Ye Wang

List of Publications by Year
in descending order

290 papers	28,361 citations	3874 91 h-index	7627 156 g-index
318 all docs	318 docs citations	318 times ranked	22631 citing authors

#	Article	IF	Citations
1	Zn and Na promoted Fe catalysts for sustainable production of high-valued olefins by CO2 hydrogenation. Fuel, 2022, 309, 122105.	3.4	44
2	Iridium boosts the selectivity and stability of cobalt catalysts for syngas to liquid fuels. CheM, 2022, 8, 1050-1066.	5.8	26
3	Tandem catalysis with double-shelled hollow spheres. Nature Materials, 2022, 21, 572-579.	13.3	65
4	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, .	7.2	125
5	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, .	1.6	41
6	Efficient photocatalytic epoxidation of styrene over a quantum-sized SnO2 on carbon nitride as a heterostructured catalyst. Applied Catalysis B: Environmental, 2022, 309, 121268.	10.8	22
7	Structural dynamics of Ru clusters during nitrogen dissociation in ammonia synthesis. Physical Chemistry Chemical Physics, 2022, 24, 10820-10825.	1.3	6
8	Upcycling Plastic Wastes into Valueâ€Added Products by Heterogeneous Catalysis. ChemSusChem, 2022, 15, .	3.6	29
9	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.	5.2	7
10	Cover Feature: Upcycling Plastic Wastes into Valueâ€Added Products by Heterogeneous Catalysis (ChemSusChem 14/2022). ChemSusChem, 2022, 15, .	3.6	2
11	Plastic Waste Valorization by Leveraging Multidisciplinary Catalytic Technologies. ACS Catalysis, 2022, 12, 9307-9324.	5.5	47
12	Distance for Communication between Metal and Acid Sites for Syngas Conversion. ACS Catalysis, 2022, 12, 8793-8801.	5.5	31
13	Selective Transformation of Methanol to Ethanol in the Presence of Syngas over Composite Catalysts. ACS Catalysis, 2022, 12, 8451-8461.	5.5	9
14	Effect of zeolite topology on the hydrocarbon distribution over bifunctional ZnAlO/SAPO catalysts in syngas conversion. Catalysis Today, 2021, 371, 85-92.	2.2	28
15	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.	7.1	38
16	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.	3.1	38
17	Efficient Catalysts for the Green Synthesis of Adipic Acid from Biomass. Angewandte Chemie, 2021, 133, 4762-4769.	1.6	7
18	Efficient Catalysts for the Green Synthesis of Adipic Acid from Biomass. Angewandte Chemie - International Edition, 2021, 60, 4712-4719.	7.2	54

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19	Photocatalytic and electrocatalytic transformations of C1 molecules involving Câ€“C coupling. Energy and Environmental Science, 2021, 14, 37-89.	15.6	110
20	Plasmonic nanoreactors regulating selective oxidation by energetic electrons and nanoconfined thermal fields. Science Advances, 2021, 7, .	4.7	43
21	Functionalized Carbon Materials in Syngas Conversion. Small, 2021, 17, e2007527.	5.2	29
22	Selective hydrogenation of CO2 and CO into olefins over Sodium- and Zinc-Promoted iron carbide catalysts. Journal of Catalysis, 2021, 395, 350-361.	3.1	58
23	Sulfur vacancy-rich MoS2 as a catalyst for the hydrogenation of CO2 to methanol. Nature Catalysis, 2021, 4, 242-250.	16.1	308
24	Direct aromatization of CO2 via combined CO2 hydrogenation and zeolite-based acid catalysis. Journal of CO2 Utilization, 2021, 45, 101405.	3.3	51
25	Gallium nitride catalyzed the direct hydrogenation of carbon dioxide to dimethyl ether as primary product. Nature Communications, 2021, 12, 2305.	5.8	45
26	Size-Sensitive Dynamic Catalysis of Subnanometer Cu Clusters in CO₂ Dissociation. Journal of Physical Chemistry Letters, 2021, 12, 3891-3897.	2.1	13
27	Photocatalytic Câˆ’H activation and Câˆ’C coupling of monohydric alcohols. Catalysis Communications, 2021, 153, 106300.	1.6	13
28	CoSe₂ Nanoparticles Dispersed in WSe₂ Nanosheets for Efficient Electrocatalysis and Supercapacitance Applications. ACS Applied Nano Materials, 2021, 4, 5796-5807.	2.4	33
29	Visualizing Element Migration over Bifunctional Metalâ€Zeolite Catalysts and its Impact on Catalysis. Angewandte Chemie, 2021, 133, 17876-17884.	1.6	53
30	Metal Sulfide Photocatalysts for Lignocellulose Valorization. Advanced Materials, 2021, 33, e2007129.	11.1	106
31	Visualizing Element Migration over Bifunctional Metalâ€Zeolite Catalysts and its Impact on Catalysis. Angewandte Chemie - International Edition, 2021, 60, 17735-17743.	7.2	99
32	The active sites of Cuâ€“ZnO catalysts for water gas shift and CO hydrogenation reactions. Nature Communications, 2021, 12, 4331.	5.8	83
33	Electrocatalytic upcycling of polyethylene terephthalate to commodity chemicals and H2 fuel. Nature Communications, 2021, 12, 4679.	5.8	226
34	Solar energy-driven Câˆ’H activation of methanol for direct Câˆ’C coupling to ethylene glycol with high stability by nitrogen doped tantalum oxide. Chinese Journal of Catalysis, 2021, 42, 1459-1467.	6.9	20
35	Direct and selective methanation of biomass via oxygen vacancy-mediated catalysis. Chinese Journal of Catalysis, 2021, 42, 2091-2093.	6.9	1
36	Pore-mouth catalysis boosting the formation of iso-paraffins from syngas over bifunctional catalysts. Chinese Journal of Catalysis, 2021, 42, 2197-2205.	6.9	14

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37	Electrocatalytic reduction of CO₂ and CO to multi-carbon compounds over Cu-based catalysts. Chemical Society Reviews, 2021, 50, 12897-12914.	18.7	266
38	Electron penetration triggering interface activity of Pt-graphene for CO oxidation at room temperature. Nature Communications, 2021, 12, 5814.	5.8	37
39	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.	1.5	31
40	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.	4.6	30
41	Functionalized Carbon Materials in Syngas Conversion (Small 48/2021). Small, 2021, 17, 2170256.	5.2	6
42	Relay catalysis in the conversion of syngas. Chinese Science Bulletin, 2021, 66, 1157-1169.	0.4	2
43	Charge State Dependence of Phase Transition Catalysis of Dynamic Cu Clusters in CO₂ Dissociation. Journal of Physical Chemistry C, 2021, 125, 27615-27623.	1.5	2
44	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, .	3.3	31
45	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.	2.2	59
46	Highly Active ZnO-ZrO₂ Aerogels Integrated with H-ZSM-5 for Aromatics Synthesis from Carbon Dioxide. ACS Catalysis, 2020, 10, 302-310.	5.5	216
47	Frontispiz: Subnanometer Bimetallic Platinumâ€“Zinc Clusters in Zeolites for Propane Dehydrogenation. Angewandte Chemie, 2020, 132, .	1.6	0
48	Stabilization of Îµ-iron carbide as high-temperature catalyst under realistic Fischerâ€“Tropsch synthesis conditions. Nature Communications, 2020, 11, 6219.	5.8	83
49	Catalytic valorization of biomass and bioplatforms to chemicals through deoxygenation. Advances in Catalysis, 2020, , 1-108.	0.1	9
50	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.	6.6	51
51	Photocatalytic transformations of lignocellulosic biomass into chemicals. Chemical Society Reviews, 2020, 49, 6198-6223.	18.7	374
52	Selectivity Control in Photocatalytic Valorization of Biomass-Derived Platform Compounds by Surface Engineering of Titanium Oxide. CheM, 2020, 6, 3038-3053.	5.8	112
53	Frontispiece: Subnanometer Bimetallic Platinumâ€“Zinc Clusters in Zeolites for Propane Dehydrogenation. Angewandte Chemie - International Edition, 2020, 59, .	7.2	5
54	Electrocatalytic reduction of CO2 to ethylene and ethanol through hydrogen-assisted Câ€“C coupling over fluorine-modified copper. Nature Catalysis, 2020, 3, 478-487.	16.1	788

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55	Excellence <i>versus</i> Diversity? Not an Either/Or Choice. ACS Catalysis, 2020, 10, 7310-7311.	5.5	4
56	Direct conversion of syngas into aromatics over a bifunctional catalyst: inhibiting net CO₂ release. Chemical Communications, 2020, 56, 5239-5242.	2.2	30
57	Subnanometer Bimetallic Platinumâ€"Zinc Clusters in Zeolites for Propane Dehydrogenation. Angewandte Chemie - International Edition, 2020, 59, 19450-19459.	7.2	221
58	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.	5.5	157
59	Understanding Catalytic Mechanisms of Alkane Oxychlorination from the Perspective of Energy Levels. Journal of Physical Chemistry C, 2020, 124, 6070-6077.	1.5	7
60	Single-pass transformation of syngas into ethanol with high selectivity by triple tandem catalysis. Nature Communications, 2020, 11, 827.	5.8	156
61	Subnanometer Bimetallic Platinumâ€"Zinc Clusters in Zeolites for Propane Dehydrogenation. Angewandte Chemie, 2020, 132, 19618-19627.	1.6	47
62	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.	6.9	43
63	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.	10.8	61
64	Catalytic conversion of cellulose-based biomass and glycerol to lactic acid. Journal of Energy Chemistry, 2019, 32, 138-151.	7.1	74
65	Zirconia-supported rhenium oxide as an efficient catalyst for the synthesis of biomass-based adipic acid ester. Chemical Communications, 2019, 55, 11017-11020.	2.2	40
66	Ligand-Controlled Photocatalysis of CdS Quantum Dots for Lignin Valorization under Visible Light. ACS Catalysis, 2019, 9, 8443-8451.	5.5	128
67	Visibleâ€Lightâ€Driven Cleavage of Câˆ'O Linkage for Lignin Valorization to Functionalized Aromatics. ChemSusChem, 2019, 12, 5023-5031.	3.6	86
68	Investigation of the Electronic Structure of CdS Nanoparticles with Sum Frequency Generation and Photoluminescence Spectroscopy. Journal of Physical Chemistry C, 2019, 123, 27712-27716.	1.5	12
69	Carbon nanotube-supported bimetallic Cu-Fe catalysts for syngas conversion to higher alcohols. Molecular Catalysis, 2019, 479, 110610.	1.0	15
70	Photoelectrocatalytic reduction of CO₂ to syngas over Ag nanoparticle modified p-Si nanowire arrays. Nanoscale, 2019, 11, 12530-12536.	2.8	36
71	Catalytic transformation of 2,5-furandicarboxylic acid to adipic acid over niobic acid-supported Pt nanoparticles. Chemical Communications, 2019, 55, 8013-8016.	2.2	41
72	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.	18.7	742

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73	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.	1.7	7
74	Multiscale carbon foam confining single iron atoms for efficient electrocatalytic CO2 reduction to CO. Nano Research, 2019, 12, 2313-2317.	5.8	86
75	Direct conversion of cellulose into ethanol catalysed by a combination of tungstic acid and zirconia-supported Pt nanoparticles. Chemical Communications, 2019, 55, 4303-4306.	2.2	54
76	Promoting electrocatalytic CO2 reduction to formate via sulfur-boosting water activation on indium surfaces. Nature Communications, 2019, 10, 892.	5.8	446
77	Selective Conversion of Syngas to Aromatics over a Moâˆ'ZrO₂/Hâ€ZSMâ€5 Bifunctional Catalyst. ChemCatChem, 2019, 11, 1681-1688.	1.8	50
78	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.	5.5	95
79	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.	5.2	49
80	Selective electrocatalytic conversion of methane to fuels and chemicals. Journal of Energy Chemistry, 2018, 27, 1629-1636.	7.1	97
81	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.	4.6	109
82	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.	6.6	210
83	Catalytic Transformation of Cellulose and Its Derivatives into Functionalized Organic Acids. ChemSusChem, 2018, 11, 1995-2028.	3.6	71
84	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.	3.7	208
85	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.	3.3	168
86	Visible light-driven Câˆ'H activation and Câ€“C coupling of methanol into ethylene glycol. Nature Communications, 2018, 9, 1181.	5.8	188
87	Selective transformation of carbon dioxide into lower olefins with a bifunctional catalyst composed of ZnGa₂O₄ and SAPO-34. Chemical Communications, 2018, 54, 140-143.	2.2	265
88	Ethanol synthesis from syngas over Cu(Pd)-doped Fe(100): a systematic theoretical investigation. Physical Chemistry Chemical Physics, 2018, 20, 2492-2507.	1.3	21
89	TiO₂-based heterojunction photocatalysts for photocatalytic reduction of CO₂into solar fuels. Journal of Materials Chemistry A, 2018, 6, 22411-22436.	5.2	195
90	Room-Temperature Conversion of Methane Becomes True. Joule, 2018, 2, 1399-1401.	11.7	14

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91	Solar energy-driven lignin-first approach to full utilization of lignocellulosic biomass under mild conditions. Nature Catalysis, 2018, 1, 772-780.	16.1	442
92	Reaction Mechanisms of Wellâ€Defined Metalâ€“N₄ Sites in Electrocatalytic CO₂ Reduction. Angewandte Chemie, 2018, 130, 16577-16580.	1.6	44
93	Reaction Mechanisms of Wellâ€Defined Metalâ€“N₄ Sites in Electrocatalytic CO₂ Reduction. Angewandte Chemie - International Edition, 2018, 57, 16339-16342.	7.2	328
94	Integrated tuneable synthesis of liquid fuels via Fischerâ€“Tropsch technology. Nature Catalysis, 2018, 1, 787-793.	16.1	300
95	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.	7.2	142
96	Direct Conversion of Syngas into Methyl Acetate, Ethanol, and Ethylene by Relay Catalysis via the Intermediate Dimethyl Ether. Angewandte Chemie, 2018, 130, 12188-12192.	1.6	17
97	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.	5.2	3
98	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.	2.1	30
99	CO Dissociation Mechanism on Pd-Doped Fe(100): Comparison with Cu/Fe(100). Journal of Physical Chemistry C, 2017, 121, 6820-6834.	1.5	8
100	Monodispersed sub-5.0 nm PtCu nanoalloys as enhanced bifunctional electrocatalysts for oxygen reduction reaction and ethanol oxidation reaction. Nanoscale, 2017, 9, 2963-2968.	2.8	85
101	Polyaniline-supported iron catalyst for selective synthesis of lower olefins from syngas. Journal of Energy Chemistry, 2017, 26, 608-615.	7.1	37
102	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.	2.1	19
103	Metal-free, robust, and regenerable 3D grapheneâ€“organics aerogel with high and stable photosensitization efficiency. Journal of Catalysis, 2017, 346, 21-29.	3.1	86
104	Reaction coupling as a promising methodology for selective conversion of syngas into hydrocarbons beyond Fischer-Tropsch synthesis. Science China Chemistry, 2017, 60, 1382-1385.	4.2	15
105	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.	2.1	54
106	Finely Composition-Tunable Synthesis of Ultrafine Wavy PtRu Nanowires as Effective Electrochemical Sensors for Dopamine Detection. Langmuir, 2017, 33, 8070-8075.	1.6	25
107	Bifunctional Catalysts for One-Step Conversion of Syngas into Aromatics with Excellent Selectivity and Stability. CheM, 2017, 3, 334-347.	5.8	377
108	Engineering Interface with One-Dimensional Co₃O₄ Nanostructure in Catalytic Membrane Electrode: Toward an Advanced Electrocatalyst for Alcohol Oxidation. ACS Nano, 2017, 11, 12365-12377.	7.3	103

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109	Advances in Catalysis for Syngas Conversion to Hydrocarbons. Advances in Catalysis, 2017, , 125-208.	0.1	64
110	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.	7.2	468
111	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.	1.8	42
112	Production of organic acids from biomass resources. Current Opinion in Green and Sustainable Chemistry, 2016, 2, 54-58.	3.2	49
113	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.	3.1	72
114	Pyrolysis of Metalâ€“Organic Frameworks to Fe₃O₄@Fe₅C₂ Coreâ€“Shell Nanoparticles for Fischerâ€“Tropsch Synthesis. ACS Catalysis, 2016, 6, 3610-3618.	5.5	138
115	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.	2.2	40
116	Direct conversion of formaldehyde to ethylene glycol via photocatalytic carbonâ€“carbon coupling over bismuth vanadate. Catalysis Science and Technology, 2016, 6, 6485-6489.	2.1	20
117	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.	1.6	115
118	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.	7.1	20
119	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.	2.2	23
120	Photocatalytic and photoelectrocatalytic reduction of CO₂ using heterogeneous catalysts with controlled nanostructures. Chemical Communications, 2016, 52, 35-59.	2.2	508
121	Pore size effects in high-temperature Fischerâ€“Tropsch synthesis over supported iron catalysts. Journal of Catalysis, 2015, 328, 139-150.	3.1	151
122	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.	7.2	195
123	SrNb₂O₆ nanoplates as efficient photocatalysts for the preferential reduction of CO₂ in the presence of H₂O. Chemical Communications, 2015, 51, 3430-3433.	2.2	44
124	Sodium-promoted iron catalysts prepared on different supports for high temperature Fischerâ€“Tropsch synthesis. Applied Catalysis A: General, 2015, 502, 204-214.	2.2	78
125	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.	2.2	35
126	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.	1.8	113

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127	Oxidative conversion of lignin and lignin model compounds catalyzed by CeO₂-supported Pd nanoparticles. Green Chemistry, 2015, 17, 5009-5018.	4.6	210
128	Selective activation of the Câ€“O bonds in lignocellulosic biomass for the efficient production of chemicals. Chinese Journal of Catalysis, 2015, 36, 1440-1460.	6.9	47
129	Catalytic transformation of cellulose and its derived carbohydrates into chemicals involving C C bond cleavage. Journal of Energy Chemistry, 2015, 24, 595-607.	7.1	55
130	Catalytic transformations of cellulose and its derived carbohydrates into 5-hydroxymethylfurfural, levulinic acid, and lactic acid. Science China Chemistry, 2015, 58, 29-46.	4.2	76
131	Selective Transformation of Syngas into Gasolineâ€Range Hydrocarbons over Mesoporous Hâ€ZSMâ€5â€Supported Cobalt Nanoparticles. Chemistry - A European Journal, 2015, 21, 1928-1937.	1.7	110
132	Metallic Nanocatalysis: An Accelerating Seamless Integration with Nanotechnology. Small, 2015, 11, 268-289.	5.2	92
133	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.	1.7	41
134	Catalytic transformations of cellulose and cellulose-derived carbohydrates into organic acids. Catalysis Today, 2014, 234, 31-41.	2.2	147
135	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.	2.2	57
136	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.	5.5	353
137	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.	1.7	12
138	Carbon-supported palladium catalysts for the direct synthesis of hydrogen peroxide from hydrogen and oxygen. Journal of Catalysis, 2014, 319, 15-26.	3.1	61
139	Oxidative dehydrogenation of ethane to ethylene in the presence of HCl over CeO2-based catalysts. Chinese Journal of Catalysis, 2014, 35, 1260-1266.	6.9	13
140	Recent advances in heterogeneous selective oxidation catalysis for sustainable chemistry. Chemical Society Reviews, 2014, 43, 3480.	18.7	653
141	Transformation of Cellulose and its Derived Carbohydrates into Formic and Lactic Acids Catalyzed by Vanadyl Cations. ChemSusChem, 2014, 7, 1557-1567.	3.6	148
142	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.	5.5	380
143	Support effects in high temperature Fischer-Tropsch synthesis on iron catalysts. Applied Catalysis A: General, 2014, 488, 66-77.	2.2	92
144	Fischerâ€“Tropsch Catalysts for the Production of Hydrocarbon Fuels with High Selectivity. ChemSusChem, 2014, 7, 1251-1264.	3.6	164

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145	Chemical synthesis of lactic acid from cellulose catalysed by lead(II) ions in water. Nature Communications, 2013, 4, 2141.	5.8	327
146	Niobic Acid Nanosheets Synthesized by a Simple Hydrothermal Method as Efficient BrÃ¸nsted Acid Catalysts. Chemistry of Materials, 2013, 25, 3277-3287.	3.2	50
147	Catalytic conversion of methyl chloride to lower olefins over modified H-ZSM-34. Chinese Journal of Catalysis, 2013, 34, 2047-2056.	6.9	10
148	Hydrogenation of carbon dioxide to light olefins over non-supported iron catalyst. Chinese Journal of Catalysis, 2013, 34, 956-963.	6.9	71
149	Ru particle size effect in Ru/CNT-catalyzed Fischer-Tropsch synthesis. Journal of Energy Chemistry, 2013, 22, 321-328.	7.1	39
150	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.	3.1	81
151	Semiconductor-based nanocomposites for photocatalytic H2 production and CO2 conversion. Physical Chemistry Chemical Physics, 2013, 15, 2632.	1.3	364
152	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.	2.2	220
153	Recent advances in understanding the key catalyst factors for Fischer-Tropsch synthesis. Journal of Energy Chemistry, 2013, 22, 27-38.	7.1	130
154	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.	7.2	358
155	Synthesis of lower olefins by hydrogenation of carbon dioxide over supported iron catalysts. Catalysis Today, 2013, 215, 186-193.	2.2	175
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