

CITATION REPORT

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Factors affecting lignin solubility

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#	Paper	IF	Citations
55	Chapter 4:Solvents and Solvent Effects in Biomass Conversion. <i>RSC Energy and Environment Series</i> , 2014 , 74-98	0.6	7
54	Evaluating effects of benzene-ethanol extraction on molecular weight of lignin isolated from pretreated bamboo substrate. <i>Wood Science and Technology</i> , 2015 , 49, 945-955	2.5	6
53	The molecular properties and carbohydrate content of lignins precipitated from black liquor. <i>Holzforschung</i> , 2015 , 69, 143-152	2	15
52	Chemical structure and physicochemical properties of oxidized hydrolysis lignin. <i>Russian Journal of Applied Chemistry</i> , 2015 , 88, 1295-1303	0.8	6
51	Electrospinning of aqueous lignin/poly(ethylene oxide) complexes. <i>Journal of Applied Polymer Science</i> , 2015 , 132,	2.9	49
50	Effect of process variables on the performance of electrochemical acidification of Kraft black liquor by electrodialysis with bipolar membrane. <i>Chemical Engineering Journal</i> , 2016 , 304, 977-985	14.7	5
49	Study of Structure of Industrial Acid Hydrolysis Lignin, Oxidized in the H ₂ O ₂ -H ₂ SO ₄ System. <i>Journal of Wood Chemistry and Technology</i> , 2016 , 36, 259-269	2	15
48	Characterization of structural and physical properties of dichloromethane- and methanol-fractionated Kraft lignin and its adsorption capacity of Cu (II) and Ni (II) ions. <i>Desalination and Water Treatment</i> , 2016 , 57, 10655-10663		10
47	Contents of EO-4 and EO-4 Bonds in Native Lignin and Isolated Lignin Preparations. <i>Journal of Wood Chemistry and Technology</i> , 2017 , 37, 294-306	2	11
46	Predicting lignin depolymerization yields from quantifiable properties using fractionated biorefinery lignins. <i>Green Chemistry</i> , 2017 , 19, 5131-5143	10	51
45	Prospecting fungal ligninases using corncob lignocellulosic fractions. <i>Cellulose</i> , 2017 , 24, 4355-4365	5.5	16
44	Metal-Free Aqueous Flow Battery with Novel Ultrafiltered Lignin as Electrolyte. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 5394-5400	8.3	38
43	Quantification and Variability Analysis of Lignin Optical Properties for Colour-Dependent Industrial Applications. <i>Molecules</i> , 2018 , 23,	4.8	29
42	The current and emerging sources of technical lignins and their applications. <i>Biofuels, Bioproducts and Biorefining</i> , 2018 , 1-32	5.3	66
41	Microalgae cultivation in palm oil mill effluent (POME) for lipid production and pollutants removal. <i>Energy Conversion and Management</i> , 2018 , 174, 430-438	10.6	49
40	Lignin and Its Properties. <i>Sustainable Chemistry Series</i> , 2018 , 1-28	0.4	1
39	Understanding the Role of Choline Chloride in Deep Eutectic Solvents Used for Biomass Delignification. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 16348-16357	3.9	47

38	Integration of renewable deep eutectic solvents with engineered biomass to achieve a closed-loop biorefinery. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 13816-13824	11.5	47
37	Degradation profile of nixtamalized maize pericarp by the action of the microbial consortium PM-06. <i>AMB Express</i> , 2019 , 9, 85	4.1	4
36	Graphene based ZnO nanoparticles to depolymerize lignin-rich residues via UV/iodide process. <i>Environment International</i> , 2019 , 125, 172-183	12.9	12
35	Sulfonation of Phenolated Kraft Lignin to Produce Water Soluble Products. <i>Journal of Wood Chemistry and Technology</i> , 2019 , 39, 225-241	2	21
34	The Self-Assembly of Lignin and Its Application in Nanoparticle Synthesis: A Short Review. <i>Nanomaterials</i> , 2019 , 9,	5.4	81
33	Structure, chemical reactivity and solubility of lignin: a fresh look. <i>Wood Science and Technology</i> , 2019 , 53, 7-47	2.5	35
32	Oxalate formation during ClO ₂ bleaching of bamboo kraft pulp. <i>Nordic Pulp and Paper Research Journal</i> , 2020 , 35, 18-24	1.1	
31	Electrocatalytic hydrogenation and depolymerization pathways for lignin valorization: toward mild synthesis of chemicals and fuels from biomass. <i>Green Chemistry</i> , 2020 , 22, 7233-7264	10	22
30	A review on production of lignin-based Bcculants: Sustainable feedstock and low carbon footprint applications. <i>Renewable and Sustainable Energy Reviews</i> , 2020 , 134, 110384	16.2	19
29	Chemical and thermochemical methods on lignocellulosic biorefinery. 2020 , 101-132		2
28	Understanding the Effect of Precipitation Process Variables on Hardwood Lignin Characteristics and Recovery from Black Liquor. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 13997-14005	8.3	10
27	Preparation and Characterization of a Water-Soluble Kraft Lignin. <i>Advanced Sustainable Systems</i> , 2020 , 4, 2000052	5.9	6
26	Lignin-fatty acid hybrid nanocapsules for scalable thermal energy storage in phase-change materials. <i>Chemical Engineering Journal</i> , 2020 , 393, 124711	14.7	33
25	Biopolymer based gate dielectrics for high performance organic thin film transistors. 2020 ,		1
24	Combining Cost-Efficient Cellulose and Short-Chain Carboxylic Acid Production: The Polyoxometalate (POM)-Ionosolv Concept. <i>ChemPlusChem</i> , 2020 , 85, 373-386	2.8	2
23	The tree fractionation: the extraction of natural polyphenols. 2021 , 33-84		1
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19	Bioethanol Production and Alkali Pulp Processes as Sources of Anionic Lignin Surfactants. <i>Polymers</i> , 2021 , 13,	4.5	
18	Capitalizing on lignin and tannin value: their chemical reactivity and their potential. 2021 , 183-258		
17	Characterization of Klason lignin samples isolated from beech and aspen using microbore column size-exclusion chromatography. <i>Journal of Separation Science</i> , 2018 , 41, 3195-3203	3.4	2
16	Photoreforming of Lignocellulosic Biomass into Hydrogen under Sunlight in the Presence of Thermally Radiative CdS/SiC Composite Photocatalyst. <i>ACS Applied Energy Materials</i> , 2021 , 4, 1059-1062	6.1	6
15	Perspective on Technical Lignin Fractionation. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 8086-8101	4.1	64
14	Lignin for Bioeconomy: The Present and Future Role of Technical Lignin. <i>International Journal of Molecular Sciences</i> , 2020 , 22,	6.3	19
13	Methacrylated alkali lignin grafted P(Nipam-Co-AAc) copolymeric hydrogels: Tuning the mechanical and stimuli-responsive properties. <i>International Journal of Biological Macromolecules</i> , 2021 , 192, 180-196	7.9	2
12	Confirmation of Pore Formation Mechanisms in Biochars and Activated Carbons by Dual Isotherm Analysis. <i>SSRN Electronic Journal</i> ,	1	
11	Engineering Lignin-Derived Carbon/Silicon Nanocomposite Electrodes: Insight into the Copyrolysis Mechanism and Process/Structure/Property/Performance Relationships. <i>ACS Sustainable Chemistry and Engineering</i> ,	8.3	0
10	Influence of Temperature and Lignin Concentration on Formation of Colloidal Lignin Particles in Solvent-Shifting Precipitation. <i>Sustainability</i> , 2022 , 14, 1219	3.6	1
9	Confirmation of pore formation mechanisms in biochars and activated carbons by dual isotherm analysis. <i>Materials Advances</i> ,	3.3	1
8	Organic/Inorganic calcium lignosulfonate compounds for soil acidity amelioration. <i>Environmental Science and Pollution Research</i> ,	5.1	0
7	Functionalisation of organosolv lignin by enzymatic demethylation for bioadhesive formulation. <i>Industrial Crops and Products</i> , 2022 , 186, 115253	5.9	2
6	Alkaline hydrolysis for yield of glucose and kraft lignin from de-oiled <i>Jatropha curcas</i> waste: multiresponse optimization using response surface methodology.		
5	Ultrasound enhanced solubilization of forest biorefinery hydrolysis lignin in mild alkaline conditions. 2023 , 93, 106288		0
4	Development and Optimization of Phytosome for Enhancement of Therapeutic Potential of Epiyangambin in <i>Tinospora cordifolia</i> Extract Identified by GC/MS and Docking Analysis. 097312962311571		0
3	High Temperature Lignin Separation for Improved Yields in Ethanol Organosolv Pre-Treatment. 2023 , 15, 3006		0

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Generation of Sulfonated Lignin-Starch Polymer and Its Use As a Flocculant. **2023**, 24, 1400-1416

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Wood-based 3D printing: potential and limitation to 3D print building elements with cellulose & lignin.

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