

# Chemicals from lignin: an interplay of lignocellulose fra upgrading

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Branching-First: Synthesizing C <sup>α</sup> -C Skeletal Branched Biobased Chemicals from Sugars. ACS Sustainable Chemistry and Engineering, 2018, 6, 7940-7950.	3.2	5
2	Selective Fragmentation of Biorefinery Corncob Lignin into <i>p</i> -Hydroxycinnamic Esters with a Supported Zinc Molybdate Catalyst. ChemSusChem, 2018, 11, 2114-2123.	3.6	73
3	Aerosol processing: a wind of innovation in the field of advanced heterogeneous catalysts. Chemical Society Reviews, 2018, 47, 4112-4155.	18.7	117
4	Efficient reductive depolymerization of hardwood and softwood lignins with Brookhart's iridium(III) catalyst and hydrosilanes. Green Chemistry, 2018, 20, 1981-1986.	4.6	32
5	Chirality, Rigidity, and Conjugation: A First-Principles Study of the Key Molecular Aspects of Lignin Depolymerization on Ni-Based Catalysts. ACS Catalysis, 2018, 8, 4230-4240.	5.5	24
6	Shape selectivity vapor-phase conversion of lignin-derived 4-ethylphenol to phenol and ethylene over acidic aluminosilicates: Impact of acid properties and pore constraint. Applied Catalysis B: Environmental, 2018, 234, 117-129.	10.8	75
7	A Convergent Approach for a Deep Converting Lignin-First Biorefinery Rendering High-Energy-Density Drop-in Fuels. Joule, 2018, 2, 1118-1133.	11.7	149
8	Valorization of <i>Quercus suber</i> Bark toward Hydrocarbon Bio-Oil and 4-Ethylguaiacol. ACS Sustainable Chemistry and Engineering, 2018, 6, 5737-5742.	3.2	25
9	Sustainable Routes for the Synthesis of Renewable Heteroatom-Containing Chemicals. ACS Sustainable Chemistry and Engineering, 2018, 6, 5694-5707.	3.2	140
10	Electrically-Conductive Sub-Micron Carbon Particles from Lignin: Elucidation of Nanostructure and Use as Filler in Cellulose Nanopapers. Nanomaterials, 2018, 8, 1055.	1.9	7
11	Green Preparation of Bioplastics Based on Degradation and Chemical Modification of Lignin Residue. Journal of Wood Chemistry and Technology, 2018, 38, 460-478.	0.9	17
12	Comparison of two multifunctional catalysts [M/Nb <sub>2</sub> O <sub>5</sub> (M = Pd, Pt)] for one-pot hydrodeoxygenation of lignin. Catalysis Science and Technology, 2018, 8, 6129-6136.	2.1	26
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18	High-Efficient and Recyclable Magnetic Separable Catalyst for Catalytic Hydrogenolysis of β-O-4 Linkage in Lignin. Polymers, 2018, 10, 1077.	2.0	6

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22	Relationship of thermal degradation behavior and chemical structure of lignin isolated from palm kernel shell under different process severities. <i>Fuel Processing Technology</i> , 2018, 181, 142-156.	3.7	83
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28	Potential Lignin-Derived Alternatives to Bisphenol A in Diamine-Hardened Epoxy Resins. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 14812-14819.	3.2	67
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39	The path forward for lignocellulose biorefineries: Bottlenecks, solutions, and perspective on commercialization. Bioresource Technology, 2018, 264, 370-381.	4.8	420
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1198	Tailored one-pot lignocellulose fractionation to maximize biorefinery toward controllable producing lignin nanoparticles and facilitating enzymatic hydrolysis. <i>Chemical Engineering Journal</i> , 2022, 450, 138315.	6.6	33
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