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Catalytic depolymerisation of suberin rich biomass with precious metal catalysts

DOI: 10.1039/c8gc00605a
Green Chemistry, 2018, 20, 2702-2705.

Source: <https://exaly.com/paper-pdf/69274967/citation-report.pdf>

Version: 2024-04-28

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#	Paper	IF	Citations
15	Reductive catalytic fractionation of black locust bark. <i>Green Chemistry</i> , 2019 , 21, 5841-5851	10	26
14	One-pot transformation of lignocellulosic biomass into crude bio-oil with metal chlorides via hydrothermal and supercritical ethanol processing. <i>Bioresource Technology</i> , 2019 , 288, 121500	11	15
13	Reusing, recycling and up-cycling of biomass: A review of practical and kinetic modelling approaches. <i>Fuel Processing Technology</i> , 2019 , 192, 179-202	7.2	38
12	Ammonia-free synthesis of Mo/CoMgAl catalysts with excellent activities in water-gas shift reaction. <i>Applied Catalysis A: General</i> , 2019 , 575, 58-64	5.1	7
11	Reductive catalytic fractionation: state of the art of the lignin-first biorefinery. <i>Current Opinion in Biotechnology</i> , 2019 , 56, 193-201	11.4	153
10	Development of Lignin-First Approaches for the Valorization of Lignocellulosic Biomass. <i>Molecules</i> , 2020 , 25,	4.8	44
9	The Roles of HO/Tetrahydrofuran System in Lignocellulose Valorization. <i>Frontiers in Chemistry</i> , 2020 , 8, 70	5	9
8	Reductive Catalytic Fractionation: From Waste Wood to Functional Phenolic Oligomers for Attractive, Value-Added Applications. <i>ACS Symposium Series</i> , 2021 , 37-60	0.4	1
7	Life cycle thinking case study for catalytic wet air oxidation of lignin in bamboo biomass for vanillin production. <i>Green Chemistry</i> , 2021 , 23, 1847-1860	10	4
6	Lignin extraction and valorization using heterogeneous transition metal catalysts. <i>Advances in Inorganic Chemistry</i> , 2021 , 77, 137-174	2.1	3
5	Importance of suberin biopolymer in plant function, contributions to soil organic carbon and in the production of bio-derived energy and materials. <i>Biotechnology for Biofuels</i> , 2021 , 14, 75	7.8	4
4	Improving dimensional stability of <i>Populus cathayana</i> wood by suberin monomers with heat treatment. <i>IForest</i> , 2021 , 14, 313-319	1.3	0
3	Deep eutectic solvents regulation synthesis of multi-metal oxalate for electrocatalytic oxygen evolution reaction and supercapacitor applications. <i>Electrochimica Acta</i> , 2022 , 140879	6.7	0
2	Bismuth-Decorated Beta Zeolites Catalysts for Highly Selective Catalytic Oxidation of Cellulose to Biomass-Derived Glycolic Acid. 2022 , 19, 16298		0
1	Heterogeneous catalytic conversion of solid anaerobic digestate waste to biofuels and value-added chemicals.		0