Yoshinao Nakagawa

List of Publications by Year
in descending order

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213	15,834	9264	19190
papers	citations	74 h-index	118 g-index

236	236	236	8787
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effect of flue gas impurities in carbon dioxide from power plants in the synthesis of isopropyl N-phenylcarbamate from CO2, aniline, and 2-propanol using CeO2 and 2-cyanopyridine. Catalysis Today, 2023, 410, 19-35.	4.4	7
2	Combination of hydrotalcite-like-compound-derived Ni-Fe/Mg/Al and ceria-supported Rh catalysts for fuel reforming in exhaust gas recirculation system of gasoline engine. Fuel Processing Technology, 2022, 225, 107061.	7.2	10
3	Synthesis of Secondary Monoalcohols from Terminal Vicinal Alcohols over Silica-Supported Rhenium-Modified Ruthenium Catalyst. ACS Sustainable Chemistry and Engineering, 2022, 10, 1220-1231.	6.7	8
4	Dehydration of Amides to Nitriles over Heterogeneous Silicaâ€Supported Molybdenum Oxide Catalyst. ChemCatChem, 2022, 14, .	3.7	5
5	Unique catalytic properties of Niâ€“Ir alloy for the hydrogenation of N-heteroaromatics. Catalysis Science and Technology, 2022, 12, 2420-2425.	4.1	4
6	Titania-supported molybdenum oxide combined with Au nanoparticles as a hydrogen-driven deoxydehydration catalyst of diol compounds. Catalysis Science and Technology, 2022, 12, 2146-2161.	4.1	14
7	Deoxydehydration of Biomassâ€Derived Polyols Over Silverâ€Modified Ceriaâ€Supported Rhenium Catalyst with Molecular Hydrogen. ChemSusChem, 2022, 15, .	6.8	17
8	Heterogeneous Enantioselective Hydrogenation of Ketones by 2-Amino-2â€²-hydroxy-1,1â€²-binaphthyl-Modified CeO₂-Supported Ir Nanoclusters. ACS Catalysis, 2022, 12, 868-876.	11.2	6
9	Hydrodeoxygenation of potential platform chemicals derived from biomass to fuels and chemicals. Green Chemistry, 2022, 24, 5652-5690.	9.0	27
10	CeO2-catalyzed transformation of various amine carbamates into organic urea derivatives in corresponding amine solvent. Applied Catalysis A: General, 2022, 643, 118747.	4.3	11
11	Reaction Mechanism of Deoxydehydration by Ceria-Supported Monomeric Rhenium Catalysts: A Computational Study. Journal of Physical Chemistry C, 2022, 126, 11566-11573.	3.1	6
12	Selective Hydrogenolysis of Erythritol over Irâ^'ReO_x/Rutileâ€TiO₂ Catalyst. ChemSusChem, 2021, 14, 642-654.	6.8	26
13	Low-temperature catalytic upgrading of waste polyolefinic plastics into liquid fuels and waxes. Applied Catalysis B: Environmental, 2021, 285, 119805.	20.2	137
14	Hydrodeoxygenation of C4â€“C6 sugar alcohols to diols or mono-alcohols with the retention of the carbon chain over a silica-supported tungsten oxide-modified platinum catalyst. Green Chemistry, 2021, 23, 5665-5679.	9.0	23
15	Detailed Characterization of MoO_x-Modified Rh Metal Particles by Ambient-Pressure XPS and DFT Calculations. Journal of Physical Chemistry C, 2021, 125, 4540-4549.	3.1	21
16	Reductive Conversion of Biomass-Derived Furancarboxylic Acids with Retention of Carboxylic Acid Moiety. Transactions of Tianjin University, 2021, 27, 165-179.	6.4	21
17	Comprehensive Study on Ni- or Ir-Based Alloy Catalysts in the Hydrogenation of Olefins and Mechanistic Insight. ACS Catalysis, 2021, 11, 3293-3309.	11.2	20
18	Effective Heterogeneous MoO x â€Modified CeO 2 Catalyst for Michael Addition of Dimethyl Malonate to 2â€Cyclohexenâ€1â€one. ChemCatChem, 2021, 13, 4075.	3.7	1

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19	Adsorption of Keggin-Type Polyoxometalates on Rh Metal Particles under Reductive Conditions. Inorganic Chemistry, 2021, 60, 12413-12424.	4.0	4
20	Catalytic performance of hydrotalcite-like-compound-derived Ni-metal alloy catalyst for toluene reforming with gasoline engine exhaust model gas as reforming agent. Fuel Processing Technology, 2021, 218, 106837.	7.2	15
21	Hydrogen Atom Abstraction by Heterogeneousâ€“Homogeneous Hybrid Catalyst of CeO₂ and 2-Cyanopyridine via Redox of CeO₂ for Câ€“H Bond Oxidation with Air. ACS Catalysis, 2021, 11, 11867-11872.	11.2	5
22	Structure and performance relationship of silica-supported platinum-tungsten catalysts in selective C-O hydrogenolysis of glycerol and 1,4-anhydroerythritol. Applied Catalysis B: Environmental, 2021, 292, 120164.	20.2	26
23	Direct synthesis of polycarbonate diols from atmospheric flow CO₂ and diols without using dehydrating agents. Green Chemistry, 2021, 23, 5786-5796.	9.0	21
24	Guaiacol Hydrodeoxygenation over Ironâ€“Ceria Catalysts with Platinum Single-Atom Alloy Clusters as a Promoter. ACS Catalysis, 2021, 11, 12794-12814.	11.2	24
25	CeO₂-Catalyzed Synthesis of 2-Imidazolidinone from Ethylenediamine Carbamate. ACS Omega, 2021, 6, 27527-27535.	3.5	12
26	Organic compound modification of CeO2 and 2-cyanopyridine hybrid catalyst in carbonate synthesis from CO2 and alcohols. Journal of CO2 Utilization, 2021, 54, 101744.	6.8	6
27	Taming heterogeneous rhenium catalysis for the production of biomass-derived chemicals. Chinese Chemical Letters, 2020, 31, 1071-1077.	9.0	27
28	Synthesis of Hexane-Tetrols and -Triols with Fixed Hydroxyl Group Positions and Stereochemistry from Methyl Glycosides over Supported Metal Catalysts. ACS Sustainable Chemistry and Engineering, 2020, 8, 800-805.	6.7	13
29	Recent Developments of Heterogeneous Catalysts for Hydrogenation of Carboxylic Acids to their Corresponding Alcohols. Asian Journal of Organic Chemistry, 2020, 9, 126-143.	2.7	41
30	Design of supported metal catalysts modified with metal oxides for hydrodeoxygenation of biomass-related molecules. Current Opinion in Green and Sustainable Chemistry, 2020, 22, 13-21.	5.9	41
31	One-pot production of dioctyl ether from 1,2-octanediol over rutile-titania-supported palladium-tungsten catalyst. Molecular Catalysis, 2020, , 111208.	2.0	0
32	Hydrodeoxygenation of Guaiacol to Phenol over Ceria-Supported Iron Catalysts. ACS Catalysis, 2020, 10, 14624-14639.	11.2	55
33	Reforming of toluene with simulated automobile exhaust gas over hydrotalcite-like-compound-derived Ni catalyst. Fuel Processing Technology, 2020, 209, 106545.	7.2	11
34	An effective combination catalyst of CeO₂ and zeolite for the direct synthesis of diethyl carbonate from CO₂ and ethanol with 2,2-diethoxypropane as a dehydrating agent. Green Chemistry, 2020, 22, 7321-7327.	9.0	29
35	Mechanistic Study on Deoxydehydration and Hydrogenation of Methyl Glycosides to Dideoxy Sugars over a ReO_xâ€“Pd/CeO₂ Catalyst. ACS Catalysis, 2020, 10, 12040-12051.	11.2	21
36	Reduction of sugar derivatives to valuable chemicals: utilization of asymmetric carbons. Catalysis Science and Technology, 2020, 10, 3805-3824.	4.1	20

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37	Tungstenâ€“zirconia-supported rhenium catalyst combined with a deoxydehydration catalyst for the one-pot synthesis of 1,4-butanediol from 1,4-anhydroerythritol. Reaction Chemistry and Engineering, 2020, 5, 1237-1250.	3.7	17
38	One-pot synthesis of 1,3-butanediol by 1,4-anhydroerythritol hydrogenolysis over a tungsten-modified platinum on silica catalyst. Green Chemistry, 2020, 22, 2375-2380.	9.0	42
39	Reaction of CO2 With Alcohols to Linear-, Cyclic-, and Poly-Carbonates Using CeO2-Based Catalysts. Frontiers in Energy Research, 2020, 8, .	2.3	35
40	Hydrogenolysis of tetrahydrofuran-2-carboxylic acid over tungsten-modified rhodium catalyst. Applied Catalysis A: General, 2020, 602, 117723.	4.3	9
41	Efficient production of adipic acid from 2-methoxycyclohexanone by aerobic oxidation with a phosphotungstic acid catalyst. Green Chemistry, 2020, 22, 4962-4974.	9.0	18
42	Erythritol: Another C4 Platform Chemical in Biomass Refinery. ACS Omega, 2020, 5, 2520-2530.	3.5	73
43	Catalytic function of CeO2 in non-reductive conversion of CO2 with alcohols. Materials Today Sustainability, 2020, 9, 100035.	4.1	32
44	Mechanism of Formation of Highly Dispersed Metallic Ruthenium Particles on Ceria Support by Heating and Reduction. Journal of Physical Chemistry C, 2019, 123, 20817-20828.	3.1	8
45	A nickelâ€“iridium alloy as an efficient heterogeneous catalyst for hydrogenation of olefins. Chemical Communications, 2019, 55, 10519-10522.	4.1	15
46	Selective Hydrogenolysis of Glycerol to 1,3-Propanediol over Rhenium-Oxide-Modified Iridium Nanoparticles Coating Rutile Titania Support. ACS Catalysis, 2019, 9, 10913-10930.	11.2	80
47	Highly Efficient Synthesis of Alkyl N-Arylcarbamates from CO₂, Anilines, and Branched Alcohols with a Catalyst System of CeO₂ and 2-Cyanopyridine. ACS Sustainable Chemistry and Engineering, 2019, 7, 16795-16802.	6.7	43
48	Recent development of production technology of diesel- and jet-fuel-range hydrocarbons from inedible biomass. Fuel Processing Technology, 2019, 193, 404-422.	7.2	83
49	Highly active iridiumâ€“rhenium catalyst condensed on silica support for hydrogenolysis of glycerol to 1,3-propanediol. Applied Catalysis B: Environmental, 2019, 256, 117775.	20.2	70
50	Preparation of Highly Active Monometallic Rhenium Catalysts for Selective Synthesis of 1,4â€Butanediol from 1,4â€Anhydroerythritol. ChemSusChem, 2019, 12, 3615-3626.	6.8	37
51	Demethoxylation of hydrogenated derivatives of guaiacol without external hydrogen over platinum catalyst. Molecular Catalysis, 2019, 471, 60-70.	2.0	17
52	Recent Developments of Heterogeneous Catalysts for Selective Hydrogenation of Unsaturated Carbonyl Compounds to Unsaturated Alcohols. Journal of the Japan Petroleum Institute, 2019, 62, 106-119.	0.6	12
53	Structure and Mechanism of Titania-Supported Platinumâ€“Molybdenum Catalyst for Hydrodeoxygenation of 2-Furancarboxylic Acid to Valeric Acid. ACS Sustainable Chemistry and Engineering, 2019, 7, 9601-9612.	6.7	20
54	Direct Synthesis of Unsaturated Sugars from Methyl Glycosides. ACS Catalysis, 2019, 9, 3725-3729.	11.2	22

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55	Direct Synthesis of Alternating Polycarbonates from CO₂ and Diols by Using a Catalyst System of CeO₂ and 2-Furonitrile. ACS Sustainable Chemistry and Engineering, 2019, 7, 6304-6315.	6.7	64
56	CO₂ Conversion with Alcohols and Amines into Carbonates, Ureas, and Carbamates over CeO₂ Catalyst in the Presence and Absence of 2â€Cyanopyridine. Chemical Record, 2019, 19, 1354-1379.	5.8	70
57	Selective hydrogenolysis of 2-furancarboxylic acid to 5-hydroxyvaleric acid derivatives over supported platinum catalysts. Green Chemistry, 2019, 21, 6133-6145.	9.0	26
58	Aerobic oxidation of alkyl chain in alkylphenols over combination of Pt and Pd catalysts. Applied Catalysis A: General, 2019, 569, 149-156.	4.3	2
59	Fabrication of FeO -ZrO2 nanostructures for automotive three-way catalysts by supercritical hydrothermal synthesis with supercritical CO2 drying. Journal of Supercritical Fluids, 2019, 147, 302-309.	3.2	7
60	Transformation of Sugars into Chiral Polyols over a Heterogeneous Catalyst. Angewandte Chemie - International Edition, 2018, 57, 8058-8062.	13.8	51
61	One-pot catalytic selective synthesis of 1,4-butanediol from 1,4-anhydroerythritol and hydrogen. Green Chemistry, 2018, 20, 2547-2557.	9.0	44
62	Regioselective hydrogenolysis of alga-derived squalane over silica-supported rutheniumâ€‘vanadium catalyst. Fuel Processing Technology, 2018, 176, 249-257.	7.2	31
63	Transformation of Sugars into Chiral Polyols over a Heterogeneous Catalyst. Angewandte Chemie, 2018, 130, 8190-8194.	2.0	11
64	Mechanistic Study of Hydrogen-Driven Deoxydehydration over Ceria-Supported Rhenium Catalyst Promoted by Au Nanoparticles. ACS Catalysis, 2018, 8, 584-595.	11.2	70
65	Hydrogenolysis of glycerol with in-situ produced H 2 by aqueous-phase reforming of glycerol using Pt-modified Ir-ReO x /SiO 2 catalyst. Catalysis Today, 2018, 303, 106-116.	4.4	36
66	Ring-opening polymerization of trimethylene carbonate to poly(trimethylene carbonate) diol over a heterogeneous high-temperature calcined CeO2 catalyst. Chemical Communications, 2018, 54, 14017-14020.	4.1	10
67	Direct Catalytic Synthesis of Nâ€Arylcarbamates from CO₂, Anilines and Alcohols. ChemCatChem, 2018, 10, 4821-4825.	3.7	49
68	Perspective on catalyst development for glycerol reduction to C3 chemicals with molecular hydrogen. Research on Chemical Intermediates, 2018, 44, 3879-3903.	2.7	74
69	Selective Câ€“C Hydrogenolysis of Alkylbenzenes to Methylbenzenes with Suppression of Ring Hydrogenation. ChemCatChem, 2018, 10, 4172-4181.	3.7	3
70	Selective hydrogenation of amides to alcohols in water solvent over a heterogeneous CeO₂-supported Ru catalyst. Chemical Communications, 2018, 54, 7503-7506.	4.1	21
71	Catalytic Transformations of Furfural and its Derived Compounds into Pentanediols. Sustainable Chemistry Series, 2018, , 91-109.	0.1	0
72	Effective NbO_x-Modified Ir/SiO₂ Catalyst for Selective Gas-Phase Hydrogenation of Crotonaldehyde to Crotyl Alcohol. ACS Sustainable Chemistry and Engineering, 2017, 5, 3685-3697.	6.7	42

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73	Selective hydrogenation of nitroarenes to aminoarenes using a MoO_x-modified Ru/SiO₂ catalyst under mild conditions. Chemical Communications, 2017, 53, 3377-3380.	4.1	63
74	Oxidative Câ^'C Cleavage of Ketols over Vanadiumâ€"Carbon Catalysts. ChemCatChem, 2017, 9, 3412-3419.	3.7	17
75	In Situ Formed Fe Cation Modified Ir/MgO Catalyst for Selective Hydrogenation of Unsaturated Carbonyl Compounds. ACS Catalysis, 2017, 7, 5103-5111.	11.2	53
76	Selective hydrogenolysis and hydrogenation using metal catalysts directly modified with metal oxide species. Green Chemistry, 2017, 19, 2876-2924.	9.0	206
77	Selective N-Methylation of Aniline to N-Methylaniline with CO₂ and H₂ by CeO₂-supported Cu Sub-nanoparticle Catalyst. Chemistry Letters, 2017, 46, 1243-1246.	1.3	21
78	Production of Gasoline Fuel from Algaâ€Derived Botryococcene by Hydrogenolysis over Ceriaâ€Supported Ruthenium Catalyst. ChemCatChem, 2017, 9, 2701-2708.	3.7	20
79	Nickelâ€"iron alloy catalysts for reforming of hydrocarbons: preparation, structure, and catalytic properties. Catalysis Science and Technology, 2017, 7, 3952-3979.	4.1	116
80	Formation of a New, Strongly Basic Nitrogen Anion by Metal Oxide Modification. Journal of the American Chemical Society, 2017, 139, 11857-11867.	13.7	27
81	Transformation of Diols to Ketones via Intramolecular Borrowing Hydrogen Mechanism. Chemistry Letters, 2017, 46, 1333-1336.	1.3	4
82	Regioselectivity and Reaction Mechanism of Ruâ€Catalyzed Hydrogenolysis of Squalane and Model Alkanes. ChemSusChem, 2017, 10, 189-198.	6.8	47
83	Self-Assembled Materials for Catalysis. , 2017, , 329-349.		0
84	Supported Metal Catalysts for Total Hydrogenation of Furfural and 5-Hydroxymethylfurfural. Journal of the Japan Petroleum Institute, 2017, 60, 1-9.	0.6	37
85	Production of Diols from Biomass. Biofuels and Biorefineries, 2017, , 343-373.	0.5	4
86	Production of Cellulose-derived Olefins and Applicability to Gasoline. Journal of the Japan Petroleum Institute, 2016, 59, 228-234.	0.6	4
87	Oxidative Cleavage of Vicinal Diols with the Combination of Platinum and Vanadium Catalysts and Molecular Oxygen. ChemCatChem, 2016, 8, 1732-1738.	3.7	29
88	Synthesis of 2â€Butanol by Selective Hydrogenolysis of 1,4â€Anhydroerythritol over Molybdenum Oxideâ€Modified Rhodiumâ€Supported Silica. ChemSusChem, 2016, 9, 1680-1688.	6.8	51
89	Characterization and catalytic performance of hydrotalcite-derived Ni-Cu alloy nanoparticles catalysts for steam reforming of 1-methylnaphthalene. Applied Catalysis B: Environmental, 2016, 192, 171-181.	20.2	87
90	Performance, Structure, and Mechanism of ReO_xâ€"Pd/CeO₂ Catalyst for Simultaneous Removal of Vicinal OH Groups with H₂. ACS Catalysis, 2016, 6, 3213-3226.	11.2	114

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91	Selective Hydrogenation of Crotonaldehyde to Crotyl Alcohol over Metal Oxide Modified Ir Catalysts and Mechanistic Insight. ACS Catalysis, 2016, 6, 3600-3609.	11.2	115
92	Hydrogenation of dicarboxylic acids to diols over Reâ€“Pd catalysts. Catalysis Science and Technology, 2016, 6, 5668-5683.	4.1	87
93	Selective Hydrodeoxygenation of 2-Furancarboxylic Acid to Valeric Acid over Molybdenum-Oxide-Modified Platinum Catalyst. ACS Sustainable Chemistry and Engineering, 2016, 4, 6253-6257.	6.7	43
94	Deoxydehydration with Molecular Hydrogen over Ceria-Supported Rhenium Catalyst with Gold Promoter. ACS Catalysis, 2016, 6, 6393-6397.	11.2	106
95	Direct Copolymerization of CO2 and Diols. Scientific Reports, 2016, 6, 24038.	3.3	98
96	Catalytic conversion of sorbitol to gasoline-ranged products without external hydrogen over Pt-modified Ir-ReO x /SiO 2. Catalysis Today, 2016, 269, 122-131.	4.4	36
97	Cu Sub-Nanoparticles on Cu/CeO₂ as an Effective Catalyst for Methanol Synthesis from Organic Carbonate by Hydrogenation. ACS Catalysis, 2016, 6, 376-380.	11.2	62
98	CeO2-catalyzed direct synthesis of dialkylureas from CO2 and amines. Journal of Catalysis, 2016, 343, 75-85.	6.2	86
99	Selective transformation of hemicellulose (xylan) into n-pentane, pentanols or xylitol over a rhenium-modified iridium catalyst combined with acids. Green Chemistry, 2016, 18, 165-175.	9.0	93
100	New Reaction Schemes for the Production of Biomass-Based Chemicals Created by Selective Catalytic Hydrogenolysis: Catalysts with Noble Metal and Tungsten. Green Chemistry and Sustainable Technology, 2016, , 203-225.	0.7	0
101	Demethoxylation of guaiacol and methoxybenzenes over carbon-supported Ruâ€“Mn catalyst. Applied Catalysis B: Environmental, 2016, 182, 193-203.	20.2	113
102	Catalytic Production of Branched Small Alkanes from Biohydrocarbons. ChemSusChem, 2015, 8, 2472-2475.	6.8	52
103	Production of Renewable Hexanols from Mechanocatalytically Depolymerized Cellulose by Using Ir-ReOx/SiO2catalyst. ChemSusChem, 2015, 8, 571-571.	6.8	2
104	Insight into the Mechanism of Hydrogenation of Amino Acids to Amino Alcohols Catalyzed by a Heterogeneous MoO_xâ€Modified Rh Catalyst. Chemistry - A European Journal, 2015, 21, 3097-3107.	3.3	49
105	Catalytic Total Hydrodeoxygenation of Biomassâ€Derived Polyfunctionalized Substrates to Alkanes. ChemSusChem, 2015, 8, 1114-1132.	6.8	123
106	Production of Renewable Hexanols from Mechanocatalytically Depolymerized Cellulose by Using Irâ€ReO_x/SiO₂ catalyst. ChemSusChem, 2015, 8, 628-635.	6.8	77
107	Promoting effect of trace Pd on hydrotalcite-derived Ni/Mg/Al catalyst in oxidative steam reforming of biomass tar. Applied Catalysis B: Environmental, 2015, 179, 412-421.	20.2	61
108	Catalytic gasification of oil-extracted residue biomass of Botryococcus braunii. Bioresource Technology, 2015, 191, 452-459.	9.6	33

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109	Combination of supported bimetallic rhodiumâ€“molybdenum catalyst and cerium oxide for hydrogenation of amide. Science and Technology of Advanced Materials, 2015, 16, 014901.	6.1	21
110	Self-assembled hybrid metal oxide base catalysts prepared by simply mixing with organic modifiers. Nature Communications, 2015, 6, 8580.	12.8	38
111	Characterization of Reâ€“Pd/SiO₂ Catalysts for Hydrogenation of Stearic Acid. ACS Catalysis, 2015, 5, 7034-7047.	11.2	96
112	Catalytic Conversions of Furfural to Pentanediols. Catalysis Surveys From Asia, 2015, 19, 249-256.	2.6	67
113	Comparative study on steam reforming of model aromatic compounds of biomass tar over Ni and Niâ€“Fe alloy nanoparticles. Applied Catalysis A: General, 2015, 506, 151-162.	4.3	119
114	Selective Hydrogenation of Lactic Acid to 1,2â€Propanediol over Highly Active Rutheniumâ€“Molybdenum Oxide Catalysts. ChemSusChem, 2015, 8, 1170-1178.	6.8	75
115	Hydrodeoxygenation of Vicinal OH Groups over Heterogeneous Rhenium Catalyst Promoted by Palladium and Ceria Support. Angewandte Chemie - International Edition, 2015, 54, 1897-1900.	13.8	122
116	Metal catalysts for steam reforming of tar derived from the gasification of lignocellulosic biomass. Bioresource Technology, 2015, 178, 53-64.	9.6	175
117	Role of Re Species and Acid Cocatalyst on Ir-ReO_x/SiO₂in the C-O Hydrogenolysis of Biomass-Derived Substrates. Chemical Record, 2014, 14, 1041-1054.	5.8	72
118	Direct conversion of <scp>CO₂</scp> with diols, aminoalcohols and diamines to cyclic carbonates, cyclic carbamates and cyclic ureas using heterogeneous catalysts. Journal of Chemical Technology and Biotechnology, 2014, 89, 19-33.	3.2	135
119	Regenerability of Hydrotalciteâ€Derived Nickelâ€“Iron Alloy Nanoparticles for Syngas Production from Biomass Tar. ChemSusChem, 2014, 7, 510-522.	6.8	159
120	Selective Hydrodeoxygenation of Cyclic Vicinal Diols to Cyclic Alcohols over Tungsten Oxideâ€“Palladium Catalysts. ChemSusChem, 2014, 7, 2185-2192.	6.8	37
121	Selective Hydrogenolysis of Câ€“O Bonds Using the Interaction of the Catalyst Surface and OH Groups. Topics in Current Chemistry, 2014, 353, 127-162.	4.0	29
122	One-pot selective conversion of furfural into 1,5-pentanediol over a Pd-added Irâ€“ReO_x/SiO₂bifunctional catalyst. Green Chemistry, 2014, 16, 617-626.	9.0	215
123	Catalytic performance and characterization of Co/Mg/Al catalysts prepared from hydrotalcite-like precursors for the steam gasification of biomass. Applied Catalysis B: Environmental, 2014, 150-151, 82-92.	20.2	73
124	Promoting effect of Ru on Ir-ReOx/SiO2 catalyst in hydrogenolysis of glycerol. Journal of Molecular Catalysis A, 2014, 388-389, 177-187.	4.8	65
125	Catalytic performance and characterization of Coâ€“Fe bcc alloy nanoparticles prepared from hydrotalcite-like precursors in the steam gasification of biomass-derived tar. Applied Catalysis B: Environmental, 2014, 160-161, 701-715.	20.2	47
126	Structure of catalytically active Rhâ€“In bimetallic phase for amination of alcohols. RSC Advances, 2014, 4, 28664.	3.6	18

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127	Catalytic materials for the hydrogenolysis of glycerol to 1,3-propanediol. Journal of Materials Chemistry A, 2014, 2, 6688-6702.	10.3	166
128	Selective production of cyclohexanol and methanol from guaiacol over Ru catalyst combined with MgO. Green Chemistry, 2014, 16, 2197-2203.	9.0	145
129	One-Pot Conversion of Cellulose into n-Hexane over the Ir-ReO_x/SiO₂ Catalyst Combined with HZSM-5. ACS Sustainable Chemistry and Engineering, 2014, 2, 1819-1827.	6.7	140
130	Characterization of oil-extracted residue biomass of Botryococcus braunii as a biofuel feedstock and its pyrolytic behavior. Applied Energy, 2014, 132, 475-484.	10.1	44
131	Organic carbonate synthesis from CO2 and alcohol over CeO2 with 2-cyanopyridine: Scope and mechanistic studies. Journal of Catalysis, 2014, 318, 95-107.	6.2	142
132	Catalytic CO₂conversion to organic carbonates with alcohols in combination with dehydration system. Catalysis Science and Technology, 2014, 4, 2830-2845.	4.1	136
133	Catalytic hydrogenation of amino acids to amino alcohols with complete retention of configuration. Chemical Communications, 2014, 50, 6656.	4.1	57
134	Total Hydrogenation of Furfural and 5-Hydroxymethylfurfural over Supported Pdâ€“Ir Alloy Catalyst. ACS Catalysis, 2014, 4, 2718-2726.	11.2	289
135	Performance and characterization of rhenium-modified Rhâ€“Ir alloy catalyst for one-pot conversion of furfural into 1,5-pentanediol. Catalysis Science and Technology, 2014, 4, 2535-2549.	4.1	140
136	Direct Cyclic Carbonate Synthesis from CO₂ and Diol over Carboxylation/Hydration Cascade Catalyst of CeO₂ with 2-Cyanopyridine. ACS Catalysis, 2014, 4, 1893-1896.	11.2	167
137	Preparation of Niâ€“Cu/Mg/Al catalysts from hydrotalcite-like compounds for hydrogen production by steam reforming of biomass tar. International Journal of Hydrogen Energy, 2014, 39, 10959-10970.	7.1	144
138	Synthesis of Î±-Hydroxy Ketones from Vicinal Diols by Selective Dehydrogenation over Irâ€“ReOx/SiO2 Catalyst. Chemistry Letters, 2014, 43, 334-336.	1.3	11
139	Amination of Alcohols with Ammonia in Water over Rhâ€“In Catalyst. Chemistry Letters, 2014, 43, 822-824.	1.3	24
140	Catalytic performance and characterization of Niâ€“Co catalysts for the steam reforming of biomass tar to synthesis gas. Fuel, 2013, 112, 654-661.	6.4	215
141	One-Pot Conversion of Sugar and Sugar Polyols ton-Alkanes without Cï£¿C Dissociation over the Ir-ReOx/SiO2Catalyst Combined with H-ZSM-5. ChemSusChem, 2013, 6, 548-548.	6.8	2
142	Catalytic Reduction of Biomass-Derived Furanic Compounds with Hydrogen. ACS Catalysis, 2013, 3, 2655-2668.	11.2	584
143	Ceriaâ€Catalyzed Conversion of Carbon Dioxide into Dimethyl Carbonate with 2â€Cyanopyridine. ChemSusChem, 2013, 6, 1341-1344.	6.8	153
144	Hydrogenolysis of CO bond over Re-modified Ir catalyst in alkane solvent. Applied Catalysis A: General, 2013, 468, 418-425.	4.3	74

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145	Production of renewable hydrogen by steam reforming of tar from biomass pyrolysis over supported Co catalysts. International Journal of Hydrogen Energy, 2013, 38, 3572-3581.	7.1	74
146	Heterogeneous CeO2-catalyzed selective synthesis of cyclic carbamates from CO2 and aminoalcohols in acetonitrile solvent. Journal of Catalysis, 2013, 305, 191-203.	6.2	103
147	High catalytic activity of Co-Fe/Î±-Al2O3 in the steam reforming of toluene in the presence of hydrogen. Applied Catalysis B: Environmental, 2013, 140-141, 652-662.	20.2	44
148	Performance, structure and mechanism of Pdâ€“Ag alloy catalyst for selective oxidation of glycerol to dihydroxyacetone. Journal of Catalysis, 2013, 300, 205-216.	6.2	117
149	Oneâ€Pot Conversion of Sugar and Sugar Polyols to nâ€Alkanes without Cï¿½C Dissociation over the Irâ€ReO_x/SiO₂ Catalyst Combined with Hâ€ZSMâ€5. ChemSusChem, 2013, 6, 613-621.	6.8	128
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151	Rapid synthesis of unsaturated alcohols under mild conditions by highly selective hydrogenation. Chemical Communications, 2013, 49, 7034.	4.1	195
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