

Feng Wang

List of Publications by Year in descending order

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154
papers

10,656
citations

26567

56
h-index

35952

97
g-index

167
all docs

167
docs citations

167
times ranked

8276
citing authors

#	ARTICLE	IF	CITATIONS
1	Lignin depolymerization (LDP) in alcohol over nickel-based catalysts via a fragmentation-hydrogenolysis process. <i>Energy and Environmental Science</i> , 2013, 6, 994.	15.6	780
2	Guidelines for performing lignin-first biorefining. <i>Energy and Environmental Science</i> , 2021, 14, 262-292.	15.6	416
3	Photocatalytic transformations of lignocellulosic biomass into chemicals. <i>Chemical Society Reviews</i> , 2020, 49, 6198-6223.	18.7	374
4	Conversion of furfural into cyclopentanone over Ni-Cu bimetallic catalysts. <i>Green Chemistry</i> , 2013, 15, 1932.	4.6	294
5	Catalytic Lignin Depolymerization to Aromatic Chemicals. <i>Accounts of Chemical Research</i> , 2020, 53, 470-484.	7.6	280
6	Visible-light-driven coproduction of diesel precursors and hydrogen from lignocellulose-derived methylfurans. <i>Nature Energy</i> , 2019, 4, 575-584.	19.8	268
7	Heterogeneous Ceria Catalyst with Water-Tolerant Lewis Acidic Sites for One-Pot Synthesis of 1,3-Diols via Prins Condensation and Hydrolysis Reactions. <i>Journal of the American Chemical Society</i> , 2013, 135, 1506-1515.	6.6	237
8	Hydrogenolysis of lignosulfonate into phenols over heterogeneous nickel catalysts. <i>Chemical Communications</i> , 2012, 48, 7019.	2.2	219
9	Two-Step, Catalytic C-C Bond Oxidative Cleavage Process Converts Lignin Models and Extracts to Aromatic Acids. <i>ACS Catalysis</i> , 2016, 6, 6086-6090.	5.5	207
10	Photocatalytic Cleavage of C-C Bond in Lignin Models under Visible Light on Mesoporous Graphitic Carbon Nitride through π - π Stacking Interaction. <i>ACS Catalysis</i> , 2018, 8, 4761-4771.	5.5	205
11	Catalytic dehydration of glycerol over vanadium phosphate oxides in the presence of molecular oxygen. <i>Journal of Catalysis</i> , 2009, 268, 260-267.	3.1	194
12	Visible-Light-Driven Self-Hydrogen Transfer Hydrogenolysis of Lignin Models and Extracts into Phenolic Products. <i>ACS Catalysis</i> , 2017, 7, 4571-4580.	5.5	191
13	Sustainable Productions of Organic Acids and Their Derivatives from Biomass via Selective Oxidative Cleavage of C-C Bond. <i>ACS Catalysis</i> , 2018, 8, 2129-2165.	5.5	188
14	Promoting Lignin Depolymerization and Restraining the Condensation via an Oxidation-Hydrogenation Strategy. <i>ACS Catalysis</i> , 2017, 7, 3419-3429.	5.5	172
15	Photocatalytic Oxidation-Hydrogenolysis of Lignin β -O-4 Models via a Dual Light Wavelength Switching Strategy. <i>ACS Catalysis</i> , 2016, 6, 7716-7721.	5.5	165
16	Visible Light Gold Nanocluster Photocatalyst: Selective Aerobic Oxidation of Amines to Imines. <i>ACS Catalysis</i> , 2017, 7, 3632-3638.	5.5	165
17	Formal Direct Cross-Coupling of Phenols with Amines. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 14487-14491.	7.2	157
18	Acid-Promoter-Free Ethylene Methoxycarbonylation over Ru-Clusters/Ceria: The Catalysis of Interfacial Lewis Acid-Base Pair. <i>Journal of the American Chemical Society</i> , 2018, 140, 4172-4181.	6.6	157

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19	Catalytic oxidation of cyclohexane to cyclohexanol and cyclohexanone over Co ₃ O ₄ nanocrystals with molecular oxygen. <i>Applied Catalysis A: General</i> , 2005, 292, 223-228.	2.2	156
20	Oxidation of 5-hydroxymethylfurfural to maleic anhydride with molecular oxygen. <i>Green Chemistry</i> , 2011, 13, 554.	4.6	150
21	Ceria-Based Materials for Thermocatalytic and Photocatalytic Organic Synthesis. <i>ACS Catalysis</i> , 2021, 11, 9618-9678.	5.5	146
22	Carbon Modification of Nickel Catalyst for Depolymerization of Oxidized Lignin to Aromatics. <i>ACS Catalysis</i> , 2018, 8, 1614-1620.	5.5	134
23	Catalytic performance of vanadium pyrophosphate oxides (VPO) in the oxidative dehydration of glycerol. <i>Applied Catalysis A: General</i> , 2010, 376, 25-32.	2.2	133
24	The cascade synthesis of quinazolinones and quinazolines using an MnO ₂ catalyst and tert-butyl hydroperoxide (TBHP) as an oxidant. <i>Chemical Communications</i> , 2015, 51, 9205-9207.	2.2	120
25	Î ² -O-4 Bond Cleavage Mechanism for Lignin Model Compounds over Pd Catalysts Identified by Combination of First-Principles Calculations and Experiments. <i>ACS Catalysis</i> , 2016, 6, 5589-5598.	5.5	116
26	Acid promoted C=C bond oxidative cleavage of Î ² -O-4 and Î ² -1 lignin models to esters over a copper catalyst. <i>Green Chemistry</i> , 2017, 19, 702-706.	4.6	113
27	Catalytic Scissoring of Lignin into Aryl Monomers. <i>Advanced Materials</i> , 2019, 31, e1901866.	11.1	112
28	Liquid Phase Oxidation of Toluene to Benzaldehyde with Molecular Oxygen over Copper-Based Heterogeneous Catalysts. <i>Advanced Synthesis and Catalysis</i> , 2005, 347, 1987-1992.	2.1	106
29	Visible-Light-Induced Oxidative Lignin C=C Bond Cleavage to Aldehydes Using Vanadium Catalysts. <i>ACS Catalysis</i> , 2020, 10, 632-643.	5.5	106
30	Yin and Yang Dual Characters of CuO Clusters for C=C Bond Oxidation Driven by Visible Light. <i>ACS Catalysis</i> , 2017, 7, 3850-3859.	5.5	103
31	Investigations on the crystal plane effect of ceria on gold catalysis in the oxidative dehydrogenation of alcohols and amines in the liquid phase. <i>Chemical Communications</i> , 2014, 50, 292-294.	2.2	93
32	Enhanced photocatalytic alkane production from fatty acid decarboxylation via inhibition of radical oligomerization. <i>Nature Catalysis</i> , 2020, 3, 170-178.	16.1	93
33	Nb ₂ O ₅ -Based Photocatalysts. <i>Advanced Science</i> , 2021, 8, 2003156.	5.6	92
34	Immobilized Ru Clusters in Nanosized Mesoporous Zirconium Silica for the Aqueous Hydrogenation of Furan Derivatives at Room Temperature. <i>ChemCatChem</i> , 2013, 5, 2822-2826.	1.8	89
35	Generation and Confinement of Long-Lived N-Oxyl Radical and Its Photocatalysis. <i>Journal of the American Chemical Society</i> , 2018, 140, 2032-2035.	6.6	89
36	Catalytic self-transfer hydrogenolysis of lignin with endogenous hydrogen: road to the carbon-neutral future. <i>Chemical Society Reviews</i> , 2022, 51, 1608-1628.	18.7	89

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37	Fluoride-free and low concentration template synthesis of hierarchical Sn-Beta zeolites: efficient catalysts for conversion of glucose to alkyl lactate. <i>Green Chemistry</i> , 2017, 19, 692-701.	4.6	88
38	Surface Sulfate Ion on CdS Catalyst Enhances Syngas Generation from Biopolyols. <i>Journal of the American Chemical Society</i> , 2021, 143, 6533-6541.	6.6	87
39	Heteroatom-participated lignin cleavage to functionalized aromatics. <i>Chemical Society Reviews</i> , 2020, 49, 3748-3763.	18.7	84
40	Cleavage of the lignin β -O-4 ether bond via a dehydroxylation-hydrogenation strategy over a NiMo sulfide catalyst. <i>Green Chemistry</i> , 2016, 18, 6545-6555.	4.6	80
41	Detection and Measurement of Surface Electron Transfer on Reduced Molybdenum Oxides (MoO ₂) and Catalytic Activities of Au/MoO ₂ . <i>Angewandte Chemie - International Edition</i> , 2012, 51, 3883-3887.	7.2	75
42	Visible-Light-Driven Selective Oxidation of Toluene into Benzaldehyde over Nitrogen-Modified Nb ₂ O ₅ Nanomeshes. <i>ACS Catalysis</i> , 2020, 10, 1324-1333.	5.5	75
43	Transformations of Biomass, Its Derivatives, and Downstream Chemicals over Ceria Catalysts. <i>ACS Catalysis</i> , 2020, 10, 8788-8814.	5.5	75
44	Hydrogenation and cleavage of the C-O bonds in the lignin model compound phenethyl phenyl ether over a nickel-based catalyst. <i>Chinese Journal of Catalysis</i> , 2013, 34, 651-658.	6.9	74
45	Depolymerization of cellulose to glucose by oxidation-hydrolysis. <i>Green Chemistry</i> , 2015, 17, 1519-1524.	4.6	74
46	Dealkylation of Lignin to Phenol via Oxidation-Hydrogenation Strategy. <i>ACS Catalysis</i> , 2018, 8, 6837-6843.	5.5	74
47	Transfer hydrogenation of nitroarenes with hydrazine at near-room temperature catalysed by a MoO ₂ catalyst. <i>Green Chemistry</i> , 2016, 18, 2435-2442.	4.6	72
48	Oxidative C(OH) C bond cleavage of secondary alcohols to acids over a copper catalyst with molecular oxygen as the oxidant. <i>Journal of Catalysis</i> , 2017, 348, 160-167.	3.1	72
49	Photo splitting of bio-polyols and sugars to methanol and syngas. <i>Nature Communications</i> , 2020, 11, 1083.	5.8	72
50	Radical generation and fate control for photocatalytic biomass conversion. <i>Nature Reviews Chemistry</i> , 2022, 6, 197-214.	13.8	69
51	New protocol of copper-catalyzed oxidative C(O) C bond cleavage of aryl and aliphatic ketones to organic acids using O ₂ as the terminal oxidant. <i>Journal of Catalysis</i> , 2017, 346, 170-179.	3.1	64
52	Pr-Doped CeO ₂ Catalyst in the Prins Condensation-Hydrolysis Reaction: Are All of the Defect Sites Catalytically Active?. <i>ACS Catalysis</i> , 2018, 8, 2635-2644.	5.5	64
53	An economic analysis of twenty light olefin production pathways. <i>Journal of Energy Chemistry</i> , 2021, 56, 193-202.	7.1	64
54	Photocatalytic Conversion of Plastic Waste: From Photodegradation to Photosynthesis. <i>Advanced Energy Materials</i> , 2022, 12, .	10.2	64

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55	Oxygen-controlled photo-reforming of biopolymers to CO over Z-scheme CdS@g-C ₃ N ₄ . <i>CheM</i> , 2022, 8, 465-479.	5.8	61
56	Low-carbon roadmap of chemical production: A case study of ethylene in China. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 97, 580-591.	8.2	60
57	Transformylating amine with DMF to formamide over CeO ₂ catalyst. <i>Chemical Communications</i> , 2014, 50, 2438.	2.2	59
58	High Catalytic Efficiency of Nanostructured Molybdenum Trioxide in the Benzoylation of Arenes and an Investigation of the Reaction Mechanism. <i>Chemistry - A European Journal</i> , 2009, 15, 742-753.	1.7	58
59	tert-Butyl hydroperoxide (TBHP)-mediated oxidative self-coupling of amines to imines over a δ -MnO ₂ catalyst. <i>Green Chemistry</i> , 2014, 16, 2523-2527.	4.6	56
60	Conversion of Isobutene and Formaldehyde to Diol using Praseodymium-Doped CeO ₂ Catalyst. <i>ACS Catalysis</i> , 2016, 6, 8248-8254.	5.5	55
61	Photocatalytic Cleavage of Aryl Ether in Modified Lignin to Non-phenolic Aromatics. <i>ACS Catalysis</i> , 2019, 9, 8843-8851.	5.5	55
62	Photocatalytic Coproduction of Deoxybenzoin and H ₂ through Tandem Redox Reactions. <i>ACS Catalysis</i> , 2020, 10, 762-769.	5.5	55
63	Synthesis of Fe, Co, and Mn substituted AlPO-5 molecular sieves and their catalytic activities in the selective oxidation of cyclohexane. <i>Journal of Porous Materials</i> , 2008, 15, 7-12.	1.3	54
64	Direct Oxidation of Toluene to Benzoic Acid with Molecular Oxygen over Manganese Oxides. <i>Catalysis Letters</i> , 2006, 108, 137-140.	1.4	53
65	Selective reduction of CO ₂ to CO under visible light by controlling coordination structures of CeO _x -S/ZnIn ₂ S ₄ hybrid catalysts. <i>Applied Catalysis B: Environmental</i> , 2019, 245, 262-270.	10.8	53
66	An investigation of the effects of CeO ₂ crystal planes on the aerobic oxidative synthesis of imines from alcohols and amines. <i>Chinese Journal of Catalysis</i> , 2015, 36, 1623-1630.	6.9	52
67	Copper and manganese: two concordant partners in the catalytic oxidation of p-cresol to p-hydroxybenzaldehyde. <i>Chemical Communications</i> , 2003, , 1172-1173.	2.2	51
68	Aerobic oxidation of alcohols over novel crystalline MoVO oxide. <i>Applied Catalysis A: General</i> , 2008, 346, 155-163.	2.2	50
69	Life cycle assessment of primary energy demand and greenhouse gas (GHG) emissions of four propylene production pathways in China. <i>Journal of Cleaner Production</i> , 2017, 163, 285-292.	4.6	50
70	Catalytic Oxidative Dehydration of Glycerol over a Catalyst with Iron Oxide Domains Embedded in an Iron Orthovanadate Phase. <i>ChemSusChem</i> , 2010, 3, 1383-1389.	3.6	48
71	Insights into support wettability in tuning catalytic performance in the oxidation of aliphatic alcohols to acids. <i>Chemical Communications</i> , 2013, 49, 6623.	2.2	47
72	Promoted role of Cu(NO ₃) ₂ on aerobic oxidation of 5-hydroxymethylfurfural to 2,5-diformylfuran over VOSO ₄ . <i>Applied Catalysis A: General</i> , 2014, 482, 231-236.	2.2	46

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73	Functionalized spirolactones by photoinduced dearomatization of biaryl compounds. <i>Chemical Science</i> , 2019, 10, 3681-3686.	3.7	46
74	Lignosulfonate-based heterogeneous sulfonic acid catalyst for hydrolyzing glycosidic bonds of polysaccharides. <i>Journal of Molecular Catalysis A</i> , 2013, 377, 102-107.	4.8	45
75	Photocatalytic coupling of amines to imidazoles using a $\text{Mo}^{\text{VI}}\text{ZnIn}_2\text{S}_4$ catalyst. <i>Green Chemistry</i> , 2017, 19, 5172-5177.	4.6	44
76	Rh(III)-Catalyzed Acceptorless Dehydrogenative Coupling of (Hetero)arenes with 2-Carboxyl Allylic Alcohols. <i>Organic Letters</i> , 2018, 20, 740-743.	2.4	44
77	Metal oxide nanoparticles from inorganic sources via a simple and general method. <i>Materials Chemistry and Physics</i> , 2006, 97, 137-142.	2.0	43
78	Selective production of phase-separable product from a mixture of biomass-derived aqueous oxygenates. <i>Nature Communications</i> , 2018, 9, 5183.	5.8	42
79	$\text{NH}_2\text{OH}^{\text{H}^+}$ -Mediated Lignin Conversion to Isoxazole and Nitrile. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 3748-3753.	3.2	39
80	Oxidation of p-Cresol to p-Hydroxybenzaldehyde with Molecular Oxygen in the Presence of CuMn-Oxide Heterogeneous Catalyst. <i>Advanced Synthesis and Catalysis</i> , 2004, 346, 633-638.	2.1	38
81	Cuprous Oxide Catalyzed Oxidative C-C Bond Cleavage for C-N Bond Formation: Synthesis of Cyclic Imides from Ketones and Amines. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 14061-14065.	7.2	37
82	Peculiar hydrogenation reactivity of $\text{Ni}^{\text{II}}/\text{Ni}^{\text{I}}$ clusters stabilized by ceria in reducing nitrobenzene to azoxybenzene. <i>Journal of Catalysis</i> , 2017, 353, 107-115.	3.1	36
83	Organocatalytic oxidative dehydrogenation of aromatic amines for the preparation of azobenzenes under mild conditions. <i>Tetrahedron</i> , 2012, 68, 8358-8366.	1.0	35
84	Hydrogen bond distinction and activation upon catalytic etherification of hydroxyl compounds. <i>Chemical Communications</i> , 2015, 51, 1077-1080.	2.2	35
85	A Complexation Promoted Organic N-Hydroxy Catalytic System for Selective Oxidation of Toluene. <i>Advanced Synthesis and Catalysis</i> , 2011, 353, 226-230.	2.1	34
86	Liquid-phase oxidation of toluene by molecular oxygen over copper manganese oxides. <i>Catalysis Letters</i> , 2006, 110, 255-260.	1.4	33
87	Synthesis of hierarchical AlPO-n molecular sieves templated by saccharides. <i>Microporous and Mesoporous Materials</i> , 2011, 144, 176-182.	2.2	33
88	Integrated carbon capture and utilization: Synergistic catalysis between highly dispersed Ni clusters and ceria oxygen vacancies. <i>Chemical Engineering Journal</i> , 2022, 437, 135394.	6.6	33
89	The cascade synthesis of α,β -unsaturated ketones via oxidative C-C coupling of ketones and primary alcohols over a ceria catalyst. <i>Catalysis Science and Technology</i> , 2016, 6, 1693-1700.	2.1	32
90	Sell a dummy: Adjacent functional group modification strategy for the catalytic cleavage of lignin $\beta\text{-O-}4$ linkage. <i>Chinese Journal of Catalysis</i> , 2017, 38, 1102-1107.	6.9	32

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91	The Synthesis of Quinazolinones from Olefins, CO, and Amines over a Heterogeneous Ru ^{II} Clusters/Ceria Catalyt. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 12308-12312.	7.2	32
92	Selective oxidation of alcohols using novel crystalline Mo-V-O oxide as heterogeneous catalyst in liquid phase with molecular oxygen. <i>Catalysis Today</i> , 2009, 144, 358-361.	2.2	31
93	Transfer hydrogenation of nitroarenes to arylamines catalysed by an oxygen-implanted MoS ₂ catalyst. <i>Applied Catalysis A: General</i> , 2016, 525, 85-93.	2.2	31
94	Tuning the Pt species on Nb ₂ O ₅ by support-induced modification in the photocatalytic transfer hydrogenation of phenylacetylene. <i>Applied Catalysis B: Environmental</i> , 2021, 298, 120554.	10.8	30
95	Liquid-phase oxidation of toluene by molecular oxygen over copper manganese oxides. <i>Catalysis Letters</i> , 2006, 110, 149-154.	1.4	28
96	Nanostructured molybdenum oxides and their catalytic performance in the alkylation of arenes. <i>Chemical Communications</i> , 2008, , 3196.	2.2	26
97	Oxidative coupling of anilines to azobenzenes using heterogeneous manganese oxide catalysts. <i>Catalysis Science and Technology</i> , 2016, 6, 1940-1945.	2.1	26
98	Catalytic production of low-carbon footprint sustainable natural gas. <i>Nature Communications</i> , 2022, 13, 258.	5.8	26
99	Nanocoating of magnetic cores with sulfonic acid functionalized shells for the catalytic dehydration of fructose to 5-hydroxymethylfurfural. <i>Chinese Journal of Catalysis</i> , 2014, 35, 703-708.	6.9	25
100	Steering charge kinetics in W ₂ C@C/TiO ₂ heterojunction architecture: Efficient solar-light-driven hydrogen generation. <i>Applied Catalysis B: Environmental</i> , 2019, 255, 117760.	10.8	25
101	C≡N and N≡H Bond Metathesis Reactions Mediated by Carbon Dioxide. <i>ChemSusChem</i> , 2015, 8, 2066-2072.	3.6	24
102	Preparation and characterization of vanadium(IV) oxide supported on SBA-15 and its catalytic performance in benzene hydroxylation to phenol using molecular oxygen. <i>Journal of Natural Gas Chemistry</i> , 2012, 21, 481-487.	1.8	23
103	Plasma-assisted construction of CdO quantum dots/CdS semi-coherent interface for the photocatalytic bio-CO evolution. <i>Chem Catalysis</i> , 2022, 2, 1394-1406.	2.9	23
104	Amine-Mediated Bond Cleavage in Oxidized Lignin Models. <i>ChemSusChem</i> , 2020, 13, 4660-4665.	3.6	22
105	Steric Effect on the Catalytic Performance of the Selective Oxidation of Alcohols Over Novel Crystalline Mo-V-O Oxide. <i>Topics in Catalysis</i> , 2008, 50, 90-97.	1.3	21
106	Photo-Thermo-Dual Catalysis of Levulinic Acid and Levulinate Ester to γ -Valerolactone. <i>ACS Catalysis</i> , 2022, 12, 1677-1685.	5.5	21
107	Synthesis of FeCoMnAPO-5 Molecular Sieve and Catalytic Activity in Cyclohexane Oxidation by Oxygen. <i>Catalysis Letters</i> , 2005, 99, 231-234.	1.4	20
108	Thermally robust silica-enclosed Au ₂₅ nanocluster and its catalysis. <i>Chinese Journal of Catalysis</i> , 2016, 37, 1787-1793.	6.9	20

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109	Photocatalytic conversion of waste plastics to low carbon number organic products. Chinese Journal of Catalysis, 2022, 43, 589-594.	6.9	20
110	Chemoselective transfer hydrogenation to nitroarenes mediated by oxygen-implanted MoS ₂ . Chinese Journal of Catalysis, 2016, 37, 1569-1577.	6.9	19
111	Synergistic bimetallic RuMo catalysts for selective rearrangement of furfural to cyclopentanol in aqueous phase. Catalysis Communications, 2019, 129, 105745.	1.6	19
112	Photocatalytic transfer hydrogenolysis of aromatic ketones using alcohols. Green Chemistry, 2020, 22, 3802-3808.	4.6	19
113	Advancing development of biochemicals through the comprehensive evaluation of bio-ethylene glycol. Chemical Engineering Journal, 2021, 411, 128516.	6.6	19
114	Low-Work Function Metals Boost Selective and Fast Scission of Methanol C-H Bonds. ACS Catalysis, 2022, 12, 6375-6384.	5.5	19
115	One-step heterogeneously catalytic oxidation of o-cresol by oxygen to salicylaldehyde. Chemical Communications, 2002, , 626-627.	2.2	18
116	Preferential cleavage of C-C bonds over C-N bonds at interfacial CuO/Cu ₂ O sites. Journal of Catalysis, 2015, 330, 458-464.	3.1	18
117	Ru/ceria-catalyzed direct formylation of amines and CO to produce formamides. Green Chemistry, 2017, 19, 88-92.	4.6	18
118	Controlling Radical Intermediates in Photocatalytic Conversion of Low-Carbon-Number Alcohols. ACS Sustainable Chemistry and Engineering, 2021, 9, 6188-6202.	3.2	18
119	Preparation of VO ₂ (B) Nanoflake with Glycerol as Reductant Agent and its Catalytic Application in the Aerobic Oxidation of Benzene to Phenol. Topics in Catalysis, 2011, 54, 1016-1023.	1.3	16
120	Preparation, characterization and catalytic performance of Mo-V-O oxide layers linked by alkylamines. Chemical Communications, 2009, , 1079.	2.2	15
121	Product-oriented decomposition of lignocellulose catalyzed by novel polyoxometalates-ionic liquid mixture. Bioresource Technology, 2019, 283, 174-183.	4.8	15
122	Catalytic Hydrodeoxygenation of Methyl Stearate and Microbial Lipids to Diesel-Range Alkanes over Pd/HPA-SiO ₂ Catalysts. Industrial & Engineering Chemistry Research, 2020, 59, 17440-17450.	1.8	15
123	Selective Oxidation of Alcohols by Orthorhombic Mo-V-O Phase with Molecular Oxygen. Chemistry Letters, 2008, 37, 184-185.	0.7	14
124	Water promoted photocatalytic transfer hydrogenation of furfural to furfural alcohol over ultralow loading metal supported on TiO ₂ . Journal of Energy Chemistry, 2022, 73, 259-267.	7.1	14
125	A Comparative Study of Various Prepared Carbon-Supported Pt/MoO _x Anode Catalysts for a Polymer Electrolyte Fuel Cell. Journal of the Electrochemical Society, 2009, 156, B1361.	1.3	11
126	Organic linker geometry controlled synthesis of coordination polymer spheres and their thermal transformation to yolk-shell metal oxides. Journal of Materials Chemistry A, 2014, 2, 15480-15487.	5.2	11

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127	Epoxide hydrolysis and alcoholysis reactions over crystalline MoO ₃ oxide. RSC Advances, 2016, 6, 70842-70847.	1.7	11
128	Linear-regioselective hydromethoxycarbonylation of styrene using Ru-clusters/CeO ₂ catalyst. Chinese Journal of Catalysis, 2020, 41, 963-969.	6.9	11
129	A steric hindrance alleviation strategy to enhance the photo-switching efficiency of azobenzene functionalized metal-organic frameworks toward tailorable carbon dioxide capture. Journal of Materials Chemistry A, 2022, 10, 8303-8308.	5.2	11
130	Opportunities for electrocatalytic biomass valorization. Chem Catalysis, 2022, 2, 641-643.	2.9	11
131	Metal-free protocol for the synthesis of N-arylpiperidines catalyzed by hydrogen iodine. Catalysis Communications, 2017, 94, 56-59.	1.6	9
132	Unveiling the highly disordered NbO ₆ units as electron-transfer sites in Nb ₂ O ₅ photocatalysis with N-hydroxyphthalimide under visible light irradiation. Chinese Journal of Catalysis, 2022, 43, 1894-1905.	6.9	9
133	Simultaneously Enhanced Activity and Selectivity for C(sp ³)-H Bond Oxidation Under Visible Light by Nitrogen Doping. Transactions of Tianjin University, 2021, 27, 331-337.	3.3	8
134	Can Li: A Career in Catalysis. ACS Catalysis, 2022, 12, 3063-3082.	5.5	8
135	4-N,N-Dimethylaminopyridine Promoted Selective Oxidation of Methyl Aromatics with Molecular Oxygen. Molecules, 2012, 17, 3957-3968.	1.7	7
136	Imine-linked conjugated organic polymer bearing bis(imino)pyridine ligands and its catalytic application in C-C coupling reactions. Chinese Journal of Catalysis, 2014, 35, 540-545.	6.9	7
137	Effectiveness of metal oxide catalysts for the degradation of 1,4-dioxane. RSC Advances, 2019, 9, 27042-27049.	1.7	7
138	Oxygen-implanted MoS ₂ nanosheets promoting quinoline synthesis from nitroarenes and aliphatic alcohols via an integrated oxidation transfer hydrogenation-cyclization mechanism. Green Chemistry, 2022, 24, 1704-1713.	4.6	7
139	Conversion of Glucose to 5-Hydroxymethylfurfural Catalyzed by Metal Halide in N,N-Dimethylacetamide. BioResources, 2013, 8, .	0.5	6
140	Heterogeneous Ru/TiO ₂ for hydroaminomethylation of olefins: multicomponent synthesis of amines. Green Chemistry, 2021, 23, 2722-2728.	4.6	6
141	From nano aggregates to nano plates: The roles of gelatin in the crystallization of titanium silicate-1. Microporous and Mesoporous Materials, 2021, 321, 111100.	2.2	6
142	Interfacial Tandem Catalysis for Ethylene Carbonylation and C-C Coupling to 3-Pentanone on Rh/Ceria. ACS Catalysis, 2022, 12, 3286-3290.	5.5	6
143	What and where are the active sites of oxide-supported nanostructured metal catalysts?. Chinese Journal of Catalysis, 2014, 35, 453-456.	6.9	5
144	Synthesis of 1,3-Diols from Isobutene and HCHO via Prins Condensation-Hydrolysis Using CeO ₂ Catalysts: Effects of Crystal Plane and Oxygen Vacancy. Inorganics, 2017, 5, 75.	1.2	5

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145	Catalytic cleavage of lignin C O and C C bonds. <i>Advances in Inorganic Chemistry</i> , 2021, 77, 175-218.	0.4	5
146	Defect-Dependent Selective C-H/C Bond Cleavage of Propane in the Presence of CO ₂ over FeNi/Ceria Catalysts. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 17301-17309.	3.2	5
147	The Synthesis of Quinazolinones from Olefins, CO, and Amines over a Heterogeneous Ru-clusters/Ceria Catalyst. <i>Angewandte Chemie</i> , 2018, 130, 12488-12492.	1.6	3
148	Polar hydrogen species mediated nitroarenes selective reduction to anilines over an [FeMo]S catalyst. <i>Dalton Transactions</i> , 2022, 51, 1553-1560.	1.6	3
149	Opportunities and future directions for photocatalytic biomass conversion to value-added chemicals. <i>Chem Catalysis</i> , 2022, 2, 644-646.	2.9	3
150	Synthesis of Silico-Phospho-Aluminum Nanosheets by Adding Amino Acid and its Catalysis in the Conversion of Furfuryl Alcohol to Fuel Additives. <i>ChemSusChem</i> , 2022, 15, .	3.6	3
151	Microreactor-assisted synthesis of a nickel-based infinite coordination polymer and its application in the selective adsorption of alcohols. <i>Inorganic Chemistry Communication</i> , 2019, 109, 107566.	1.8	2
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153	The in situ transformation of the co-product formaldehyde in the reversible hydrolysis of 1,3-dioxane to obtain 1,3-propanediol efficiently. <i>Green Chemistry</i> , 2018, 20, 1455-1458.	4.6	1
154	Copper and Manganese: Two Concordant Partners in the Catalytic Oxidation of p-Cresol to p-Hydroxybenzaldehyde. <i>ChemInform</i> , 2003, 34, no.	0.1	0