

Enzymatic accessibility of fiber hemp is enhanced by endopectin

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Enzymatic Modification of Flaxseed Fibers. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 10903-10909.	2.4	4
2	Conversion of Carbohydrates in Herbaceous Crops during Anaerobic Digestion. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 7934-7940.	2.4	8
3	Comparison of seven types of thermo-chemical pretreatments on the structural features and anaerobic digestion of sunflower stalks. <i>Bioresource Technology</i> , 2012, 120, 241-247.	4.8	238
4	Predictive Models of Biohydrogen and Biomethane Production Based on the Compositional and Structural Features of Lignocellulosic Materials. <i>Environmental Science & Technology</i> , 2012, 46, 12217-12225.	4.6	176
5	IMMOBILIZATION OF LIPASE ON CHITOSAN BEADS FOR REMOVAL OF PITCH PARTICLES FROM WHITEWATER DURING PAPERMAKING. <i>BioResources</i> , 2012, 7, .	0.5	2
6	Food processing waste: Problems, current management and prospects for utilisation of the lignocellulose component through enzyme synergistic degradation. <i>Renewable and Sustainable Energy Reviews</i> , 2013, 26, 521-531.	8.2	147
7	Two-Stage Alkaline Enzymatic Pretreatments To Enhance Biohydrogen Production from Sunflower Stalks. <i>Environmental Science & Technology</i> , 2013, 47, 12591-12599.	4.6	40
8	Application of optimized alkaline pretreatment for enhancing the anaerobic digestion of different sunflower stalks varieties. <i>Environmental Technology (United Kingdom)</i> , 2013, 34, 2155-2162.	1.2	25
9	Synergy between cellulases and pectinases in the hydrolysis of hemp. <i>Bioresource Technology</i> , 2013, 129, 302-307.	4.8	38
10	Cloning, purification and biochemical properties of a thermostable pectinase from <i>Bacillus halodurans</i> M29. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2013, 94, 77-81.	1.8	32
11	Effect of sodium hydroxide pretreatment on physical, chemical characteristics and methane production of five varieties of sorghum. <i>Energy</i> , 2013, 55, 449-456.	4.5	64
12	Roles of pectin in biomass yield and processing for biofuels. <i>Frontiers in Plant Science</i> , 2013, 4, 67.	1.7	122
13	Optimization of enzymatic hydrolysis conditions for extraction of pectin from rapeseed cake (<i>Brassica napus</i> L.) using commercial enzymes. <i>Food Chemistry</i> , 2014, 157, 332-338.	4.2	46
14	Optimized extraction of cellulose nanocrystals from pristine and carded hemp fibres. <i>Industrial Crops and Products</i> , 2014, 56, 175-186.	2.5	90
15	Replacing a suite of commercial pectinases with a single enzyme, pectate lyase B, in <i>Saccharomyces cerevisiae</i> fermentations of cull peaches. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2014, 41, 679-686.	1.4	2
16	Ethanol production from industrial hemp: Effect of combined dilute acid/steam pretreatment and economic aspects. <i>Bioresource Technology</i> , 2014, 163, 236-243.	4.8	50
17	Optimisation of enzymatic hydrolysis of apple pomace for production of biofuel and biorefinery chemicals using commercial enzymes. <i>3 Biotech</i> , 2015, 5, 1075-1087.	1.1	62
18	Effect of <i>Brassica napus</i> cultivar on cellulosic ethanol yield. <i>Biotechnology for Biofuels</i> , 2015, 8, 99.	6.2	10

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19	Thermochemical pretreatments for enhancing succinic acid production from industrial hemp (<i>Cannabis sativa</i> L.). <i>Bioresource Technology</i> , 2015, 182, 58-66.	4.8	46
20	Preliminary investigations on a polygalacturonase from <i>Aspergillus fumigatus</i> in Chinese Pu-erh tea fermentation. <i>Bioresources and Bioprocessing</i> , 2015, 2, .	2.0	4
21	Characterization of radio frequency assisted water retting and flax fibers obtained. <i>Industrial Crops and Products</i> , 2015, 69, 228-237.	2.5	15
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24	Fuel ethanol production from lignocellulosic biomass: An overview on feedstocks and technological approaches. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 66, 751-774.	8.2	552
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27	Improvement of anaerobic degradation by white-rot fungi pretreatment of lignocellulosic biomass: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 59, 179-198.	8.2	219
28	Polyphenols content of spent coffee grounds subjected to physico-chemical pretreatments influences lignocellulolytic enzymes production by <i>Bacillus</i> sp. R2. <i>Bioresource Technology</i> , 2016, 211, 769-773.	4.8	23
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30	Aqueous ammonia pretreatment of sugar beet pulp for enhanced enzymatic hydrolysis. <i>Bioprocess and Biosystems Engineering</i> , 2017, 40, 1603-1609.	1.7	12
31	Targeted pre-treatment of hemp bast fibres for optimal performance in biocomposite materials: A review. <i>Industrial Crops and Products</i> , 2017, 108, 660-683.	2.5	126
32	Semi-continuous production of high-activity pectinases by immobilized <i>Rhizopus oryzae</i> using tobacco wastewater as substrate and their utilization in the hydrolysis of pectin-containing lignocellulosic biomass at high solid content. <i>Bioresource Technology</i> , 2017, 241, 1138-1144.	4.8	32
33	Cellulose nanocrystals from <i>Actinidia deliciosa</i> pruning residues combined with carvacrol in PVA-CH films with antioxidant/antimicrobial properties for packaging applications. <i>International Journal of Biological Macromolecules</i> , 2017, 104, 43-55.	3.6	77
34	Crop diversity for mixed first and second generation ethanol production. <i>Biofuels</i> , 2018, 9, 291-303.	1.4	2
35	Ultrasound-assisted alkaline pretreatment to intensify enzymatic saccharification of <i>Crotalaria juncea</i> using a statistical method. <i>Biomass Conversion and Biorefinery</i> , 2018, 8, 659-668.	2.9	20
36	Evolution of temporal dynamic of volatile organic compounds (VOCs) and odors of hemp stem during field retting. <i>Planta</i> , 2019, 250, 1983-1996.	1.6	6

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37	Optimization of Pectin Enzymatic Extraction from <i>Malus domestica</i> "Falticeni"™ Apple Pomace with Celluclast 1.5L. <i>Molecules</i> , 2019, 24, 2158.	1.7	45
38	Effects of Enzymes Addition on Biogas Production From Anaerobic Digestion of Agricultural Biomasses. <i>Waste and Biomass Valorization</i> , 2019, 10, 3711-3722.	1.8	19
39	Production and recovery of poly-3-hydroxybutyrate bioplastics using agro-industrial residues of hemp hurd biomass. <i>Bioprocess and Biosystems Engineering</i> , 2019, 42, 1115-1127.	1.7	28
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41	Rhamnogalacturonan is a determinant of cell-cell adhesion in poplar wood. <i>Plant Biotechnology Journal</i> , 2020, 18, 1027-1040.	4.1	24
42	Bioconversion of industrial hemp biomass for bioethanol production: A review. <i>Fuel</i> , 2020, 281, 118725.	3.4	77
43	A Comprehensive Review on Bast Fibre Retting Process for Optimal Performance in Fibre-Reinforced Polymer Composites. <i>Advances in Materials Science and Engineering</i> , 2020, 2020, 1-27.	1.0	51
44	Differential proteomics reveals main determinants for the improved pectinase activity in UV-mutagenized <i>Aspergillus niger</i> strain. <i>Biotechnology Letters</i> , 2021, 43, 909-918.	1.1	1
45	An overview on pretreatment processes for an effective conversion of lignocellulosic biomass into bioethanol. , 2021, , 41-68.		2
46	Cellulose nanocrystal/nanoparticles hybrid nanocomposites: From preparation to applications. , 2021, , 1-25.		0
47	Effect of solid loading on the behaviour of pectin-degrading enzymes. <i>Biotechnology for Biofuels</i> , 2021, 14, 107.	6.2	8
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54	Evaluation of Original and Enzyme-Modified Fique Fibers as an Azo Dye Biosorbent Material. <i>Water (Switzerland)</i> , 2022, 14, 1035.	1.2	3
55	Metaproteomics reveals enzymatic strategies deployed by anaerobic microbiomes to maintain lignocellulose deconstruction at high solids. <i>Nature Communications</i> , 2022, 13, .	5.8	12
56	Role of <i>Cannabis sativa</i> L. in energy production: residues as a potential lignocellulosic biomass in anaerobic digestion plants. , 2023, , 111-199.		0

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58	The physical and chemical properties of hemp fiber prepared by alkaline pectinase-xylanase system. Cellulose, 2022, 29, 9569-9581.	2.4	5
59	Reduction of inhibitory effects on cellulose degradation with pectinase treatment in potato residue. Industrial Crops and Products, 2023, 192, 116010.	2.5	3
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