

Recent updates on different methods of pretreatment o review

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Binding behaviour of a 12-mer peptide and its tandem dimer to gymnospermae and angiospermae lignins. RSC Advances, 2017, 7, 31338-31341.	1.7	2
2	Development of a steam or microwave-assisted sequential salt-alkali pretreatment for lignocellulosic waste: Effect on delignification and enzymatic hydrolysis. Energy Conversion and Management, 2017, 148, 801-808.	4.4	68
3	Gluconic Acid Production from Potato Waste by <i>Gluconobacter oxidans</i> Using Sequential Hydrolysis and Fermentation. ACS Sustainable Chemistry and Engineering, 2017, 5, 6116-6123.	3.2	35
4	Recent advances in second generation bioethanol production: An insight to pretreatment, saccharification and fermentation processes. Renewable and Sustainable Energy Reviews, 2017, 80, 330-340.	8.2	327
5	Comparative evaluation of free and immobilized cellulase for enzymatic hydrolysis of lignocellulosic biomass for sustainable bioethanol production. Cellulose, 2017, 24, 5529-5540.	2.4	87
6	YKL071W from <i>Saccharomyces cerevisiae</i> encodes a novel aldehyde reductase for detoxification of glycolaldehyde and furfural derived from lignocellulose. Applied Microbiology and Biotechnology, 2017, 101, 8405-8418.	1.7	10
7	Influence of ligand substitution on molybdenum catalysts with tridentate Schiff base ligands for the organic solvent-free oxidation of limonene using aqueous TBHP as oxidant. Molecular Catalysis, 2017, 443, 52-59.	1.0	27
8	Effect of Ionic Liquid Pretreatment on the Porosity of Pine: Insights from Small-Angle Neutron Scattering, Nitrogen Adsorption Analysis, and X-ray Diffraction. Energy & Fuels, 2017, 31, 10874-10879.	2.5	6
9	Beechwood carbohydrates for enzymatic synthesis of sustainable glycolipids. Bioresources and Bioprocessing, 2017, 4, 25.	2.0	34
10	Current status and strategies for second generation biofuel production using microbial systems. Energy Conversion and Management, 2017, 148, 1142-1156.	4.4	213
11	Catalytic Cascade Transformations of Biomass into Polyols. Biofuels and Biorefineries, 2017, , 187-219.	0.5	1
12	Purification and molecular characterization of chitinases from soil actinomycetes. African Journal of Microbiology Research, 2017, 11, 1086-1102.	0.4	10
13	Assessment of Natural Deep Eutectic Solvent Pretreatment on Sugar Production from Lignocellulosic Biomass. MATEC Web of Conferences, 2018, 152, 01014.	0.1	11
14	Materials chemistry and the futurist eco-friendly applications of nanocellulose: Status and prospect. Journal of Saudi Chemical Society, 2018, 22, 949-978.	2.4	243
15	Lignin in storage and renewable energy applications: A review. Journal of Energy Chemistry, 2018, 27, 1422-1438.	7.1	178
16	An optimal blend of single autodisplayed cellulases for cellulose saccharification—A proof of concept. Journal of Chemical Technology and Biotechnology, 2018, 93, 2719-2728.	1.6	3
17	Removal of phenolic compounds through overliming for enhanced saccharification of wheat straw. Journal of Chemical Technology and Biotechnology, 2018, 93, 3011-3017.	1.6	9
18	Emission factors of atmospheric and climatic pollutants from crop residues burning. Journal of the Air and Waste Management Association, 2018, 68, 849-865.	0.9	36

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19	Third-Generation Biofuel: Algal Biofuels as a Sustainable Energy Source. , 2018, , 307-325.		4
20	Endocellulase Production by <i>Cotylidia pannosa</i> and its Application in Saccharification of Wheat Bran to Bioethanol. <i>Bioenergy Research</i> , 2018, 11, 219-227.	2.2	10
21	Maximization of hydrogen fermentative process from delignified water hyacinth using sodium chlorite. <i>Energy Conversion and Management</i> , 2018, 157, 257-265.	4.4	39
22	Biochemical characterization, low-resolution SAXS structure and an enzymatic cleavage pattern of BICel48 from <i>Bacillus licheniformis</i> . <i>International Journal of Biological Macromolecules</i> , 2018, 111, 302-310.	3.6	4
23	Current progress in production of biopolymeric materials based on cellulose, cellulose nanofibers, and cellulose derivatives. <i>RSC Advances</i> , 2018, 8, 825-842.	1.7	284
24	Emerging technologies for the pretreatment of lignocellulosic biomass. <i>Bioresource Technology</i> , 2018, 262, 310-318.	4.8	568
25	Characterisation of the diversity and physiology of cellobiose-fermenting yeasts isolated from rotting wood in Brazilian ecosystems. <i>Fungal Biology</i> , 2018, 122, 668-676.	1.1	17
26	Technical assessment of natural deep eutectic solvent (NADES) mediated biorefinery process: A case study. <i>Journal of Molecular Liquids</i> , 2018, 260, 313-322.	2.3	38
27	Mechanochemical Treatment Facilitates Two-Step Oxidative Depolymerization of Kraft Lignin. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 5990-5998.	3.2	47
28	Xylan supplement improves 1,3-propanediol fermentation by <i>Clostridium butyricum</i> . <i>Journal of Bioscience and Bioengineering</i> , 2018, 125, 662-668.	1.1	6
29	Influence of pretreatment conditions on lignocellulosic fractions and methane production from grape pomace. <i>Bioresource Technology</i> , 2018, 247, 881-889.	4.8	46
30	The Pretreatment Technologies for Deconstruction of Lignocellulosic Biomass. <i>Energy, Environment, and Sustainability</i> , 2018, , 395-421.	0.6	9
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33	Sugar Versatilityâ€”Chemical and Bioprocessing of Many Phytobiomass Polysaccharides Using a Milder Hydrolytic Catalyst: Diluted Thermopressurized Phosphoric Acid. , 0, , .		0
34	Wet Corn Stover Storage: Correlating Fiber Reactivity With Storage Acids Over a Wide Moisture Range. <i>Frontiers in Energy Research</i> , 2018, 6, .	1.2	4
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38	Green production of bio-ethanol from cellulosic fiber waste and its separation using polyacrylonitrile-co-poly methyl acrylate membrane. <i>Cellulose</i> , 2018, 25, 6621-6644.	2.4	15
39	Oxidoreductases and Reactive Oxygen Species in Conversion of Lignocellulosic Biomass. <i>Microbiology and Molecular Biology Reviews</i> , 2018, 82, .	2.9	204
40	Role of Natural Deep Eutectic Solvents (NADES) in the Pretreatment of Lignocellulosic Biomass for an Integrated Biorefinery and Bioprocessing Concept. , 2018, , 73-109.		3
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46	Influence of the delignification process on the properties of panels made with Guadua fibers and plant resin. <i>Industrial Crops and Products</i> , 2018, 125, 33-40.	2.5	10
47	Physico-chemical characterization and evaluation of neat and aqueous mixtures of choline chloride + lactic acid for lignocellulosic biomass fractionation, enzymatic hydrolysis and fermentation. <i>Journal of Molecular Liquids</i> , 2018, 271, 540-549.	2.3	34
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49	Fast pyrolysis of hot-water-extracted and soda-AQ-delignified okra (<i>Abelmoschus esculentus</i>) and miscanthus (<i>miscanthus x giganteus</i>) stalks by Py-GC/MS. <i>Biomass and Bioenergy</i> , 2018, 118, 172-179.	2.9	4
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51	Technological Aspects of Lignocellulose Conversion into Biofuels: Key Challenges and Practical Solutions. , 2018, , 117-154.		1
52	Pretreatment Process and Its Synergistic Effects on Enzymatic Digestion of Lignocellulosic Material. , 2018, , 1-25.		4
53	Comparative material balances and preliminary technical analysis of the pilot scale sugarcane bagasse alkaline pretreatment to 2G ethanol production. <i>Industrial Crops and Products</i> , 2018, 120, 187-197.	2.5	16
54	Chemical Transformations of Poplar Lignin during Cosolvent Enhanced Lignocellulosic Fractionation Process. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 8711-8718.	3.2	99
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81	Development of an environmental-benign process for efficient pretreatment and saccharification of Saccharum biomasses for bioethanol production. Renewable Energy, 2019, 130, 12-24.	4.3	57
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96	Fractionation of green coconut fiber using sequential hydrothermal/alkaline pretreatments and Amberlite XAD-7HP resin. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103474.	3.3	20
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113	Energy harnessing from banana plant wastes: A review. <i>Bioresource Technology Reports</i> , 2019, 7, 100212.	1.5	18
114	Biomethane production through anaerobic co-digestion with Maize Cob Waste based on a biorefinery concept: A review. <i>Journal of Environmental Management</i> , 2019, 249, 109351.	3.8	22
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145	Anaerobic digestion of hydrothermally-pretreated lignocellulosic biomass: Influence of pretreatment temperatures, inhibitors and soluble organics on methane yield. <i>Bioresource Technology</i> , 2019, 284, 128-138.	4.8	113
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