

Isolation and characterization of cellulose from sugarcane

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Comparative study of alkali- and acidic organic solvent-soluble hemicellulosic polysaccharides from sugarcane bagasse. <i>Carbohydrate Research</i> , 2006, 341, 253-261.	1.1	120
2	Study of banana and coconut fibers Botanical composition, thermal degradation and textural observations. <i>Bioresource Technology</i> , 2007, 98, 58-68.	4.8	197
3	Preparation of sugarcane bagasse cellulosic phthalate using an ionic liquid as reaction medium. <i>Carbohydrate Polymers</i> , 2007, 68, 17-25.	5.1	105
4	Identification of transcripts associated with cell wall metabolism and development in the stem of sugarcane by Affymetrix GeneChip Sugarcane Genome Array expression profiling. <i>Functional and Integrative Genomics</i> , 2007, 7, 153-167.	1.4	106
5	Elucidation of the fibrous structure of Musaceae mature rachis. <i>Cellulose</i> , 2008, 15, 131-139.	2.4	17
6	Fabrication of a model cellulose surface from straw with an aqueous sodium hydroxide/thiourea solution. <i>Journal of Applied Polymer Science</i> , 2008, 110, 1330-1335.	1.3	7
7	Characterization of dilute acid pretreatment of silvergrass for ethanol production. <i>Bioresource Technology</i> , 2008, 99, 6046-6053.	4.8	227
8	Advances in natural fibre reinforced polymer composites: macro to nanoscales. <i>International Journal of Materials and Product Technology</i> , 2009, 36, 317.	0.1	20
9	Membranes of cellulose triacetate produced from sugarcane bagasse cellulose as alternative matrices for doxycycline incorporation. <i>Journal of Applied Polymer Science</i> , 2009, 113, 3544-3549.	1.3	6
10	Influence of mechanical activation on the graft copolymerization of sugarcane bagasse and acrylic acid. <i>Polymer Degradation and Stability</i> , 2009, 94, 1737-1745.	2.7	39
11	Separate hydrolysis and fermentation (SHF) of <i>Prosopis juliflora</i> , a woody substrate, for the production of cellulosic ethanol by <i>Saccharomyces cerevisiae</i> and <i>Pichia stipitis</i> -NCIM 3498. <i>Bioresource Technology</i> , 2009, 100, 1214-1220.	4.8	234
12	Homogeneous sulfation of bagasse cellulose in an ionic liquid and anticoagulation activity. <i>Bioresource Technology</i> , 2009, 100, 1687-1690.	4.8	70
13	Homogeneous modification of cellulose with succinic anhydride in ionic liquid using 4-dimethylaminopyridine as a catalyst. <i>Carbohydrate Polymers</i> , 2009, 78, 389-395.	5.1	123
14	Comparative Study of Hemicelluloses Obtained by Graded Ethanol Precipitation from Sugarcane Bagasse. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 6305-6317.	2.4	312
15	Non-catalyzed and Pt/ γ -Al ₂ O ₃ -catalyzed hydrothermal cellulose dissolution "conversion: influence of the reaction parameters and analysis of the unreacted cellulose. <i>Green Chemistry</i> , 2009, 11, 2052.	4.6	106
16	Ethanol Production from Sugarcane Bagasse Hydrolysate Using <i>Pichia stipitis</i> . <i>Applied Biochemistry and Biotechnology</i> , 2010, 161, 84-92.	1.4	82
17	Elaboration and characterization of composites of castor oil based polyurethane and fibers from alfa stems. <i>Journal of Applied Polymer Science</i> , 2010, 118, 902-909.	1.3	12
18	Equilibrium and kinetic studies of adsorption of Cd(II) from aqueous solution using modified corn stalk. <i>Journal of Hazardous Materials</i> , 2010, 176, 650-656.	6.5	148

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20	Combined organosolv and ultrafiltration lignocellulosic biorefinery process. Chemical Engineering Journal, 2010, 157, 113-120.	6.6	99
21	Deconstructing recalcitrant Miscanthus with alkaline peroxide and electrolyzed water. Bioresource Technology, 2010, 101, 752-760.	4.8	68
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23	Removal of cadmium(II) from aqueous solution by corn stalk graft copolymers. Bioresource Technology, 2010, 101, 5820-5826.	4.8	62
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29	The effect of steam explosion on the production of sugarcane bagasse/polyester composites. Composites Part A: Applied Science and Manufacturing, 2011, 42, 364-370.	3.8	55
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38	Crystalline properties and decomposition kinetics of cellulose fibers in wood pulp obtained by two pulping processes. <i>Polymer Degradation and Stability</i> , 2011, 96, 679-685.	2.7	181
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41	Synthesis and characterization of methylcellulose from cellulose extracted from mango seeds for use as a mortar additive. <i>Polimeros</i> , 2012, 22, 80-87.	0.2	43
42	Isolation and characterization of cellulose-based nanofibers for nanoparticle extraction from an aqueous environment. <i>Journal of Materials Chemistry</i> , 2012, 22, 1985-1993.	6.7	54
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45	Preparation of cellulose derived from corn stalk and its application for cadmium ion adsorption from aqueous solution. <i>Carbohydrate Polymers</i> , 2012, 90, 1008-1015.	5.1	67
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51	Superabsorbent hydrogel nanocomposites based on starch-g-poly(sodium acrylate) matrix filled with cellulose nanowhiskers. <i>Cellulose</i> , 2012, 19, 1225-1237.	2.4	126
52	Preparation and characterization of cellulose nanocrystals from rice straw. <i>Carbohydrate Polymers</i> , 2012, 87, 564-573.	5.1	489
53	Chlorine-free extraction of cellulose from rice husk and whisker isolation. <i>Carbohydrate Polymers</i> , 2012, 87, 1131-1138.	5.1	320
54	Properties of baked foams based on cassava starch, sugarcane bagasse fibers and montmorillonite. <i>Carbohydrate Polymers</i> , 2012, 87, 1302-1310.	5.1	84
55	Superabsorbent hydrogel composite made of cellulose nanofibrils and chitosan-graft-poly(acrylic) Tj ETQq1 1 0.784314 rgBT /Overlock 5.1 238	5.1	238

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75	Preparation, characterization of carboxylated bamboo fibers and their adsorption for lead(II) ions in aqueous solution. <i>Cellulose</i> , 2013, 20, 2091-2100.	2.4	25
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117	Sonochemistry: What Potential for Conversion of Lignocellulosic Biomass into Platform Chemicals?. <i>ChemSusChem</i> , 2014, 7, 2774-2787.	3.6	64
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151	Comparison of thermophilic microaerobic and alkali pretreatment of sugarcane bagasse for anaerobic digestion. <i>RSC Advances</i> , 2015, 5, 63903-63908.	1.7	13
152	Turmeric dye extraction residue for use in bioactive film production: Optimization of turmeric film plasticized with glycerol. <i>LWT - Food Science and Technology</i> , 2015, 64, 1187-1195.	2.5	33
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