Hu Li

List of Publications by Year
in descending order

180 papers	6,412 citations	44069 48 h-index	85541 71 g-index
186 all docs	186 docs citations	186 times ranked	4902 citing authors

#	Article	IF	Citations
1	Room-temperature selective hydrogenation of unsaturated biomass feedstocks enabled by hydrosilane and eggshell-derived catalyst with enhanced basicity and hydrophobicity. Biomass Conversion and Biorefinery, 2024, 14, 1663-1677.	4.6	0
2	Ammonia borane-enabled hydrogen transfer processes: Insights into catalytic strategies and mechanisms. Green Energy and Environment, 2023, 8, 948-971.	8.7	19
3	Catalytic conversion of acrolein and acrylic acid drop-ins for added-value chemicals. , 2022, , 47-62.		1
4	Sustainable Catalyst-free N-formylation using CO2 as a Carbon Source. Current Organic Synthesis, 2022, 19, 187-196.	1.3	2
5	Electrovalent bifunctional acid enables heterogeneously catalytic production of biodiesel by (trans)esterification of non-edible oils. Fuel, 2022, 310, 122273.	6.4	31
6	Direct production of biodiesel from crude Euphorbia lathyris L. Oil catalyzed by multifunctional mesoporous composite materials. Fuel, 2022, 309, 122172.	6.4	27
7	One-step catalytic upgrading of bio-based furfural to Î³-valerolactone actuated by coordination organophosphateâ€“Hf polymers. Sustainable Energy and Fuels, 2022, 6, 484-501.	4.9	11
8	Low-temperature reduction of bio-based cinnamaldehyde to Î±,Î²-(un)saturated alcohols enabled by a waste-derived catalyst. Catalysis Communications, 2022, 162, 106391.	3.3	1
9	Advances in Dielsâ€“Alder/aromatization of biomass furan derivatives towards renewable aromatic hydrocarbons. Catalysis Science and Technology, 2022, 12, 1902-1921.	4.1	28
10	Carboxylateâ€Functionalized Zeolitic Imidazolate Framework Enables Catalytic Nâ€Formylation Using Ambient CO₂. Advanced Sustainable Systems, 2022, 6, .	5.3	9
11	Selectivity Control of C-O Bond Cleavage for Catalytic Biomass Valorization. Frontiers in Energy Research, 2022, 9, .	2.3	5
12	Electroâ€•and Photocatalytic Oxidative Upgrading of Bioâ€based 5â€Hydroxymethylfurfural. ChemSusChem, 2022, 15, .	6.8	67
13	Thermal catalytic conversion of bioderived oils to biodiesel with sulfonic acidâ€“functionalized solid materials. , 2022, , 163-209.		0
14	Catalytic upgrading of CO2 to N-formamides. , 2022, , 613-639.		0
15	Magnetic solid sulfonic acid-enabled direct catalytic production of biomass-derived N-substituted pyrroles. New Journal of Chemistry, 2022, 46, 5312-5320.	2.8	6
16	Pretreatment methods for converting straws into fermentable sugars. , 2022, , 117-162.		0
17	Advances in the Catalytic Reductive Amination of Furfural to Furfural Amine: The Momentous Role of Active Metal Sites. ChemSusChem, 2022, 15, .	6.8	22
18	Reductive Upgrading of Biomass-Based Levulinic Acid to Î³-Valerolactone Over Ru-Based Single-Atom Catalysts. Frontiers in Chemistry, 2022, 10, 895198.	3.6	2

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19	Sn-Beta Catalyzed Transformations of Sugarsâ€"Advances in Catalyst and Applications. Catalysts, 2022, 12, 405.	3.5	8
20	Recent Biotechnology Advances in Bio-Conversion of Lignin to Lipids by Bacterial Cultures. Frontiers in Chemistry, 2022, 10, 894593.	3.6	5
21	Lignin-derived layered 3D biochar with controllable acidity for enhanced catalytic upgrading of Jatropha oil to biodiesel. Catalysis Today, 2022, 404, 35-48.	4.4	26
22	Research Progress on the Photo-Driven Catalytic Production of Biodiesel. Frontiers in Chemistry, 2022, 10, 904251.	3.6	5
23	A New Lamellar Biocarbon Catalyst with Enhanced Acidity and Contact Sites for Efficient Biodiesel Production. Waste and Biomass Valorization, 2022, 13, 4223-4238.	3.4	2
24	Lignin-Derived Ternary Polymeric Carbon as a Green Catalyst for Ethyl Levulinate Upgrading from Fructose. Catalysts, 2022, 12, 778.	3.5	0
25	Protophilic solvent-impelled quasi-catalytic CO2 valorization to formic acid and N-formamides. Fuel, 2022, 326, 125074.	6.4	4
26	Sustainable and rapid production of biofuel Î³-valerolactone from biomass-derived levulinate enabled by a fluoride-ionic liquid. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2021, 43, 905-915.	2.3	3
27	Sulfonic acid-functionalized heterogeneous catalytic materials for efficient biodiesel production: A review. Journal of Environmental Chemical Engineering, 2021, 9, 104719.	6.7	42
28	Catalytic cascade acetylation-alkylation of biofuran to C17 diesel precursor enabled by a budget acid-switchable catalyst. Chinese Journal of Chemical Engineering, 2021, 34, 171-179.	3.5	3
29	Refreshable Braille Display System Based on Triboelectric Nanogenerator and Dielectric Elastomer. Advanced Functional Materials, 2021, 31, 2006612.	14.9	96
30	Metalâ€"organic framework-based functional catalytic materials for biodiesel production: a review. Green Chemistry, 2021, 23, 2595-2618.	9.0	60
31	Room-temperature quasi-catalytic hydrogen generation from waste and water. Green Chemistry, 2021, 23, 7528-7533.	9.0	4
32	A substituent- and temperature-controllable NHC-derived zwitterionic catalyst enables CO₂ upgrading for high-efficiency construction of formamides and benzimidazoles. Green Chemistry, 2021, 23, 5759-5765.	9.0	18
33	Hydrothermal amination of biomass to nitrogenous chemicals. Green Chemistry, 2021, 23, 6675-6697.	9.0	48
34	Advances in Pretreatment of Straw Biomass for Sugar Production. Frontiers in Chemistry, 2021, 9, 696030.	3.6	55
35	Catalytic Stereoselective Conversion of Biomass-Derived 4â€²-Methoxypropiophenone to Trans-Anethole with a Bifunctional and Recyclable Hf-Based Polymeric Nanocatalyst. Polymers, 2021, 13, 2808.	4.5	7
36	Catalytic Upgrading of Bioâ€Based 5â€Hydroxymethylfurfural to 2,5â€Dimethylfuran with Nonâ€Noble Metals. Energy Technology, 2021, 9, 2100653.	3.8	10

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37	Singleâ€Atom Catalystsâ€Enabled Reductive Upgrading of CO₂. ChemCatChem, 2021, 13, 4859-4877.	3.7	10
38	Electrocatalytic Oxidation of Biomass-derived 5-Hydroxymethylfurfural to 2,5-Furandicarboxylic acid Coupled with H2 Evolution. Current Organic Chemistry, 2021, 25, .	1.6	4
39	Mesoporous tin phosphate as an effective catalyst for fast cyclodehydration of bio-based citral into p-cymene. Molecular Catalysis, 2021, 515, 111887.	2.0	4
40	Heterogeneous ZnO-containing catalysts for efficient biodiesel production. RSC Advances, 2021, 11, 20465-20478.	3.6	33
41	Hierarchical Porous MIL-101(Cr) Solid Acid-Catalyzed Production of Value-Added Acetals from Biomass-Derived Furfural. Polymers, 2021, 13, 3498.	4.5	6
42	Catalytic high-yield biodiesel production from fatty acids and non-food oils over a magnetically separable acid nanosphere. Industrial Crops and Products, 2021, 173, 114126.	5.2	33
43	Catalytic Synthesis of the Biofuel 5-Ethoxymethylfurfural (EMF) from Biomass Sugars. Journal of Chemistry, 2021, 2021, 1-16.	1.9	3
44	Visible-light-driven prompt and quantitative production of lactic acid from biomass sugars over a N-TiO₂ photothermal catalyst. Green Chemistry, 2021, 23, 10039-10049.	9.0	27
45	One-step upgrading of bio-based furfural to Î³-valerolactone via HfCl₄-mediated bifunctional catalysis. RSC Advances, 2021, 11, 35415-35424.	3.6	9
46	Dual acidic mesoporous KIT silicates enable one-pot production of Î³-valerolactone from biomass derivatives via cascade reactions. Renewable Energy, 2020, 146, 359-370.	8.9	48
47	F-containing ionic liquidâ€“catalyzed benign and rapid hydrogenation of bio-based furfural and relevant aldehydes using siloxane as hydrogen source. Biomass Conversion and Biorefinery, 2020, 10, 795-802.	4.6	5
48	Cycloamination strategies for renewable N-heterocycles. Green Chemistry, 2020, 22, 582-611.	9.0	100
49	Heterogeneous (de)chlorination-enabled control of reactivity in the liquid-phase synthesis of furanic biofuel from cellulosic feedstock. Green Chemistry, 2020, 22, 637-645.	9.0	32
50	Hot water-promoted catalyst-free reductive cycloamination of (bio-)keto acids with HCOONH4 toward cyclic amides. Journal of Supercritical Fluids, 2020, 157, 104698.	3.2	12
51	The recent advances in selfâ€powered medical information sensors. InformaÄnÃ-MateriÃ¡ly, 2020, 2, 212-234.	17.3	96
52	Reversible Conversion between Schottky and Ohmic Contacts for Highly Sensitive, Multifunctional Biosensors. Advanced Functional Materials, 2020, 30, 1907999.	14.9	61
53	3-Bromopyridine-Heterogenized Phosphotungstic Acid for Efficient Trimerization of Biomass-Derived 5-Hydroxymethylfurfural with 2-Methylfuran to C₂₁ Fuel Precursor. Advances in Polymer Technology, 2020, 2020, 1-12.	1.7	1
54	Low-cost acetate-catalyzed efficient synthesis of benzimidazoles using ambient CO2 as a carbon source under mild conditions. Sustainable Chemistry and Pharmacy, 2020, 17, 100276.	3.3	10

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55	Heteropoly Acid-Based Catalysts for Hydrolytic Depolymerization of Cellulosic Biomass. Frontiers in Chemistry, 2020, 8, 580146.	3.6	23
56	TiO₂-Based Water-Tolerant Acid Catalysis for Biomass-Based Fuels and Chemicals. ACS Catalysis, 2020, 10, 9555-9584.	11.2	63
57	Zeolite-related catalysts for biomass-derived sugar valorization. , 2020, , 141-159.		2
58	Endogenous Xâ€“Cî€O species enable catalyst-free formylation prerequisite for CO₂ reductive upgrading. Green Chemistry, 2020, 22, 5822-5832.	9.0	21
59	Recent advances in liquid hydrosilane-mediated catalytic N-formylation of amines with CO₂. RSC Advances, 2020, 10, 33972-34005.	3.6	20
60	Advances in Heterogeneously Catalytic Degradation of Biomass Saccharides with Ordered-Nanoporous Materials. Industrial & Engineering Chemistry Research, 2020, 59, 16970-16986.	3.7	5
61	Sustainable Conversion of Biomass-derived Carbohydrates into Lactic Acid Using Heterogeneous Catalysts. Current Green Chemistry, 2020, 7, 282-289.	1.1	7
62	Direct production of biodiesel from waste oils with a strong solid base from alkalized industrial clay ash. Applied Energy, 2020, 264, 114735.	10.1	45
63	Lactic acid/lactates production from biomass over chemocatalytic strategies. , 2020, , 227-257.		3
64	ZrOCl₂ as a bifunctional and in situ precursor material for catalytic hydrogen transfer of bio-based carboxides. Sustainable Energy and Fuels, 2020, 4, 3102-3114.	4.9	19
65	Highly Selective Reduction of Bio-Based Furfural to Furfuryl Alcohol Catalyzed by Supported KF with Polymethylhydrosiloxane (PMHS). Journal of Chemistry, 2020, 2020, 1-10.	1.9	4
66	Progress of Catalytic Valorization of Bio-Glycerol with Urea into Glycerol Carbonate as a Monomer for Polymeric Materials. Advances in Polymer Technology, 2020, 2020, 1-17.	1.7	13
67	Furfural as a renewable chemical platform for furfuryl alcohol production. , 2020, , 299-322.		8
68	Conversion of Lignocellulosic Biomass and Derivatives into Value-Added Heteroatom-Containing Compounds. Journal of Chemistry, 2020, 2020, 1-2.	1.9	0
69	Subcritical water gasification of lignocellulosic wastes for hydrogen production with Co modified Ni/Al2O3 catalysts. Journal of Supercritical Fluids, 2020, 162, 104863.	3.2	34
70	Nanospheric heterogeneous acid-enabled direct upgrading of biomass feedstocks to novel benzimidazoles with potent antibacterial activities. Industrial Crops and Products, 2020, 150, 112406.	5.2	11
71	Functionalized magnetic nanosized materials for efficient biodiesel synthesis via acidâ€“base/enzyme catalysis. Green Chemistry, 2020, 22, 2977-3012.	9.0	70
72	Functional Nanomaterials-Catalyzed Production of Biodiesel. Current Nanoscience, 2020, 16, 376-391.	1.2	12

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73	CO₂â€Enabled Biomass Fractionation/Depolymerization: Aâ€‰Highly Versatile Preâ€Step for Downstream Processing. ChemSusChem, 2020, 13, 3565-3582.	6.8	20
74	Synergetic combination of a mesoporous polymeric acid and a base enables highly efficient heterogeneous catalytic one-pot conversion of crude Jatropha oil into biodiesel. Green Chemistry, 2020, 22, 1698-1709.	9.0	25
75	An Overview of Metal-organic Frameworks-based Acid/Base Catalysts for Biofuel Synthesis. Current Organic Chemistry, 2020, 24, 1876-1891.	1.6	12
76	Catalytic Dimerization of Bio-Based 5-methylfurfuryl Alcohol to Bis(5-methylfuran-2-yl) Methane with a Solid Acidic Nanohybrid. Current Nanoscience, 2020, 16, 235-245.	1.2	3
77	Green Processes Toward Bioproducts. Current Green Chemistry, 2020, 7, 258-258.	1.1	1
78	Catalytic Transfer Hydrogenation of Biomass-derived Levulinates to Î³-valerolactone Using Alcohols as H-donors. Current Green Chemistry, 2020, 7, 304-313.	1.1	4
79	Efficient Transfer Hydrogenation of Nitro Compounds to Amines Enabled by Mesoporous N-Stabilized Co-Zn/C. Frontiers in Chemistry, 2019, 7, 590.	3.6	18
80	Heterogeneous Catalytic Upgrading of Biofuranic Aldehydes to Alcohols. Frontiers in Chemistry, 2019, 7, 529.	3.6	32
81	Advances in production of bio-based ester fuels with heterogeneous bifunctional catalysts. Renewable and Sustainable Energy Reviews, 2019, 114, 109296.	16.4	107
82	A Facile Direct Route to Nâ€(Un)substituted Lactams by Cycloamination of Oxocarboxylic Acids without External Hydrogen. ChemSusChem, 2019, 12, 3778-3784.	6.8	26
83	Heterogeneously Chemo/Enzyme-Functionalized Porous Polymeric Catalysts of High-Performance for Efficient Biodiesel Production. ACS Catalysis, 2019, 9, 10990-11029.	11.2	88
84	Selective Hydrodeoxygenation of 5-Hydroxymethylfurfural to 2,5-Dimethylfuran over Alloyed Cuâ^'Ni Encapsulated in Biochar Catalysts. ACS Sustainable Chemistry and Engineering, 2019, 7, 19556-19569.	6.7	56
85	Tetraethylammonium Fluoride-mediated A Green Hydrogen Transfer Process for Selective Reduction of Biomass-derived Aldehydes. Current Green Chemistry, 2019, 6, 127-134.	1.1	3
86	Eco-friendly acetylcholine-carboxylate bio-ionic liquids for controllable N-methylation and N-formylation using ambient CO₂ at low temperatures. Green Chemistry, 2019, 21, 567-577.	9.0	68
87	Low-temperature catalytic hydrogenation of bio-based furfural and relevant aldehydes using cesium carbonate and hydrosiloxane. RSC Advances, 2019, 9, 3063-3071.	3.6	15
88	Quasi-Catalytic Approach to N-Unprotected Lactams via Transfer Hydro-amination/Cyclization of Biobased Keto Acids. ACS Sustainable Chemistry and Engineering, 2019, 7, 10207-10213.	6.7	18
89	Efficient Catalytic Upgrade of Fructose to Alkyl Levulinates with Phenylpyridine- phosphotungstate Solid Hybrids. Current Green Chemistry, 2019, 6, 44-52.	1.1	11
90	Heterogeneous Prolinamide-Catalyzed Atom-Economical Synthesis of Î²-Thioketones from Bio-Based Enones. ACS Omega, 2019, 4, 8588-8597.	3.5	5

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91	Efficient Catalytic Upgradation of Bio-Based Furfuryl Alcohol to Ethyl Levulinate Using Mesoporous Acidic MIL-101(Cr). ACS Omega, 2019, 4, 8390-8399.	3.5	17
92	Bioabsorbable Capacitors: Fully Bioabsorbable Capacitor as an Energy Storage Unit for Implantable Medical Electronics (Adv. Sci. 6/2019). Advanced Science, 2019, 6, 1970035.	11.2	2
93	Efficient Catalytic Production of Biodiesel with Acid-Base Bifunctional Rod-Like Ca-B Oxides by the Sol-Gel Approach. Materials, 2019, 12, 83.	2.9	24
94	N-formyl-stabilizing quasi-catalytic species afford rapid and selective solvent-free amination of biomass-derived feedstocks. Nature Communications, 2019, 10, 699.	12.8	69
95	Efficient Production of Methyl Oleate Using a Biomass-Based Solid Polymeric Catalyst with High Acid Density. Advances in Polymer Technology, 2019, 2019, 1-11.	1.7	9
96	Green Technologies for Biomass Upgrading and Relevant Processes. Current Organic Chemistry, 2019, 23, 2143-2144.	1.6	2
97	Catalytic Upgrading of Biomassâ€Derived Sugars with Acidic Nanoporous Materials: Structural Role in Carbonâ€Chain Length Variation. ChemSusChem, 2019, 12, 347-378.	6.8	30
98	Pd-catalysed formation of ester products from cascade reaction of 5-hydroxymethylfurfural with 1-hexene. Applied Catalysis A: General, 2019, 569, 170-174.	4.3	9
99	Acidic ionic liquid-functionalized mesoporous melamine-formaldehyde polymer as heterogeneous catalyst for biodiesel production. Fuel, 2019, 239, 886-895.	6.4	68
100	One Pot Cascade Conversion of Bio-Based Furfural to Levulinic Acid with Cu-Doped Niobium Phosphate Catalysts. Waste and Biomass Valorization, 2019, 10, 1141-1150.	3.4	17
101	Efficient catalytic transfer hydrogenation of biomass-based furfural to furfuryl alcohol with recycable Hf-phenylphosphonate nanohybrids. Catalysis Today, 2019, 319, 84-92.	4.4	68
102	Alcohol-mediated Reduction of Biomass-derived Furanic Aldehydes via Catalytic Hydrogen Transfer. Current Organic Chemistry, 2019, 23, 2168-2179.	1.6	7
103	Solvents take control. Nature Catalysis, 2018, 1, 176-177.	34.4	16
104	Biomass-derived mesoporous Hf-containing hybrid for efficient Meerwein-Ponndorf-Verley reduction at low temperatures. Applied Catalysis B: Environmental, 2018, 227, 79-89.	20.2	118
105	Quantitative synthesis of 2,5-bis(hydroxymethyl)furan from biomass-derived 5-hydroxymethylfurfural and sugars over reusable solid catalysts at low temperatures. Fuel, 2018, 217, 365-369.	6.4	31
106	Facile and Low-cost Synthesis of Mesoporous Tiâ€“Mo Bi-metal Oxide Catalysts for Biodiesel Production from Esterification of Free Fatty Acids in <i>Jatropha curcas</i> Crude Oil. Journal of Oleo Science, 2018, 67, 579-588.	1.4	19
107	Catalytic Tandem Reaction for the Production of Jet and Diesel Fuel Range Alkanes. Energy Technology, 2018, 6, 1060-1066.	3.8	11
108	Catalytic Transfer Hydrogenation of Furfural to Furfuryl Alcohol with Recyclable Alâ€“Zr@Fe Mixed Oxides. ChemCatChem, 2018, 10, 430-438.	3.7	85

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109	Quantitative hydrogenation of furfural to furfuryl alcohol with recyclable KF and hydrosilane at room temperature in minutes. Catalysis Communications, 2018, 105, 6-10.	3.3	17
110	Carbon-Increasing Catalytic Strategies for Upgrading Biomass into Energy-Intensive Fuels and Chemicals. ACS Catalysis, 2018, 8, 148-187.	11.2	267
111	Noble metal-free upgrading of multi-unsaturated biomass derivatives at room temperature: silyl species enable reactivity. Green Chemistry, 2018, 20, 5327-5335.	9.0	28
112	Carbonate-Catalyzed Room-Temperature Selective Reduction of Biomass-Derived 5-Hydroxymethylfurfural into 2,5-Bis(hydroxymethyl)furan. Catalysts, 2018, 8, 633.	3.5	19
113	Chemocatalytic Production of Lactates from Biomass-Derived Sugars. International Journal of Chemical Engineering, 2018, 2018, 1-18.	2.4	8
114	Industrialization of a FeSiBNbCu nanocrystalline alloy with high Bs of 1.39ÂT and outstanding soft magnetic properties. Journal of Materials Science: Materials in Electronics, 2018, 29, 19517-19523.	2.2	11
115	Efficient and green production of biodiesel catalyzed by recyclable biomass-derived magnetic acids. Fuel Processing Technology, 2018, 181, 259-267.	7.2	71
116	Low-temperature and solvent-free production of biomass-derived diesel-range C17 precursor via one-pot cascade acylationâ€“alkylation over Sn4+-montmorillonite. Journal of Industrial and Engineering Chemistry, 2018, 66, 325-332.	5.8	12
117	Porous Zrâ€Bibenzyldiphosphonate Nanohybrid with Extra Hydroxy Species for Enhancive Upgrading of Biomassâ€Based Levulinates. ChemistrySelect, 2018, 3, 4252-4261.	1.5	3
118	Acidâ€“Base Bifunctional Hf Nanohybrids Enable High Selectivity in the Catalytic Conversion of Ethyl Levulinate to Î³-Valerolactone. Catalysts, 2018, 8, 264.	3.5	21
119	Effective production of biodiesel from non-edible oil using facile synthesis of imidazolium salts-based BrÃ¸nsted-Lewis solid acid and co-solvent. Energy Conversion and Management, 2018, 166, 534-544.	9.2	70
120	Phosphotungstic acid heterogenized by assembly with pyridines for efficient catalytic conversion of fructose to methyl levulinate. RSC Advances, 2018, 8, 16585-16592.	3.6	15
121	Magnetically recyclable acidic polymeric ionic liquids decorated with hydrophobic regulators as highly efficient and stable catalysts for biodiesel production. Applied Energy, 2018, 223, 416-429.	10.1	103
122	Rapid and efficient conversion of bio-based sugar to 5-hydroxymethylfurfural using amino-acid derived catalysts. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2018, 40, 2632-2639.	2.3	5
123	Control of selectivity in hydrosilane-promoted heterogeneous palladium-catalysed reduction of furfural and aromatic carboxides. Communications Chemistry, 2018, 1, .	4.5	31
124	Direct conversion of biomass components to the biofuel methyl levulinate catalyzed by acid-base bifunctional zirconia-zeolites. Applied Catalysis B: Environmental, 2017, 200, 182-191.	20.2	124
125	Catalytic conversion of carbohydrates to levulinic acid with mesoporous niobium-containing oxides. Catalysis Communications, 2017, 93, 20-24.	3.3	34
126	Efficient production of biodiesel with promising fuel properties from Koelreuteria integrifoliola oil using a magnetically recyclable acidic ionic liquid. Energy Conversion and Management, 2017, 138, 45-53.	9.2	76

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127	Porous Zirconiumâ€“Furandicarboxylate Microspheres for Efficient Redox Conversion of Biofuranics. ChemSusChem, 2017, 10, 1761-1770.	6.8	81
128	Efficient Production of 5-Hydroxymethylfurfural from Carbohydrates Catalyzed by Mesoporous Alâ€“B Hybrids. Waste and Biomass Valorization, 2017, 8, 1371-1378.	3.4	4
129	Simply Assembly of Acidic Nanospheres for Efficient Production of 5â€Ethoxymethylfurfural from 5â€Hydromethylfurfural and Fructose. Energy Technology, 2017, 5, 2046-2054.	3.8	26
130	Porous Ti/Zr Microspheres for Efficient Transfer Hydrogenation of Biobased Ethyl Levulinate to Î³-Valerolactone. ACS Omega, 2017, 2, 1047-1054.	3.5	34
131	Hydrophobic Pd nanocatalysts for one-pot and high-yield production of liquid furanic biofuels at low temperatures. Applied Catalysis B: Environmental, 2017, 215, 18-27.	20.2	67
132	A Pd-Catalyzed in situ domino process for mild and quantitative production of 2,5-dimethylfuran directly from carbohydrates. Green Chemistry, 2017, 19, 2101-2106.	9.0	61
133	Glucose Isomerization by Enzymes and Chemo-catalysts: Status and Current Advances. ACS Catalysis, 2017, 7, 3010-3029.	11.2	154
134	Orderly Layered Zrâ€Benzylphosphonate Nanohybrids for Efficient Acidâ€“Baseâ€Mediated Bifunctional/Cascade Catalysis. ChemSusChem, 2017, 10, 681-686.	6.8	77
135	Chemoselective Synthesis of Dithioacetals from Bioâ€aldehydes with Zeolites under Ambient and Solventâ€free Conditions. ChemCatChem, 2017, 9, 1097-1104.	3.7	16
136	Highly Recyclable Fluoride for Enhanced Cascade Hydrosilylationâ€“Cyclization of Levulinates to Î³-Valerolactone at Low Temperatures. ACS Sustainable Chemistry and Engineering, 2017, 5, 9640-9644.	6.7	18
137	Magnetically recyclable basic polymeric ionic liquids for efficient transesterification of Firmiana platanifolia L.f. oil into biodiesel. Energy Conversion and Management, 2017, 153, 462-472.	9.2	44
138	Fundamentals of Bifunctional Catalysis for Transforming Biomass-Related Compounds into Chemicals and Biofuels. Biofuels and Biorefineries, 2017, , 3-30.	0.5	3
139	Production of bio-based furfural from xylose over a recyclable niobium phosphate (NbOPO₃) catalyst. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2017, 39, 2072-2077.	2.3	13
140	Editorial (Thematic Issue: Multi-Catalysis for Efficient Biomass Conversions and Organic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 222 Td (T	1.6	0
141	Effects of low temperature stress on the antioxidant system and photosynthetic apparatus of Kappaphycus alvarezii (Rhodophyta, Solieriaceae). Marine Biology Research, 2016, 12, 1064-1077.	0.7	12
142	Efficient valorization of biomass to biofuels with bifunctional solid catalytic materials. Progress in Energy and Combustion Science, 2016, 55, 98-194.	31.2	234
143	Mesoporous polymeric solid acid as efficient catalyst for (trans)esterification of crude Jatropha curcas oil. Fuel Processing Technology, 2016, 150, 50-57.	7.2	63
144	Efficient conversion of furfuryl alcohol to ethyl levulinate with sulfonic acid-functionalized MIL-101(Cr). RSC Advances, 2016, 6, 90232-90238.	3.6	41

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145	Antioxidant responses and photosynthetic behaviors of Kappaphycus alvarezii and Kappaphycus striatum (Rhodophyta, Solieriaceae) during low temperature stress. , 2016, 57, 21.		14
146	Zeolite and zeotype-catalysed transformations of biofuranic compounds. Green Chemistry, 2016, 18, 5701-5735.	9.0	142
147	Direct Catalytic Transformation of Biomass Derivatives into Biofuel Component Î³â€Valerolactone with Magnetic Nickelâ€“Zirconium Nanoparticles. ChemPlusChem, 2016, 81, 135-142.	2.8	52
148	Catalytic transfer hydrogenation of ethyl levulinate into Î³ -valerolactone over mesoporous Zr/B mixed oxides. Journal of Industrial and Engineering Chemistry, 2016, 43, 133-141.	5.8	36
149	Acidâ€“Base Bifunctional Zirconium N-Alkyltriphosphate Nanohybrid for Hydrogen Transfer of Biomass-Derived Carboxides. ACS Catalysis, 2016, 6, 7722-7727.	11.2	158
150	Efficient conversion of glucose to 5-hydroxymethylfurfural using bifunctional partially hydroxylated AlF₃. RSC Advances, 2016, 6, 12782-12787.	3.6	20
151	Direct Conversion of Sugars and Ethyl Levulinate into Î³-Valerolactone with Superparamagnetic Acidâ€“Base Bifunctional ZrFeO_x Nanocatalysts. ACS Sustainable Chemistry and Engineering, 2016, 4, 236-246.	6.7	90
152	Efficient catalytic conversion of carbohydrates into 5-ethoxymethylfurfural over MIL-101-based sulfated porous coordination polymers. Journal of Energy Chemistry, 2016, 25, 523-530.	12.9	58
153	Biodiesel production catalyzed by highly acidic carbonaceous catalysts synthesized via carbonizing lignin in sub- and super-critical ethanol. Applied Catalysis B: Environmental, 2016, 190, 103-114.	20.2	98
154	Cascade catalytic transfer hydrogenationâ€“cyclization of ethyl levulinate to Î³-valerolactone with Alâ€“Zr mixed oxides. Applied Catalysis A: General, 2016, 510, 11-19.	4.3	96
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