Ye Wang

List of Publications by Year
in descending order

290 papers	28,361 citations	3334 91 h-index	6654 156 g-index
318 all docs	318 docs citations	318 times ranked	20091 citing authors

#	ARTICLE	IF	CITATIONS
1	Electrocatalytic reduction of CO2 to ethylene and ethanol through hydrogen-assisted Câ€“C coupling over fluorine-modified copper. Nature Catalysis, 2020, 3, 478-487.	34.4	788
2	New horizon in C1 chemistry: breaking the selectivity limitation in transformation of syngas and hydrogenation of CO₂ into hydrocarbon chemicals and fuels. Chemical Society Reviews, 2019, 48, 3193-3228.	38.1	742
3	Development of Novel Catalysts for Fischerâ€“Tropsch Synthesis: Tuning the Product Selectivity. ChemCatChem, 2010, 2, 1030-1058.	3.7	665
4	Recent advances in heterogeneous selective oxidation catalysis for sustainable chemistry. Chemical Society Reviews, 2014, 43, 3480.	38.1	653
5	Nanocomposites of TiO₂ and Reduced Graphene Oxide as Efficient Photocatalysts for Hydrogen Evolution. Journal of Physical Chemistry C, 2011, 115, 10694-10701.	3.1	582
6	Photocatalytic and photoelectrocatalytic reduction of CO₂ using heterogeneous catalysts with controlled nanostructures. Chemical Communications, 2016, 52, 35-59.	4.1	508
7	Direct and Highly Selective Conversion of Synthesis Gas into Lower Olefins: Design of a Bifunctional Catalyst Combining Methanol Synthesis and Carbonâ€“Carbon Coupling. Angewandte Chemie - International Edition, 2016, 55, 4725-4728.	13.8	468
8	Promoting electrocatalytic CO2 reduction to formate via sulfur-boosting water activation on indium surfaces. Nature Communications, 2019, 10, 892.	12.8	446
9	Solar energy-driven lignin-first approach to full utilization of lignocellulosic biomass under mild conditions. Nature Catalysis, 2018, 1, 772-780.	34.4	442
10	MgO- and Pt-Promoted TiO₂ as an Efficient Photocatalyst for the Preferential Reduction of Carbon Dioxide in the Presence of Water. ACS Catalysis, 2014, 4, 3644-3653.	11.2	380
11	Bifunctional Catalysts for One-Step Conversion of Syngas into Aromatics with Excellent Selectivity and Stability. CheM, 2017, 3, 334-347.	11.7	377
12	Photocatalytic transformations of lignocellulosic biomass into chemicals. Chemical Society Reviews, 2020, 49, 6198-6223.	38.1	374
13	Semiconductor-based nanocomposites for photocatalytic H2 production and CO2 conversion. Physical Chemistry Chemical Physics, 2013, 15, 2632.	2.8	364
14	Photocatalytic Conversion of Carbon Dioxide with Water into Methane: Platinum and Copper(I) Oxide Coâ€catalysts with a Coreâ€“Shell Structure. Angewandte Chemie - International Edition, 2013, 52, 5776-5779.	13.8	358
15	Base-Free Aerobic Oxidation of 5-Hydroxymethyl-furfural to 2,5-Furandicarboxylic Acid in Water Catalyzed by Functionalized Carbon Nanotube-Supported Auâ€“Pd Alloy Nanoparticles. ACS Catalysis, 2014, 4, 2175-2185.	11.2	353
16	Reaction Mechanisms of Wellâ€Defined Metalâ€“N₄ Sites in Electrocatalytic CO₂ Reduction. Angewandte Chemie - International Edition, 2018, 57, 16339-16342.	13.8	328
17	The past, present and future of heterogeneous catalysis. Catalysis Today, 2012, 189, 2-27.	4.4	327
18	Chemical synthesis of lactic acid from cellulose catalysed by lead(II) ions in water. Nature Communications, 2013, 4, 2141.	12.8	327

#	Article	IF	Citations
19	Sulfur vacancy-rich MoS2 as a catalyst for the hydrogenation of CO2 to methanol. Nature Catalysis, 2021, 4, 242-250.	34.4	308
20	Direct Partial Oxidation of Methane to Synthesis Gas by Cerium Oxide. Journal of Catalysis, 1998, 175, 152-160.	6.2	306
21	Integrated tuneable synthesis of liquid fuels via Fischerâ€“Tropsch technology. Nature Catalysis, 2018, 1, 787-793.	34.4	300
22	Conversion of Cellulose into Sorbitol over Carbon Nanotube-Supported Ruthenium Catalyst. Catalysis Letters, 2009, 133, 167-174.	2.6	290
23	Electrocatalytic reduction of CO₂ and CO to multi-carbon compounds over Cu-based catalysts. Chemical Society Reviews, 2021, 50, 12897-12914.	38.1	266
24	Selective transformation of carbon dioxide into lower olefins with a bifunctional catalyst composed of ZnGa₂O₄ and SAPO-34. Chemical Communications, 2018, 54, 140-143.	4.1	265
25	CdSâ€“graphene and CdSâ€“CNT nanocomposites as visible-light photocatalysts for hydrogen evolution and organic dye degradation. Catalysis Science and Technology, 2012, 2, 969.	4.1	261
26	Characterizations of Iron-Containing MCM-41 and Its Catalytic Properties in Epoxidation of Styrene with Hydrogen Peroxide. Journal of Catalysis, 2002, 209, 186-196.	6.2	247
27	Mesoporous Zeoliteâ€Supported Ruthenium Nanoparticles as Highly Selective Fischerâ€“Tropsch Catalysts for the Production of C₅â€“C₁₁ Isoparaffins. Angewandte Chemie - International Edition, 2011, 50, 5200-5203.	13.8	243
28	Ruthenium Nanoparticles Supported on Carbon Nanotubes as Efficient Catalysts for Selective Conversion of Synthesis Gas to Diesel Fuel. Angewandte Chemie - International Edition, 2009, 48, 2565-2568.	13.8	241
29	Hydrotalciteâ€Supported Gold Catalyst for the Oxidantâ€Free Dehydrogenation of Benzyl Alcohol: Studies on Support and Gold Size Effects. Chemistry - A European Journal, 2011, 17, 1247-1256.	3.3	235
30	Direct conversion of methane into oxygenates. Applied Catalysis A: General, 2001, 222, 145-161.	4.3	230
31	Electrocatalytic upcycling of polyethylene terephthalate to commodity chemicals and H2 fuel. Nature Communications, 2021, 12, 4679.	12.8	226
32	Subnanometer Bimetallic Platinumâ€“Zinc Clusters in Zeolites for Propane Dehydrogenation. Angewandte Chemie - International Edition, 2020, 59, 19450-19459.	13.8	221
33	Photocatalytic reduction of CO2 with H2O: significant enhancement of the activity of Ptâ€“TiO2 in CH4 formation by addition of MgO. Chemical Communications, 2013, 49, 2451.	4.1	220
34	Highly Efficient Amide Synthesis from Alcohols and Amines by Virtue of a Waterâ€Soluble Gold/DNA Catalyst. Angewandte Chemie - International Edition, 2011, 50, 8917-8921.	13.8	217
35	Highly Active ZnO-ZrO₂ Aerogels Integrated with H-ZSM-5 for Aromatics Synthesis from Carbon Dioxide. ACS Catalysis, 2020, 10, 302-310.	11.2	216
36	Oxidative conversion of lignin and lignin model compounds catalyzed by CeO₂-supported Pd nanoparticles. Green Chemistry, 2015, 17, 5009-5018.	9.0	210

#	ARTICLE	IF	CITATIONS
37	Hybrid Auâ€“Ag Nanostructures for Enhanced Plasmon-Driven Catalytic Selective Hydrogenation through Visible Light Irradiation and Surface-Enhanced Raman Scattering. Journal of the American Chemical Society, 2018, 140, 864-867.	13.7	210
38	Design of efficient bifunctional catalysts for direct conversion of syngas into lower olefins <i>via</i> methanol/dimethyl ether intermediates. Chemical Science, 2018, 9, 4708-4718.	7.4	208
39	Behavior of active sites on Cr-MCM-41 catalysts during the dehydrogenation of propane with CO2. Journal of Catalysis, 2004, 224, 404-416.	6.2	198
40	Impact of Hydrogenolysis on the Selectivity of the Fischerâ€“Tropsch Synthesis: Diesel Fuel Production over Mesoporous Zeoliteâ€•Yâ€•Supported Cobalt Nanoparticles. Angewandte Chemie - International Edition, 2015, 54, 4553-4556.	13.8	195
41	TiO₂-based heterojunction photocatalysts for photocatalytic reduction of CO₂into solar fuels. Journal of Materials Chemistry A, 2018, 6, 22411-22436.	10.3	195
42	Visible light-driven Câˆ’H activation and Câ€“C coupling of methanol into ethylene glycol. Nature Communications, 2018, 9, 1181.	12.8	188
43	Structure and catalytic performance of alumina-supported copperâ€“cobalt catalysts for carbon monoxide hydrogenation. Journal of Catalysis, 2012, 286, 51-61.	6.2	186
44	Epoxidation of styrene with molecular oxygen catalyzed by cobalt(II)-containing molecular sieves. Journal of Catalysis, 2005, 230, 384-397.	6.2	181
45	Direct conversion of methane to synthesis gas through gasâ€“solid reaction using CeO2â€“ZrO2 solid solution at moderate temperature. Applied Catalysis A: General, 1999, 183, 317-324.	4.3	180
46	Carbon nanotube-supported gold nanoparticles as efficient catalysts for selective oxidation of cellobiose into gluconic acid in aqueous medium. Chemical Communications, 2009, , 7179.	4.1	178
47	Synthesis of lower olefins by hydrogenation of carbon dioxide over supported iron catalysts. Catalysis Today, 2013, 215, 186-193.	4.4	175
48	Sizeâ€•Dependent Catalytic Activity of Supported Palladium Nanoparticles for Aerobic Oxidation of Alcohols. Advanced Synthesis and Catalysis, 2008, 350, 453-464.	4.3	174
49	Catalytic amino acid production from biomass-derived intermediates. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 5093-5098.	7.1	168
50	Fischerâ€“Tropsch Catalysts for the Production of Hydrocarbon Fuels with High Selectivity. ChemSusChem, 2014, 7, 1251-1264.	6.8	164
51	Tandem Catalysis for Hydrogenation of CO and CO₂ to Lower Olefins with Bifunctional Catalysts Composed of Spinel Oxide and SAPO-34. ACS Catalysis, 2020, 10, 8303-8314.	11.2	157
52	Single-pass transformation of syngas into ethanol with high selectivity by triple tandem catalysis. Nature Communications, 2020, 11, 827.	12.8	156
53	Polyoxometalates as efficient catalysts for transformations of cellulose into platform chemicals. Dalton Transactions, 2012, 41, 9817.	3.3	153
54	Pore size effects in high-temperature Fischerâ€“Tropsch synthesis over supported iron catalysts. Journal of Catalysis, 2015, 328, 139-150.	6.2	151

#	Article	IF	Citations
55	Mesoporous Beta Zeolite-Supported Ruthenium Nanoparticles for Selective Conversion of Synthesis Gas to C₅â€“C₁₁ Isoparaffins. ACS Catalysis, 2012, 2, 441-449.	11.2	149
56	Transformation of Cellulose and its Derived Carbohydrates into Formic and Lactic Acids Catalyzed by Vanadyl Cations. ChemSusChem, 2014, 7, 1557-1567.	6.8	148
57	Catalytic transformations of cellulose and cellulose-derived carbohydrates into organic acids. Catalysis Today, 2014, 234, 31-41.	4.4	147
58	Direct Conversion of Syngas into Methyl Acetate, Ethanol, and Ethylene by Relay Catalysis via the Intermediate Dimethyl Ether. Angewandte Chemie - International Edition, 2018, 57, 12012-12016.	13.8	142
59	Pyrolysis of Metalâ€“Organic Frameworks to Fe₃O₄@Fe₅C₂ Coreâ€“Shell Nanoparticles for Fischerâ€“Tropsch Synthesis. ACS Catalysis, 2016, 6, 3610-3618.	11.2	138
60	Manganese-containing MCM-41 for epoxidation of styrene and stilbene. Journal of Molecular Catalysis A, 2002, 188, 189-200.	4.8	135
61	Synthesis of SBA-15 with different pore sizes and the utilization as supports of high loading of cobalt catalysts. Catalysis Today, 2001, 68, 3-9.	4.4	133
62	Gold nanoparticles on hydrotalcites as efficient catalysts for oxidant-free dehydrogenation of alcohols. Chemical Communications, 2010, 46, 1547.	4.1	133
63	Selective Conversion of Cellobiose and Cellulose into Gluconic Acid in Water in the Presence of Oxygen, Catalyzed by Polyoxometalateâ€Supported Gold Nanoparticles. Chemistry - A European Journal, 2012, 18, 2938-2947.	3.3	132
64	Conversion of cellobiose into sorbitol in neutral water medium over carbon nanotube-supported ruthenium catalysts. Journal of Catalysis, 2010, 271, 22-32.	6.2	131
65	Characterizations and catalytic properties of Cr-MCM-41 prepared by direct hydrothermal synthesis and template-ion exchange. Journal of Catalysis, 2003, 220, 347-357.	6.2	130
66	Recent advances in understanding the key catalyst factors for Fischer-Tropsch synthesis. Journal of Energy Chemistry, 2013, 22, 27-38.	12.9	130
67	Vanadium-Containing MCM-41 for Partial Oxidation of Lower Alkanes. Journal of Catalysis, 2001, 202, 308-318.	6.2	129
68	Ligand-Controlled Photocatalysis of CdS Quantum Dots for Lignin Valorization under Visible Light. ACS Catalysis, 2019, 9, 8443-8451.	11.2	128
69	Acid-catalysed direct transformation of cellulose into methyl glucosides in methanol at moderate temperatures. Chemical Communications, 2010, 46, 2668.	4.1	126
70	Selective Electrooxidation of Biomassâ€Derived Alcohols to Aldehydes in a Neutral Medium: Promoted Water Dissociation over a Nickelâ€Oxideâ€Supported Ruthenium Singleâ€Atom Catalyst. Angewandte Chemie - International Edition, 2022, 61, .	13.8	125
71	MCM-41-supported iron phosphate catalyst for partial oxidation of methane to oxygenates with oxygen and nitrous oxide. Journal of Catalysis, 2003, 217, 457-467.	6.2	121
72	Characterizations of Cobalt Oxide Nanoparticles within Faujasite Zeolites and the Formation of Metallic Cobalt. Chemistry of Materials, 2004, 16, 1967-1976.	6.7	118

#	ARTICLE	IF	CITATIONS
73	Polyoxometalate-supported ruthenium nanoparticles as bifunctional heterogeneous catalysts for the conversions of cellobiose and cellulose into sorbitol under mild conditions. Chemical Communications, 2011, 47, 9717.	4.1	118
74	Direct and Highly Selective Conversion of Synthesis Gas into Lower Olefins: Design of a Bifunctional Catalyst Combining Methanol Synthesis and Carbonâ€“Carbon Coupling. Angewandte Chemie, 2016, 128, 4803-4806.	2.0	115
75	Size dependence in solvent-free aerobic oxidation of alcohols catalyzed by zeolite-supported palladium nanoparticles. Applied Catalysis A: General, 2008, 334, 217-226.	4.3	113
76	Functionalized Carbon Nanotubes for Biomass Conversion: The Baseâ€Free Aerobic Oxidation of 5â€Hydroxymethylfurfural to 2,5â€Furandicarboxylic Acid over Platinum Supported on a Carbon Nanotube Catalyst. ChemCatChem, 2015, 7, 2853-2863.	3.7	113
77	Selectivity Control in Photocatalytic Valorization of Biomass-Derived Platform Compounds by Surface Engineering of Titanium Oxide. CheM, 2020, 6, 3038-3053.	11.7	112
78	Hydrous ruthenium oxide supported on Co3O4 as efficient catalyst for aerobic oxidation of amines. Green Chemistry, 2008, 10, 553.	9.0	111
79	A metal-free catalytic system for the oxidation of benzylic methylenes and primary amines under solvent-free conditions. Green Chemistry, 2009, 11, 1973.	9.0	111
80	Catalytic Conversion of Ethylene to Propylene and Butenes over Hâˆ'ZSM-5. Industrial & Engineering Chemistry Research, 2009, 48, 10788-10795.	3.7	111
81	Transformation of Methane to Propylene: A Twoâ€Step Reaction Route Catalyzed by Modified CeO₂ Nanocrystals and Zeolites. Angewandte Chemie - International Edition, 2012, 51, 2438-2442.	13.8	110
82	Selective Transformation of Syngas into Gasolineâ€Range Hydrocarbons over Mesoporous Hâ€ZSMâ€5â€Supported Cobalt Nanoparticles. Chemistry - A European Journal, 2015, 21, 1928-1937.	3.3	110
83	Photocatalytic and electrocatalytic transformations of C1 molecules involving Câ€“C coupling. Energy and Environmental Science, 2021, 14, 37-89.	30.8	110
84	Transformation of cellulose and related carbohydrates into lactic acid with bifunctional Al(<scp>iii</scp>)â€“Sn(<scp>ii</scp>) catalysts. Green Chemistry, 2018, 20, 735-744.	9.0	109
85	Metal Sulfide Photocatalysts for Lignocellulose Valorization. Advanced Materials, 2021, 33, e2007129.	21.0	106
86	Nanoâ€CuOâ€Catalyzed Ullmann Coupling of Phenols with Aryl Halides under Ligandâ€Free Conditions. European Journal of Organic Chemistry, 2008, 2008, 5112-5116.	2.4	103
87	Engineering Interface with One-Dimensional Co₃O₄ Nanostructure in Catalytic Membrane Electrode: Toward an Advanced Electrocatalyst for Alcohol Oxidation. ACS Nano, 2017, 11, 12365-12377.	14.6	103
88	Manganese-promoted cobalt oxide as efficient and stable non-noble metal catalyst for preferential oxidation of CO in H2 stream. Applied Catalysis B: Environmental, 2011, 102, 207-214.	20.2	99
89	Visualizing Element Migration over Bifunctional Metalâ€Zeolite Catalysts and its Impact on Catalysis. Angewandte Chemie - International Edition, 2021, 60, 17735-17743.	13.8	99
90	Selective electrocatalytic conversion of methane to fuels and chemicals. Journal of Energy Chemistry, 2018, 27, 1629-1636.	12.9	97

#	Article	IF	Citations
91	Effect of size of catalytically active phases in the dehydrogenation of alcohols and the challenging selective oxidation of hydrocarbons. Chemical Communications, 2011, 47, 9275.	4.1	96
92	Oxidative Dehydrogenation of Propane to Propylene in the Presence of HCl Catalyzed by CeO₂ and NiO-Modified CeO₂ Nanocrystals. ACS Catalysis, 2018, 8, 4902-4916.	11.2	95
93	Osmium-Catalyzed Selective Oxidations of Methane and Ethane with Hydrogen Peroxide in Aqueous Medium. Advanced Synthesis and Catalysis, 2007, 349, 1199-1209.	4.3	94
94	Support effects in high temperature Fischer-Tropsch synthesis on iron catalysts. Applied Catalysis A: General, 2014, 488, 66-77.	4.3	92
95	Metallic Nanocatalysis: An Accelerating Seamless Integration with Nanotechnology. Small, 2015, 11, 268-289.	10.0	92
96	Copper-catalyzed propylene epoxidation by molecular oxygen: Superior catalytic performances of halogen-free K+-modified CuOx/SBA-15. Journal of Catalysis, 2006, 241, 225-228.	6.2	91
97	Dehydrogenation of ethylbenzene with CO2 over Cr-MCM-41 catalyst. Journal of Molecular Catalysis A, 2005, 230, 49-58.	4.8	90
98	Metal-free, robust, and regenerable 3D grapheneâ€“organics aerogel with high and stable photosensitization efficiency. Journal of Catalysis, 2017, 346, 21-29.	6.2	86
99	Visibleâ€Lightâ€Driven Cleavage of Câˆ’O Linkage for Lignin Valorization to Functionalized Aromatics. ChemSusChem, 2019, 12, 5023-5031.	6.8	86
100	Multiscale carbon foam confining single iron atoms for efficient electrocatalytic CO2 reduction to CO. Nano Research, 2019, 12, 2313-2317.	10.4	86
101	Monodispersed sub-5.0 nm PtCu nanoalloys as enhanced bifunctional electrocatalysts for oxygen reduction reaction and ethanol oxidation reaction. Nanoscale, 2017, 9, 2963-2968.	5.6	85
102	Iron-containing MCM-41 catalysts for Baeyerâ€“Villiger oxidation of ketones using molecular oxygen and benzaldehyde. Journal of Molecular Catalysis A, 2005, 236, 99-106.	4.8	84
103	Solvent-Free Aerobic Oxidation of Alcohols Catalyzed by an Efficient and Recyclable Palladium Heterogeneous Catalyst. Advanced Synthesis and Catalysis, 2005, 347, 1356-1360.	4.3	84
104	Stabilization of Îµ-iron carbide as high-temperature catalyst under realistic Fischerâ€“Tropsch synthesis conditions. Nature Communications, 2020, 11, 6219.	12.8	83
105	The active sites of Cuâ€“ZnO catalysts for water gas shift and CO hydrogenation reactions. Nature Communications, 2021, 12, 4331.	12.8	83
106	Active site and reaction mechanism for the epoxidation of propylene by oxygen over CuOx/SiO2 catalysts with and without Cs+ modification. Journal of Catalysis, 2013, 299, 53-66.	6.2	81
107	Co2+-Exchanged faujasite zeolites as efficient heterogeneous catalysts for epoxidation of styrene with molecular oxygen. Chemical Communications, 2004, , 440.	4.1	79
108	Mgâ€“Feâ€“Al mixed oxides with mesoporous properties prepared from hydrotalcite as precursors: Catalytic behavior in ethylbenzene dehydrogenation. Applied Catalysis A: General, 2005, 288, 220-231.	4.3	78

#	Article	IF	Citations
109	Sodium-promoted iron catalysts prepared on different supports for high temperature Fischerâ€"Tropsch synthesis. Applied Catalysis A: General, 2015, 502, 204-214.	4.3	78
110	Novel utilization of mesoporous molecular sieves as supports of cobalt catalysts in Fischerâ€"Tropsch synthesis. Catalysis Today, 2004, 89, 419-429.	4.4	77
111	Catalytic Oxidation of Methane to Methanol with H2-O2 Gas Mixture at Atmospheric Pressure. Journal of Catalysis, 1995, 155, 256-267.	6.2	76
112	Direct transformation of cellulose into methyl and ethyl glucosides in methanol and ethanol media catalyzed by heteropolyacids. Catalysis Today, 2011, 164, 461-466.	4.4	76
113	Catalytic transformations of cellulose and its derived carbohydrates into 5-hydroxymethylfurfural, levulinic acid, and lactic acid. Science China Chemistry, 2015, 58, 29-46.	8.2	76
114	Catalytic conversion of cellulose-based biomass and glycerol to lactic acid. Journal of Energy Chemistry, 2019, 32, 138-151.	12.9	74
115	The role of carbon pre-coating for the synthesis of highly efficient cobalt catalysts for Fischerâ€"Tropsch synthesis. Journal of Catalysis, 2016, 337, 260-271.	6.2	72
116	SBA-15-supported iron phosphate catalyst for partial oxidation of methane to formaldehyde. Catalysis Today, 2004, 93-95, 155-161.	4.4	71
117	Hydrogenation of carbon dioxide to light olefins over non-supported iron catalyst. Chinese Journal of Catalysis, 2013, 34, 956-963.	14.0	71
118	Catalytic Transformation of Cellulose and Its Derivatives into Functionalized Organic Acids. ChemSusChem, 2018, 11, 1995-2028.	6.8	71
119	SBA-15-supported molybdenum oxides as efficient catalysts for selective oxidation of ethane to formaldehyde and acetaldehyde by oxygen. Journal of Catalysis, 2007, 247, 245-255.	6.2	69
120	Fluoride-treated H-ZSM-5 as a highly selective and stable catalyst for the production of propylene from methyl halides. Journal of Catalysis, 2012, 295, 232-241.	6.2	68
121	Cu(I)-Catalyzed Epoxidation of Propylene by Molecular Oxygen. Journal of Physical Chemistry C, 2008, 112, 7731-7734.	3.1	67
122	Copper-based efficient catalysts for propylene epoxidation by molecular oxygen. Catalysis Today, 2008, 131, 496-504.	4.4	66
123	Tandem catalysis with double-shelled hollow spheres. Nature Materials, 2022, 21, 572-579.	27.5	65
124	Advances in Catalysis for Syngas Conversion to Hydrocarbons. Advances in Catalysis, 2017, , 125-208.	0.2	64
125	Iron-catalyzed propylene epoxidation by nitrous oxide: Toward understanding the nature of active iron sites with modified Fe-MFI and Fe-MCM-41 catalysts. Journal of Catalysis, 2006, 239, 105-116.	6.2	62
126	Copper-catalyzed propylene epoxidation by oxygen: Significant promoting effect of vanadium on unsupported copper catalyst. Journal of Catalysis, 2010, 276, 76-84.	6.2	62

#	Article	IF	Citations
127	Significant effect of acidity on catalytic behaviors of Cs-substituted polyoxometalates for oxidative dehydrogenation of propane. Applied Catalysis A: General, 2008, 349, 212-221.	4.3	61
128	Carbon-supported palladium catalysts for the direct synthesis of hydrogen peroxide from hydrogen and oxygen. Journal of Catalysis, 2014, 319, 15-26.	6.2	61
129	In-situ confinement of ultrasmall palladium nanoparticles in silicalite-1 for methane combustion with excellent activity and hydrothermal stability. Applied Catalysis B: Environmental, 2020, 276, 119142.	20.2	61
130	Carbon Dioxide as Oxidant for the Conversion of Methane to Ethane and Ethylene Using Modified CeO2 Catalysts. Journal of Catalysis, 1999, 186, 160-168.	6.2	59
131	Iron-Catalyzed Propylene Epoxidation by Nitrous Oxide:â€‰ Studies on the Effects of Alkali Metal Salts. Journal of Physical Chemistry B, 2005, 109, 23500-23508.	2.6	59
132	Câ€“H activations of methanol and ethanol and Câ€“C couplings into diols by zincâ€“indiumâ€“sulfide under visible light. Chemical Communications, 2020, 56, 1776-1779.	4.1	59
133	Partial Oxidation of Ethane by Reductively Activated Oxygen over Iron Phosphate Catalyst. Journal of Catalysis, 1997, 171, 106-114.	6.2	58
134	Cobalt and Copper Composite Oxides as Efficient Catalysts for Preferential Oxidation of CO in H2-Rich Stream. Catalysis Letters, 2009, 127, 377-385.	2.6	58
135	Selective hydrogenation of CO2 and CO into olefins over Sodium- and Zinc-Promoted iron carbide catalysts. Journal of Catalysis, 2021, 395, 350-361.	6.2	58
136	Influence of the support and promotion on the structure and catalytic performance of copperâ€“cobalt catalysts for carbon monoxide hydrogenation. Fuel, 2013, 103, 1111-1122.	6.4	57
137	Magnesia-supported gold nanoparticles as efficient catalysts for oxidative esterification of aldehydes or alcohols with methanol to methyl esters. Catalysis Today, 2014, 233, 147-154.	4.4	57
138	Catalytic transformation of cellulose and its derived carbohydrates into chemicals involving C C bond cleavage. Journal of Energy Chemistry, 2015, 24, 595-607.	12.9	55
139	Coordination structures of vanadium and iron in MCM-41 and the catalytic properties in partial oxidation of methane. Microporous and Mesoporous Materials, 2005, 77, 223-234.	4.4	54
140	Preparation, Characterization and Catalytic Activity of Palladium Nanoparticles Encapsulated in SBA-15. Catalysis Letters, 2008, 120, 126-136.	2.6	54
141	Impact of hierarchical pore structure on the catalytic performances of MFI zeolites modified by ZnO for the conversion of methanol to aromatics. Catalysis Science and Technology, 2017, 7, 3598-3612.	4.1	54
142	Direct conversion of cellulose into ethanol catalysed by a combination of tungstic acid and zirconia-supported Pt nanoparticles. Chemical Communications, 2019, 55, 4303-4306.	4.1	54
143	Efficient Catalysts for the Green Synthesis of Adipic Acid from Biomass. Angewandte Chemie - International Edition, 2021, 60, 4712-4719.	13.8	54
144	Visualizing Element Migration over Bifunctional Metalâ€Zeolite Catalysts and its Impact on Catalysis. Angewandte Chemie, 2021, 133, 17876-17884.	2.0	53

#	ARTICLE	IF	CITATIONS
145	Catalytic behavior and kinetic features of FeOx/SBA-15 catalyst for selective oxidation of methane by oxygen. Applied Catalysis A: General, 2009, 356, 103-111.	4.3	52
146	Cobalt nanoparticles prepared in faujasite zeolites by borohydride reduction. Microporous and Mesoporous Materials, 2005, 86, 38-49.	4.4	51
147	Rh-catalyzed syngas conversion to ethanol: Studies on the promoting effect of FeOx. Catalysis Today, 2011, 171, 257-265.	4.4	51
148	Critical Roles of Doping Cl on Cu₂O Nanocrystals for Direct Epoxidation of Propylene by Molecular Oxygen. Journal of the American Chemical Society, 2020, 142, 14134-14141.	13.7	51
149	Direct aromatization of CO2 via combined CO2 hydrogenation and zeolite-based acid catalysis. Journal of CO2 Utilization, 2021, 45, 101405.	6.8	51
150	Niobic Acid Nanosheets Synthesized by a Simple Hydrothermal Method as Efficient BrÃ¸nsted Acid Catalysts. Chemistry of Materials, 2013, 25, 3277-3287.	6.7	50
151	Selective Conversion of Syngas to Aromatics over a Moâˆ'ZrO₂/Hâ€ZSMâ€5 Bifunctional Catalyst. ChemCatChem, 2019, 11, 1681-1688.	3.7	50
152	Iron-containing heterogeneous catalysts for partial oxidation of methane and epoxidation of propylene. Catalysis Today, 2006, 117, 156-162.	4.4	49
153	Polyoxometalate-supported Pd nanoparticles as efficient catalysts for the direct synthesis of hydrogen peroxide in the absence of acid or halide promoters. Chemical Communications, 2009, , 5174.	4.1	49
154	Production of organic acids from biomass resources. Current Opinion in Green and Sustainable Chemistry, 2016, 2, 54-58.	5.9	49
155	Revealing the Doubleâ€Edged Sword Role of Graphene on Boosted Charge Transfer versus Active Site Control in TiO₂ Nanotube Arrays@RGO/MoS₂ Heterostructure. Small, 2018, 14, e1704531.	10.0	49
156	Title is missing!. Catalysis Letters, 2001, 72, 215-219.	2.6	48
157	A DNA-templated catalyst: the preparation of metal-DNA nanohybrids and their application in organic reactions. Chemical Communications, 2010, 46, 7912.	4.1	47
158	Selective activation of the Câ€"O bonds in lignocellulosic biomass for the efficient production of chemicals. Chinese Journal of Catalysis, 2015, 36, 1440-1460.	14.0	47
159	Subnanometer Bimetallic Platinumâ€"Zinc Clusters in Zeolites for Propane Dehydrogenation. Angewandte Chemie, 2020, 132, 19618-19627.	2.0	47
160	Plastic Waste Valorization by Leveraging Multidisciplinary Catalytic Technologies. ACS Catalysis, 2022, 12, 9307-9324.	11.2	47
161	Carbon fibers prepared by pyrolysis of methane over Ni/MCM-41 catalyst. Microporous and Mesoporous Materials, 2003, 57, 283-289.	4.4	45
162	Gallium nitride catalyzed the direct hydrogenation of carbon dioxide to dimethyl ether as primary product. Nature Communications, 2021, 12, 2305.	12.8	45

#	Article	IF	Citations
163	Iron-based heterogeneous catalysts for epoxidation of alkenes using molecular oxygen. Catalysis Communications, 2004, 5, 665-669.	3.3	44
164	Copper-Catalyzed Selective Oxidation of Methane by Oxygen: Studies on Catalytic Behavior and Functioning Mechanism of CuOx/SBA-15. Journal of Physical Chemistry C, 2008, 112, 13700-13708.	3.1	44
165	SrNb₂O₆ nanoplates as efficient photocatalysts for the preferential reduction of CO₂ in the presence of H₂O. Chemical Communications, 2015, 51, 3430-3433.	4.1	44
166	Reaction Mechanisms of Wellâ€Defined Metalâ€“N₄ Sites in Electrocatalytic CO₂ Reduction. Angewandte Chemie, 2018, 130, 16577-16580.	2.0	44
167	Zn and Na promoted Fe catalysts for sustainable production of high-valued olefins by CO2 hydrogenation. Fuel, 2022, 309, 122105.	6.4	44
168	Tunable localized surface plasmon resonances in MoO3âˆ’-TiO2 nanocomposites with enhanced catalytic activity for CO2 photoreduction under visible light. Chinese Journal of Catalysis, 2020, 41, 1125-1131.	14.0	43
169	Plasmonic nanoreactors regulating selective oxidation by energetic electrons and nanoconfined thermal fields. Science Advances, 2021, 7, .	10.3	43
170	Mesoporous Zeolite Y-Supported Co Nanoparticles as Efficient Fischerâ€“Tropsch Catalysts for Selective Synthesis of Diesel Fuel. Industrial & Engineering Chemistry Research, 2016, 55, 13008-13019.	3.7	42
171	CaOâ€“ZnO Catalyst for Selective Conversion of Methane to C2 Hydrocarbons Using Carbon Dioxide as the Oxidant. Journal of Catalysis, 2000, 192, 252-255.	6.2	41
172	Mn-based binary oxides as catalysts for the conversion of methane to C2 hydrocarbons with carbon dioxide as oxidant. Applied Catalysis A: General, 2001, 219, 183-193.	4.3	41
173	A Comparative Study of Size Effects in the Auâ€Catalyzed Oxidative and Nonâ€Oxidative Dehydrogenation of Benzyl Alcohol. Chemistry - an Asian Journal, 2014, 9, 2187-2196.	3.3	41
174	Catalytic transformation of 2,5-furandicarboxylic acid to adipic acid over niobic acid-supported Pt nanoparticles. Chemical Communications, 2019, 55, 8013-8016.	4.1	41
175	Selective Electrooxidation of Biomassâ€Derived Alcohols to Aldehydes in a Neutral Medium: Promoted Water Dissociation over a Nickelâ€Oxideâ€Supported Ruthenium Singleâ€Atom Catalyst. Angewandte Chemie, 2022, 134, .	2.0	41
176	Carbon nanotube-supported Auâ€“Pd alloy with cooperative effect of metal nanoparticles and organic ketone/quinone groups as a highly efficient catalyst for aerobic oxidation of amines. Chemical Communications, 2016, 52, 6805-6808.	4.1	40
177	Zirconia-supported rhenium oxide as an efficient catalyst for the synthesis of biomass-based adipic acid ester. Chemical Communications, 2019, 55, 11017-11020.	4.1	40
178	Direct conversion of methane to methyl acetate with nitrous oxide and carbon monoxide over heterogeneous catalysts containing both rhodium and iron phosphate. Journal of Catalysis, 2005, 233, 221-233.	6.2	39
179	Ru particle size effect in Ru/CNT-catalyzed Fischer-Tropsch synthesis. Journal of Energy Chemistry, 2013, 22, 321-328.	12.9	39
180	Nickel and indium core-shell co-catalysts loaded silicon nanowire arrays for efficient photoelectrocatalytic reduction of CO2 to formate. Journal of Energy Chemistry, 2021, 54, 422-428.	12.9	38

#	Article	IF	Citations
181	Synthesis of hierarchical SAPO-34 to improve the catalytic performance of bifunctional catalysts for syngas-to-olefins reactions. Journal of Catalysis, 2021, 394, 181-192.	6.2	38
182	Superior catalytic performance of phosphorus-modified molybdenum oxide clusters encapsulated inside SBA-15 in the partial oxidation of methane. New Journal of Chemistry, 2003, 27, 1301.	2.8	37
183	Polyaniline-supported iron catalyst for selective synthesis of lower olefins from syngas. Journal of Energy Chemistry, 2017, 26, 608-615.	12.9	37
184	Electron penetration triggering interface activity of Pt-graphene for CO oxidation at room temperature. Nature Communications, 2021, 12, 5814.	12.8	37
185	Selective oxidation of methane to formaldehyde by oxygen over silica-supported iron catalysts. Journal of Natural Gas Chemistry, 2009, 18, 288-294.	1.8	36
186	Development of Bifunctional Catalysts for the Conversions of Cellulose or Cellobiose into Polyols and Organic Acids in Water. Catalysis Surveys From Asia, 2012, 16, 91-105.	2.6	36
187	Photoelectrocatalytic reduction of CO₂ to syngas over Ag nanoparticle modified p-Si nanowire arrays. Nanoscale, 2019, 11, 12530-12536.	5.6	36
188	Carbon dioxide-enhanced photosynthesis of methane and hydrogen from carbon dioxide and water over Pt-promoted polyanilineâ€"TiO₂ nanocomposites. Chemical Communications, 2015, 51, 13654-13657.	4.1	35
189	An Efficient Synthesis of Helical Mesoporous Silica Nanorods. Chemistry Letters, 2006, 35, 190-191.	1.3	34
190	Iron-catalyzed propylene epoxidation by nitrous oxide: Effect of boron on structure and catalytic behavior of alkali metal ion-modified FeOx/SBA-15. Journal of Catalysis, 2008, 254, 251-262.	6.2	34
191	CoSe₂ Nanoparticles Dispersed in WSe₂ Nanosheets for Efficient Electrocatalysis and Supercapacitance Applications. ACS Applied Nano Materials, 2021, 4, 5796-5807.	5.0	33
192	Excellent Catalytic Performances of SBA-15-supported Vanadium Oxide for Partial Oxidation of Methane to Formaldehyde. Chemistry Letters, 2003, 32, 860-861.	1.3	32
193	NiOâ€"polyoxometalate nanocomposites as efficient catalysts for the oxidative dehydrogenation of propane and isobutane. Chemical Communications, 2009, , 2376.	4.1	31
194	Copper grafted on SBA-15 as efficient catalyst for the selective oxidation of methane by oxygen. Catalysis Today, 2010, 157, 143-148.	4.4	31
195	Selective Hydrogenation of CO₂ to Ethanol over Sodium-Modified Rhodium Nanoparticles Embedded in Zeolite Silicalite-1. Journal of Physical Chemistry C, 2021, 125, 24429-24439.	3.1	31
196	Hydrothermal synthesis of long-chain hydrocarbons up to C ₂₄ with NaHCO ₃ -assisted stabilizing cobalt. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	31
197	Distance for Communication between Metal and Acid Sites for Syngas Conversion. ACS Catalysis, 2022, 12, 8793-8801.	11.2	31
198	Preparation of metallic cobalt inside NaY zeolite with high catalytic activity in Fischerâ€"Tropsch synthesis. Catalysis Communications, 2003, 4, 253-258.	3.3	30

#	ARTICLE	IF	CITATIONS
199	Photocatalytic coupling of formaldehyde to ethylene glycol and glycolaldehyde over bismuth vanadate with controllable facets and cocatalysts. Catalysis Science and Technology, 2017, 7, 923-933.	4.1	30
200	Direct conversion of syngas into aromatics over a bifunctional catalyst: inhibiting net CO₂ release. Chemical Communications, 2020, 56, 5239-5242.	4.1	30
201	Z-Scheme nanocomposite with high redox ability for efficient cleavage of lignin Câ€"C bonds under simulated solar light. Green Chemistry, 2021, 23, 10071-10078.	9.0	30
202	Electrocatalytic oxidation of carbon monoxide and methanol at Pt nanoparticles confined in SBA-15: voltammetric and in situ infrared spectroscopic studies. Journal of Solid State Electrochemistry, 2005, 9, 363-370.	2.5	29
203	Functionalized Carbon Materials in Syngas Conversion. Small, 2021, 17, e2007527.	10.0	29
204	Upcycling Plastic Wastes into Valueâ€Added Products by Heterogeneous Catalysis. ChemSusChem, 2022, 15, .	6.8	29
205	Iron-catalysed propylene epoxidation by nitrous oxide: dramatic shift of allylic oxidation to epoxidation by the modification with alkali metal salts. Chemical Communications, 2004, , 1396.	4.1	28
206	Effect of zeolite topology on the hydrocarbon distribution over bifunctional ZnAlO/SAPO catalysts in syngas conversion. Catalysis Today, 2021, 371, 85-92.	4.4	28
207	Carbon dioxide-induced selective conversion of methane to C2 hydrocarbons on CeO2 modified with CaO. Applied Catalysis A: General, 1998, 172, L203-L206.	4.3	26
208	Selective oxidation of hydrocarbons catalyzed by iron-containing heterogeneous catalysts. Research on Chemical Intermediates, 2006, 32, 235-251.	2.7	26
209	Iridium boosts the selectivity and stability of cobalt catalysts for syngas to liquid fuels. CheM, 2022, 8, 1050-1066.	11.7	26
210	Catalytic oxidation of methane to methanol initiated in a gas mixture of hydrogen and oxygen. Journal of the Chemical Society Chemical Communications, 1994, , 2209.	2.0	25
211	Structure of catalytic active site for oxidation of methane to methanol by H2î—¸O2 gas mixture over iron-containing catalysts. Journal of Molecular Catalysis A, 1996, 111, 341-356.	4.8	25
212	Finely Composition-Tunable Synthesis of Ultrafine Wavy PtRu Nanowires as Effective Electrochemical Sensors for Dopamine Detection. Langmuir, 2017, 33, 8070-8075.	3.5	25
213	Kinetic study of the partial oxidation of methane over Fe2(MoO4)3 catalyst. Journal of the Chemical Society, Faraday Transactions, 1993, 89, 4225.	1.7	24
214	Direct conversion of methane and ethane to the corresponding alcohols using nitrous oxide over iron phosphate catalysts. Journal of the Chemical Society, Faraday Transactions, 1995, 91, 3953.	1.7	24
215	Simple Metal Oxides as Efficient Heterogeneous Catalysts for Epoxidation of Alkenes by Molecular Oxygen. Chemistry Letters, 2004, 33, 1140-1141.	1.3	24
216	Selective oxidation of methane to formaldehyde by oxygen over SBA-15-supported molybdenum oxides. Applied Catalysis A: General, 2008, 350, 118-125.	4.3	24

#	Article	IF	Citations
217	Significant Synergistic Effect between Supported Ruthenium and Copper Oxides for Propylene Epoxidation by Oxygen. ChemPlusChem, 2012, 77, 27-30.	2.8	23
218	Mesoporous H-ZSM-5 as an efficient catalyst for conversions of cellulose and cellobiose into methyl glucosides in methanol. Catalysis Today, 2016, 274, 60-66.	4.4	23
219	Oxidant-Free Dehydrogenation of Alcohols over Hydrotalcite-Supported Palla-dium Catalysts. Chinese Journal of Catalysis, 2010, 31, 1061-1070.	14.0	23
220	Efficient photocatalytic epoxidation of styrene over a quantum-sized SnO2 on carbon nitride as a heterostructured catalyst. Applied Catalysis B: Environmental, 2022, 309, 121268.	20.2	22
221	Ethanol synthesis from syngas over Cu(Pd)-doped Fe(100): a systematic theoretical investigation. Physical Chemistry Chemical Physics, 2018, 20, 2492-2507.	2.8	21
222	In situ FTIR study on the active oxygen species for the conversion of methane to methanol. Catalysis Letters, 1995, 35, 259-263.	2.6	20
223	Direct conversion of formaldehyde to ethylene glycol via photocatalytic carbonâ€“carbon coupling over bismuth vanadate. Catalysis Science and Technology, 2016, 6, 6485-6489.	4.1	20
224	A new horizontal in C1 chemistry: Highly selective conversion of syngas to light olefins by a novel OX-ZEO process. Journal of Energy Chemistry, 2016, 25, 169-170.	12.9	20
225	Solar energy-driven Câ^'H activation of methanol for direct Câ^'C coupling to ethylene glycol with high stability by nitrogen doped tantalum oxide. Chinese Journal of Catalysis, 2021, 42, 1459-1467.	14.0	20
226	Building premium secondary reaction field with a miniaturized capsule catalyst to realize efficient synthesis of a liquid fuel directly from syngas. Catalysis Science and Technology, 2017, 7, 1996-2000.	4.1	19
227	Utilization of Microporous and Mesoporous Materials as Supports of Cobalt Catalysts for Regulating Product Distributions in Fischerâ€“Tropsch Synthesis. Chemistry Letters, 2006, 35, 366-367.	1.3	18
228	Catalytic selective oxidation or oxidative functionalization of methane and ethane to organic oxygenates. Science China Chemistry, 2010, 53, 337-350.	8.2	18
229	Effects of acidity and microstructure on the catalytic behavior of cesium salts of 12-tungstophosphoric acid for oxidative dehydrogenation of propane. Applied Catalysis A: General, 2010, 380, 87-94.	4.3	18
230	Reductive activation of oxygen for partial oxidation of light alkanes. Studies in Surface Science and Catalysis, 1998, , 15-24.	1.5	17
231	Fe-MCM-41 for Selective Epoxidation of Styrene with Hydrogen Peroxide. Chemistry Letters, 2001, 30, 946-947.	1.3	17
232	Direct Conversion of Syngas into Methyl Acetate, Ethanol, and Ethylene by Relay Catalysis via the Intermediate Dimethyl Ether. Angewandte Chemie, 2018, 130, 12188-12192.	2.0	17
233	Ethane oxidative dehydrogenation over boron oxides supported on yttria stabilized zirconia. Catalysis Today, 1995, 24, 315-320.	4.4	16
234	Effective Catalysts for Conversion of Methane to Ethane and Ethylene Using Carbon Dioxide. Chemistry Letters, 1998, 27, 1209-1210.	1.3	16

#	Article	IF	Citations
235	Characterizations of Unsupported and Supported Rhodiumâˆ’Iron Phosphate Catalysts Effective for Oxidative Carbonylation of Methane. Journal of Physical Chemistry C, 2007, 111, 2044-2053.	3.1	16
236	Catalytic oxidation of ethylene and ethane to formaldehyde by oxygen. Journal of Catalysis, 2007, 250, 365-368.	6.2	15
237	Lithium ion-exchanged zeolite faujasite as support of iron catalyst for Fischer-Tropsch synthesis. Catalysis Letters, 2007, 114, 178-184.	2.6	15
238	Reaction coupling as a promising methodology for selective conversion of syngas into hydrocarbons beyond Fischer-Tropsch synthesis. Science China Chemistry, 2017, 60, 1382-1385.	8.2	15
239	Carbon nanotube-supported bimetallic Cu-Fe catalysts for syngas conversion to higher alcohols. Molecular Catalysis, 2019, 479, 110610.	2.0	15
240	Oxidative carbonylation of methane to methyl acetate on a rhodium-doped iron phosphate catalyst. Chemical Communications, 1997, , 1187-1188.	4.1	14
241	Title is missing!. Catalysis Letters, 1998, 56, 203-206.	2.6	14
242	Room-Temperature Conversion of Methane Becomes True. Joule, 2018, 2, 1399-1401.	24.0	14
243	Pore-mouth catalysis boosting the formation of iso-paraffins from syngas over bifunctional catalysts. Chinese Journal of Catalysis, 2021, 42, 2197-2205.	14.0	14
244	Oxidative dehydrogenation of ethane to ethylene in the presence of HCl over CeO2-based catalysts. Chinese Journal of Catalysis, 2014, 35, 1260-1266.	14.0	13
245	Size-Sensitive Dynamic Catalysis of Subnanometer Cu Clusters in CO₂ Dissociation. Journal of Physical Chemistry Letters, 2021, 12, 3891-3897.	4.6	13
246	Photocatalytic Câˆ’H activation and Câˆ’C coupling of monohydric alcohols. Catalysis Communications, 2021, 153, 106300.	3.3	13
247	Cr-MCM-41 for selective dehydrogenation of lower alkanes with carbon dioxide. Studies in Surface Science and Catalysis, 2003, 146, 725-728.	1.5	12
248	Pd/Graphite as a Superior Catalyst for the Direct Synthesis of Hydrogen Peroxide from H2 and O2. Chemistry Letters, 2009, 38, 256-257.	1.3	12
249	Mononuclear Bis(imino)arylcopper(I) Nâ€Heterocyclic Carbene Complex: Synthesis, Structure, and Reaction with Organic Azide. European Journal of Inorganic Chemistry, 2010, 2010, 4506-4512.	2.0	12
250	Cs-substituted tungstophosphate-supported ruthenium nanoparticles as efficient and robust bifunctional catalysts for the conversion of inulin and cellulose into hexitols in water in the presence of H₂. RSC Advances, 2014, 4, 43131-43141.	3.6	12
251	Investigation of the Electronic Structure of CdS Nanoparticles with Sum Frequency Generation and Photoluminescence Spectroscopy. Journal of Physical Chemistry C, 2019, 123, 27712-27716.	3.1	12
252	Selective Oxidation of Methane to Methanol over FePO4Using N2O and H2at Low Temperatures. Chemistry Letters, 1994, 23, 1893-1896.	1.3	11

#	Article	IF	Citations
253	Partial oxidation of methane with N2O over Fe2(MoO4)3 catalyst. Catalysis Letters, 1994, 24, 85-94.	2.6	10
254	Copper-catalyzed Selective Oxidation of Methane to Formaldehyde by Oxygen. Chemistry Letters, 2006, 35, 572-573.	1.3	10
255	Studies on the Removal of Bromocresol Green from Water by Solvent Sublation. Separation Science and Technology, 2007, 42, 1901-1911.	2.5	10
256	Catalytic conversion of methyl chloride to lower olefins over modified H-ZSM-34. Chinese Journal of Catalysis, 2013, 34, 2047-2056.	14.0	10
257	Catalytic valorization of biomass and bioplatforms to chemicals through deoxygenation. Advances in Catalysis, 2020, , 1-108.	0.2	9
258	Selective Transformation of Methanol to Ethanol in the Presence of Syngas over Composite Catalysts. ACS Catalysis, 2022, 12, 8451-8461.	11.2	9
259	Study on the Anti-Coking Nature of Ni/SrTiO3 Catalysts by the CH4 Pyrolysis. Catalysis Letters, 2001, 76, 183-192.	2.6	8
260	CO Dissociation Mechanism on Pd-Doped Fe(100): Comparison with Cu/Fe(100). Journal of Physical Chemistry C, 2017, 121, 6820-6834.	3.1	8
261	Partial oxidation of methane and ethane to oxygenates over silica supported rhenium oxide. Reaction Kinetics and Catalysis Letters, 2003, 79, 127-133.	0.6	7
262	Copperâ€"cobalt catalysts supported on mechanically mixed HZSM-5 and Î³-Al2O3 for higher alcohols synthesis via carbon monoxide hydrogenation. RSC Advances, 2019, 9, 14592-14598.	3.6	7
263	Understanding Catalytic Mechanisms of Alkane Oxychlorination from the Perspective of Energy Levels. Journal of Physical Chemistry C, 2020, 124, 6070-6077.	3.1	7
264	Efficient Catalysts for the Green Synthesis of Adipic Acid from Biomass. Angewandte Chemie, 2021, 133, 4762-4769.	2.0	7
265	Low-temperature liquid reflux synthesis of core@shell structured Ni@Fe-doped NiCo nanoparticles decorated on carbon nanotubes as a bifunctional electrocatalyst for Znâ€"air batteries. Journal of Materials Chemistry A, 2022, 10, 13088-13096.	10.3	7
266	Functionalized Carbon Materials in Syngas Conversion (Small 48/2021). Small, 2021, 17, 2170256.	10.0	6
267	Structural dynamics of Ru clusters during nitrogen dissociation in ammonia synthesis. Physical Chemistry Chemical Physics, 2022, 24, 10820-10825.	2.8	6
268	The active oxygen for direct oxidation of methane to methanol in the presence of hydrogen. Studies in Surface Science and Catalysis, 1996, 101, 397-406.	1.5	5
269	Catalysis of Methane Coupling with Carbon Dioxide Over Binary Oxides. Topics in Catalysis, 2003, 22, 71-75.	2.8	5
270	Direct oxidation of propane to acrolein over MCM41-supported MoVTe mixed oxide catalysts. Catalysis Communications, 2004, 5, 697-701.	3.3	5

#	ARTICLE	IF	CITATIONS
271	Frontispiece: Subnanometer Bimetallic Platinumâ€“Zinc Clusters in Zeolites for Propane Dehydrogenation. Angewandte Chemie - International Edition, 2020, 59, .	13.8	5
272	Partial oxidation of methane over iron molybdate catalyst. Studies in Surface Science and Catalysis, 1994, 81, 503-508.	1.5	4
273	UV Raman Spectroscopy for Characterization of Chromium Species on Cr-MCM-41. Chemistry Letters, 2002, 31, 1152-1153.	1.3	4
274	Excellence <i>versus</i> Diversity? Not an Either/Or Choice. ACS Catalysis, 2020, 10, 7310-7311.	11.2	4
275	V-MCM-41 for Selective Oxidation of Propane to Propene and Acrolein. Chemistry Letters, 2001, 30, 194-195.	1.3	3
276	Fe-MCM-41 for N2O Decomposition and Reduction with Methane. Chemistry Letters, 2006, 35, 544-545.	1.3	3
277	Photocatalysis: Revealing the Double-Edged Sword Role of Graphene on Boosted Charge Transfer versus Active Site Control in TiO2 Nanotube Arrays@RGO/MoS2 Heterostructure (Small 21/2018). Small, 2018, 14, 1870096.	10.0	3
278	Boron-modified Chlorine-free K+â€“FeOx/SBA-15 as Highly Effective Catalyst for Propylene Epoxidation by Nitrous Oxide. Chemistry Letters, 2007, 36, 786-787.	1.3	2
279	Relay catalysis in the conversion of syngas. Chinese Science Bulletin, 2021, 66, 1157-1169.	0.7	2
280	Charge State Dependence of Phase Transition Catalysis of Dynamic Cu Clusters in CO₂ Dissociation. Journal of Physical Chemistry C, 2021, 125, 27615-27623.	3.1	2
281	Cover Feature: Upcycling Plastic Wastes into Valueâ€Added Products by Heterogeneous Catalysis (ChemSusChem 14/2022). ChemSusChem, 2022, 15, .	6.8	2
282	53 Leaching features of Fe-MCM-41 during epoxidation of alkene with hydrogen peroxide. Studies in Surface Science and Catalysis, 2003, 145, 263-266.	1.5	1
283	Superior catalytic activity of nano-sized metallic cobalt inside faujasite zeolite for Fischer-Tropsch synthesis. Studies in Surface Science and Catalysis, 2004, 147, 325-330.	1.5	1
284	Direct and selective methanation of biomass via oxygen vacancy-mediated catalysis. Chinese Journal of Catalysis, 2021, 42, 2091-2093.	14.0	1
285	Selectivity tuning for the hydrogenation of carbon monoxide into hydrocarbons. Scientia Sinica Chimica, 2012, 42, 363-375.	0.4	1
286	Fe-MCM-41 catalyzed epoxidation of alkenes with hydrogen peroxide. Studies in Surface Science and Catalysis, 2003, 146, 625-628.	1.5	0
287	Excellent Catalytic Performances of SBA-15-Supported Vanadium Oxide for Partial Oxidation of Methane to Formaldehyde.. ChemInform, 2004, 35, no.	0.0	0
288	Iron-Catalyzed Propylene Epoxidation by Nitrous Oxide: Dramatic Shift of Allylic Oxidaton to Epoxidation by the Modification with Alkali Metal Salts.. ChemInform, 2004, 35, no.	0.0	0

#	Article	IF	Citations
289	Simple Metal Oxides as Efficient Heterogeneous Catalysts for Epoxidation of Alkenes by Molecular Oxygen.. ChemInform, 2005, 36, no.	0.0	0
290	Frontispiz: Subnanometer Bimetallic Platinumâ€"Zinc Clusters in Zeolites for Propane Dehydrogenation. Angewandte Chemie, 2020, 132, .	2.0	0