

# Catalytic routes for the conversion of biomass into liquid fuels

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Citation Report

#	ARTICLE	IF	CITATIONS
2	From biomass to bio-gasoline by FCC co-processing: effect of feed composition and catalyst structure on product quality. <i>Energy and Environmental Science</i> , 2011, 4, 5068.	15.6	158
3	Understanding and Controlling Reactivity of Unsaturated Oxygenates and Polyols on Metal Catalysts. <i>ACS Catalysis</i> , 2011, 1, 1284-1297.	5.5	101
4	Advances in C=O Bond Transformations in Lignin-Derived Compounds for Biofuels Production. <i>Journal of Physical Chemistry Letters</i> , 2011, 2, 2280-2287.	2.1	107
5	Effect of La on Ni <sup>W</sup> B Amorphous Catalysts in Hydrodeoxygenation of Phenol. <i>Industrial &amp; Engineering Chemistry Research</i> , 2011, 50, 10936-10942.	1.8	68
6	Activation of Carbonyl-Containing Molecules with Solid Lewis Acids in Aqueous Media. <i>ACS Catalysis</i> , 2011, 1, 1566-1580.	5.5	349
7	Catalytic conversion of biomass-derived feedstocks into olefins and aromatics with ZSM-5: the hydrogen to carbon effective ratio. <i>Energy and Environmental Science</i> , 2011, 4, 2297.	15.6	439
8	Catalytic production of levulinic acid from cellulose and other biomass-derived carbohydrates with sulfonated hyperbranched poly(arylene oxindole)s. <i>Energy and Environmental Science</i> , 2011, 4, 3601.	15.6	208
9	Aqueous-phase hydrodeoxygenation of carboxylic acids to alcohols or alkanes over supported Ru catalysts. <i>Journal of Molecular Catalysis A</i> , 2011, 351, 217-227.	4.8	130
10	What is vital (and not vital) to advance economically-competitive biofuels production. <i>Process Biochemistry</i> , 2011, 46, 2091-2110.	1.8	99
11	Hydrolysis of cellulose in SO <sub>3</sub> H-functionalized ionic liquids. <i>Bioresource Technology</i> , 2011, 102, 9000-9006.	4.8	98
13	Beyond Petrochemicals: The Renewable Chemicals Industry. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 10502-10509.	7.2	464
14	Continuous-Flow Processes in Heterogeneously Catalyzed Transformations of Biomass Derivatives into Fuels and Chemicals. <i>Challenges</i> , 2012, 3, 114-132.	0.9	40
15	6 Conversion of cellulose and hemicellulose into platform molecules: chemical routes. , 2012, , 123-140.		5
16	A Heterogeneous Nickel Catalyst for the Hydrogenolysis of Aryl Ethers without Arene Hydrogenation. <i>Journal of the American Chemical Society</i> , 2012, 134, 20226-20229.	6.6	293
17	Catalytic conversion of biomass-derived carbohydrates into fuels and chemicals via furanic aldehydes. <i>RSC Advances</i> , 2012, 2, 11184.	1.7	329
18	Upgrading of Fischer-Tropsch synthesis bio-waxes via catalytic cracking: Effect of acidity, porosity and metal modification of zeolitic and mesoporous aluminosilicate catalysts. <i>Catalysis Today</i> , 2012, 196, 42-55.	2.2	48
19	Mechanistic Insights into the Kinetic and Regiochemical Control of the Thiol-Promoted Catalytic Synthesis of Diphenolic Acid. <i>ACS Catalysis</i> , 2012, 2, 2700-2704.	5.5	38
20	In Situ X-ray Absorption Fine Structure Studies on the Effect of pH on Pt Electronic Density during Aqueous Phase Reforming of Glycerol. <i>ACS Catalysis</i> , 2012, 2, 2387-2394.	5.5	47

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22	Selective deoxygenation of stearic acid via an anhydride pathway. <i>RSC Advances</i> , 2012, 2, 9387.	1.7	35
23	Sn-Beta catalysed conversion of hemicellulosic sugars. <i>Green Chemistry</i> , 2012, 14, 702.	4.6	216
24	Etheric C–O Bond Hydrogenolysis Using a Tandem Lanthanide Triflate/Supported Palladium Nanoparticle Catalyst System. <i>Journal of the American Chemical Society</i> , 2012, 134, 14682-14685.	6.6	90
25	From biodiesel and bioethanol to liquid hydrocarbonfuels: new hydrotreating and advanced microbial technologies. <i>Energy and Environmental Science</i> , 2012, 5, 5638-5652.	15.6	88
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32	Acid-catalyzed conversion of furfuryl alcohol to ethyl levulinate in liquid ethanol. <i>Energy and Environmental Science</i> , 2012, 5, 8990.	15.6	146
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41	Upgrading of Bio-oil over Bifunctional Catalysts in Supercritical Monoalcohols. <i>Energy &amp; Fuels</i> , 2012, 26, 2990-2995.	2.5	56
42	Liquid hydrocarbonfuels from cellulosic feedstocks via thermal deoxygenation of levulinic acid and formic acid salt mixtures. <i>Green Chemistry</i> , 2012, 14, 85-89.	4.6	51
43	Efficient conversion of microcrystalline cellulose to 1,2-alkanediols over supported Ni catalysts. <i>Green Chemistry</i> , 2012, 14, 758.	4.6	120
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61	Electrochemistry for biofuel generation: production of furans by electrocatalytic hydrogenation of furfurals. <i>Energy and Environmental Science</i> , 2013, 6, 2925.	15.6	210
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152	Formation of C-C bonds for the production of bio-alkanes under mild conditions. <i>Green Chemistry</i> , 2014, 16, 3589-3595.	4.6	68
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155	Additives initiate selective production of chemicals from biomass pyrolysis. <i>Bioresource Technology</i> , 2014, 156, 376-379.	4.8	7
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