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Levulinic Acid from Biomass: Synthesis and Applications

DOI: 10.1007/978-981-10-4172-3_5

Biofuels and Biorefineries, 2017, , 143-169.

Source: <https://exaly.com/paper-pdf/66419952/citation-report.pdf>

Version: 2024-04-11

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#	Paper	IF	Citations
18	Sustainable Utilization of Biomass Refinery Wastes for Accessing Activated Carbons and Supercapacitor Electrode Materials. <i>ChemSusChem</i> , 2018 , 11, 3599-3608	8.3	55
17	Production of 1,3-butadiene and ϵ -caprolactam from C6 sugars: Techno-economic analysis. <i>Biofuels, Bioproducts and Biorefining</i> , 2018 , 12, 600-623	5.3	6
16	Covalent immobilization of a halophilic, alkalithermostable lipase LipR2 on Florisil nanoparticles for production of alkyl levulinates. <i>Archives of Biochemistry and Biophysics</i> , 2019 , 667, 22-29	4.1	11
15	Direct Alcoholysis of Carbohydrate Precursors and Real Cellulosic Biomasses to Alkyl Levulinates: A Critical Review. <i>Catalysts</i> , 2020 , 10, 1221	4	8
14	Reductive Amination of Biobased Levulinic Acid to Unnatural Chiral α -Amino Acid Using an Engineered Amine Dehydrogenase. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 17054-17061	8.3	7
13	Clean Production of Levulinic Acid from Fructose and Glucose in Salt Water by Heterogeneous Catalytic Dehydration. <i>ACS Omega</i> , 2020 , 5, 14275-14282	3.9	23
12	One-Pot Alcoholysis of the Lignocellulosic Eucalyptus nitens Biomass to n-Butyl Levulinate, a Valuable Additive for Diesel Motor Fuel. <i>Catalysts</i> , 2020 , 10, 509	4	15
11	Production and Polymerization of Biobased Acrylates and Analogs. <i>Macromolecular Rapid Communications</i> , 2021 , 42, e2000530	4.8	18
10	Platform molecule from sustainable raw materials; case study succinic acid. <i>Brazilian Journal of Chemical Engineering</i> , 2021 , 38, 215	1.7	2
9	A review on biomass-derived levulinic acid for application in drug synthesis.. <i>Critical Reviews in Biotechnology</i> , 2022 , 42, 220-253	9.4	3
8	Valorization of biomass-derived furfurals: reactivity patterns, synthetic strategies, and applications. <i>Biomass Conversion and Biorefinery</i> , 1	2.3	7
7	Contribution to the production and use of biomass-derived solvents α - review. <i>Acta Innovations</i> , 2020 , 29-56	1.1	9
6	Feasibility of the Conversion of Sugarcane Molasses to Levulinic Acid: Reaction Optimization and Techno-Economic Analysis. <i>Industrial & Engineering Chemistry Research</i> ,	3.9	0
5	A Sustainable Approach for Synthesizing (γ)-4-Aminopentanoic Acid From Levulinic Acid Catalyzed by Structure-Guided Tailored Glutamate Dehydrogenase.. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021 , 9, 770302	5.8	1
4	Catalytic conversion of glucose and its biopolymers into renewable compounds by inducing C-C bond scission and formation. <i>Biomass Conversion and Biorefinery</i> ,	2.3	
3	Waste Biomass Selective and Sustainable Photooxidation to High-Added-Value Products: A Review. 2022 , 12, 1091		0
2	The potency of HPLC-DAD and LC-MS/MS combined with ion chromatography for detection/purification of levulinic acid and bio-compounds from acid hydrolysis of OPEFB. 2022 , 12, 28638-28646		0

- 1 Thermochemical conversion of wood in levulinic acid and application in the preparation of wood coatings.

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