

Leif J Jnsson

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137
papers

6,698
citations

38
h-index

79
g-index

142
ext. papers

7,556
ext. citations

5.1
avg, IF

6.46
L-index

#	Paper	IF	Citations
137	Pretreatment of lignocellulose: Formation of inhibitory by-products and strategies for minimizing their effects. <i>Bioresource Technology</i> , 2016 , 199, 103-112	11	1171
136	Bioconversion of lignocellulose: inhibitors and detoxification. <i>Biotechnology for Biofuels</i> , 2013 , 6, 16	7.8	875
135	Comparison of different methods for the detoxification of lignocellulose hydrolyzates of spruce. <i>Applied Biochemistry and Biotechnology</i> , 1999 , 77, 91-104	3.2	376
134	Ethanol production from enzymatic hydrolysates of sugarcane bagasse using recombinant xylose-utilising <i>Saccharomyces cerevisiae</i> . <i>Enzyme and Microbial Technology</i> , 2002 , 31, 274-282	3.8	211
133	Influence of lignocellulose-derived aromatic compounds on oxygen-limited growth and ethanolic fermentation by <i>Saccharomyces cerevisiae</i> . <i>Applied Biochemistry and Biotechnology</i> , 2000 , 84-86, 617-32	3.2	183
132	Fermentation strategies for improved heterologous expression of laccase in <i>Pichia pastoris</i> . <i>Biotechnology and Bioengineering</i> , 2002 , 79, 438-49	4.9	158
131	Bacterial cellulose production from cotton-based waste textiles: enzymatic saccharification enhanced by ionic liquid pretreatment. <i>Bioresource Technology</i> , 2012 , 104, 503-8	11	156
130	Detoxification of lignocellulose hydrolysates with ion-exchange resins. <i>Applied Biochemistry and Biotechnology</i> , 2001 , 91-93, 35-49	3.2	149
129	Adaptation of a recombinant xylose-utilizing <i>Saccharomyces cerevisiae</i> strain to a sugarcane bagasse hydrolysate with high content of fermentation inhibitors. <i>Bioresource Technology</i> , 2007 , 98, 1767-73	11	134
128	Comparison of the resistance of industrial and laboratory strains of <i>Saccharomyces</i> and <i>Zygosaccharomyces</i> to lignocellulose-derived fermentation inhibitors. <i>Enzyme and Microbial Technology</i> , 2003 , 32, 386-395	3.8	124
127	Generation of the improved recombinant xylose-utilizing <i>Saccharomyces cerevisiae</i> TMB 3400 by random mutagenesis and physiological comparison with <i>Pichia stipitis</i> CBS 6054. <i>FEMS Yeast Research</i> , 2003 , 3, 319-26	3.1	117
126	Effect of different forms of alkali treatment on specific fermentation inhibitors and on the fermentability of lignocellulose hydrolysates for production of fuel ethanol. <i>Journal of Agricultural and Food Chemistry</i> , 2002 , 50, 5318-25	5.7	116
125	Comparison of the fermentability of enzymatic hydrolysates of sugarcane bagasse pretreated by steam explosion using different impregnating agents. <i>Applied Biochemistry and Biotechnology</i> , 2002 , 98-100, 699-716	3.2	113
124	Improving the fermentability of enzymatic hydrolysates of lignocellulose through chemical in-situ detoxification with reducing agents. <i>Bioresource Technology</i> , 2011 , 102, 1254-63	11	112
123	Adsorption of proteins involved in hydrolysis of lignocellulose on lignins and hemicelluloses. <i>Bioresource Technology</i> , 2013 , 148, 70-7	11	104
122	Molecular analysis of a <i>Saccharomyces cerevisiae</i> mutant with improved ability to utilize xylose shows enhanced expression of proteins involved in transport, initial xylose metabolism, and the pentose phosphate pathway. <i>Applied and Environmental Microbiology</i> , 2003 , 69, 740-6	4.8	96
121	Production of bacterial cellulose and enzyme from waste fiber sludge. <i>Biotechnology for Biofuels</i> , 2013 , 6, 25	7.8	90

120	Metabolic engineering of <i>Saccharomyces cerevisiae</i> for xylose utilization. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2001 , 73, 53-84	1.7	86
119	Detoxification of lignocellulosic hydrolysates using sodium borohydride. <i>Bioresource Technology</i> , 2013 , 136, 368-76	11	83
118	Enzyme production by filamentous fungi: analysis of the secretome of <i>Trichoderma reesei</i> grown on unconventional carbon source. <i>Microbial Cell Factories</i> , 2011 , 10, 68	6.4	83
117	Characterization of a laccase gene from the white-rot fungus <i>Trametes versicolor</i> and structural features of basidiomycete laccases. <i>BBA - Proteins and Proteomics</i> , 1995 , 1251, 210-5		77
116	Comparison of methods for detoxification of spruce hydrolysate for bacterial cellulose production. <i>Microbial Cell Factories</i> , 2013 , 12, 93	6.4	70
115	Overexpression of <i>Saccharomyces cerevisiae</i> transcription factor and multidrug resistance genes conveys enhanced resistance to lignocellulose-derived fermentation inhibitors. <i>Process Biochemistry</i> , 2010 , 45, 264-271	4.8	57
114	Aspen pectate lyase PtxtPL1-27 mobilizes matrix polysaccharides from woody tissues and improves saccharification yield. <i>Biotechnology for Biofuels</i> , 2014 , 7, 11	7.8	56
113	Optimal conditions for alkaline detoxification of dilute-acid lignocellulose hydrolysates. <i>Applied Biochemistry and Biotechnology</i> , 2006 , 129-132, 599-611	3.2	56
112	Limits for alkaline detoxification of dilute-acid lignocellulose hydrolysates. <i>Applied Biochemistry and Biotechnology</i> , 2003 , 105 -108, 615-28	3.2	56
111	Purification of Ligninase Isozymes from the White-Rot Fungus <i>Trametes versicolor</i> .. <i>Acta Chemica Scandinavica</i> , 1987 , 41b, 766-769		55
110	Expression of a fungal glucuronoyl esterase in <i>Populus</i> : effects on wood properties and saccharification efficiency. <i>Phytochemistry</i> , 2015 , 112, 210-20	4	44
109	Supercritical fluid extraction of a lignocellulosic hydrolysate of spruce for detoxification and to facilitate analysis of inhibitors. <i>Biotechnology and Bioengineering</i> , 2002 , 79, 694-700	4.9	43
108	Evaluation of four ionic liquids for pretreatment of lignocellulosic biomass. <i>BMC Biotechnology</i> , 2014 , 14, 34	3.5	42
107	Comparison of lignin derivatives as substrates for laccase-catalyzed scavenging of oxygen in coatings and films. <i>Journal of Biological Engineering</i> , 2014 , 8, 1	6.3	42
106	Ammonium hydroxide detoxification of spruce acid hydrolysates. <i>Applied Biochemistry and Biotechnology</i> , 2005 , 121-124, 911-22	3.2	42
105	Cellulase production from spent lignocellulose hydrolysates by recombinant <i>Aspergillus niger</i> . <i>Applied and Environmental Microbiology</i> , 2009 , 75, 2366-74	4.8	41
104	Dilute sulfuric acid pretreatment of agricultural and agro-industrial residues for ethanol production. <i>Applied Biochemistry and Biotechnology</i> , 2007 , 137-140, 339-52	3.2	41
103	Analytical Enzymatic Saccharification of Lignocellulosic Biomass for Conversion to Biofuels and Bio-Based Chemicals. <i>Energies</i> , 2018 , 11, 2936	3.1	40

102	Chemical and structural factors influencing enzymatic saccharification of wood from aspen, birch and spruce. <i>Biomass and Bioenergy</i> , 2018 , 109, 125-134	5.3	39
101	Heterologous expression of <i>Trametes versicolor</i> laccase in <i>Pichia pastoris</i> and <i>Aspergillus niger</i> . <i>Applied Biochemistry and Biotechnology</i> , 2006 , 129, 195-214	3.2	39
100	Enhancing saccharification of cassava stems by starch hydrolysis prior to pretreatment. <i>Industrial Crops and Products</i> , 2017 , 97, 21-31	5.9	38
99	Effects of impregnation of softwood with sulfuric acid and sulfur dioxide on chemical and physical characteristics, enzymatic digestibility, and fermentability. <i>Bioresource Technology</i> , 2018 , 247, 200-208	11	34
98	Effect of sulfur oxyanions on lignocellulose-derived fermentation inhibitors. <i>Biotechnology and Bioengineering</i> , 2011 , 108, 2592-9	4.9	33
97	Critical conditions for improved fermentability during overliming of acid hydrolysates from spruce. <i>Applied Biochemistry and Biotechnology</i> , 2005 , 121-124, 1031-44	3.2	33
96	Cytosolic invertase contributes to the supply of substrate for cellulose biosynthesis in developing wood. <i>New Phytologist</i> , 2017 , 214, 796-807	9.8	32
95	deacetylation of xylan affects lignin properties and improves saccharification of aspen wood. <i>Biotechnology for Biofuels</i> , 2017 , 10, 98	7.8	31
94	Identification of <i>Saccharomyces cerevisiae</i> genes involved in the resistance to phenolic fermentation inhibitors. <i>Applied Biochemistry and Biotechnology</i> , 2010 , 161, 106-15	3.2	31
93	Downregulation of RWA genes in hybrid aspen affects xylan acetylation and wood saccharification. <i>New Phytologist</i> , 2017 , 214, 1491-1505	9.8	30
92	Preparation of a PET-Hydrolyzing Lipase from <i>Aspergillus oryzae</i> by the Addition of Bis(2-hydroxyethyl) Terephthalate to the Culture Medium and Enzymatic Modification of PET Fabrics. <i>Engineering in Life Sciences</i> , 2008 , 8, 268-276	3.4	30
91	Rapid and convenient determination of oxalic acid employing a novel oxalate biosensor based on oxalate oxidase and SIRE technology. <i>Biosensors and Bioelectronics</i> , 2003 , 18, 1173-81	11.8	30
90	Analysis, pretreatment and enzymatic saccharification of different fractions of Scots pine. <i>BMC Biotechnology</i> , 2014 , 14, 20	3.5	28
89	Biochemical Conversion of Torrefied Norway Spruce After Pretreatment with Acid or Ionic Liquid. <i>Bioenergy Research</i> , 2016 , 9, 355-368	3.1	25
88	Oxygen-scavenging coatings and films based on lignosulfonates and laccase. <i>Journal of Biotechnology</i> , 2012 , 161, 14-8	3.7	25
87	Differences in stereo-preference in the oxidative degradation of diastereomers of the lignin model compound 1-(3,4-dimethoxyphenyl)-2-(2-methoxyphenoxy)-1,3-propanediol with enzymic and non-enzymic oxidants. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2007 , 45, 21-26		25
86	Effects of aromatic compounds on the production of bacterial nanocellulose by <i>Gluconacetobacter xylinus</i> . <i>Microbial Cell Factories</i> , 2014 , 13, 62	6.4	24
85	Selection of anion exchangers for detoxification of dilute-acid hydrolysates from spruce. <i>Applied Biochemistry and Biotechnology</i> , 2004 , 113-116, 525-38	3.2	23

84	Production of bacterial nanocellulose and enzyme from [AMIM]Cl-pretreated waste cotton fabrics: effects of dyes on enzymatic saccharification and nanocellulose production. <i>Journal of Chemical Technology and Biotechnology</i> , 2016 , 91, 1413-1421	3.5	23
83	Engineering Non-cellulosic Polysaccharides of Wood for the Biorefinery. <i>Frontiers in Plant Science</i> , 2018 , 9, 1537	6.2	22
82	Scale-up of production of bacterial nanocellulose using submerged cultivation. <i>Journal of Chemical Technology and Biotechnology</i> , 2018 , 93, 3418-3427	3.5	22
81	Reducing agents improve enzymatic hydrolysis of cellulosic substrates in the presence of pretreatment liquid. <i>Journal of Biotechnology</i> , 2011 , 155, 244-50	3.7	21
80	Enzyme-based control of oxalic acid in the pulp and paper industry. <i>Enzyme and Microbial Technology</i> , 2008 , 43, 78-83	3.8	21
79	A novel type of peroxidase gene from the white-rot fungus <i>Trametes versicolor</i> . <i>BBA - Proteins and Proteomics</i> , 1994 , 1207, 255-9		21
78	<i>Trametes versicolor</i> ligninase: isozyme sequence homology and substrate specificity. <i>FEBS Letters</i> , 1989 , 247, 143-6	3.8	21
77	Formation of microbial inhibitors in steam-explosion pretreatment of softwood impregnated with sulfuric acid and sulfur dioxide. <i>Bioresource Technology</i> , 2018 , 262, 242-250	11	20
76	Downregulating aspen xylan biosynthetic GT43 genes in developing wood stimulates growth via reprogramming of the transcriptome. <i>New Phytologist</i> , 2018 , 219, 230-245	9.8	20
75	Bioconversion of Waste Fiber Sludge to Bacterial Nanocellulose and Use for Reinforcement of CTMP Paper Sheets. <i>Polymers</i> , 2017 , 9,	4.5	20
74	Identification of Small Aliphatic Aldehydes in Pretreated Lignocellulosic Feedstocks and Evaluation of Their Inhibitory Effects on Yeast. <i>Journal of Agricultural and Food Chemistry</i> , 2015 , 63, 9747-54	5.7	20
73	A collection of genetically engineered <i>Populus</i> trees reveals wood biomass traits that predict glucose yield from enzymatic hydrolysis. <i>Scientific Reports</i> , 2017 , 7, 15798	4.9	19
72	Comparative proteome analysis of <i>Saccharomyces cerevisiae</i> : a global overview of in vivo targets of the yeast activator protein 1. <i>BMC Genomics</i> , 2012 , 13, 230	4.5	19
71	Evaluation of oxalate decarboxylase and oxalate oxidase for industrial applications. <i>Applied Biochemistry and Biotechnology</i> , 2010 , 161, 255-63	3.2	19
70	Comparison of productivity and quality of bacterial nanocellulose synthesized using culture media based on seven sugars from biomass. <i>Microbial Biotechnology</i> , 2019 , 12, 677-687	6.3	18
69	A multi-omics approach reveals function of Secretory Carrier-Associated Membrane Proteins in wood formation of <i>Populus</i> trees. <i>BMC Genomics</i> , 2018 , 19, 11	4.5	18
68	Oxidation of the erythro and threo forms of the phenolic lignin model compound 1-(4-hydroxy-3-methoxyphenyl)-2-(2-methoxyphenoxy)-1,3-propanediol by laccases and model oxidants. <i>Bioorganic Chemistry</i> , 2009 , 37, 143-8	5.1	18
67	Energy-efficient substrate pasteurisation for combined production of shiitake mushroom (<i>Lentinula edodes</i>) and bioethanol. <i>Bioresource Technology</i> , 2019 , 274, 65-72	11	18

66	Profiling of <i>Saccharomyces cerevisiae</i> transcription factors for engineering the resistance of yeast to lignocellulose-derived inhibitors in biomass conversion. <i>Microbial Cell Factories</i> , 2017 , 16, 199	6.4	17
65	Co-immobilization of oxalate oxidase and catalase in films for scavenging of oxygen or oxalic acid. <i>Biochemical Engineering Journal</i> , 2013 , 72, 96-101	4.2	17
64	Treatment with lignin residue: a novel method for detoxification of lignocellulose hydrolysates. <i>Applied Biochemistry and Biotechnology</i> , 2002 , 98-100, 563-75	3.2	17
63	Effects of operational conditions on auto-catalyzed and sulfuric-acid-catalyzed hydrothermal pretreatment of sugarcane bagasse at different severity factor. <i>Industrial Crops and Products</i> , 2021 , 159, 113077	5.9	17
62	Stereospecificity in enzymic and non-enzymic oxidation of beta-O-4 lignin model compounds. <i>FEBS Letters</i> , 1990 , 276, 45-8	3.8	16
61	Identification of benzoquinones in pretreated lignocellulosic feedstocks and inhibitory effects on yeast. <i>AMB Express</i> , 2015 , 5, 62	4.1	15
60	Oxidation capacity of laccases and peroxidases as reflected in experiments with methoxy-substituted benzyl alcohols. <i>Applied Biochemistry and Biotechnology</i> , 2006 , 129-132, 303-19	3.2	15
59	Heterologous expression of barley and wheat oxalate oxidase in an <i>E. coli</i> <i>trxB</i> <i>gor</i> double mutant. <i>Journal of Biotechnology</i> , 2004 , 109, 53-62	3.7	15
58	Product profiles in enzymic and non-enzymic oxidations of the lignin model compound erythro-1-(3,4-dimethoxyphenyl)-2-(2-methoxyphenoxy)-1,3-propanediol. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2005 , 35, 100-107		15
57	Tandem lignin peroxidase genes of the fungus <i>Trametes versicolor</i> . <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1994 , 1218, 408-12		15
56	Comparison of catalytically non-productive adsorption of fungal proteins to lignins and pseudo-lignin using isobaric mass tagging. <i>Bioresource Technology</i> , 2018 , 268, 393-401	11	14
55	Tolerance of the nanocellulose-producing bacterium <i>Gluconacetobacter xylinus</i> to lignocellulose-derived acids and aldehydes. <i>Journal of Agricultural and Food Chemistry</i> , 2014 , 62, 9792-9	5.7	14
54	Effects of redox environment on hydrothermal pretreatment of lignocellulosic biomass under acidic conditions. <i>Bioresource Technology</i> , 2021 , 319, 124211	11	14
53	Performance of nanocellulose-producing bacterial strains in static and agitated cultures with different starting pH. <i>Carbohydrate Polymers</i> , 2019 , 215, 280-288	10.3	13
52	Coating: Oxygen scavenging enzymes in coatings [Effect of coating procedures on enzyme activity. <i>Nordic Pulp and Paper Research Journal</i> , 2011 , 26, 197-204	1.1	13
51	Biorefining of wood: combined production of ethanol and xylanase from waste fiber sludge. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2011 , 38, 891-9	4.2	13
50	Preparation of hydrolysates from tobacco stalks and ethanolic fermentation by <i>Saccharomyces cerevisiae</i> . <i>World Journal of Microbiology and Biotechnology</i> , 2002 , 18, 857-862	4.4	13
49	Comparison of laccase-catalyzed cross-linking of organosolv lignin and liginosulfonates. <i>International Journal of Biological Macromolecules</i> , 2017 , 105, 438-446	7.9	12

48	Techno-economic evaluation of conditioning with sodium sulfite for bioethanol production from softwood. <i>Bioresource Technology</i> , 2015 , 196, 129-35	11	11
47	Production of cellulosic ethanol and enzyme from waste fiber sludge using SSF, recycling of hydrolytic enzymes and yeast, and recombinant cellulase-producing <i>Aspergillus niger</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , 2014 , 41, 1191-200	4.2	11
46	Evaluation of the potential of fungal and plant laccases for active-packaging applications. <i>Journal of Agricultural and Food Chemistry</i> , 2011 , 59, 5390-5	5.7	11
45	Hydrothermal Pretreatment of Wheat Straw: Effects of Temperature and Acidity on Byproduct Formation and Inhibition of Enzymatic Hydrolysis and Ethanolic Fermentation. <i>Agronomy</i> , 2021 , 11, 487	3.6	11
44	Dilute-sulfuric acid pretreatment of de-starched cassava stems for enhancing the enzymatic convertibility and total glucan recovery. <i>Industrial Crops and Products</i> , 2019 , 132, 301-310	5.9	10
43	Comparison of tolerance of four bacterial nanocellulose-producing strains to lignocellulose-derived inhibitors. <i>Microbial Cell Factories</i> , 2017 , 16, 229	6.4	10
42	Diastereomer selectivity in the degradation of a lignin model compound of the arylglycerol β -aryl ether type by white-rot fungi. <i>Enzyme and Microbial Technology</i> , 2008 , 43, 199-204	3.8	10
41	Influence of Lignocellulose-Derived Aromatic Compounds on Oxygen-Limited Growth and Ethanolic Fermentation by <i>Saccharomyces cerevisiae</i> 2000 , 617-632		10
40	Comparison of [HSO], [Cl] and [MeCO] as anions in pretreatment of aspen and spruce with imidazolium-based ionic liquids. <i>BMC Biotechnology</i> , 2017 , 17, 82	3.5	9
39	The potential in bioethanol production from waste fiber sludges in pulp mill-based biorefineries. <i>Applied Biochemistry and Biotechnology</i> , 2007 , 137-140, 327-37	3.2	9
38	Hybrid Aspen Expressing a Carbohydrate Esterase Family 5 Acetyl Xylan Esterase Under Control of a Wood-Specific Promoter Shows Improved Saccharification. <i>Frontiers in Plant Science</i> , 2020 , 11, 380	6.2	8
37	Enzymatic hydrolysis of Norway spruce and sugarcane bagasse after treatment with 1-allyl-3-methylimidazolium formate. <i>Journal of Chemical Technology and Biotechnology</i> , 2013 , 88, 2209-2215	3.5	8
36	Enzymatic conversion of epigallocatechin gallate to epigallocatechin with an inducible hydrolase from <i>Aspergillus niger</i> . <i>Biocatalysis and Biotransformation</i> , 2008 , 26, 306-312	2.5	8
35	Using in situ nanocellulose-coating technology based on dynamic bacterial cultures for upgrading conventional biomedical materials and reinforcing nanocellulose hydrogels. <i>Biotechnology Progress</i> , 2016 , 32, 1077-84	2.8	8
34	Extruded polymer films for optimal enzyme-catalyzed oxygen scavenging. <i>Chemical Engineering Science</i> , 2014 , 108, 1-8	4.4	7
33	Effects of Biosurfactants on Enzymatic Saccharification and Fermentation of Pretreated Softwood. <i>Molecules</i> , 2020 , 25,	4.8	7
32	Ozone detoxification of steam-pretreated Norway spruce. <i>Biotechnology for Biofuels</i> , 2015 , 8, 196	7.8	6
31	Treatment of Pulp and Paper Industry Process Waters with Oxalate Oxidase: Compounds Interfering with the Activity. <i>ACS Symposium Series</i> , 2003 , 81-92	0.4	6

30	Ammonium Hydroxide Detoxification of Spruce Acid Hydrolysates 2005 , 911-922		5
29	The effects of chemical and structural factors on the enzymatic saccharification of Eucalyptus sp. samples pre-treated by various technologies. <i>Industrial Crops and Products</i> , 2021 , 166, 113449	5.9	5
28	Comparison of the Fermentability of Enzymatic Hydrolyzates of Sugarcane Bagasse Pretreated by Steam Explosion Using Different Impregnating Agents 2002 , 699-716		5
27	Dilute Sulfuric Acid Pretreatment of Agricultural and Agro-Industrial Residues for Ethanol Production 2007 , 339-352		4
26	Heterologous Expression of <i>Trametes versicolor</i> Laccase in <i>Pichia pastoris</i> and <i>Aspergillus niger</i> 2006 , 195-214		4
25	Critical Conditions for Improved Fermentability During Overliming of Acid Hydrolysates from Spruce 2005 , 1031-1044		4
24	New drum-chipping technology for a more uniform size distribution of wood chips. <i>Holzforschung</i> , 2020 , 74, 116-122	2	4
23	Overexpression of vesicle-associated membrane protein PttVAP27-17 as a tool to improve biomass production and the overall saccharification yields in <i>Populus</i> trees. <i>Biotechnology for Biofuels</i> , 2021 , 14, 43	7.8	4
22	Detoxification of Lignocellulose Hydrolysates with Ion-Exchange Resins 2001 , 35-49		4
21	Oxalate decarboxylase of <i>Trametes versicolor</i> : biochemical characterization and performance in bleaching filtrates from the pulp and paper industry. <i>Journal of Chemical Technology and Biotechnology</i> , 2012 , 87, 1600-1606	3.5	3
20	Engineering Aspects of Bioethanol Synthesis. <i>Advances in Chemical Engineering</i> , 2013 , 42, 1-73	0.6	3
19	The effects of coating structure and water-holding capacity on the oxygen-scavenging ability of enzymes embedded in the coating layer. <i>Tappi Journal</i> , 2013 , 12, 43-52	0.5	3
18	Evaluation of Oxalate Decarboxylases in Industrial Bleaching Filtrates and in Pulp-Mill Experiments. <i>Industrial Biotechnology</i> , 2014 , 10, 126-129	1.3	2
17	Effects of ionic substances in bleaching filtrates and of lignosulfonates on the activity of oxalate oxidase from barley. <i>Engineering in Life Sciences</i> , 2011 , 11, 245-252	3.4	2
16	Hydrothermal Pretreatment of Water-Extracted and Aqueous Ethanol-Extracted Quinoa Stalks for Enzymatic Saccharification of Cellulose. <i>Energies</i> , 2021 , 14, 4102	3.1	2
15	Hydrothermal Pretreatment of Lignocellulosic Feedstocks to Facilitate Biochemical Conversion.. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022 , 10, 846592	5.8	2
14	Evaluation of novel drum chipper technology: pilot-scale production of short wood chips. <i>Tappi Journal</i> , 2019 , 18, 585-592	0.5	1
13	Selection of Anion Exchangers for Detoxification of Dilute-Acid Hydrolysates from Spruce 2004 , 525-538		1

12	Factors Affecting Detoxification of Softwood Enzymatic Hydrolysates Using Sodium Dithionite. <i>Processes</i> , 2021 , 9, 887	2.9	1
11	Identification of genetic markers and wood properties that predict wood biorefinery potential in aspen bioenergy feedstock (<i>Populus tremula</i>)		1
10	Saccharification Potential of Transgenic Greenhouse- and Field-Grown Aspen Engineered for Reduced Xylan Acetylation. <i>Frontiers in Plant Science</i> , 2021 , 12, 704960	6.2	1
9	Treatment with Lignin Residue 2002 , 563-575		1
8	Fluorescence Lifetime Imaging as an In Situ and Label-Free Readout for the Chemical Composition of Lignin. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 17381-17392	8.3	1
7	Limits for Alkaline Detoxification of Dilute-Acid Lignocellulose Hydrolysates 2003 , 615-628		0
6	Evaluation of chipping and impregnation of Scots pine heartwood with sulfite cooking liquor. <i>SN Applied Sciences</i> , 2020 , 2, 1	1.8	
5	Optimal Conditions for Alkaline Detoxification of Dilute-Acid Lignocellulose Hydrolysates 2006 , 599-611		
4	Oxidation Capacity of Laccases and Peroxidases as Reflected in Experiments With Methoxy-Substituted Benzyl Alcohols 2006 , 303-319		
3	The Potential in Bioethanol Production From Waste Fiber Sludges in Pulp Mill-Based Biorefineries 2007 , 327-337		
2	The impact of using different wood qualities and wood species on chips produced using a novel type of pilot drum chipper. <i>Nordic Pulp and Paper Research Journal</i> , 2021 , 36, 214-226	1.1	
1	Production of Exopolysaccharides by Cultivation of Halotolerant <i>Bacillus atrophaeus</i> BU4 in Glucose- and Xylose-Based Synthetic Media and in Hydrolysates of Quinoa Stalks. <i>Fermentation</i> , 2022 , 8, 79	4.7	