

Valorization of Biomass: Deriving More Value from Was

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Ambient-Temperature Carbon–Oxygen Bond Cleavage of an α -Aryloxy Ketone with $Cp_2Ti(BTMSA)$ and Selective Protonolysis of the Resulting Ti–OR Bonds. <i>Organometallics</i> , 2012, 31, 7625-7628.	1.1	15
2	Towards an understanding of the role of clay minerals in crude oil formation, migration and accumulation. <i>Earth-Science Reviews</i> , 2012, 115, 373-386.	4.0	119
3	Membrane processes in biorefinery applications. <i>Journal of Membrane Science</i> , 2013, 444, 285-317.	4.1	198
4	H ₃ PO ₄ /metal halide induces a one-pot solvent-free esterification–halogenation of glycerol and diols. <i>RSC Advances</i> , 2013, 3, 8805.	1.7	4
5	Synthesis of β -valerolactone using a continuous-flow reactor. <i>RSC Advances</i> , 2013, 3, 16283.	1.7	58
6	Toward Functional Polyester Building Blocks from Renewable Glycolaldehyde with Sn Cascade Catalysis. <i>ACS Catalysis</i> , 2013, 3, 1786-1800.	5.5	97
7	Conversion of glucose and cellulose into value-added products in water and ionic liquids. <i>Green Chemistry</i> , 2013, 15, 2619.	4.6	256
8	Conversion of Levulinate into Succinate through Catalytic Oxidative Carbon–Carbon Bond Cleavage with Dioxigen. <i>ChemSusChem</i> , 2013, 6, 2255-2258.	3.6	24
9	Green Carbon Science: Scientific Basis for Integrating Carbon Resource Processing, Utilization, and Recycling. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 9620-9633.	7.2	750
10	Conversion of fructose into 5-hydroxymethylfurfural and alkyl levulinates catalyzed by sulfonic acid-functionalized carbon materials. <i>Green Chemistry</i> , 2013, 15, 2895.	4.6	188
12	Material Resources, Energy, and Nutrient Recovery from Waste: Are Waste Refineries the Solution for the Future?. <i>Environmental Science & Technology</i> , 2013, 47, 130725155216007.	4.6	23
13	Rice husks as a sustainable source of nanostructured silicon for high performance Li-ion battery anodes. <i>Scientific Reports</i> , 2013, 3, 1919.	1.6	409
14	Catalytic Investigation of in Situ Generated Ni Metal Nanoparticles for Tar Conversion during Biomass Pyrolysis. <i>Journal of Physical Chemistry C</i> , 2013, 117, 23812-23831.	1.5	94
15	Efficient dehydration of carbohydrates to 5-hydroxymethylfurfural in ionic liquids catalyzed by tin(IV) phosphonate and zirconium phosphonate. <i>Science China Chemistry</i> , 2013, 56, 1578-1585.	4.2	10
16	Shale Gas Revolution: An Opportunity for the Production of Biobased Chemicals?. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 11980-11987.	7.2	278
17	Die Schiefergasrevolution: eine Chance zur Herstellung von Chemikalien auf Biobasis?. <i>Angewandte Chemie</i> , 2013, 125, 12198-12206.	1.6	40
18	Green chemistry: development trajectory. <i>Russian Chemical Reviews</i> , 2013, 82, 616-623.	2.5	24
19	Efficient conversion of glucose and cellulose to 5-hydroxymethylfurfural in DBU-based ionic liquids. <i>RSC Advances</i> , 2013, 3, 20085.	1.7	22

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21	Simultaneous formation of sorbitol and gluconic acid from cellobiose using carbon-supported ruthenium catalysts. <i>Journal of Energy Chemistry</i> , 2013, 22, 290-295.	7.1	14
22	5-Hydroxymethylfurfural Synthesis from Hexoses Is Autocatalytic. <i>ACS Catalysis</i> , 2013, 3, 760-763.	5.5	90
23	Food waste as a valuable resource for the production of chemicals, materials and fuels. Current situation and global perspective. <i>Energy and Environmental Science</i> , 2013, 6, 426.	15.6	874
24	High-Yielding One-Pot Synthesis of Glucose from Cellulose Using Simple Activated Carbons and Trace Hydrochloric Acid. <i>ACS Catalysis</i> , 2013, 3, 581-587.	5.5	198
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27	Chemical Conversion of Sugars to Lactic Acid by Alkaline Hydrothermal Processes. <i>ChemSusChem</i> , 2013, 6, 989-992.	3.6	107
28	Nanocomposite Catalyst with Palladium Nanoparticles Encapsulated in a Polymeric Acid: A Model for Tandem Environmental Catalysis. <i>ACS Sustainable Chemistry and Engineering</i> , 2013, 1, 381-388.	3.2	16
29	From Hazardous Waste to Valuable Raw Material: Hydrolysis of CCA-treated Wood for the Production of Chemicals. <i>ChemSusChem</i> , 2013, 6, 813-815.	3.6	1
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31	Synthesis and utilisation of sugar compounds derived from lignocellulosic biomass. <i>Green Chemistry</i> , 2013, 15, 1740.	4.6	419
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33	Diesel and Alkane Fuels From Biomass by Organocatalysis and Metal-Acid Tandem Catalysis. <i>ChemSusChem</i> , 2013, 6, 2236-2239.	3.6	89
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37	Next generation biorefineries will solve the food, biofuels, and environmental trilemma in the energy-food-water nexus. <i>Energy Science and Engineering</i> , 2013, 1, 27-41.	1.9	90
38	Lignin: Characterization of a Multifaceted Crop Component. <i>Scientific World Journal</i> , The, 2013, 2013, 1-25.	0.8	122

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42	The synthesis of pyrroles via acceptorless dehydrogenative condensation of secondary alcohols and 1,2-amino alcohols mediated by a robust and reusable catalyst based on nanometer-sized iridium particles. <i>Catalysis Science and Technology</i> , 2014, 4, 4188-4192.	2.1	88
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49	Supported acid-catalyzed flash vacuum thermolysis on the valorisation of labdanum resin. <i>Biomass and Bioenergy</i> , 2014, 71, 363-369.	2.9	3
50	Robust Heterogeneous Nickel Catalysts with Tailored Porosity for the Selective Hydrogenolysis of Aryl Ethers. <i>ChemCatChem</i> , 2014, 6, 91-95.	1.8	84
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52	Strain Design of <i>Ashbya gossypii</i> for Single-Cell Oil Production. <i>Applied and Environmental Microbiology</i> , 2014, 80, 1237-1244.	1.4	29
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70	Catalytic Conversion of Fructose, Glucose, and Sucrose to 5-(Hydroxymethyl)furfural and Levulinic and Formic Acids in <i>γ</i> -Valerolactone As a Green Solvent. <i>ACS Catalysis</i> , 2014, 4, 1470-1477.	5.5	277
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117	Toward stable nickel catalysts for aqueous phase reforming of biomass-derived feedstock under reducing and alkaline conditions. <i>Journal of Catalysis</i> , 2014, 319, 27-35.	3.1	53
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155	From Lignocellulosic Biomass to Lactic&Glycolic&Acid Oligomers: A Gram&Scale Microwave&Assisted Protocol. <i>ChemSusChem</i> , 2015, 8, 1342-1349.	3.6	21
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