

Chenhuan

List of Publications by Citations

Source: <https://exaly.com/author-pdf/5642172/chenhuan-publications-by-citations.pdf>

Version: 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

65
papers

1,194
citations

21
h-index

33
g-index

72
ext. papers

1,725
ext. citations

8.1
avg. IF

5.18
L-index

#	Paper	IF	Citations
65	Coupling the post-extraction process to remove residual lignin and alter the recalcitrant structures for improving the enzymatic digestibility of acid-pretreated bamboo residues. <i>Bioresource Technology</i> , 2019 , 285, 121355	11	176
64	Contrasting effects of hardwood and softwood organosolv lignins on enzymatic hydrolysis of lignocellulose. <i>Bioresource Technology</i> , 2014 , 163, 320-7	11	62
63	Unveiling the Structural Properties of Lignin-Carbohydrate Complexes in Bamboo Residues and Its Functionality as Antioxidants and Immunostimulants. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 12522-12531	8.3	61
62	Remarkable solvent and extractable lignin effects on enzymatic digestibility of organosolv pretreated hardwood. <i>Bioresource Technology</i> , 2014 , 156, 92-9	11	53
61	An integrated process to produce bio-ethanol and xylooligosaccharides rich in xylobiose and xylotriose from high ash content waste wheat straw. <i>Bioresource Technology</i> , 2017 , 241, 228-235	11	50
60	Understanding the Nonproductive Enzyme Adsorption and Physicochemical Properties of Residual Lignins in Moso Bamboo Pretreated with Sulfuric Acid and Kraft Pulping. <i>Applied Biochemistry and Biotechnology</i> , 2016 , 180, 1508-1523	3.2	48
59	Enhanced enzymatic digestibility of mixed wood sawdust by lignin modification with naphthol derivatives during dilute acid pretreatment. <i>Bioresource Technology</i> , 2018 , 269, 18-24	11	44
58	Lignin Alkylation Enhances Enzymatic Hydrolysis of Lignocellulosic Biomass. <i>Energy & Fuels</i> , 2017 , 31, 12317-12326	4.1	42
57	Improving enzymatic hydrolysis efficiency of wheat straw through sequential autohydrolysis and alkaline post-extraction. <i>Bioresource Technology</i> , 2018 , 251, 374-380	11	42
56	Prewashing enhances the liquid hot water pretreatment efficiency of waste wheat straw with high free ash content. <i>Bioresource Technology</i> , 2016 , 219, 583-588	11	41
55	Co-production of xylooligosaccharides and fermentable sugars from poplar through acetic acid pretreatment followed by poly (ethylene glycol) ether assisted alkali treatment. <i>Bioresource Technology</i> , 2019 , 288, 121569	11	40
54	Construction of arabinogalactans/selenium nanoparticles composites for enhancement of the antitumor activity. <i>International Journal of Biological Macromolecules</i> , 2019 , 128, 444-451	7.9	35
53	Enhanced enzymatic saccharification of corn stover by in situ modification of lignin with poly (ethylene glycol) ether during low temperature alkali pretreatment. <i>Bioresource Technology</i> , 2017 , 244, 92-99	11	35
52	Disparate roles of solvent extractable lignin and residual bulk lignin in enzymatic hydrolysis of pretreated sweetgum. <i>RSC Advances</i> , 2015 , 5, 97966-97974	3.7	33
51	Co-production of bio-ethanol, xylonic acid and slow-release nitrogen fertilizer from low-cost straw pulping solid residue. <i>Bioresource Technology</i> , 2018 , 250, 365-373	11	28
50	New strategy to elucidate the positive effects of extractable lignin on enzymatic hydrolysis by quartz crystal microbalance with dissipation. <i>Biotechnology for Biofuels</i> , 2019 , 12, 57	7.8	27
49	Natural surfactant-aided dilute sulfuric acid pretreatment of waste wheat straw to enhance enzymatic hydrolysis efficiency. <i>Bioresource Technology</i> , 2021 , 324, 124651	11	27

48	Characterization of arabinogalactans from <i>Larix principis-rupprechtii</i> and their effects on NO production by macrophages. <i>Carbohydrate Polymers</i> , 2018 , 200, 408-415	10.3	25
47	Green solvent pretreatment for enhanced production of sugars and antioxidative lignin from poplar. <i>Bioresource Technology</i> , 2021 , 321, 124471	11	25
46	Comparative study on enzymatic digestibility of acid-pretreated poplar and larch based on a comprehensive analysis of the lignin-derived recalcitrance. <i>Bioresource Technology</i> , 2021 , 319, 124225	11	23
45	An integrated process to produce prebiotic xylooligosaccharides by autohydrolysis, nanofiltration and endo-xylanase from alkali-extracted xylan. <i>Bioresource Technology</i> , 2020 , 314, 123685	11	21
44	Use of metal chlorides during waste wheat straw autohydrolysis to overcome the self-buffering effect. <i>Bioresource Technology</i> , 2018 , 268, 259-265	11	19
43	Facilitating enzymatic digestibility of larch by in-situ lignin modification during combined acid and alkali pretreatment. <i>Bioresource Technology</i> , 2020 , 311, 123517	11	18
42	Humic acid-assisted autohydrolysis of waste wheat straw to sustainably improve enzymatic hydrolysis. <i>Bioresource Technology</i> , 2020 , 306, 123103	11	16
41	Sulfated modification of arabinogalactans from <i>Larix principis-rupprechtii</i> and their antitumor activities. <i>Carbohydrate Polymers</i> , 2019 , 215, 207-212	10.3	14
40	Unlocking the secret of lignin-enzyme interactions: Recent advances in developing state-of-the-art analytical techniques. <i>Biotechnology Advances</i> , 2021 , 107830	17.8	13
39	Synergistic effects of hydrothermal and deep eutectic solvent pretreatment on co-production of xylo-oligosaccharides and enzymatic hydrolysis of poplar. <i>Bioresource Technology</i> , 2021 , 341, 125787	11	13
38	The effects of exogenous ash on the autohydrolysis and enzymatic hydrolysis of wheat straw. <i>Bioresource Technology</i> , 2019 , 286, 121411	11	12
37	Biomimetic galactomannan/bentonite/graphene oxide film with superior mechanical and fire retardant properties by borate cross-linking. <i>Carbohydrate Polymers</i> , 2020 , 245, 116508	10.3	12
36	Synergistic effects of pH and organosolv lignin addition on the enzymatic hydrolysis of organosolv-pretreated loblolly pine.. <i>RSC Advances</i> , 2018 , 8, 13835-13841	3.7	12
35	Promoting enzymatic hydrolysis of aggregated bamboo crystalline cellulose by fast microwave-assisted dicarboxylic acid deep eutectic solvents pretreatments. <i>Bioresource Technology</i> , 2021 , 333, 125122	11	12
34	Incorporating Lignin into Polyethylene Glycol Enhanced Its Performance for Promoting Enzymatic Hydrolysis of Hardwood. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 1797-1804	8.3	11
33	Arabinogalactans from <i>Larix principis-rupprechtii</i> : An investigation into the structure-function contribution of side-chain structures. <i>Carbohydrate Polymers</i> , 2020 , 227, 115354	10.3	9
32	Effects of Mannan oligosaccharide Supplementation on the Growth Performance, Immunity, and Oxidative Status of Partridge Shank Chickens. <i>Animals</i> , 2019 , 9,	3.1	8
31	A facile quantitative characterization method of incomplete degradation products of galactomannan by ethanol fractional precipitation. <i>Carbohydrate Polymers</i> , 2020 , 250, 116951	10.3	8

30	Promoting enzymatic saccharification of organosolv-pretreated poplar sawdust by saponin-rich tea seed waste. <i>Bioprocess and Biosystems Engineering</i> , 2020 , 43, 1999-2007	3.7	7
29	Relations Between Moso Bamboo Surface Properties Pretreated by Kraft Cooking and Dilute Acid with Enzymatic Digestibility. <i>Applied Biochemistry and Biotechnology</i> , 2017 , 183, 1526-1538	3.2	7
28	Fungal chitosan production using xylose rich of corn stover prehydrolysate by <i>Rhizopus oryzae</i> . <i>Biotechnology and Biotechnological Equipment</i> , 2017 , 31, 1160-1166	1.6	7
27	Improving the enzymatic hydrolysis of larch by coupling water pre-extraction with alkaline hydrogen peroxide post-treatment and adding enzyme cocktail. <i>Bioresource Technology</i> , 2019 , 285, 121322	11	6
26	The key role of delignification in overcoming the inherent recalcitrance of Chinese fir for biorefining. <i>Bioresource Technology</i> , 2021 , 319, 124154	11	6
25	Efficient production of xylooligosaccharides rich in xylobiose and xylotriose from poplar by hydrothermal pretreatment coupled with post-enzymatic hydrolysis. <i>Bioresource Technology</i> , 2021 , 342, 125955	11	6
24	Effects of seleno-Sesbania canabina galactomannan on anti-oxidative and immune function of macrophage. <i>Carbohydrate Polymers</i> , 2021 , 261, 117833	10.3	5
23	Actuating, shape reconstruction, and reinforcement of galactomannan-based hydrogels by coordination bonds induced metal ions capture. <i>International Journal of Biological Macromolecules</i> , 2020 , 165, 2721-2730	7.9	4
22	Comprehensive understanding of the effects of metallic cations on enzymatic hydrolysis of humic acid-pretreated waste wheat straw. <i>Biotechnology for Biofuels</i> , 2021 , 14, 25	7.8	4
21	Co-production of xylooligosaccharides and glucose from birch sawdust by hot water pretreatment and enzymatic hydrolysis.. <i>Bioresource Technology</i> , 2022 , 348, 126795	11	3
20	Fabrication of hydrophobic and high-strength packaging films based on the esterification modification of galactomannan. <i>International Journal of Biological Macromolecules</i> , 2021 , 167, 1221-1229	7.9	3
19	A structure-activity understanding of the interaction between lignin and various cellulase domains.. <i>Bioresource Technology</i> , 2022 , 127042	11	3
18	Critical Review of Solidification of Sandy Soil by Microbially Induced Carbonate Precipitation (MICP). <i>Crystals</i> , 2021 , 11, 1439	2.3	2
17	The and Antioxidant and Immunomodulatory Activity of Incomplete Degradation Products of Hemicellulosic Polysaccharide (Galactomannan) From. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021 , 9, 679558	5.8	2
16	The Increase of Incomplete Degradation Products of Galactomannan Production by Synergetic Hydrolysis of Mannanase and Galactosidase. <i>Applied Biochemistry and Biotechnology</i> , 2021 , 193, 405-416	3.2	2
15	Production performance, egg quality, plasma biochemical constituents and lipid metabolites of aged laying hens supplemented with incomplete degradation products of galactomannan. <i>Poultry Science</i> , 2021 , 100, 101296	3.9	2
14	Bioinspired manufacturing of oriented polysaccharides scaffolds for strong, optical haze and anti-UV/bacterial membranes. <i>Carbohydrate Polymers</i> , 2021 , 270, 118328	10.3	2
13	Co-production of amino acid-rich xylooligosaccharide and single-cell protein from paper mulberry by autohydrolysis and fermentation technologies. 2022 , 15, 1		1

12	In-situ lignin modification with polyethylene glycol-epoxides to boost enzymatic hydrolysis of combined-pretreated masson pine. <i>Bioresource Technology</i> , 2022 , 344, 126315	11	1
11	Organosolv lignin properties and their effects on enzymatic hydrolysis. <i>BioResources</i> , 2020 , 15, 8909-8924	3	1
10	Revealing the influence of metallic chlorides pretreatment on chemical structures of lignin and enzymatic hydrolysis of waste wheat straw. <i>Bioresource Technology</i> , 2021 , 342, 125983	11	1
9	The immunomodulatory activity of degradation products of <i>Sesbania cannabina</i> galactomannan with different molecular weights.. <i>International Journal of Biological Macromolecules</i> , 2022 ,	7.9	1
8	Progress in Preparation of Cellulase from Lignocellulose Using Fungi. <i>Biotechnology and Bioprocess Engineering</i> , 2021 , 26, 871-886	3.1	1
7	Lignin fractionation to realize the comprehensive elucidation of structure-inhibition relationship of lignins in enzymatic hydrolysis.. <i>Bioresource Technology</i> , 2022 , 355, 127255	11	1
6	Facile adjustment on cellulose nanocrystals composite films with glycerol and benzyl acrylate copolymer for enhanced UV shielding property.. <i>International Journal of Biological Macromolecules</i> , 2022 , 204, 41-41	7.9	0
5	Novel approach to produce biomass-derived oligosaccharides simultaneously by recombinant endoglucanase from <i>Trichoderma reesei</i> . <i>Enzyme and Microbial Technology</i> , 2020 , 134, 109481	3.8	0
4	A method for quantitative characterization of incomplete degradation products of polygalacturonic acid. <i>International Journal of Biological Macromolecules</i> , 2021 , 188, 343-349	7.9	0
3	Dietary Mannan oligosaccharide Supplementation Improves Growth Performance, Intestinal Integrity, Serum Immunity, and Antioxidant Capacity of Partridge Shank Chickens. <i>Journal of Poultry Science</i> , 2021 , 58, 147-153	1.6	
2	Effects of the Hofmeister anion series salts on the rheological properties of <i>Sesbania cannabina</i> galactomannan. <i>International Journal of Biological Macromolecules</i> , 2021 , 188, 350-358	7.9	
1	Using One-pot Fermentation Technology to Prepare Enzyme Cocktail to Sustainably Produce Low Molecular Weight Galactomannans from <i>Sesbania cannabina</i> Seeds.. <i>Applied Biochemistry and Biotechnology</i> , 2022 , 1	3.2	