

Next-generation ammonia pretreatment enhances cellulose

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Isolation and characterization of new lignin streams derived from extractive-ammonia (EA) pretreatment. <i>Green Chemistry</i> , 2016, 18, 4205-4215.	4.6	68
2	The synthesis and analysis of lignin-bound Hibbert ketone structures in technical lignins. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 10023-10030.	1.5	68
3	Green methods of lignocellulose pretreatment for biorefinery development. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 9451-9467.	1.7	225
4	High biomass loadings of 40 wt% for efficient fractionation in biorefineries with an aqueous solvent system without adding adsorptive catalyst. <i>Green Chemistry</i> , 2016, 18, 6108-6114.	4.6	31
5	High conversion of sugarcane bagasse into monosaccharides based on sodium hydroxide pretreatment at low water consumption and wastewater generation. <i>Bioresource Technology</i> , 2016, 218, 1230-1236.	4.8	47
6	Saccharification of thermochemically pretreated cellulosic biomass using native and engineered cellulosomal enzyme systems. <i>Reaction Chemistry and Engineering</i> , 2016, 1, 616-628.	1.9	8
7	Insight into progress in pre-treatment of lignocellulosic biomass. <i>Energy</i> , 2017, 122, 724-745.	4.5	252
8	Utilization of lignocellulosic biomass by oleaginous yeast and bacteria for production of biodiesel and renewable diesel. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 73, 654-671.	8.2	102
9	Enhanced enzymatic hydrolysis of sugarcane bagasse with ferric chloride pretreatment and surfactant. <i>Bioresource Technology</i> , 2017, 229, 96-103.	4.8	63
10	Optimization of liquid ammonia pretreatment conditions for maximizing sugar release from giant reed (<i>Arundo donax</i> L.). <i>Biomass and Bioenergy</i> , 2017, 98, 61-69.	2.9	95
11	Ammonia Pretreatment of Corn Stover Enables Facile Lignin Extraction. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 2544-2561.	3.2	76
12	Determination of glycoside hydrolase specificities during hydrolysis of plant cell walls using glycome profiling. <i>Biotechnology for Biofuels</i> , 2017, 10, 31.	6.2	18
13	Organic amine catalytic organosolv pretreatment of corn stover for enzymatic saccharification and high-quality lignin. <i>Bioresource Technology</i> , 2017, 232, 222-228.	4.8	80
14	Hydrolysis of Lignocellulosic Biomass to Sugars. <i>Biofuels and Biorefineries</i> , 2017, , 3-41.	0.5	5
15	Lignin-first biomass fractionation: the advent of active stabilisation strategies. <i>Energy and Environmental Science</i> , 2017, 10, 1551-1557.	15.6	503
16	Production of Ethanol from Lignocellulosic Biomass. <i>Biofuels and Biorefineries</i> , 2017, , 375-410.	0.5	20
17	Alkaline Peroxide Delignification of Corn Stover. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 6310-6321.	3.2	60
18	Negatively Supercharging Cellulases Render Them Lignin-Resistant. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 6247-6252.	3.2	32

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19	Development of rapid bioconversion with integrated recycle technology for ethanol production from extractive ammonia pretreated corn stover. <i>Biotechnology and Bioengineering</i> , 2017, 114, 1713-1720.	1.7	13
20	Optimization of ethylenediamine pretreatment and enzymatic hydrolysis to produce fermentable sugars from corn stover. <i>Industrial Crops and Products</i> , 2017, 102, 51-57.	2.5	32
21	Nanostructure of Lignocellulose and Its Importance for Biomass Conversion into Chemicals and Biofuels. , 2017, , 21-38.		0
22	Flowthrough Reductive Catalytic Fractionation of Biomass. <i>Joule</i> , 2017, 1, 613-622.	11.7	197
23	Factors affecting seawater-based pretreatment of lignocellulosic date palm residues. <i>Bioresource Technology</i> , 2017, 245, 540-548.	4.8	7
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25	Current status and strategies for second generation biofuel production using microbial systems. <i>Energy Conversion and Management</i> , 2017, 148, 1142-1156.	4.4	213
26	Comprehensive characterization of non-cellulosic recalcitrant cell wall carbohydrates in unhydrolyzed solids from AFEX-pretreated corn stover. <i>Biotechnology for Biofuels</i> , 2017, 10, 82.	6.2	20
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29	Deconstruction of corncob by steam explosion pretreatment: Correlations between sugar conversion and recalcitrant structures. <i>Carbohydrate Polymers</i> , 2017, 156, 351-356.	5.1	48
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38	Impact of hydration and temperature history on the structure and dynamics of lignin. <i>Green Chemistry</i> , 2018, 20, 1602-1611.	4.6	30
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70	Overcoming challenges in lignocellulosic biomass pretreatment for second-generation (2G) sugar production: emerging role of nano, biotechnological and promising approaches. <i>3 Biotech</i> , 2019, 9, 230.	1.1	39
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