of the photocatalytic activity of TiO2 by gold deposition under UV-visible light irradiation. Chemical Communications, 2013, 49, 11767.	4.1	61
54	Robust ruthenium catalysts for the selective conversion of stearic acid to diesel-range alkanes. Applied Catalysis B: Environmental, 2017, 201, 137-149.	20.2	60

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55	Role of Acetaldehyde in the Roadmap from Initial Carbonâ€“Carbon Bonds to Hydrocarbons during Methanol Conversion. ACS Catalysis, 2019, 9, 6491-6501.	11.2	60
56	Catalytic oxidation of NO over TiO2 supported platinum clusters. II: Mechanism study by in situ FTIR spectra. Catalysis Today, 2010, 158, 361-369.	4.4	58
57	Insights into the catalytic cycle and activity of methanol-to-olefin conversion over low-silica AlPO-34 zeolites with controllable BrÃ¸nsted acid density. Catalysis Science and Technology, 2017, 7, 607-618.	4.1	58
58	Catalytic dehydration of methanol to dimethyl ether over aluminophosphate and silico-aluminophosphate molecular sieves. Catalysis Communications, 2011, 12, 535-538.	3.3	57
59	Optimizing zeolite stabilized Pt-Zn catalysts for propane dehydrogenation. Journal of Energy Chemistry, 2021, 57, 92-98.	12.9	54
60	Methanolâ€toâ€Olefin Conversion Catalyzed by Lowâ€Silica AlPOâ€34 with Traces of BrÃ¸nsted Acid Sites: Combined Catalytic and Spectroscopic Investigations. ChemCatChem, 2012, 4, 1428-1435.	3.7	53
61	Direct synthesis of zeolite coatings on cordierite supports by in situ hydrothermal method. Applied Catalysis A: General, 2005, 292, 312-321.	4.3	52
62	NO selective reduction by hydrogen on potassium titanate supported palladium catalyst. Catalysis Communications, 2008, 9, 1827-1832.	3.3	51
63	Facile synthesis of an iron doped rutile TiO₂ photocatalyst for enhanced visible-light-driven water oxidation. Journal of Materials Chemistry A, 2015, 3, 21434-21438.	10.3	50
64	Stabilizing copper species using zeolite for ethanol catalytic dehydrogenation to acetaldehyde. Chinese Journal of Catalysis, 2019, 40, 1375-1384.	14.0	50
65	Fabrication of Hierarchical Sn-Beta Zeolite as Efficient Catalyst for Conversion of Cellulosic Sugar to Methyl Lactate. ACS Sustainable Chemistry and Engineering, 2020, 8, 3796-3808.	6.7	50
66	Fate of BrÃ¸nsted Acid Sites and Benzeneâ€Based Carbenium Ions During Methanolâ€toâ€Olefin Conversion on SAPOâ€34. ChemCatChem, 2011, 3, 1130-1133.	3.7	49
67	Effect of the Methanol-to-Olefin Conversion on the PFG NMR Self-Diffusivities of Ethane and Ethene in Large-Crystalline SAPO-34. Journal of Physical Chemistry C, 2012, 116, 2469-2476.	3.1	49
68	High activity of hot electrons from bulk 3D graphene materials for efficient photocatalytic hydrogen production. Nano Research, 2017, 10, 1662-1672.	10.4	49
69	Propane dehydrogenation catalyzed by in-situ partially reduced zinc cations confined in zeolites. Journal of Energy Chemistry, 2021, 63, 262-269.	12.9	48
70	Novel Multiâ€functional Mixedâ€oxide Catalysts for Effective NO_x Capture, Decomposition, and Reduction. Advanced Functional Materials, 2007, 17, 3598-3606.	14.9	46
71	Î²-Cyclodextrin-Assisted Synthesis of Superparamagnetic Magnetite Nanoparticles from a Single Fe(III) Precursor. Journal of Physical Chemistry C, 2008, 112, 17148-17155.	3.1	46
72	Promoting the activity of Ce-incorporated MOR in dimethyl ether carbonylation through tailoring the distribution of BrÃ¸nsted acids. Applied Catalysis B: Environmental, 2019, 256, 117777.	20.2	46

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73	Zeolites for separation: Fundamental and application. Journal of Energy Chemistry, 2022, 71, 288-303.	12.9	45
74	Selective catalytic reduction of NO by hydrogen over Pt/ZSM-35. Catalysis Today, 2010, 158, 452-458.	4.4	44
75	Diels-Alder and dehydration reactions of furan derivatives with ethylene catalyzed by liquid BrÃ¸nsted acids and Lewis acids. Journal of Molecular Catalysis A, 2016, 420, 134-141.	4.8	43
76	Selective catalytic reduction of NO by propane in excess oxygen over IrCu-ZSM-5 catalyst. Catalysis Communications, 2007, 8, 583-588.	3.3	42
77	Synthetic Design of Gold Nanoparticles on Anatase TiO₂ {001} for Enhanced Visible Light Harvesting. ACS Sustainable Chemistry and Engineering, 2014, 2, 1940-1946.	6.7	42
78	Study on Pt/Al-MCM-41 for NO selective reduction by hydrogen. Catalysis Today, 2010, 158, 228-234.	4.4	39
79	Experimental and Theoretical Evidence for the Promotional Effect of Acid Sites on the Diffusion of Alkenes through Smallâ€Pore Zeolites. Angewandte Chemie - International Edition, 2021, 60, 10016-10022.	13.8	39
80	Selective Catalytic Reduction of Nitrogen Oxides from Exhaust of Lean Burn Engine over In-Situ Synthesized Cuâ^'ZSM-5/Cordierite. Environmental Science & Technology, 2005, 39, 2841-2847.	10.0	38
81	The promotional effect of Cr on catalytic activity of Pt/ZSM-35 for H2-SCR in excess oxygen. Catalysis Communications, 2010, 11, 955-959.	3.3	38
82	Study on metal-MFI/cordierite as promising catalysts for selective catalytic reduction of nitric oxide by propane in excess oxygen. Journal of Catalysis, 2004, 228, 12-22.	6.2	37
83	Feâ^'USY Zeolite Catalyst for Effective Decomposition of Nitrous Oxide. Environmental Science & Technology, 2007, 41, 7901-7906.	10.0	37
84	NO decomposition, storage and reduction over novel mixed oxide catalysts derived from hydrotalcite-like compounds. Journal of Colloid and Interface Science, 2009, 333, 423-430.	9.4	37
85	Oxidative dehydrogenation of propane with nitrous oxide over Feâ€"MFI prepared by ion-exchange: effect of acid post-treatments. Catalysis Science and Technology, 2013, 3, 1333.	4.1	37
86	Direct Propylene Epoxidation with Molecular Oxygen over Cobalt-Containing Zeolites. Journal of the American Chemical Society, 2022, 144, 4260-4268.	13.7	37
87	Al-free Fe-beta as a robust catalyst for selective reduction of nitric oxide by ammonia. Catalysis Science and Technology, 2016, 6, 8325-8335.	4.1	36
88	Cascade Conversion of Acetic Acid to Isobutene over Yttrium-Modified Siliceous Beta Zeolites. ACS Catalysis, 2019, 9, 9726-9738.	11.2	36
89	Methane combustion over palladium catalyst within the confined space of MFI zeolite. Chinese Journal of Catalysis, 2021, 42, 1689-1699.	14.0	36
90	Fabrication of Ta2O5 films on tantalum substrate for efficient photocatalysis. Catalysis Communications, 2015, 65, 24-29.	3.3	35

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91	Facile synthesis of Sn-containing MFI zeolites as versatile solid acid catalysts. Microporous and Mesoporous Materials, 2018, 270, 265-273.	4.4	35
92	Construction of Bifunctional Co/Hâ€ZSMâ€5 Catalysts for the Hydrodeoxygenation of Stearic Acid to Dieselâ€Range Alkanes. ChemSusChem, 2018, 11, 2179-2188.	6.8	34
93	Selective catalytic reduction of nitrogen oxides from exhaust of lean burn engine over in situ synthesized monolithic Cuâ€“TS-1/cordierite. Catalysis Today, 2004, 90, 207-213.	4.4	32
94	Fast Catalytic Reduction of NOx by H2 over Pd-Based Catalysts. Chinese Journal of Catalysis, 2010, 31, 261-263.	14.0	32
95	Phosphorus modified HMCM-22: Characterization and catalytic application in methanol-to-hydrocarbons conversion. Microporous and Mesoporous Materials, 2012, 151, 99-106.	4.4	32
96	Evidence of rutile-to-anatase photo-induced electron transfer in mixed-phase TiO₂ by solid-state NMR spectroscopy. Chemical Communications, 2015, 51, 13779-13782.	4.1	32
97	Coordinatively unsaturated sites in zeolite matrix: Construction and catalysis. Chinese Journal of Catalysis, 2019, 40, 1255-1281.	14.0	32
98	Stabilizing the framework of SAPO-34 zeolite toward long-term methanol-to-olefins conversion. Nature Communications, 2021, 12, 4661.	12.8	32
99	Intermediates and Dominating Reaction Mechanism During the Early Period of the Methanol-to-Olefin Conversion on SAPO-41. Journal of Physical Chemistry C, 2015, 119, 2637-2645.	3.1	31
100	Novel Ruâ^'Mgâ^'Alâ^'O Catalyst Derived from Hydrotalcite-like Compound for NO Storage/Decomposition/Reduction. Journal of Physical Chemistry C, 2007, 111, 10552-10559.	3.1	30
101	A new and generic preparation method of mesoporous clay composites containing dispersed metal oxide nanoparticles. Microporous and Mesoporous Materials, 2008, 114, 214-221.	4.4	30
102	Fabrication of WO_{2.72}/RGO nano-composites for enhanced photocatalysis. RSC Advances, 2017, 7, 2606-2614.	3.6	30
103	Robust cobalt oxide catalysts for controllable hydrogenation of carboxylic acids to alcohols. Chinese Journal of Catalysis, 2018, 39, 250-257.	14.0	30
104	Insight into the formation of the tert-butyl cation confined inside H-ZSM-5 zeolite from NMR spectroscopy and DFT calculations. Chemical Communications, 2016, 52, 10606-10608.	4.1	29
105	Hierarchical FAU-Type Hafnosilicate Zeolite as a Robust Lewis Acid Catalyst for Catalytic Transfer Hydrogenation. ACS Sustainable Chemistry and Engineering, 2019, 7, 16329-16343.	6.7	29
106	Oxidative dehydrogenation of propane over Ptâ€“Sn/Si-beta catalysts: key role of Ptâ€“Sn interaction. Catalysis Science and Technology, 2018, 8, 3044-3051.	4.1	28
107	Progressive steps and catalytic cycles in methanol-to-hydrocarbons reaction over acidic zeolites. Fundamental Research, 2022, 2, 184-192.	3.3	28
108	Nitridation of BaO supported on mesoporous materials: Basicity characterization and catalytic properties. Applied Catalysis A: General, 2011, 391, 225-233.	4.3	27

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109	Ru/TiO2 for the preferential oxidation of CO in H2-rich stream: Effects of catalyst pre-treatments and reconstruction of Ru sites. Fuel, 2015, 143, 318-326.	6.4	27
110	Metal-seed assistant photodeposition of platinum over Ta3N5 photocatalyst for promoted solar hydrogen production under visible light. Journal of Energy Chemistry, 2021, 55, 444-448.	12.9	27
111	Highly active and stable bimetallic Ir/Fe-USY catalysts for direct and NO-assisted N2O decomposition. Applied Catalysis B: Environmental, 2008, 84, 734-741.	20.2	26
112	Oxidative dehydrogenation of propane with nitrous oxide over Fe-ZSM-5 prepared by grafting: Characterization and performance. Applied Catalysis A: General, 2013, 468, 230-239.	4.3	25
113	Incorporation of cerium atoms into Al-free Beta zeolite framework for catalytic application. Chinese Journal of Catalysis, 2015, 36, 801-805.	14.0	25
114	Unexpected methanol-to-olefin conversion activity of low-silica aluminophosphate molecular sieves. Catalysis Communications, 2011, 16, 124-127.	3.3	24
115	Self-aldol condensation of aldehydes over Lewis acidic rare-earth cations stabilized by zeolites. Chinese Journal of Catalysis, 2021, 42, 595-605.	14.0	24
116	Synthesis of Anatase TiO2 Nanoparticles with Î²-Cyclodextrin as a Supramolecular Shell. Chemistry - an Asian Journal, 2006, 1, 664-668.	3.3	23
117	Preparation of binary washcoat deposited on cordierite substrate for catalytic applications. Ceramics International, 2010, 36, 529-534.	4.8	23
118	Nitridation of MgO-loaded MCM-41 and its beneficial applications in base-catalyzed reactions. Microporous and Mesoporous Materials, 2012, 148, 184-190.	4.4	23
119	Synthesis of Uniform TiO₂ Nanoparticles with Egg Albumen Proteins as Novel Biotemplate. Journal of Nanoscience and Nanotechnology, 2010, 10, 5767-5775.	0.9	22
120	Verifying the dominant catalytic cycle of the methanol-to-hydrocarbon conversion over SAPO-41. Catalysis Science and Technology, 2014, 4, 688-696.	4.1	22
121	SnS‹sub›2‹/sub› Nanoplates with Specific Facets Exposed for Enhanced Visibleâ€Lightâ€Driven Photocatalysis. ChemPhotoChem, 2017, 1, 60-69.	3.0	22
122	Lead-containing Beta zeolites as versatile Lewis acid catalysts for the aminolysis of epoxides. Microporous and Mesoporous Materials, 2018, 264, 230-239.	4.4	22
123	Ru-In/H-SSZ-13 for the selective reduction of nitric oxide by methane: Insights from temperature-programmed desorption studies. Applied Catalysis B: Environmental, 2018, 236, 404-412.	20.2	21
124	Confirmation of NH species in the framework of nitrogen-incorporated ZSM-5 zeolite by experimental and theoretical studies. Microporous and Mesoporous Materials, 2010, 127, 25-31.	4.4	20
125	Homogeneous-like Alkyne Selective Hydrogenation Catalyzed by Cationic Nickel Confined in Zeolite. CCS Chemistry, 2022, 4, 949-962.	7.8	20
126	Plate-Like ZSM-5 Zeolites as Robust Catalysts for the Cracking of Hydrocarbons. ACS Applied Materials & Interfaces, 2022, 14, 11415-11424.	8.0	20

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127	Fe-mordenite/cordierite monolith for the catalytic decomposition of nitrous oxide. Ceramics International, 2009, 35, 3097-3101.	4.8	19
128	One-step hydrothermal amino-grafting of graphene oxide as an efficient solid base catalyst. Chemical Communications, 2014, 50, 4305.	4.1	19
129	Selective Catalytic Hydrogenolysis of Carbonâ€“Carbon Ïƒ Bonds in Primary Aliphatic Alcohols over Supported Metals. ACS Catalysis, 2015, 5, 7199-7207.	11.2	19
130	Scaling up of ethanol production from sugar molasses using yeast immobilized with alginate-based MCM-41 mesoporous zeolite composite carrier. Bioresource Technology, 2012, 115, 208-214.	9.6	18
131	Hydrothermal synthesis and photocatalytic properties of tantalum pentoxide nanorods. Chinese Journal of Catalysis, 2015, 36, 432-438.	14.0	18
132	Stabilizing Isolated Rhodium Cations by MFI Zeolite for Heterogeneous Methanol Carbonylation. ACS Catalysis, 2021, 11, 7249-7256.	11.2	18
133	Expanding mesoporosity of triblock-copolymer-templated silica under weak synthesis acidity. Journal of Colloid and Interface Science, 2009, 339, 160-167.	9.4	17
134	Unexpectedly selective hydrogenation of phenylacetylene to styrene on titania supported platinum photocatalyst under 385 nm monochromatic light irradiation. Chinese Journal of Catalysis, 2020, 41, 598-603.	14.0	17
135	Efficient Separation of Acetylene and Carbon Dioxide in a Decorated Zeolite. Angewandte Chemie, 2021, 133, 6600-6606.	2.0	17
136	Zeolite-encaged palladium catalysts for heterogeneous Suzuki-Miyaura cross-coupling reactions. Catalysis Today, 2023, 410, 237-246.	4.4	16
137	Nitrate hydrogenation on Pdâ€“Cu/TiO2 catalyst prepared by photo-deposition. Catalysis Today, 2011, 175, 356-361.	4.4	15
138	Oxidative dehydrogenation of propane with nitrous oxide over Feâ€“Oâ€“Al species occluded in ZSM-5: Reaction and deactivation mechanisms. Microporous and Mesoporous Materials, 2014, 198, 82-91.	4.4	15
139	Synthesis and catalytic application of nanorod-like FER-type zeolites. Journal of Materials Chemistry A, 2021, 9, 24922-24931.	10.3	15
140	Physico-chemical characterization of nitrided mesoporous silicon MCM-41. Microporous and Mesoporous Materials, 2010, 135, 2-8.	4.4	14
141	A swelling-changeful catalyst for glycerol acetylation with controlled acid concentration. Fuel Processing Technology, 2016, 142, 228-234.	7.2	14
142	A simple synthesis of Ga₂O₃ and GaN nanocrystals. RSC Advances, 2017, 7, 47898-47903.	3.6	14
143	Design of plate-like H[Ga]MFI zeolite catalysts for high-performance methanol-to-propylene reaction. Microporous and Mesoporous Materials, 2022, 333, 111767.	4.4	14
144	A comprehensive investigation of influences of NO and O2 on N2O-SCR by CH4 over Fe-USY zeolite. Applied Catalysis B: Environmental, 2009, 91, 262-268.	20.2	13

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145	Cobalt zeolites: Preparation, characterization and catalytic properties for N₂O decomposition. Asia-Pacific Journal of Chemical Engineering, 2012, 7, 502-509.	1.5	13
146	Combination catalyst for the purification of automobile exhaust from lean-burn engine. Fuel Processing Technology, 2013, 108, 41-46.	7.2	13
147	Ir/ZSM-5/cordierite monolith for catalytic NOx reduction from automobile exhaust. Catalysis Communications, 2008, 9, 409-415.	3.3	12
148	Tandem Lewis acid catalysis for the conversion of alkenes to 1,2-diols in the confined space of bifunctional TiSn-Beta zeolite. Chinese Journal of Catalysis, 2021, 42, 1176-1184.	14.0	12
149	Selective catalytic reduction of nitric oxide with propane over Ni-Al2O3: effect of Ni loading. Reaction Kinetics and Catalysis Letters, 2006, 89, 81-87.	0.6	11
150	Cyclohexane oxidation: Small organic molecules as catalysts. Chinese Journal of Catalysis, 2014, 35, 279-285.	14.0	11
151	Ultrafine metal nanoparticles loaded on TiO2 nanorods: Synthesis strategy and photocatalytic activity. Chinese Journal of Catalysis, 2015, 36, 1968-1975.	14.0	11
152	Hollow Znâ^'Co Based Zeolitic Imidazole Framework as a Robust Heterogeneous Catalyst for Enhanced CO₂ Chemical Fixation. Chemistry - an Asian Journal, 2019, 14, 4375-4382.	3.3	11
153	Experimental and Theoretical Evidence for the Promotional Effect of Acid Sites on the Diffusion of Alkenes through Smallâ€Pore Zeolites. Angewandte Chemie, 2021, 133, 10104-10110.	2.0	10
154	Wet ion exchanged Fe-USY catalyst for effective N2O decomposition. Catalysis Communications, 2008, 9, 1745-1748.	3.3	9
155	Entrapped NbOx clusters in MFI zeolite for sustainable acid catalysis. Microporous and Mesoporous Materials, 2020, 305, 110361.	4.4	9
156	Multifunctional heteroatom zeolites: construction and applications. Frontiers of Chemical Science and Engineering, 2021, 15, 1462-1486.	4.4	9
157	The Effect of Organic Impurities Originating from the Incomplete Combustion of Organic Templates on the Methanolâ€toâ€Olefins Reaction over SAPOâ€46. ChemCatChem, 2010, 2, 1548-1551.	3.7	8
158	Nanosheets: Tungsten Oxide Single Crystal Nanosheets for Enhanced Multichannel Solar Light Harvesting (Adv. Mater. 9/2015). Advanced Materials, 2015, 27, 1579-1579.	21.0	8
159	Bimetallic Cr-In/H-SSZ-13 for selective catalytic reduction of nitric oxide by methane. Chinese Journal of Catalysis, 2018, 39, 1004-1011.	14.0	8
160	Reaction kinetics and mechanism of CH₄-SCR on Ruâ€"In/H-SSZ-13. Catalysis Science and Technology, 2020, 10, 6025-6034.	4.1	8
161	Zeolite Stabilized Isolated Molybdenum Species for Catalytic Oxidative Desulfurization. Acta Chimica Sinica, 2020, 78, 1404.	1.4	8
162	Application of ammonia probe-assisted solid-state NMR technique in zeolites and catalysis. Magnetic Resonance Letters, 2022, 2, 28-37.	1.3	8

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163	Solid-state NMR investigation of the 16/17O isotope exchange of oxygen species in pure-anatase and mixed-phase TiO2. Chemical Physics Letters, 2014, 594, 34-40.	2.6	7
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