

Pretreatment of lignocellulosic wastes for biofuel production

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Pretreatment of Lignocellulosic Materials as Substrates for Fermentation Processes. <i>Molecules</i> , 2018, 23, 2937.	1.7	345
2	Recent Trends in the Pretreatment of Lignocellulosic Biomass for Value-Added Products. <i>Frontiers in Energy Research</i> , 2018, 6, .	1.2	622
3	Biobutanol production from coffee silverskin. <i>Microbial Cell Factories</i> , 2018, 17, 154.	1.9	38
4	Comparing the Biomass Yield and Biogas Potential of <i>Phragmites australis</i> with <i>Miscanthus x giganteus</i> and <i>Panicum virgatum</i> Grown in Canada. <i>Energies</i> , 2018, 11, 2198.	1.6	18
5	Effective Concentration of Ionic Liquids for Enhanced Saccharification of Cellulose. <i>ChemEngineering</i> , 2018, 2, 47.	1.0	5
6	Production, purification and characterization of an acid/alkali and thermo tolerant cellulase from <i>Schizophyllum commune</i> NAIMCC-F-03379 and its application in hydrolysis of lignocellulosic wastes. <i>AMB Express</i> , 2018, 8, 173.	1.4	66
7	Valorization of food waste based on its composition through the concept of biorefinery. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2018, 14, 67-79.	3.2	91
8	Food waste enhanced anaerobic digestion of biologically pretreated yard waste: Analysis of cellulose crystallinity and microbial communities. <i>Waste Management</i> , 2018, 79, 109-119.	3.7	41
9	Alkaline organosolv pretreatment of corn stover for enhancing the enzymatic digestibility. <i>Bioresource Technology</i> , 2018, 265, 464-470.	4.8	86
10	Optimizing key factors for biomethane production from KOH-pretreated switchgrass by response surface methodology. <i>Environmental Science and Pollution Research</i> , 2019, 26, 25084-25091.	2.7	8
11	Selective deconstruction of hemicellulose and lignin with producing derivatives by sequential pretreatment process for biorefining concept. <i>Bioresource Technology</i> , 2019, 291, 121913.	4.8	35
12	Recent trends in hyperthermophilic enzymes production and future perspectives for biofuel industry: A critical review. <i>Journal of Cleaner Production</i> , 2019, 238, 117925.	4.6	64
13	Methanolysis Fractionation and Catalytic Conversion of Poplar Wood toward Methyl Levulinate, Phenolics, and Glucose. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 9840-9850.	2.4	7
14	Choosing Physical, Physicochemical and Chemical Methods of Pre-Treating Lignocellulosic Wastes to Repurpose into Solid Fuels. <i>Sustainability</i> , 2019, 11, 3604.	1.6	43
15	Pretreatment of rice straw using microwave assisted FeCl ₃ -H ₃ PO ₄ system for ethanol and oligosaccharides generation. <i>Bioresource Technology Reports</i> , 2019, 7, 100295.	1.5	24
16	A two-stage pretreatment using dilute sodium hydroxide solution followed by an ionic liquid at low temperatures: Toward construction of lignin-first biomass pretreatment. <i>Bioresource Technology Reports</i> , 2019, 7, 100286.	1.5	11
17	Insight into Pretreatment Methods of Lignocellulosic Biomass to Increase Biogas Yield: Current State, Challenges, and Opportunities. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 3721.	1.3	144
18	Overcoming lignocellulose-derived microbial inhibitors: advancing the <i>Saccharomyces cerevisiae</i> resistance toolbox. <i>Biofuels, Bioproducts and Biorefining</i> , 2019, 13, 1520-1536.	1.9	36

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19	The utilization of n-butanol/diesel blends in Acetylene Dual Fuel Engine. <i>Energy Reports</i> , 2019, 5, 1030-1040.	2.5	23
20	Microbial Responses to Different Operating Practices for Biogas Production Systems. , 0, , .		40
21	Hydration of lignocellulosic biomass. Modelling and experimental validation. <i>Industrial Crops and Products</i> , 2019, 131, 70-77.	2.5	14
22	Recent advances in biological pretreatment of microalgae and lignocellulosic biomass for biofuel production. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 105, 105-128.	8.2	315
23	Long-Term Storage and Use of Artificially Immobilized Anaerobic Sludge as a Powerful Biocatalyst for Conversion of Various Wastes Including Those Containing Xenobiotics to Biogas. <i>Catalysts</i> , 2019, 9, 326.	1.6	51
24	Cellulosic sugars from biomass: Effect of acid presoaking on pretreatment efficiency and operating cost estimation for sugar production. <i>Bioresource Technology Reports</i> , 2019, 7, 100259.	1.5	6
25	A review on bioprocessing of paddy straw to ethanol using simultaneous saccharification and fermentation. <i>Process Biochemistry</i> , 2019, 85, 125-134.	1.8	53
26	Investigation on methane yield of wheat husk anaerobic digestion and its enhancement effect by liquid digestate pretreatment. <i>Anaerobe</i> , 2019, 59, 92-99.	1.0	20
27	Status of biofuel in India with production and performance characteristics: a review. <i>International Journal of Ambient Energy</i> , 2022, 43, 61-77.	1.4	14
28	Strategies to Improve Solid-State Fermentation Technology. , 2019, , 155-180.		8
29	Enhanced Enzymatic Hydrolysis of <i>Pennisetum alopecuroides</i> by Dilute Acid, Alkaline and Ferric Chloride Pretreatments. <i>Molecules</i> , 2019, 24, 1715.	1.7	13
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31	The effect of mechanical pretreatment on the anaerobic digestion of Hybrid <i>Pennisetum</i> . <i>Fuel</i> , 2019, 252, 469-474.	3.4	40
32	Lignocellulolytic systems of soil bacteria: A vast and diverse toolbox for biotechnological conversion processes. <i>Biotechnology Advances</i> , 2019, 37, 107374.	6.0	71
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37	Future prospects of delignification pretreatments for the lignocellulosic materials to produce second generation bioethanol. International Journal of Energy Research, 2019, 43, 1411-1427.	2.2	41
38	A perspective on galactose-based fermentative hydrogen production from macroalgal biomass: Trends and opportunities. Bioresource Technology, 2019, 280, 447-458.	4.8	36
39	Factorial Analysis on Nitric Acid Pretreatment of Oil Palm Frond Bagasse for Xylan Recovery. Materials Today: Proceedings, 2019, 19, 1189-1198.	0.9	3
40	Single reagent treatment and degradation of switchgrass using iron(III)chloride: The effects on hemicellulose, cellulose and lignin. Biomass and Bioenergy, 2019, 131, 105421.	2.9	16
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48	Tolerance Characterization and Isoprenol Production of Adapted <i>Escherichia coli</i> in the Presence of Ionic Liquids. ACS Sustainable Chemistry and Engineering, 2019, 7, 1457-1463.	3.2	10
49	Investigation of molten salt in wet torrefaction and its effects on fast pyrolysis behaviors. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2020, 42, 577-585.	1.2	4
50	Genomic analysis of a lignocellulose degrading strain from the underexplored genus Meridianimaribacter. Genomics, 2020, 112, 952-960.	1.3	20
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61	Biomethane recovery from olive mill residues through anaerobic digestion: A review of the state of the art technology. <i>Science of the Total Environment</i> , 2020, 703, 135508.	3.9	62
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72	Microbial conversion of vanillin from ferulic acid extracted from raw coir pith. <i>Natural Product Research</i> , 2022, 36, 901-908.	1.0	16

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81	Rapid hydrogen generation from cotton wastes by mean of dark fermentation. <i>SN Applied Sciences</i> , 2020, 2, 1.	1.5	7
82	Mild fractionation of sugarcane bagasse into fermentable sugars and β -O-4 linkage-rich lignin based on acid-catalysed crude glycerol pretreatment. <i>Bioresource Technology</i> , 2020, 318, 124059.	4.8	35
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115	Biofuel Production Technologies: Critical Analysis for Sustainability. <i>Clean Energy Production Technologies</i> , 2020, , .	0.3	6
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117	Efficient use of brewer's spent grain hydrolysates in <scp>ABE</scp> fermentation by <i>Clostridium beijerinckii</i>. Effect of high solid loads in the enzymatic hydrolysis. <i>Journal of Chemical Technology and Biotechnology</i> , 2020, 95, 2393-2402.	1.6	13
118	Techno-economic analysis of an integrated biorefinery strategy based on one-pot biomass fractionation and furfural production. <i>Journal of Cleaner Production</i> , 2020, 260, 120837.	4.6	72
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127	Alkaline pretreatment of yerba mate (<i>Ilex paraguariensis</i>) waste for unlocking low-cost cellulosic biofuel. <i>Fuel</i> , 2020, 266, 117068.	3.4	22

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130	Fed-batch enzymatic hydrolysis of alkaline organosolv-pretreated corn stover facilitating high concentrations and yields of fermentable sugars for microbial lipid production. <i>Biotechnology for Biofuels</i> , 2020, 13, 13.	6.2	37
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133	Improvement of Anaerobic Digestion of Hydrolysed Corncob Waste by Organosolv Pretreatment for Biogas Production. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 2785.	1.3	12
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146	Molecular engineering to improve lignocellulosic biomass based applications using filamentous fungi. <i>Advances in Applied Microbiology</i> , 2021, 114, 73-109.	1.3	8

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148	Liquid ammonia pretreatment optimization for improved release of fermentable sugars from sugarcane bagasse. <i>Journal of Cleaner Production</i> , 2021, 281, 123922.	4.6	20
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153	Alternative Lime Pretreatment of Corn Stover for Second-Generation Bioethanol Production. <i>Agronomy</i> , 2021, 11, 155.	1.3	8
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