

Biomass oxidation to formic acid in aqueous media using boosting FA selectivity by in-situ extraction

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Efficient Degradation of Cellulose in Its Homogeneously Aqueous Solution over 3D Metal-Organic Framework/Graphene Hydrogel Catalyst. Chinese Journal of Chemical Physics, 2016, 29, 742-748.	0.6	10
2	In Situ Carbonic Acid from CO ₂ : A Green Acid for Highly Effective Conversion of Cellulose in the Presence of Lewis acid. ACS Sustainable Chemistry and Engineering, 2016, 4, 4146-4155.	3.2	35
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6	Iridium-Catalyzed Continuous Hydrogen Generation from Formic Acid and Its Subsequent Utilization in a Fuel Cell: Toward a Carbon Neutral Chemical Energy Storage. ACS Catalysis, 2016, 6, 7475-7484.	5.5	75
7	Zeolite and zeotype-catalysed transformations of biofuranic compounds. Green Chemistry, 2016, 18, 5701-5735.	4.6	142
8	Formic Acid-Based Fischer-Tropsch Synthesis for Green Fuel Production from Wet Waste Biomass and Renewable Excess Energy. ACS Sustainable Chemistry and Engineering, 2016, 4, 5078-5086.	3.2	51
9	One-Pot Conversion of Carbohydrates into Furan Derivatives via Furfural and 5-Hydroxymethylfurfural as Intermediates. ChemSusChem, 2016, 9, 2015-2036.	3.6	146
10	One-step Synthesizable Lindqvist-type polyoxometalates as Promising New Catalysts for Selective Conversion of Glucose as a Model Substrate for Lignocellulosic Biomass to Formic Acid. ChemistrySelect, 2016, 1, 2889-2894.	0.7	18
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14	Deep eutectic solvents' ability to solubilize lignin, cellulose, and hemicellulose; thermal stability; and density. Bioresource Technology, 2017, 238, 684-689.	4.8	258
15	One-Pot Reductive Amination of carbonyl Compounds with Nitro Compounds by Transfer Hydrogenation over Co ₂ N ₄ as catalyst. ChemSusChem, 2017, 10, 1892-1897.	3.6	68
16	Hetero-metallic, functionalizable polyoxomolybdate clusters via a top-down synthetic method. Chemical Communications, 2017, 53, 10660-10663.	2.2	5
17	Theoretical Investigation on Nickel-Catalyzed Hydrocarboxylation of Alkynes Employing Formic Acid. Organometallics, 2017, 36, 2818-2825.	1.1	24
18	Detailed Kinetic Investigations on the Selective Oxidation of Biomass to Formic Acid (OxFA Process) Using Model Substrates and Real Biomass. ACS Sustainable Chemistry and Engineering, 2017, 5, 7383-7392.	3.2	41

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20	Hydrogen Storage in Formic Acid: A Comparison of Process Options. Energy & Fuels, 2017, 31, 12603-12611.	2.5	94
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38	Effect of Tetrahydrofuran on the Solubilization and Depolymerization of Cellulose in a Biphasic System. <i>ChemSusChem</i> , 2018, 11, 397-405.	3.6	36
40	Continuous <i>in Situ</i> Extraction toward Multiphase Complex Systems Based on Superwetable Membrane with Micro-/Nanostructures. <i>ACS Nano</i> , 2018, 12, 10000-10007.	7.3	33
41	Photoreforming of Lignocellulose into H ₂ Using Nanoengineered Carbon Nitride under Benign Conditions. <i>Journal of the American Chemical Society</i> , 2018, 140, 11604-11607.	6.6	148
42	Recent Advances in Thermo-, Photo-, and Electrocatalytic Glycerol Oxidation. <i>ACS Catalysis</i> , 2018, 8, 6301-6333.	5.5	305
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